NASA Technical Memorandum 84602

RYE CANYON X-WING NOISE TEST: ONE-THIRD OCTAVE BAND DATA

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JANUARY 1983

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Space Administration

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Summary

This report contains results of 1/3-octave band analyses of acoustic data obtained for the 25 ft. diameter X-wing rotor model during performance testing of the rotor system in hover. The X-wing acoustic data were collected at the Lockheed-California Company Rye Canyon Research Laboratories outdoor whirl tower test facilty with a twelve microphone array. Data were taken for approximately 150 test conditions comprised of various combinations of RPM, blade pressure ratio (BPR), and blade angle of attack (collective). The three test parameters had the following values: four values of RPM from 404 to 497, twelve values of BPR from 1.0 to 2.1, and six values of collective from 0.0 to 8.5 deg.

Fifteen to twenty seconds of acoustic data have been reduced to obtain an average 1/3-octave band spectrum for each microphone for each test condition. The complete, as measured, 1/3-octave band results for all the acoustic data are listed in the appendix. Another part of the X-wing noise test was the acoustic calibration of the Rye Canyon whirl tower bowl. Corrections have been computed which, when applied to as measured data, yield estimates of the free-field X-wing noise. The free-field estimates provide a more realistic measure of the rotor system noise levels. Trend analysis of the three test parameters on noise level were performed.

INTRODUCTION

The X-wing rotor system is a circulation control rotor which holds much promise for future convertiplane (vertical and conventional flight capable) aircraft (ref. 1). The X-wing circulation control concept uses leading and trailing edge blowing, as well as tip blowing, on a four-bladed rotor to achieve lift and control. For vertical flight the X-wing rotor operates very similarly to a conventional rotor except that cyclic control is provided through differential blowing of the rotor edges. For sustained forward flight the X-wing rotor is stopped in flight and fixed in an 'x' position with respect to the fuselage. In this mode of operation the energy of the turbo-fan engine is diverted from turning the rotor to providing forward thrust. The blade tip and edge blowing are still employed to provide lift and control. The X-wing concept is attractive to and being pursued by the United States Navy as a means of providing efficient vertical lift combined with foward flight capable aircraft which may operate from smaller ships.

The X-wing noise test provides an opportunity to investigate the noise produced by a new rotor concept. The noise produced by such a rotor system should be a combination of some of the noise mechanisms of conventional rotor systems and with those noise mechanisms associated with the edge blowing. The possibility exists that the noise of a circulation control rotor may be less than that of a conventional rotor system because of its different operating characteristics. Another reason for taking and reducing the X-wing noise data was to develop empirical noise versus performance parameter trend curves. These noise trend curves will be considered by the Defense Advanced Research Projects Agency (DARPA) in the design of a full scale X-wing rotor to be built and flown on the Rotor System Research Aircraft (RSRA).

Noise data were recorded for the 25 ft. diameter X-wing rotor model during performance testing of the rotor system in hover. The performance tests were conducted by the Lockheed-California Company for DARPA at Lockheed's Rye Canyon Research Laboratories outdoor whirl tower test facility. The X-wing noise tests were also performed by Lockheed personnel under contract to DARPA using monies provided by NASA Ames Research Center and were conducted in conjunction with performance tests on a non-interference basis. NASA Langley Research Center provided an on site acoustic engineer and accepted responsibility for reduction, analysis, and reporting of the X-wing noise data.

The next section of the paper describes the experimental setups for the X-wing acoustic data acqusition and bowl calibration. Discussion of the data reduction and free-field corrections follow. The results of the test parameter-noise trend curves are given next. The paper is then summarized with a concluding remarks section. A complete listing of the as measured 1/3-octave band results is given in the appendix.

EXPERIMENT

Experimental Setup

The X-wing noise test was conducted at the Rye Canyon whirl tower between the 10th and 30th of March, 1982. A complete description of the experiment may be found in the contractor's report describing the noise test (ref. 2). The performance data taken during the X-wing noise test are given in reference 3. The whirl tower at Rye Canyon is situated in a bowl or hole in the ground. Figure 1 is a photograph of the facility. The bowl was man-made from a natural ravine at the site. The shape of the bowl is roughly hemispherical with a flat bottom (see figures 2 and 3). The floor is made of asphalt and concrete. The walls of the bowl are natural soil and vegetation with two concrete drainage ditches and a road running around the bowl. In the center of the bowl is the whirl tower which is a massive solid metal structure with a movable gantry. The gantry may be seen in figure 1 located to the left of the whirl tower. A two story control building may also be seen to the right in the figure. The Rye Canyon whirl tower facility was not designed for acoustics. The presence of the bowl walls, the massive model support tower, and the control building undoubtedly had an influence on the measured acoustic data.

The X-wing noise test consisted of measuring the far-field noise with eleven microphones and the near-field noise with a single microphone. Ten of the far-field microphones were deployed in two identical five-element arrays positioned radially from the whirl tower at different azimuthal angles. The microphone positions are illustrated in figure 2. Microphones 1 through 5 are referred to as Array A while numbers 6 to 10 are called Array B. In both arrays the three microphones closest to the whirl tower were of the one microphone diameter inverted-flush mounted type and positioned on the bowl floor. The remaining four microphones in Arrays A and B were mounted on poles above the sloping walls of the bowl. One diameter inverted-flush mounted microphones on a flat plate exhibit pressure doubling up to a frequency of 4 kHz (ref. 4). Microphone 11 was mounted on the side of the moving gantry facing the whirl tower, slightly below the rotor plane. During the noise test the gantry was moved back to the edge of the bowl floor. Microphone 12 was positioned on the whirl tower close to the gear boxes to identify possible non-rotor noises measured in the far field.

Cartesian coordinates of the far-field microphones are given in Table 1. The coordinate system is shown in figure 2. The y-axis is parallel to the X-wing model fuselage with the positive direction going aft. The positive x-axis is on the left side of the model with the positive z-axis pointing up. The origin of the system is the center of the base of the whirl tower. Included in Table 1 are the coordinates of the center of the rotor plane, the point of closest rotor approach to microphone Arrays A and B, and the center of the loudspeaker used in the bowl acoustic calibration to be discussed in a later section. Slant ranges are given in Table 2 for the far-field microphones to the centers of the rotor plane and the calibration loudspeaker.

Acoustic Data

The X-wing acoustic data were received from the contractor in the form of six analog magnetic tapes. The noise data comprised the first five tapes. Tape five also includes background noise recordings for the bowl and various X-wing model subsystems. Tape six contains bowl calibration data. Each tape had a detailed log and gain sheet (ref. 2). Pre- and post-microphone calibrations, it should be noted, were missing on Tape 4.

The completed X-wing noise test consisted of 150 test conditions. Between 15 and 20 seconds of data were recorded for each condition. Three test parameters uniquely describe each test condition: RPM, blade pressure ratio (BPR), and blade angle of attack (collective). The completed test matrix for the X-wing noise test is given in Table 3. The test parameters had the following values: four values of RPM- 404, 420, 458, and 497, twelve values of BPR- 1.0, 1.1, ... 2.1, and six values of collective- 0., 1.5, 3.0, 4.5, 6., and 8.5 deg. Data were not taken for all possible combinations of the three test parameters. An alternative measure of RPM often used in rotorcraft noise work is rotor tip speed. The corresponding rotor tip speeds for the X-wing noise test are 162., 168., 183., and 199. m/s. The various subsystem and nonrotating test conditions for the X-wing model are given in Table 4. For the noise test, only trailing tip and edge blowing were used.

A "chirping" noise developed during the X-wing noise test which came from the X-wing model and was recorded on all microphone channels. The chirping noise occurred once per revolution of the rotor. At the beginning of the test the chirp was intermittent, but as the test progressed the chirp was increasingly present. The chirp sounded like the noise made by rubbing metal on metal. The frequency content of the chirp is in the 2500 and 3150 Hz 1/3-octave bands. The cause of the chirp has not been determined.

Rye Canyon Bowl Calibration

The acoustic data on the X-wing comprise only one part of the overall X-wing test. The second part of the test was the acoustic calibration of the whirl tower bowl. As mentioned earlier these data were recorded on tape number 6. Although three different calibration techniques were employed, random (pink) noise, tone sweep, and impulsive noise, for the present paper which concerns 1/3-octave band analysis only the random noise bowl calibration will be discussed.

The random noise calibration had two parts. The first part consisted of broadcasting pink noise from a loudspeaker mounted on the whirl tower. For this part the eleven far-field microphones were positioned as described earlier for the X-wing noise data test. Microphone 12 was mounted in front of the loudspeaker at a known position and used as a reference microphone. Before the bowl calibrations were begun (April 8th) the X-wing model tear down had started. The tear down allowed for some subsystem background noise recordings, however, it complicated the bowl calibrations. The top working platforms of the whirl tower and the gantry were removed, as was the X-wing model. As a consequence the loudspeaker could not be placed at the

height of the rotor plane and for the calibration tests was placed facing microphone Array A, 3.4 m below the rotor plane. Microphone 11 was in the same relative position for the calibration tests, but this was accomplished by mounting the microphone on a pole and positioning the gantry approximately 3 m closer to the whirl tower. The relative positions between each microphone and the loudspeaker were measured and over a minute of pink noise was recorded.

The second part of the random noise bowl calibration involved placing the speaker in an anechoic chamber to measure the free-field response of the speaker system to the same excitation as used in the bowl loudspeaker test. The eleven far-field microphones were placed in the same geometric relationship with the speaker as in the bowl test except that the finite size of the anechoic chamber necessitated shorter slant ranges in the chamber test. Those slant ranges are given in Table 5. Microphone 12 was in the same position for both parts of the random noise calibration. The electrical signal to the speaker amplification system was recorded for both parts of the calibration.

DATA REDUCTION

One-Third Octave Band

The X-wing acoustic data were reduced to one-second average 1/3-octave band time histories. The gain and start/stop times for each test condition were read from the gain log sheets provided with the analog data tapes and stored in the form of a file on a computer disk. A 1/3-octave band analysis program was run which used the gain/time files to reduce the acoustic data on a particular analog data tape. For a particular test condition if there were seventeen seconds of recorded analog data the results of the 1/3-octave analysis program would be seventeen one second averaged 1/3-ocatave band spectra. No corrections were applied to the 1/3-octave band results.

The X-wing data recorded on analog Tape 4 did not have pre- or post-microphone calibrations of any kind. Tape 4 did however have microphone calibrations on it for the day before the acoustic data were recorded. These calibrations were used to reduce the acoustic data on tape 4. As a check on the validity of using day old microphone calibrations the amplitude of various piston phone calibrations was measured for different microphones on different X-wing data tapes. The results were that the maximum fluctuation in the amplitude of the piston phone calibrations (48 were checked) averaged over the 12 data channels was 2 percent. This implies that using the day old microphone calibrations leads to an uncertainty of .16 db in the results of the analysis of the acoustic data of tape 4. The alternative to using the day old calibrations was not to reduce the data on tape 4 thus eliminating 19 percent of the X-wing data received. Although, using day-old calibrations is bad practice, the data on Tape 4 were included because of the limited amount of X-wing noise data.

A typical 1/3-octave band result is illustrated in figure 4. The data in the figure are an average of 20 one second averaged 1/3-octave band spectra. The test condition shown is for RPM = 404, collective = 1.5 deg, and BPR = 2.1 for microphone 2. The solid curve is the average data and the dashed curves are the standard deviations about the average curve. A complete listing of the average as measured 1/3-octave band results for the X-wing noise data is given in the appendix.

Chirp Correction

A problem with the X-wing data was a chirping sound which emitted from the X-wing model. The chirp, when it occurred, repeated once per revolution. At the beginning of the X-wing noise test the chirp was observed by test personnel occasionally. As the test progressed the chirp was present an increasing amount of the time. The frequency content of the chirp was mainly in the 2500 and 3150 Hz 1/3-octave bands.

In order to eliminate the chirp from the measured acoustic data the following correction procedure was developed. A straight line was fitted between the two 1/3-octave bands on either side of the 2500 and 3150 Hz bands in a measured spectrum. The values of the fitted line at 2500 and 3150 Hz were assigned to those bands. A three element sliding average was used on the two bands on either side of 2500 and 3150 Hz and the two bands themselves to smooth any sharp corners in the corrected spectrum. Measured spectra with and without the chirp correction are shown in figure 5. In the figure the solid line is the measured data the dashed line is the corrected spectrum.

Free-field Correction

The random noise calibrations of the bowl consisted of two parts: broadcasting random noise in the whirl tower bowl and in an anechoic chamber. Both random noise recordings for the eleven far-field microphones were reduced to average 1/3-octave spectra in a similar manner to the X-wing data. Ideally the random noise spectra from the bowl were influenced by bowl reflections in the same way as the X-wing data. The anechoic chamber spectra ideally were the true free-field spectra of the loud speaker system. Computing free-field corrections then becomes the simple task of subtracting the bowl random spectra from the anechoic random spectra at the same slant range for each microphone. The anechoic spectra were corrected to the bowl spectra slant ranges with the addition of spherical spreading and atmospheric absorption corrections. These corrections were calculated using the slant ranges give in Tables 2 and 5, and the American National Standards Institute (ANSI) method for the determination of molecular absorption (ref. 5). The computed free-field corrections for the eleven far-field microphones are given in Table 6.

An example of a free-field corrected spectrum for microphone 9, a flush mounted microphone, is illustrated in figure 6. In the figure the solid curve is the measured spectrum, the dashed curve the chirp corrected spectrum, and the short-long dashed curve is the free-field corrected spectrum. Approximately 6 dB of pressure doubling is seen for the mid frequencies as would be expected for a flush mounted microphone. At low

frequencies the free-field correction is greater than 6 dB indicating focusing caused by bowl reflections. A bothersome observation is that the addition of free-field corrections added bumps and valleys to the measured spectrum rather than smoothed them out as would normally be expected.

The X-wing computed free-field corrections are best described as approximate and the free-field corrected spectra as estimates. The corrections have irregularities but when used in conjunction with frequency integrated noise metrics should be adequate and, in fact, better than assuming a flat 6 dB pressure doubling for the flush mounted microphones. The problems with the free-field corrections are caused by a number of contributing factors. The bowl calibrations were a simulation of the X-wing rotor noise test with a measureable free-field sound source. The calibration loud speaker was mounted 3.4 m beneath the rotor tip plane. This change in geometry between the noise test and the calibrations could cause different reflection effects. The loud speaker, a point source, had a different directivity pattern than the distributed source of the 25 ft. diameter X-wing rotor. The anechoic chamber low frequency results may not have been true free-field levels of the speaker because of the non-anechoic behavior of chambers at low frequencies. The free-field corrected values, despite these problems, are more realistic measures of the noise produced by the X-wing model rotor system.

RESULTS

Noise Trend Curves

Noise versus performance parameter trend curves were computed with the X-wing noise data. In order to produce a two dimensional trend curve two of the three performance or test parameters, BPR, RPM, and collective, were held constant while the third was varied to the extent of the measured data. For example, to compute a trend curve a value of RPM and collective were selected. All the test conditions for these two particular test parameter values and any value of BPR were found. The average 1/3-octave spectra for the selected test conditions and a single microphone were integrated to form a desired noise metric. Chirp and free-field corrections were applied to the spectra before integrating. Then the noise values were plotted versus BPR to form the trend curve. A least-squares fit of second order was computed and drawn through the data points.

With a data set the size of the X-wing data set many so called two dimensional trend curves are possible. For the present paper a subset of all the possible trend curves has been selected to be shown. Trend curves are given only for microphone 3, one of the two flush mounted microphones positioned the greatest distance away from the whirl tower. To conserve the number of figures and to compact the results, each trend curve figure is shown as a family plot with the value of one of the two chosen test parameters varying over its' range. Trend curves were computed in overall sound pressure level (OA), A-weighted sound level, and tone corrected perceived noise level (PNLT) metrics.

The first group of trend curves, figures 7 to 10, are curves of noise versus BPR for various combinations of RPM and collective, referred to as

BPR trend curves. In each figure collective is the family parameter, that is, in each figure there is a curve of noise versus BPR for all available values of collective (alpha); RPM is fixed. The four figures correspond to the four values of RPM used in the X-wing noise test in ascending order. Each figure has three parts, one part for each of the noise metrics. Overall sound pressure level results are given in part a, A-weighted results in part b, and PNLT results in part c. The least-squares coefficients of the curves given in figures 7 to 10 are given in Tables 7 through 10, respectively.

The second group of trend curves, figures 11 to 14, are collective trend curves with BPR as the family parameter. Each figure again corresponds to a different RPM in ascending order. Least-squares coefficients are given in Tables 11 through 14, respectively.

The third and final group of trend curves, figures 15 to 19, are rotor tip speed (RPM) trend curves with BPR as the family parameter. The figures correspond to the following values of collective: 0., 1.5, 3., 6., and 8.5 deg., respectively. The least-squares coefficients are given in Tables 15 through 19.

The BPR trend curves, figures 7 through 10, had the largest changes in slope, indicating that the noise produced by the X-wing was more sensitive to changes in BPR than changes in RPM or collective. As a general rule, and as expected, the noise produced by the X-wing rotor system increased with increasing BPR, RPM and collective. There were intermediate values of BPR where local noise minimums existed. An example of this is shown in figure 8(a) in the 6 deg. collective curve. In the figure the noise level at a BPR of 1.2 is less than the noise levels at 1.1 and 1.3 BPR. The data points for a particular BPR trend curve seemed to fall in two groups. For values of BPR less than 1.3 or 1.5, the data points grouped along a line of small positive slope. The larger valued BPR points fell about a line of greater slope. This two slope tendency indicates that as BPR increases holding RPM and collective constant the noise produced changes only slightly. Above a certain value of BPR the noise increases much more rapidly. This behavior is illustrated in the 8.5 collective curve of figure 7(a).

CONCLUDING REMARKS

The acoustic data from the Rye Canyon 25 ft. diameter X-wing rotor system model have been reduced to 15 to 20 second average 1/3-octave band spectra. The acoustic data consisted of data from twelve microphones for over 150 test conditions. Each test condition was defined by a unique combination of three test parameters- RPM, collective, and blade pressure ratio (BPR). A problem of missing microphone calibrations for one of the five analog data tapes was overcome. The complete reduced average X-wing acoustic data are listed in the appendix.

A trend analysis of noise with the three test parameters was performed. The trend analyses were done in terms of overall sound pressure level, A-weighted sound level, and tone corrected perceived noise level (PNLT). Before the measured spectra were integrated to form the desired

metrics, corrections were applied to the spectra for an extraneous chirp made by the X-wing model and to correct the spectra to free-field conditions. The chirp correction consisted of discarding the 2500 and 3150 Hz measured band levels and fitting a smooth curve through the bands on either side. The free-field corrections were calculated from a random noise calibration of the outdoor whirl tower bowl where the X-wing experiment was performed. The free-field corrections are approximate, but clearly show low frequency acoustic focusing caused by reflections in the bowl. Because of the focusing the free-field corrected spectra are more realistic measures of the noise produced by the model X-wing rotor system than assuming pressure doubling for the flush mounted microphones.

The results of the trend analysis in general showed the expected- the noise of the X-wing increased with increasing BPR, RPM, and collective. The noise produced by changing the three test parameters one at a time was more sensitive to changes in BPR. The increase in noise caused by an increase in BPR generally followed a two slope trend. For low values of BPR the noise changed little, for larger values of BPR the noise increased more rapidly. The transition form one slope to another occurred between values of 1.3 and 1.5 of BPR. For the lower values of BPR there often was an intermediate value for which there was a local noise minimum.

TABLE 1.- MICROPHONE COORDINATES

Coordinates in m

MIC	X	Y	Z
1	-12.41	-8.77	-.7
2	-18.58	-13.16	-.98
3	-24.72	-17.68	-1.16
4	-33.57	-23.64	5.16
5	-40.57	-29.13	10.16
6	-21.98	43.85	11.16
7	-18.0	36.66	5.56
8	-13.3	27.22	-.49
9	-10.01	20.37	-.35
10	-6.66	13.57	-.24
11	-1.34	15.6	18.82
Center of Rotor Plane	0.0	-.71	18.95
Closest Approach Array A	-3.10	-2.22	18.95
Closest Approach Array B	-1.67	3.42	18.95
Center of Loudspeaker Face	-2.26	-.89	15.57

TABLE 2.- SLANT RANGES

Slant Ranges in m

MIC	TO CENTER ROTOR PLANE	TO CLOSEST ROTOR TIP	TO CENTER OF LOUDSPEAKER FACE
1	24.60	22.71	20.73
2	29.96	27.50	26.28
3	36.10	33.33	32.65
4	42.93	39.72	40.08
5	50.31	46.96	47.90
6	50.30	45.92	49.10
7	43.59	39.38	41.93
8	36.54	32.86	34.20
9	30.28	27.01	27.67
10	24.83	22.28	21.87
11	16.37	15.01	16.83

TABLE 3.- COMPLETED X-WING ACOUSTIC TEST MATRIX

Blade Pressure Ratio

RPM	COLLECTIVE, DEG	BLADE PRESSURE RATIO
404	0	1.0 - 1.7
	1.5*	1.0, 1.2, 1..4 - 2.1
	3	1.0 - 1.7
	6	1.0 - 1.7
	8.5	1.0 - 1.6
420	0	1.0 - 1.7
	1.5*	1.0, 1.2, 1.4 - 2.1
	6	1.0 - 1.7
458	0	1.0 - 1.7
	1.5*	1.0, 1.2, 1.4 - 2.0
	3	1.0 - 1.8 (+/- R, +/- P 1.6)
	6	1.0 - 1.6 (+/- R, +/- P 1.5)
	8.5	1.0 - 1.5
497	0	1.0 - 1.3 twice, 1.4 - 1.6
	1.5	1.0, 1.2, 1.4 - 2.0
	4.5	1.0 - 1.8
	6	1.0 - 1.6

Test Conditions 150.

*No pre- or post- microphone calibrations.

TABLE 4.- X-WING EXTRA TEST CONDITIONS

RPM	COLLECTIVE, DEG	BPR	COMMENT
458	3.0	1.6	Positive Pitch
458	3.0	1.6	Negative Pitch
458	3.0	1.6	Positive Roll
458	3.0	1.6	Negative Roll
458	6.0	1.6	Positive Pitch
458	6.0	1.6	Negative Pitch
458	6.0	1.6	Positive Roll
458	6.0	1.6	Negative Roll
497	0.0	1.0	Repeat
497	0.0	1.1	Repeat
497	0.0	1.2	Repeat
0	0	0	Ambient
0	0	1.2	X-Position*
0	0	1.4	X-Position
0	0	1.6	X-Position*
0	0	1.8	X-Position
0	0	2.0	X-Position*
0	0	0	Subsystem Noise: Drive Motor Cooling
0	0	0	Subsystem Noise: Main Bldg. Cooling Tower
0	0	0	Subsystem Noise: Transmission Lube Pump
0	0	0	Subsystem Noise: Tower Base Hydraulics
0	0	0	Subsystem Noise: All Systems Together

*Condition Repeated.

TABLE 5.- ANECHOIC CHAMBER SLANT RANGES

MIC	SLANT RANGES IN M
1	3.22
2	4.27
3	5.51
4	5.18
5	5.21
6	3.05
7	3.02
8	3.02
9	3.28
10	3.58
11	2.90

Table 6. Free-field Corrections

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11
5	-19.5	-16.3	-16.4	-18.6	-21.2	-23.6	6.9	-20.2	-20.4	-17.0	-17.1
6.3	-19.0	-16.1	-16.1	-17.2	-18.4	-23.5	7.3	-20.5	-19.2	-17.6	-14.9
8	-19.6	-16.5	-15.3	-17.1	-18.5	-24.9	5.4	-18.7	-18.8	-15.8	-14.0
10	-20.5	-18.7	-16.2	-20.2	-23.3	-30.3	2.8	-20.9	-20.3	-16.6	-14.4
12.5	-16.7	-11.8	-5.6	-9.0	-11.1	-23.6	1.7	-15.7	-16.9	-13.0	-6.7
16	-12.2	-9.2	-0.5	-5.0	-6.0	-12.6	0.2	-9.8	-8.7	-5.3	-0.6
20	-16.5	-16.0	-10.8	-13.2	-12.6	-10.1	-1.9	-11.9	-11.9	-8.9	-1.2
25	-7.3	-9.3	-9.7	-8.7	-2.9	-2.7	-3.2	-8.2	-8.8	-9.0	-0.4
32	-10.8	-11.5	-13.6	-10.2	-5.4	-3.8	-5.5	-10.7	-11.9	-11.7	-4.6
40	-12.5	-15.0	-14.7	-5.7	-10.6	-8.5	-3.2	-8.3	-8.9	-8.8	-2.8
50	-8.4	-9.9	-12.9	-6.3	-13.9	-10.9	2.2	-8.7	-10.4	-10.6	-4.3
63	-6.8	-6.0	-9.0	-5.1	-7.5	-5.0	-0.8	-6.7	-7.3	-8.1	-1.0
80	-6.8	-7.6	-9.8	-2.4	1.8	-0.2	-4.2	-7.9	-7.3	-7.1	-0.6
100	-5.2	-4.9	-7.7	-0.7	-3.2	-4.8	-2.4	-6.1	-7.9	-8.1	-1.7
125	-4.7	-6.8	-6.2	-5.8	-1.3	-3.3	-3.3	-6.8	-6.6	-7.6	-5.1
160	-7.7	-8.4	-9.8	-6.2	-4.2	-4.2	-7.7	-7.5	-7.1	-5.6	-1.7
200	-8.5	-9.3	-6.7	-3.8	-3.6	-6.0	-7.0	-6.8	-6.7	-5.7	-1.8
250	-9.0	-6.6	-3.2	-1.7	-2.7	-6.8	-8.6	-5.7	-5.5	-4.1	-0.5
320	-6.3	-5.4	-4.3	0.3	-1.9	-1.9	3.4	-5.1	-5.4	-6.0	-0.9
400	-4.3	-5.1	-3.5	0.9	3.9	5.3	0.4	-7.0	-8.8	-4.7	0.0
500	-6.0	-4.2	-5.3	2.5	1.6	0.4	2.4	-5.4	-4.9	-4.3	-1.3
630	-6.0	-5.6	-6.2	-4.4	-0.9	-2.8	-4.8	-5.5	-5.7	-7.9	1.3
800	-2.4	-6.2	-5.3	-2.5	-2.2	-4.8	-3.5	-4.4	-5.7	-7.5	-1.5
1.0k	-4.4	-4.9	-6.0	-0.9	-0.8	-2.2	-0.6	-5.2	-3.2	1.0	-1.2
1.25k	-3.9	-3.5	-5.7	-4.1	-3.0	-0.8	-4.9	-1.5	-1.0	-1.1	0.1
1.6k	-2.1	-1.9	-5.6	-3.5	-3.0	-6.8	-5.4	-4.1	-4.1	-3.6	1.0
2.0k	-4.7	-4.7	-3.8	-1.6	-2.3	-5.7	-2.9	-3.9	-4.3	-4.1	2.5
2.5k	-2.8	-5.0	-3.4	-1.6	-3.6	-2.8	-2.4	-2.8	-3.7	-2.6	0.2
3.2k	-2.0	0.6	-2.4	-3.7	-4.0	-6.8	-4.3	-1.3	1.4	-2.7	1.1
4.0k	-5.2	-1.4	-4.2	0.6	0.2	1.1	-2.2	-3.0	-1.8	-5.2	1.9
5.0k	1.1	1.1	4.1	1.5	4.7	-3.1	-7.2	-2.4	-1.5	-1.8	4.4
6.3k	-1.2	-2.0	1.1	2.2	4.8	-0.5	-0.5	-1.0	-3.2	2.5	4.2
8.0k	-0.3	4.0	-1.9	5.0	1.4	2.8	1.6	-0.1	1.0	8.3	6.6
10.0k	3.7	4.2	2.1	6.4	4.1	4.3	2.5	1.0	5.1	8.1	5.4
12.5k	-1.8	6.9	4.4	-3.4	1.4	3.3	1.5	-2.5	9.4	3.1	5.3
16.0k	-4.0	-0.8	3.1	-8.3	-1.7	-7.6	-10.5	-8.1	0.6	1.8	1.4
20.0k	-4.0	-4.2	2.4	-15.3	-10.3	-10.7	-10.7	-15.5	-6.7	-4.7	-14.5

Table 7. Least-squares Coefficients for Figure 7.

	Collective, deg.	C_0	C_1	C_2
Overall	8.5	63.371	19.218	2.105
	6.0	74.717	5.791	4.431
	3.0	84.230	-1.390	4.845
	1.5	82.169	3.569	2.226
	0.0	123.486	-59.678	25.263
A-weighted	8.5	38.296	56.173	-14.046
	6.0	55.508	31.289	-6.513
	3.0	63.054	23.563	-4.371
	1.5	81.304	-3.865	5.242
	0.0	65.766	17.155	-1.246
PNLT	8.5	54.317	55.645	-14.414
	6.0	77.109	22.609	-3.928
	3.0	75.411	27.067	-5.775
	1.5	91.665	1.676	3.144
	0.0	69.506	32.088	-6.523

Table 8. Least-squares Coefficients for Figure 8.

	Collective, deg.	C_0	C_1	C_2
Overall	6.0	75.795	7.349	3.294
	1.5	81.692	5.347	1.514
	0.0	80.666	6.389	1.084
A-weighted	6.0	67.198	16.889	-1.726
	1.5	76.148	4.243	2.581
	0.0	61.772	26.006	-4.989
PNLT	6.0	90.988	4.047	2.714
	1.5	91.497	4.247	1.981
	0.0	62.693	47.523	-13.349

Table 9. Least-squares Coefficients for Figure 9.

	Collective, deg.	C_0	C_1	C_2
Overall	8.5	97.066	-16.096	10.609
	6.0	94.584	-12.231	8.847
	3.0	72.846	21.912	-3.996
	1.5	94.222	-7.023	4.802
	0.0	115.373	-41.912	18.596
A-weighted	8.5	60.420	36.512	-10.512
	6.0	76.894	8.419	0.723
	3.0	51.681	44.319	-11.484
	1.5	79.600	2.060	3.152
	0.0	97.543	-25.911	14.304
PNLT	8.5	79.724	26.008	-5.943
	6.0	88.135	11.143	0.113
	3.0	67.958	41.071	-10.494
	1.5	94.166	2.583	2.498
	0.0	98.154	-5.755	6.783

Table 10. Least-squares Coefficients for Figure 10.

	Collective, deg.	C_0	C_1	C_2
Overall	6.0	118.665	-46.111	20.527
	4.5	111.571	-30.822	14.003
	1.5	97.594	-8.018	4.952
	0.0	87.336	8.478	-1.949
A-weighted	6.0	82.791	-1.826	4.304
	4.5	101.099	-24.564	12.122
	1.5	84.851	-1.388	4.092
	0.0	91.202	-12.082	8.062
PNLT	6.0	92.311	5.855	1.177
	4.5	110.773	-17.327	9.134
	1.5	100.367	-2.332	3.929
	0.0	95.504	2.265	2.601

Table 11. Least-squares Coefficients for Figure 11.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.7	95.233	-0.141	0.065
	1.6	92.131	0.945	-0.052
	1.5	91.591	-0.240	0.141
	1.4	90.135	-0.089	0.113
	1.3	88.890	0.731	-0.084
	1.2	88.854	0.231	-0.057
	1.1	88.121	-0.681	0.051
	1.0	90.975	-1.311	0.091
A-weighted	1.7	91.276	-0.792	0.091
	1.6	89.257	-0.002	0.002
	1.5	88.862	-1.432	0.239
	1.4	87.485	-1.070	0.186
	1.3	86.367	0.139	-0.037
	1.2	84.981	0.103	-0.032
	1.1	82.684	-0.438	0.043
	1.0	84.932	-1.268	0.106
PNLT	1.7	104.949	-0.640	0.084
	1.6	103.581	0.033	-0.001
	1.5	102.915	-1.351	0.234
	1.4	101.479	-0.968	0.179
	1.3	100.623	0.137	-0.033
	1.2	98.990	0.285	-0.036
	1.1	96.461	0.181	-0.008
	1.0	97.682	-0.586	0.056

Table 12. Least-squares Coefficients for Figure 12.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.7	95.038	-0.112	0.072
	1.6	93.135	0.579	0.002
	1.5	91.995	2.245	-0.289
	1.4	93.031	-1.886	0.306
	1.3	90.487	0.066	0.000
	1.2	90.022	-0.066	-0.049
	1.1	88.523	-0.088	0.000
	1.0	88.362	0.585	-0.136
A-weighted	1.7	105.670	-1.517	0.250
	1.6	103.734	-0.746	0.151
	1.5	102.749	0.494	-0.069
	1.4	104.321	-2.550	0.349
	1.3	102.030	-0.185	0.000
	1.2	100.793	-0.872	0.116
	1.1	98.387	0.096	0.000
	1.0	96.877	0.437	-0.052
PNLT	1.7	92.165	-1.597	0.221
	1.6	89.849	-0.707	0.131
	1.5	88.629	1.185	-0.192
	1.4	89.772	-2.711	0.380
	1.3	87.063	-0.094	0.000
	1.2	85.939	-0.299	0.002
	1.1	83.846	0.048	0.000
	1.0	82.950	-0.311	0.035

Table 13. Least-squares coefficients for Figure 13.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.7	97.735	-2.638	0.885
	1.6	95.977	0.309	-0.009
	1.5	93.890	1.075	-0.095
	1.4	92.627	1.492	-0.133
	1.3	92.657	0.401	-0.035
	1.2	92.610	-0.162	0.026
	1.1	91.808	-0.350	0.041
	1.0	91.850	0.009	-0.002
A-weighted	1.7	94.950	-3.981	1.182
	1.6	92.305	-0.205	0.035
	1.5	90.312	0.400	-0.039
	1.4	88.808	1.008	-0.082
	1.3	88.655	0.267	-0.019
	1.2	87.237	-0.116	0.041
	1.1	86.327	-0.303	0.049
	1.0	85.291	-0.110	0.037
PNLT	1.7	108.238	-3.617	1.118
	1.6	105.792	-0.081	0.029
	1.5	104.078	0.325	0.024
	1.4	102.955	0.737	-0.061
	1.3	102.579	0.218	-0.020
	1.2	101.383	0.012	0.012
	1.1	100.247	-0.177	0.030
	1.0	98.806	0.036	0.012

Table 14. Least-squares Coefficients for Figure 14.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.7	97.869	0.341	0.000
	1.6	96.021	1.546	-0.207
	1.5	95.134	0.714	-0.116
	1.4	95.743	0.178	-0.069
	1.3	94.919	2.236	-0.423
	1.2	94.839	0.435	-0.101
	1.1	94.131	0.419	-0.115
	1.0	93.729	1.219	-0.219
A-weighted	1.7	94.601	-0.085	0.000
	1.6	92.307	0.978	-0.179
	1.5	90.810	0.616	-0.154
	1.4	90.632	0.582	-0.156
	1.3	89.031	2.708	-0.501
	1.2	88.477	0.933	-0.164
	1.1	87.099	0.837	-0.181
	1.0	86.840	1.651	-0.307
PNLT	1.7	108.278	-0.141	0.000
	1.6	105.736	0.895	-0.161
	1.5	104.455	0.861	-0.180
	1.4	103.912	0.882	-0.182
	1.3	102.745	2.220	-0.398
	1.2	102.497	0.891	-0.165
	1.1	100.496	1.349	-0.238
	1.0	100.224	2.214	-0.389

Table 15. Least-squares Coefficients for Figure 15.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.7	402.685	-3.673	0.011
	1.6	-138.257	2.482	-0.007
	1.5	57.704	0.288	-0.001
	1.4	73.638	0.067	0.000
	1.3	13.077	0.717	-0.002
	1.2	8.291	0.774	-0.002
	1.1	77.999	-0.025	0.001
	1.0	-40.048	1.254	-0.003
A-weighted	1.7	190.697	-1.292	0.004
	1.6	-64.335	1.650	-0.004
	1.5	80.577	0.040	0.000
	1.4	62.931	0.212	0.000
	1.3	7.141	0.822	-0.002
	1.2	-7.253	0.971	-0.002
	1.1	-10.826	0.954	-0.002
	1.0	-16.448	0.962	-0.002
PNLT	1.7	236.143	-1.644	0.005
	1.6	5.584	1.051	-0.003
	1.5	86.405	0.143	0.000
	1.4	10.092	0.987	-0.003
	1.3	8.115	0.995	-0.003
	1.2	12.486	0.919	-0.002
	1.1	-47.641	1.536	-0.004
	1.0	59.154	0.309	-0.001

Table 16. Least-squares Coefficients for Figure 16.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	2.1	73.298	0.156	0.000
	2.0	100.364	-0.080	0.000
	1.9	208.282	-1.297	0.004
	1.8	230.550	-1.576	0.005
	1.7	171.621	-0.940	0.003
	1.6	233.079	-1.648	0.005
	1.5	-55.216	1.583	-0.004
	1.4	-8.917	1.017	-0.002
	1.2	136.773	-0.692	0.002
	1.0	76.907	-0.002	0.000
A-weighted	2.1	67.181	0.176	0.000
	2.0	67.330	0.222	0.000
	1.9	206.614	-1.341	0.004
	1.8	152.547	-0.776	0.002
	1.7	131.625	-0.577	0.002
	1.6	145.547	-0.747	0.002
	1.5	-92.146	1.929	-0.005
	1.4	-1.436	0.892	-0.002
	1.2	203.503	-1.458	0.004
	1.0	122.464	-0.548	0.002
PNLT	2.1	83.926	0.152	0.000
	2.0	85.353	0.171	0.000
	1.9	217.378	-1.312	0.004
	1.8	163.986	-0.748	0.002
	1.7	143.412	-0.552	0.002
	1.6	131.921	-0.428	0.002
	1.5	-30.193	1.387	-0.004
	1.4	20.559	0.810	-0.002
	1.2	135.096	-0.527	0.002
	1.0	113.144	-0.295	0.001

Table 17. Least-squares Coefficients for Figure 17.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.7	80.614	0.094	0.000
	1.6	65.814	0.178	0.000
	1.5	60.475	0.200	0.000
	1.4	56.899	0.215	0.000
	1.3	73.524	0.110	0.000
	1.2	69.041	0.131	0.000
	1.1	46.823	0.245	0.000
	1.0	68.998	0.122	0.000
A-weighted	1.7	65.368	0.154	0.000
	1.6	65.271	0.154	0.000
	1.5	56.964	0.192	0.000
	1.4	51.997	0.216	0.000
	1.3	68.328	0.117	0.000
	1.2	71.922	0.088	0.000
	1.1	43.439	0.235	0.000
	1.0	72.009	0.069	0.000
PNLT	1.7	82.379	0.137	0.000
	1.6	88.090	0.104	0.000
	1.5	78.639	0.145	0.000
	1.4	72.564	0.178	0.000
	1.3	85.898	0.096	0.000
	1.2	89.399	0.069	0.000
	1.1	68.292	0.177	0.000
	1.0	87.658	0.059	0.000

Table 18. Least-squares Coefficients for Figure 18.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.7	88.675	0.048	0.000
	1.6	50.619	0.464	-0.001
	1.5	-16.115	1.213	-0.003
	1.4	-183.012	3.032	-0.008
	1.3	-130.698	2.379	-0.006
	1.2	-2.321	0.035	-0.002
	1.1	-24.035	1.098	-0.003
	1.0	-139.249	2.351	-0.006
A-weighted	1.7	68.581	0.131	0.000
	1.6	-61.205	1.630	-0.004
	1.5	-91.536	1.985	-0.005
	1.4	-286.837	4.128	-0.011
	1.3	-172.224	2.829	-0.006
	1.2	-32.781	1.183	-0.003
	1.1	-87.264	1.829	-0.005
	1.0	-296.666	4.115	-0.011
PNLT	1.7	64.850	0.242	0.000
	1.6	-54.530	1.735	-0.005
	1.5	-78.868	2.009	-0.005
	1.4	-185.250	3.159	-0.009
	1.3	-87.300	2.045	-0.006
	1.2	7.540	0.950	-0.002
	1.1	9.925	0.933	-0.002
	1.0	-145.854	2.635	-0.007

Table 19. Least-squares Coefficients for Figure 19.

	Blade Pressure Ratio	C_0	C_1	C_2
Overall	1.5	127.004	-0.166	0.000
	1.4	115.314	-0.106	0.000
	1.3	58.842	0.189	0.000
	1.2	40.938	0.236	0.000
	1.1	40.532	0.281	0.000
	1.0	48.841	0.234	0.000
A-weighted	1.5	117.110	-0.141	0.000
	1.4	98.060	-0.036	0.000
	1.3	51.320	0.210	0.000
	1.2	43.097	0.252	0.000
	1.1	40.291	0.258	0.000
	1.0	48.508	0.208	0.000
PNLT	1.5	134.321	-0.159	0.000
	1.4	120.351	-0.085	0.000
	1.3	73.564	0.162	0.000
	1.2	72.875	0.161	0.000
	1.1	68.933	0.176	0.000
	1.0	75.507	0.133	0.000

Figure 1.- Photograph of Rye Canyon Whirl Tower Facility (from ref. 2 with permission).

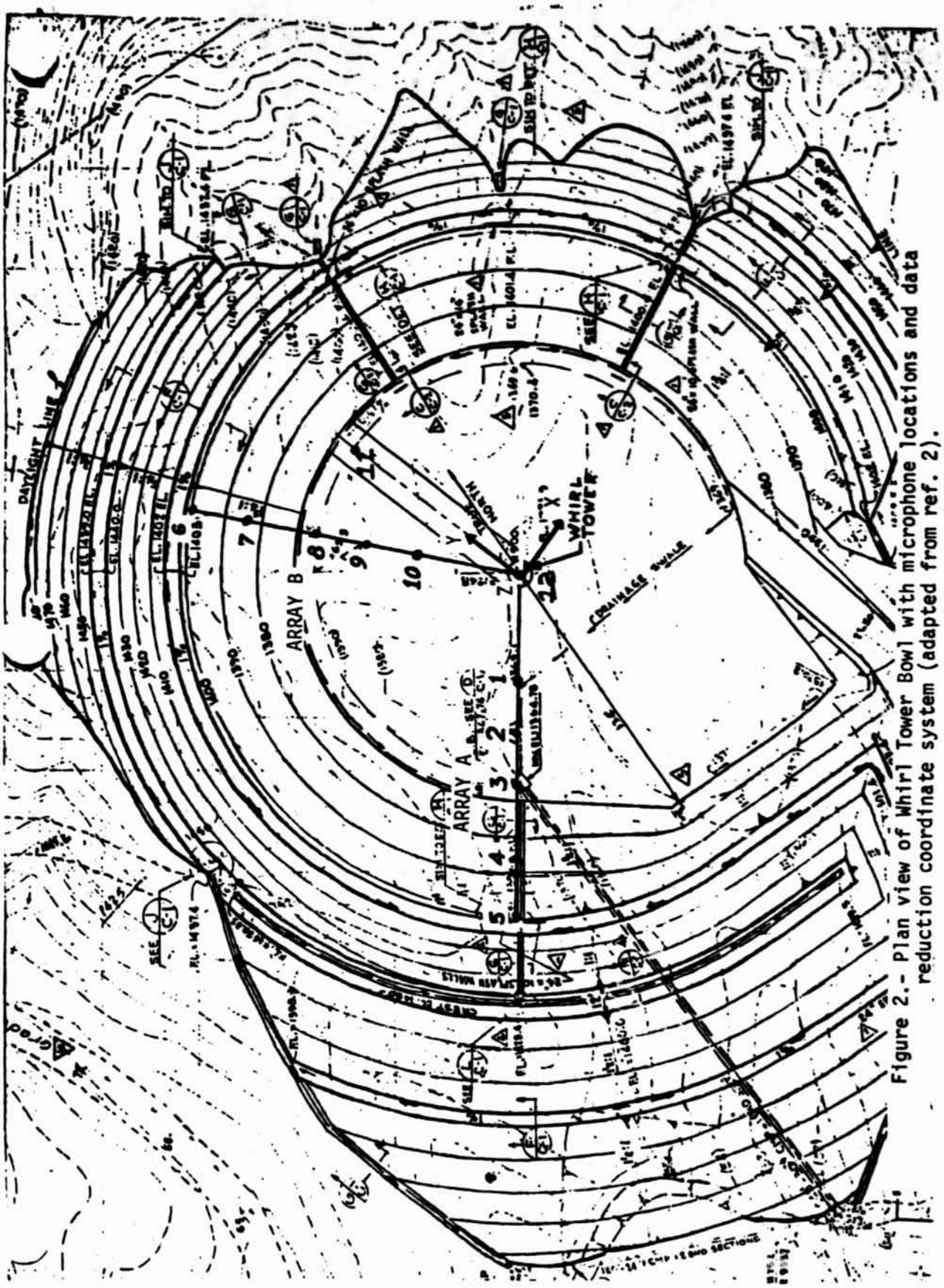


Figure 2.- Plan view of Whirl Tower Bowl with microphone locations and data reduction coordinate system (adapted from ref. 2).

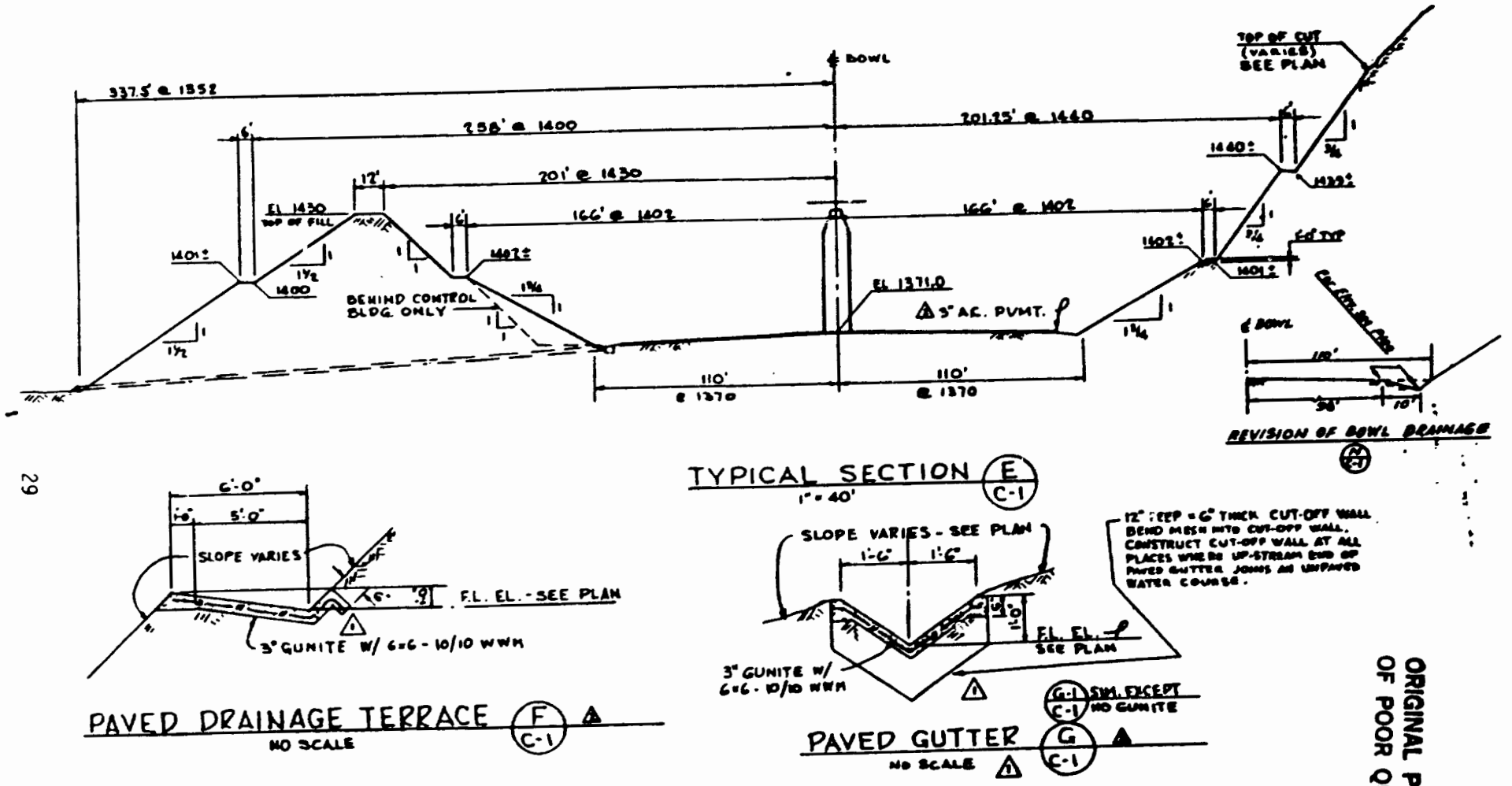


Figure 3.- Cross-section drawing of Whirl Tower Bowl (from ref. 2).

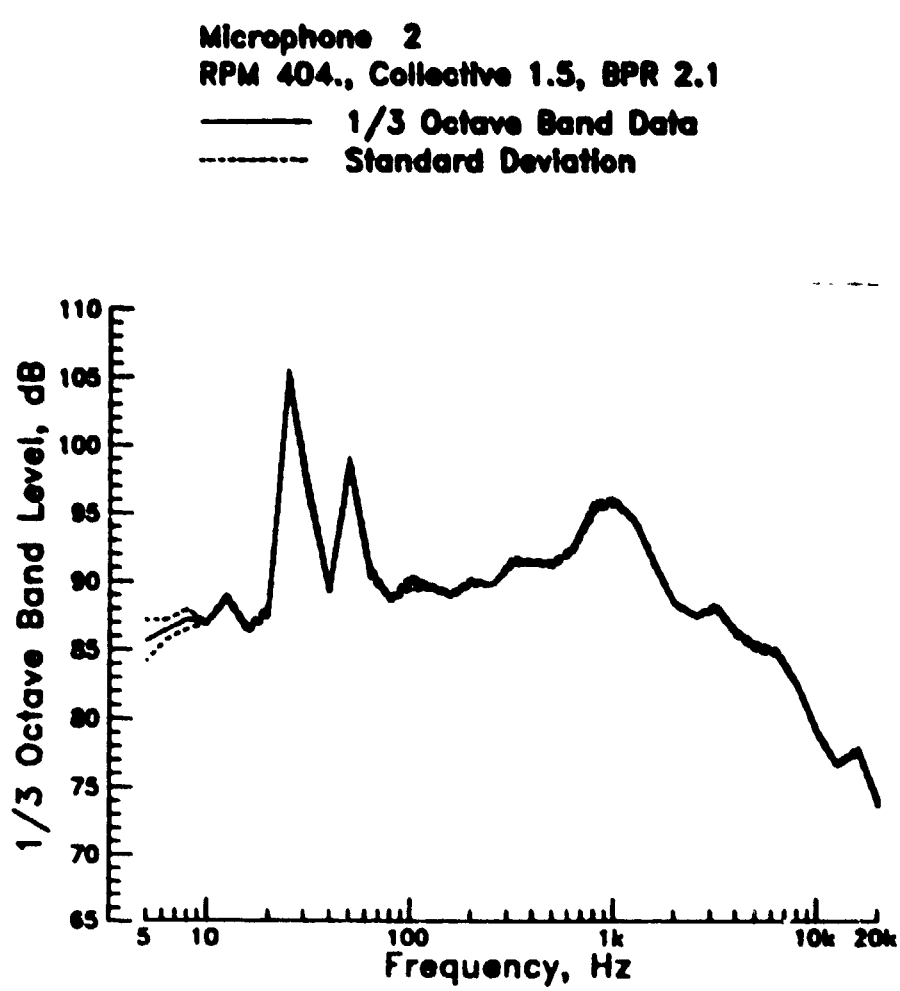


Figure 4.- Typical average one-third octave band spectrum.

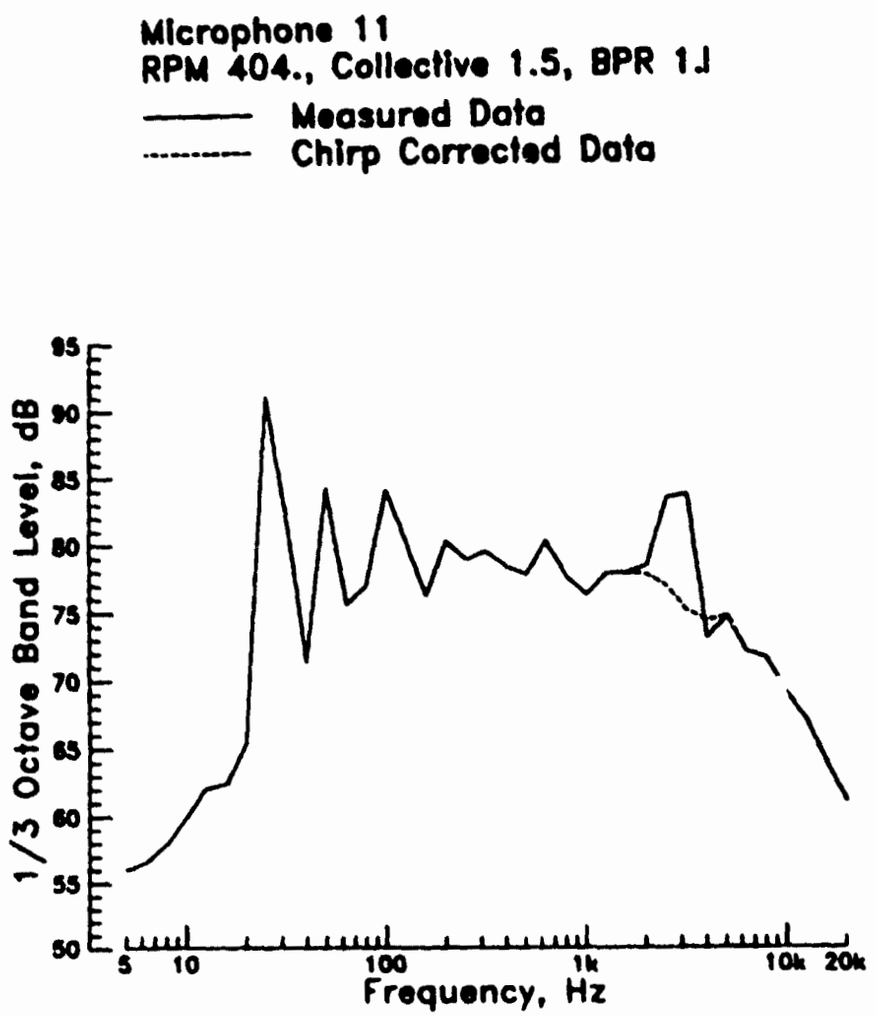


Figure 5.- Chirp corrected spectrum.

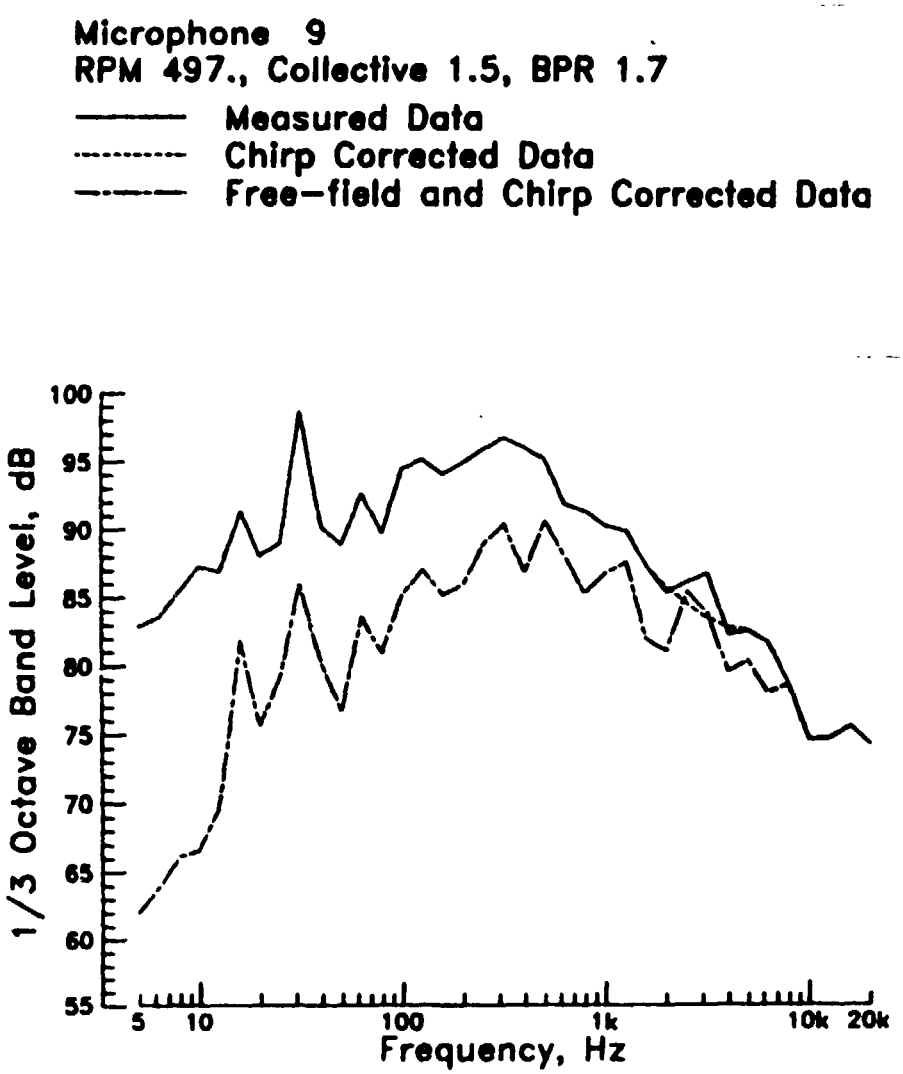
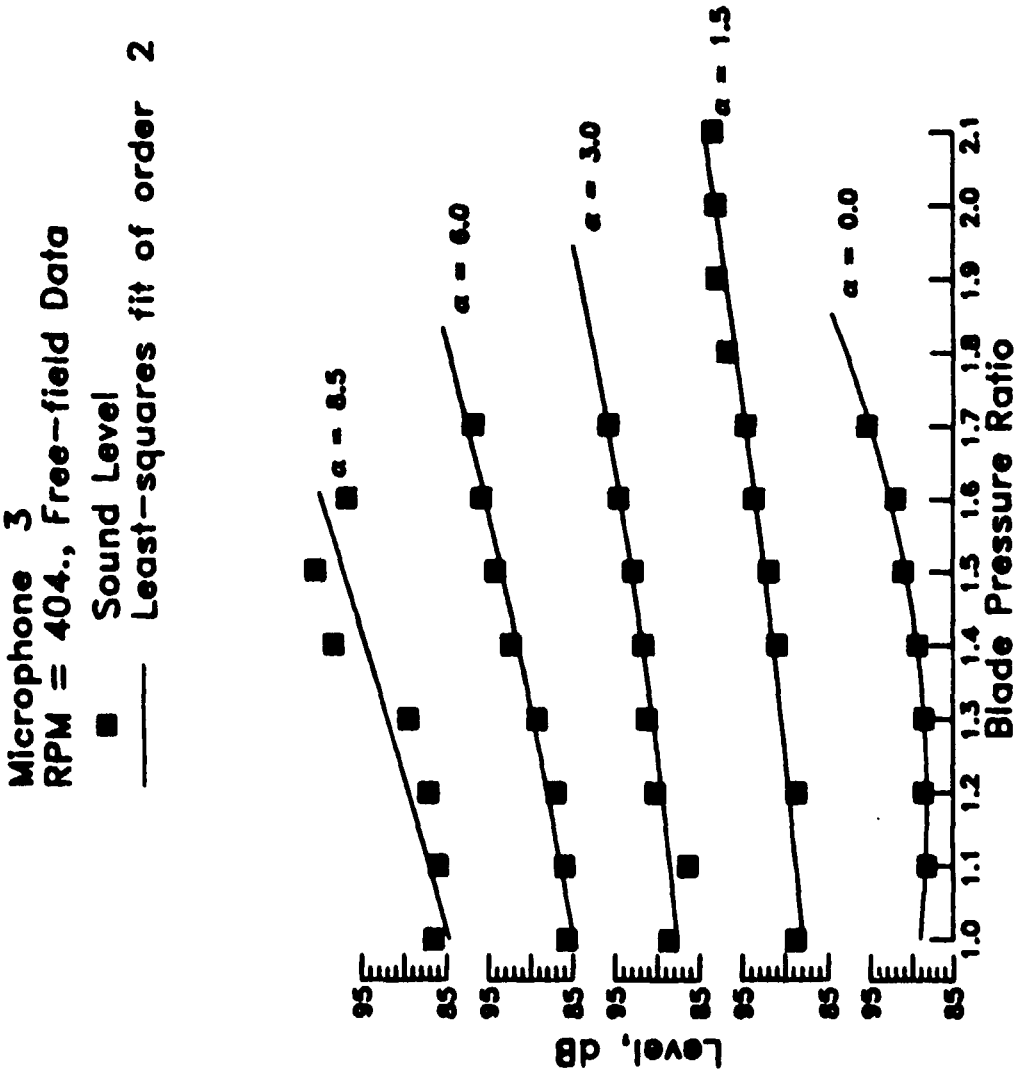
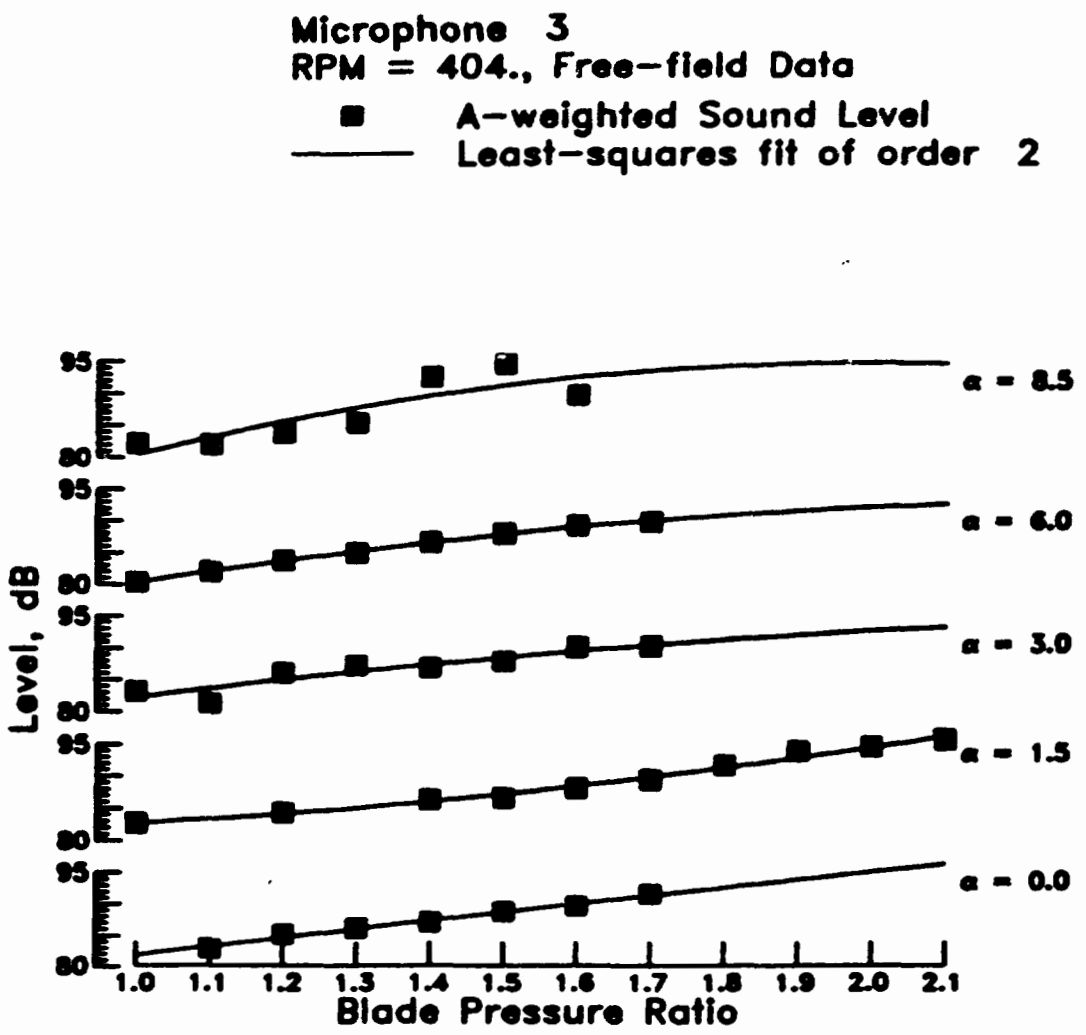


Figure 6.- Free-field corrected spectrum.



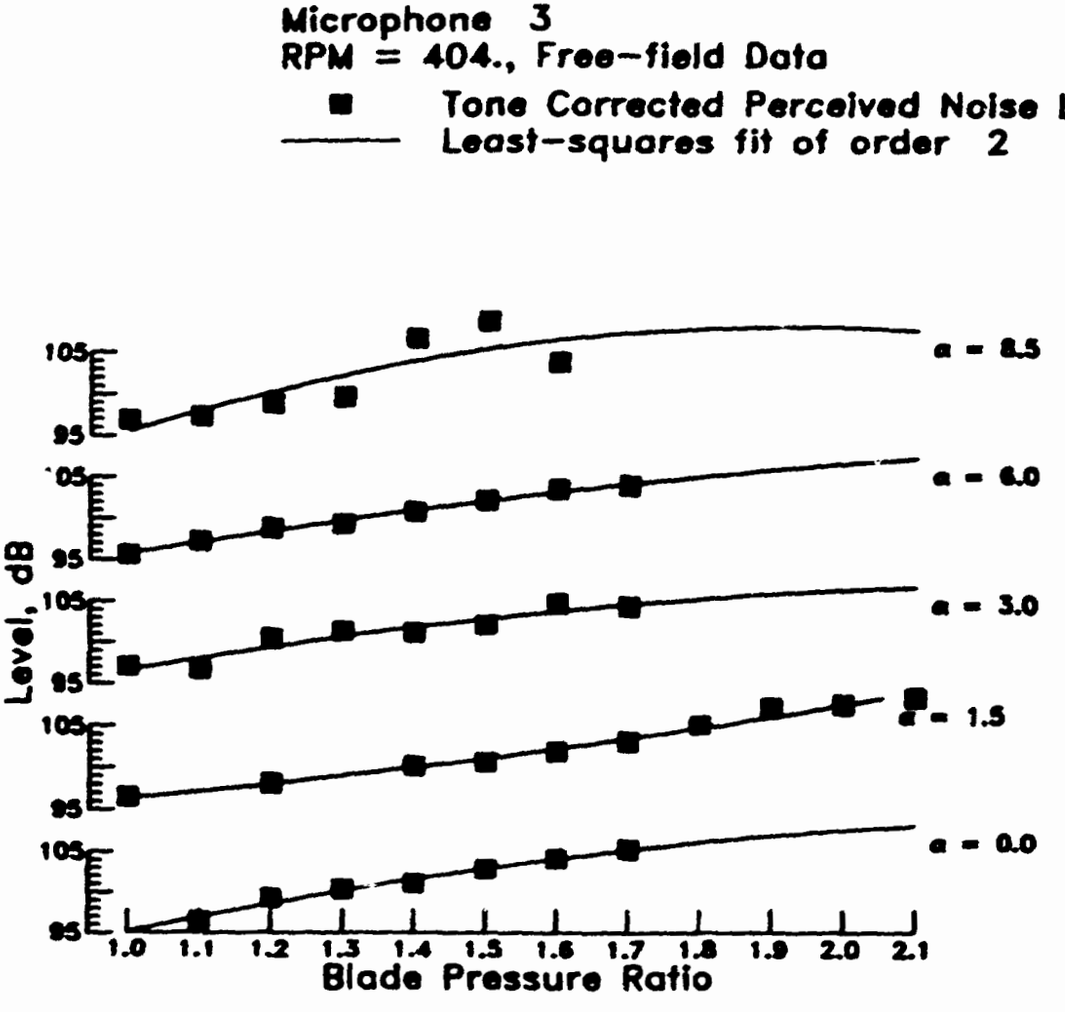
(a) Overall results.

Figure 7.- Blade pressure ratio trend curves for 404 rpm.



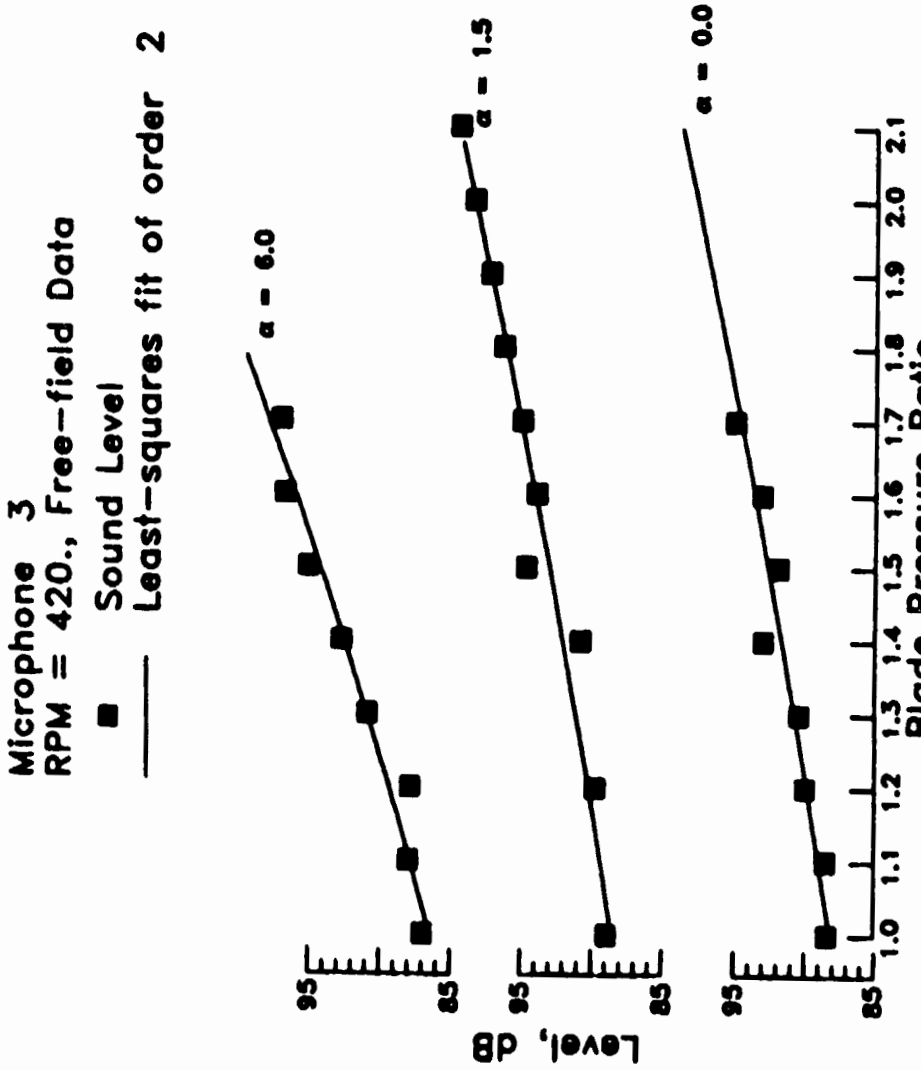
(b) A-weighted results.

Figure 7.- Continued.



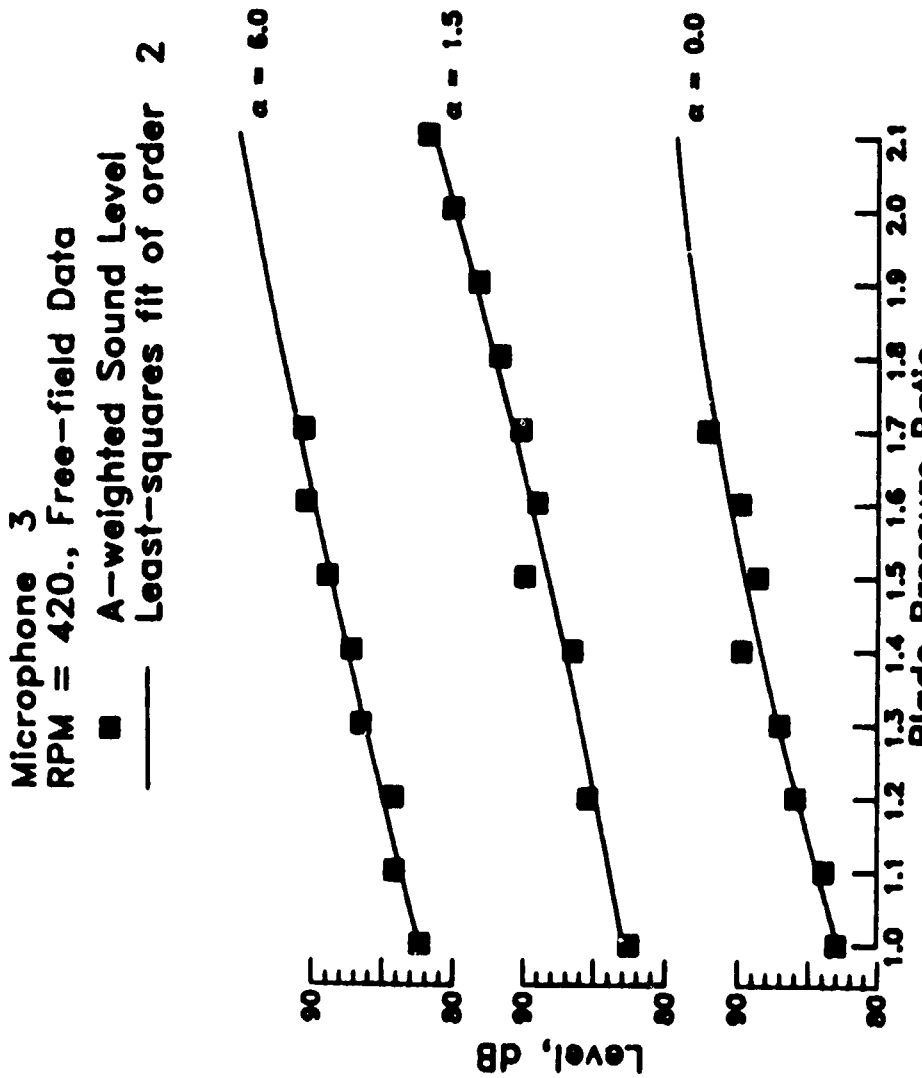
(c) PNLT results.

Figure 7.- Concluded.



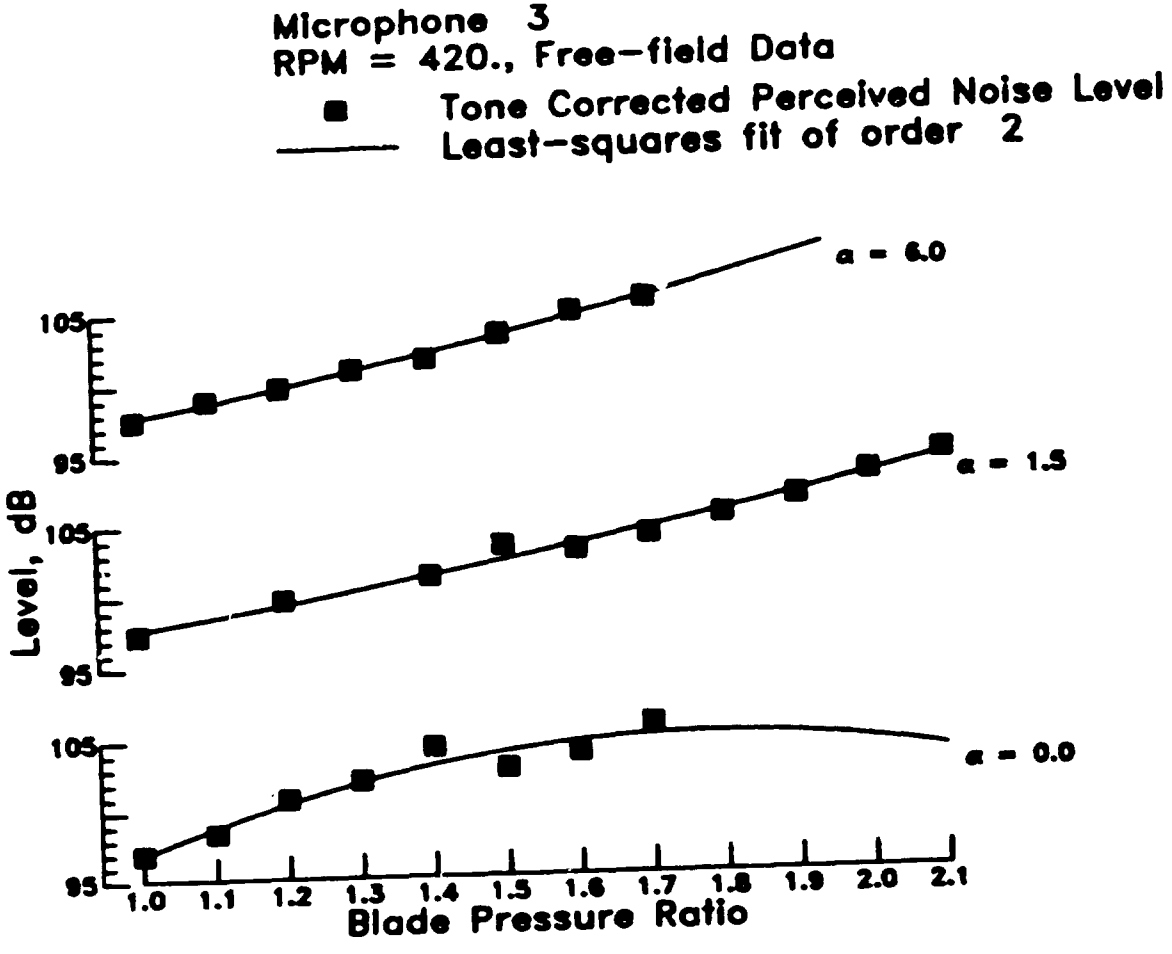
(a) Overall results.

Figure 8.- Blade pressure ratio trend curves for 420 rpm.



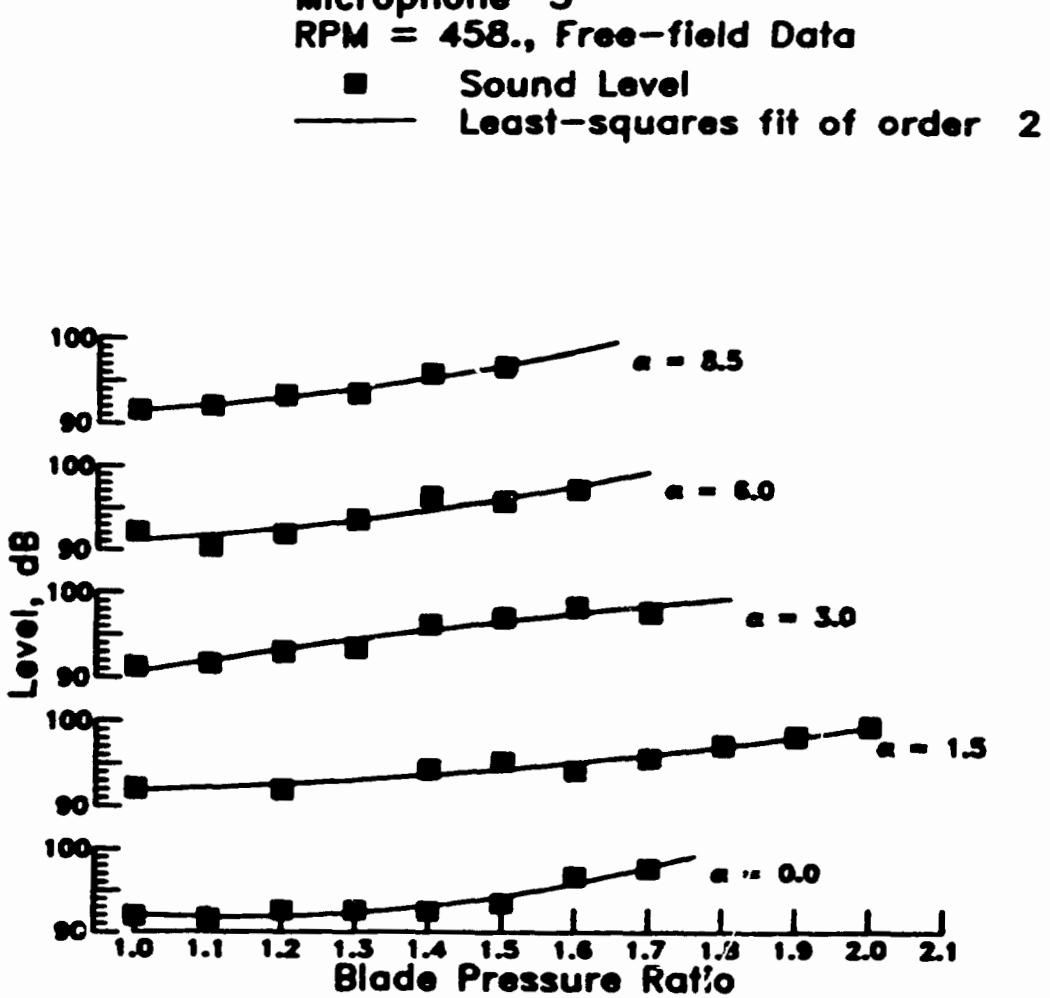
(b) A-weighted results.

Figure 8.- Continued.



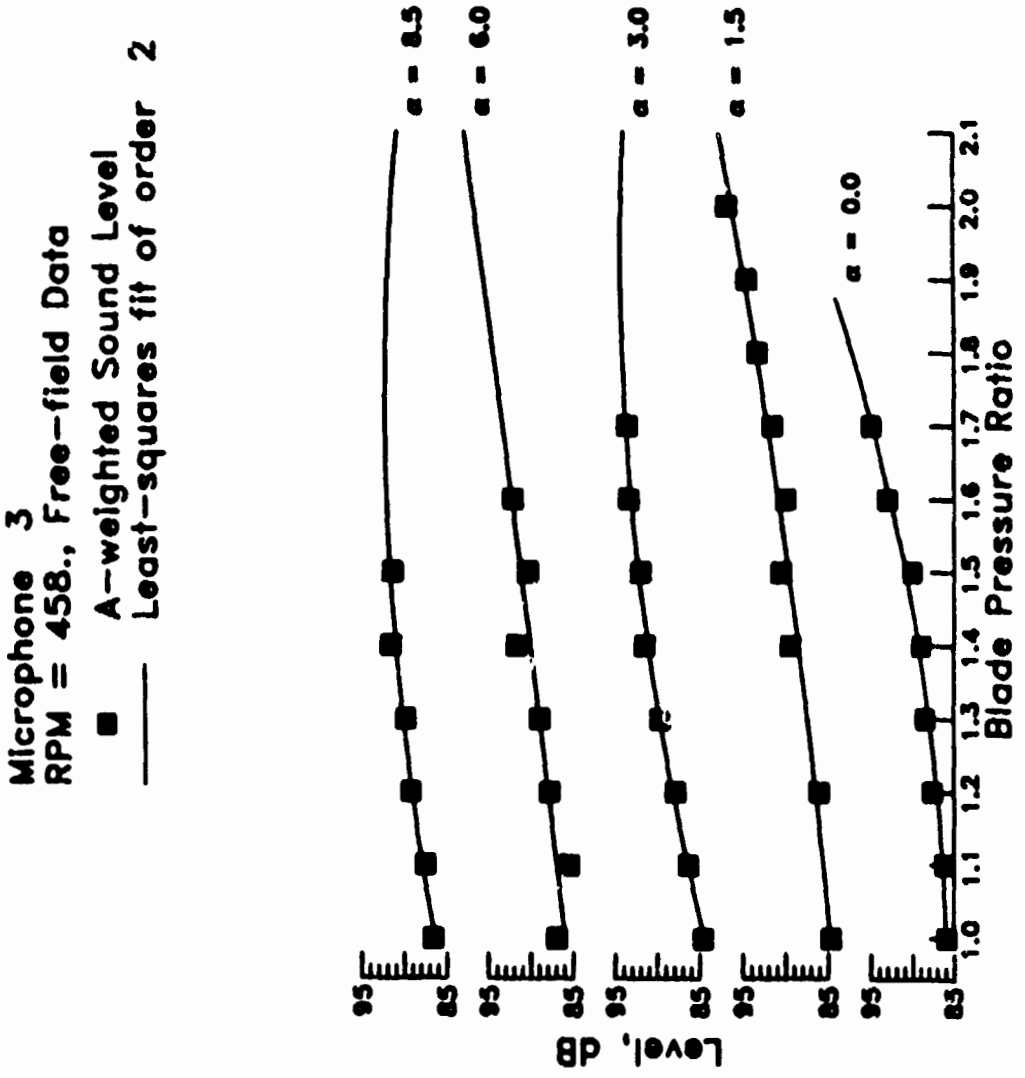
(c) PNLT results.

Figure 8.- Concluded.



(a) Overall results.

Figure 9.- Blade pressure ratio trend curves for 458 rpm.



(b) A-weighted results.

Figure 9.- Continued.

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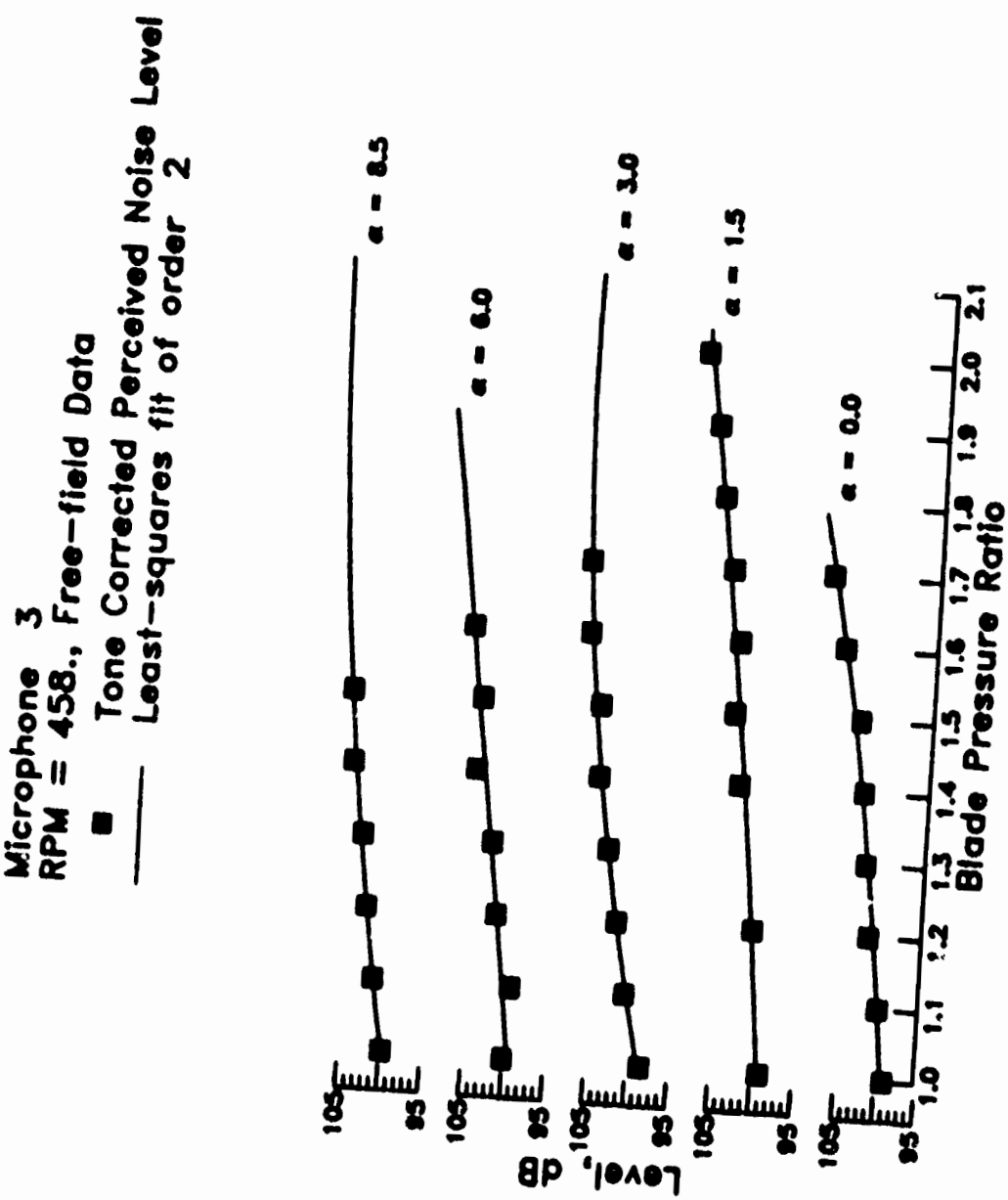
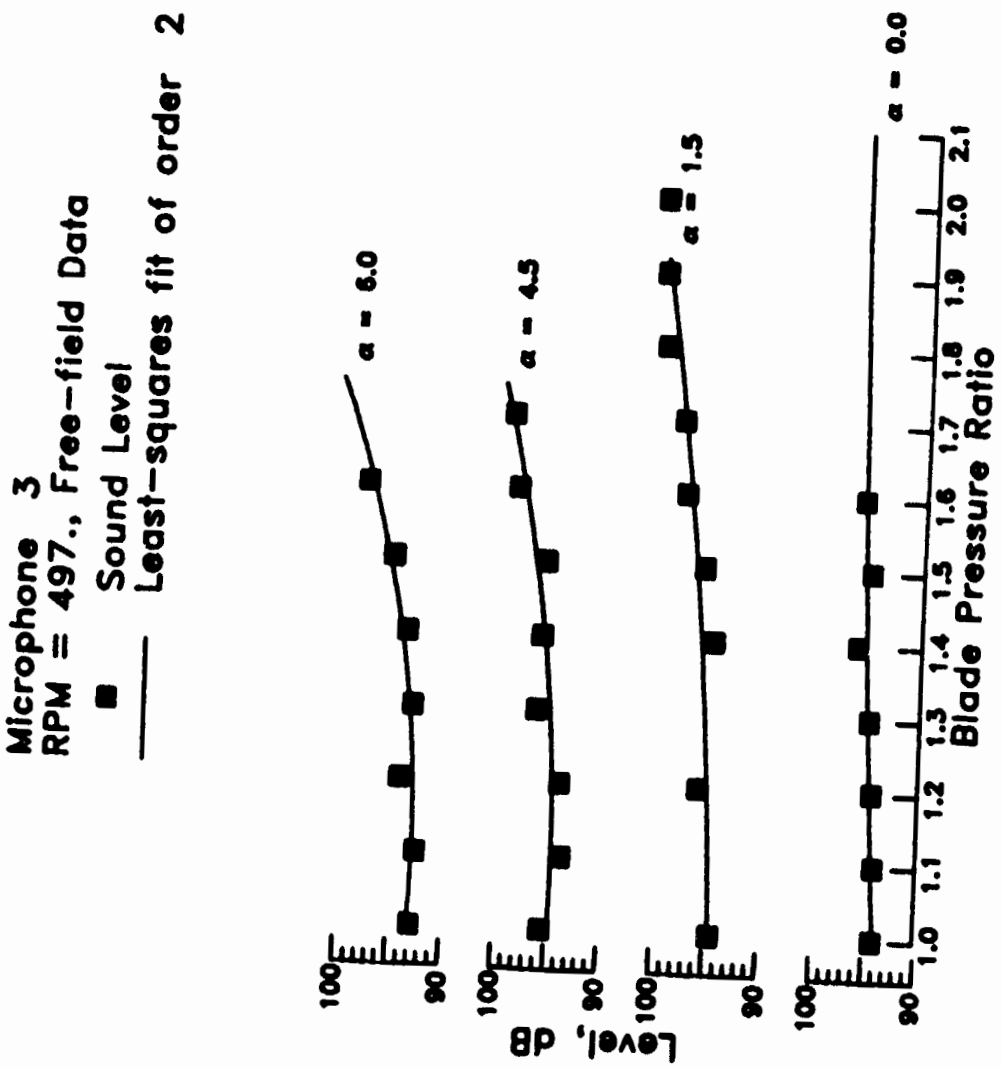


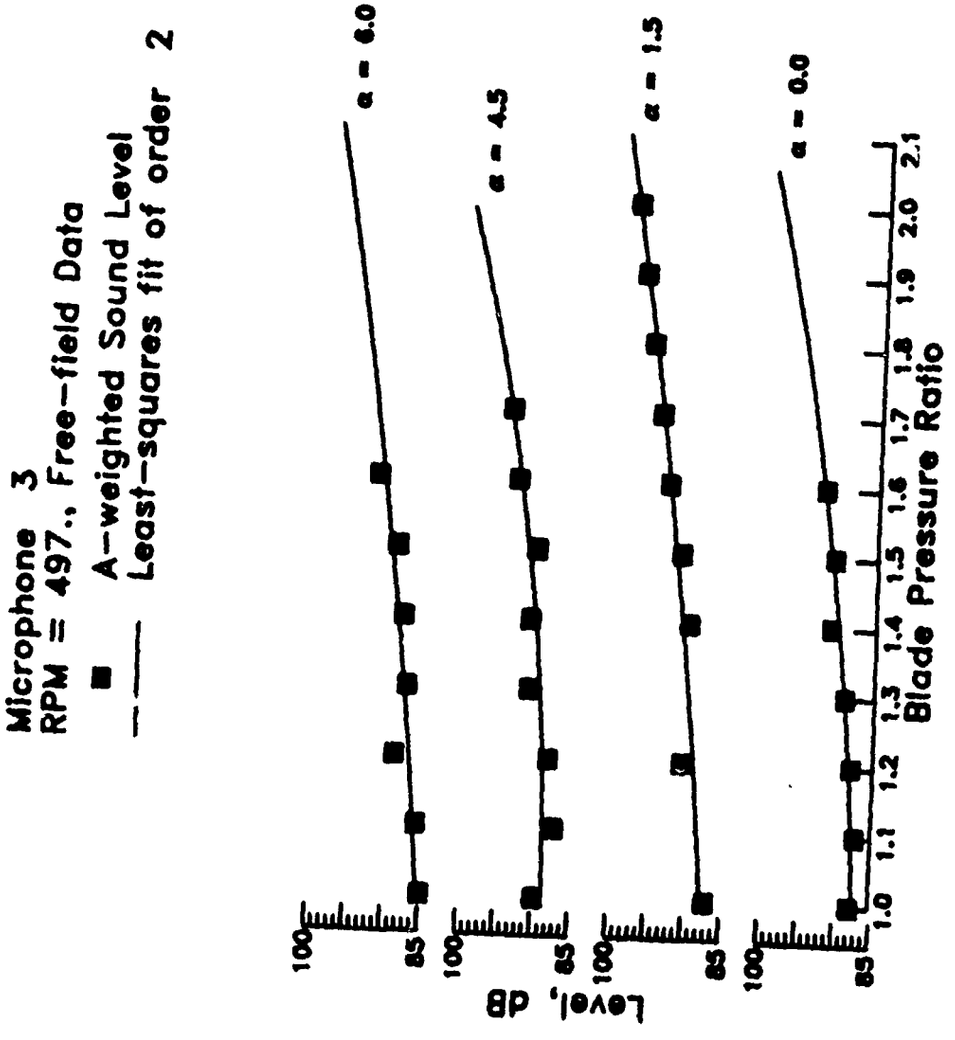
(c) PNLT results.

Figure 9.- Concluded.



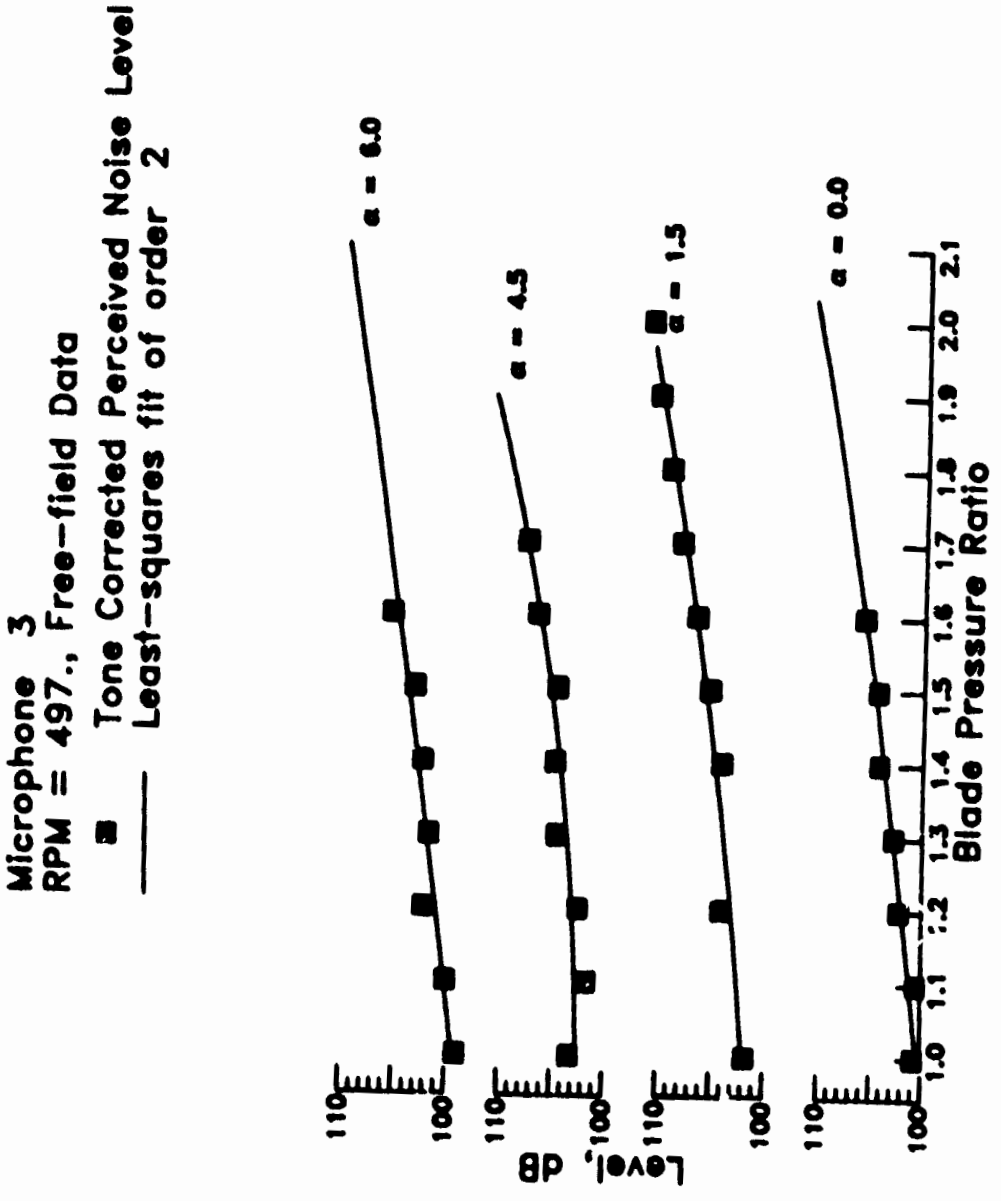
(a) Overall results.

Figure 10.- Blade pressure ratio trend curves for 497 rpm.



(b) A-weighted results.

Figure 10.- Continued.



(c) PNLT results.

Figure 10.- Concluded.

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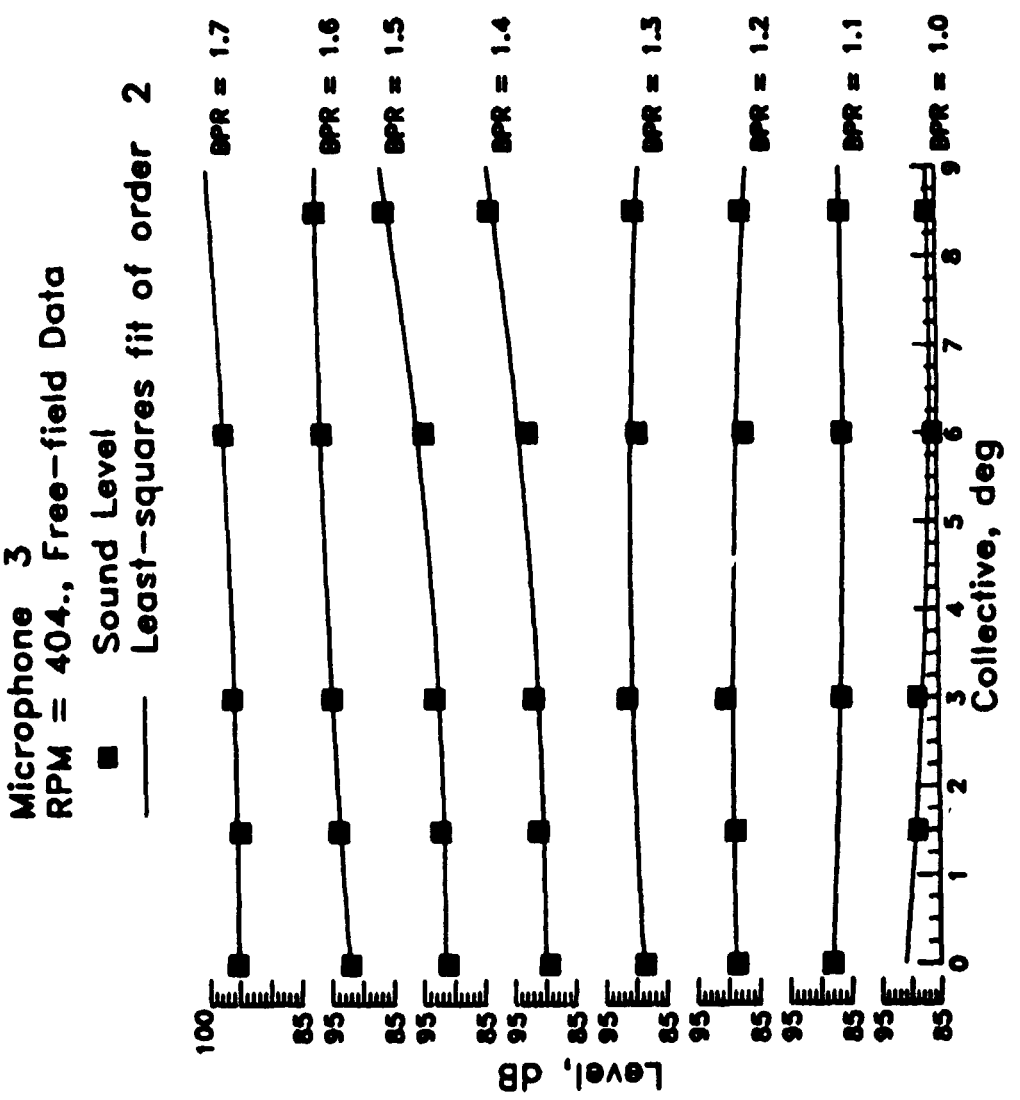

(a) Overall results.

Figure 11.- Collective trend curves for 404 rpm.

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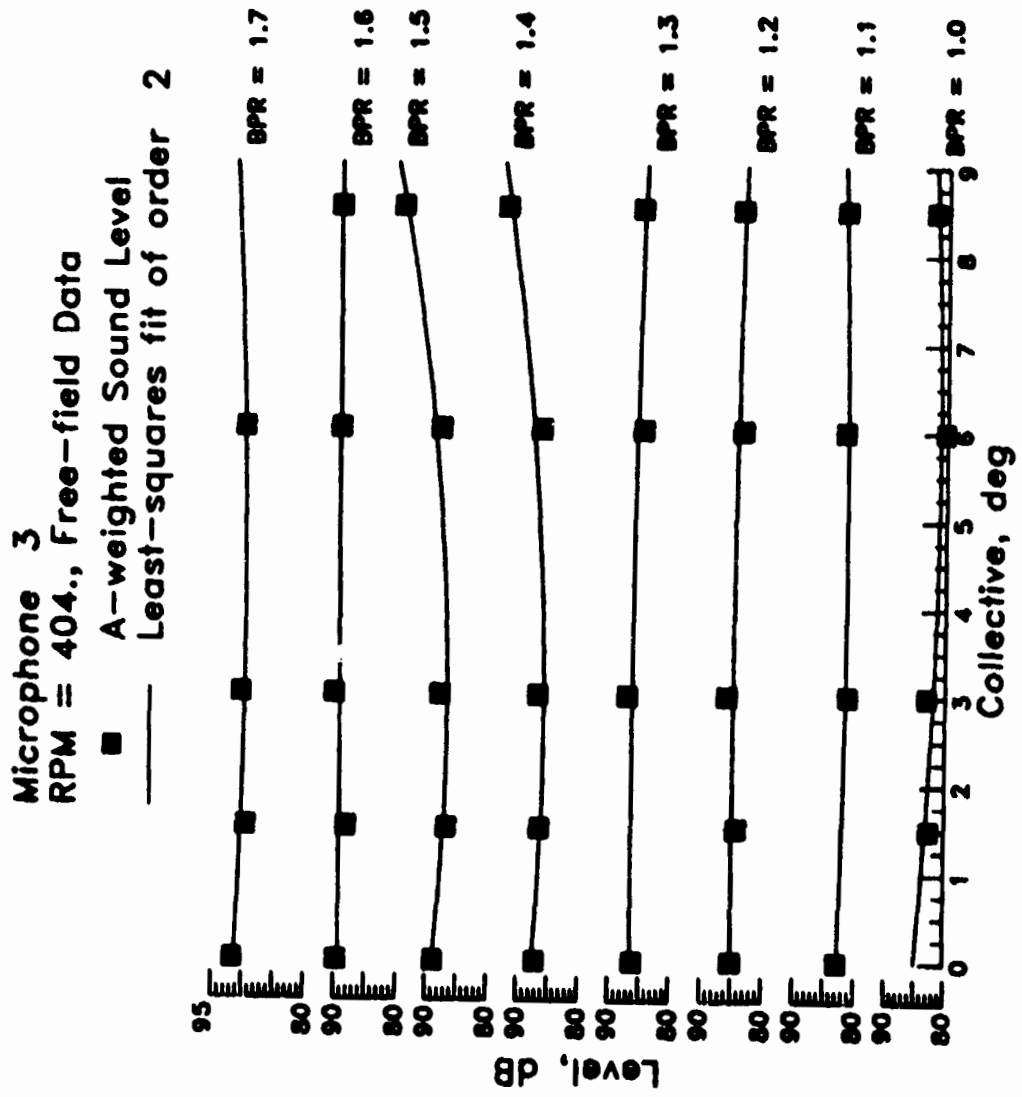
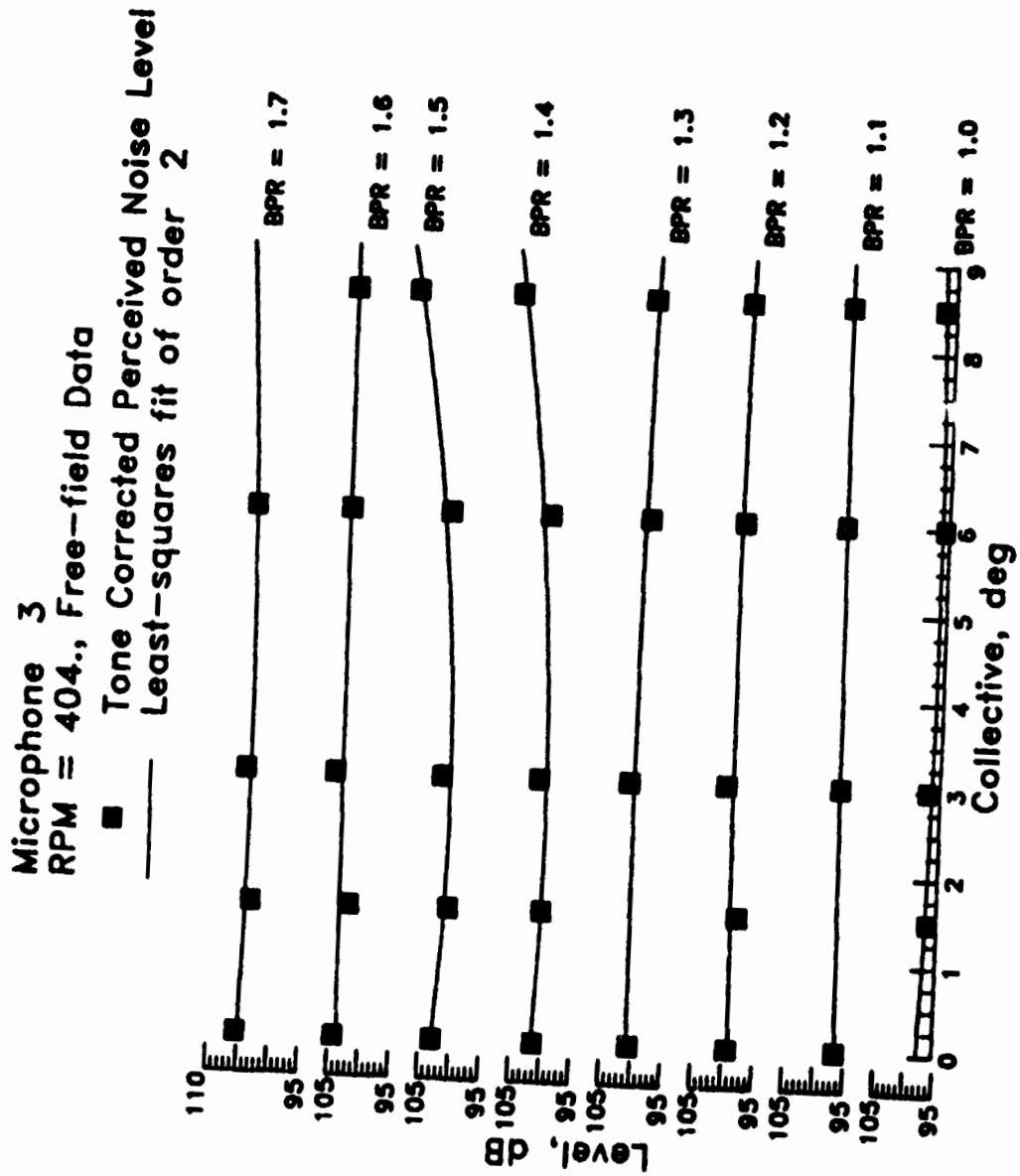


(b) A-weighted results.

Figure 11.- Continued.



(c) PNLT results.

Figure 11.- Concluded.

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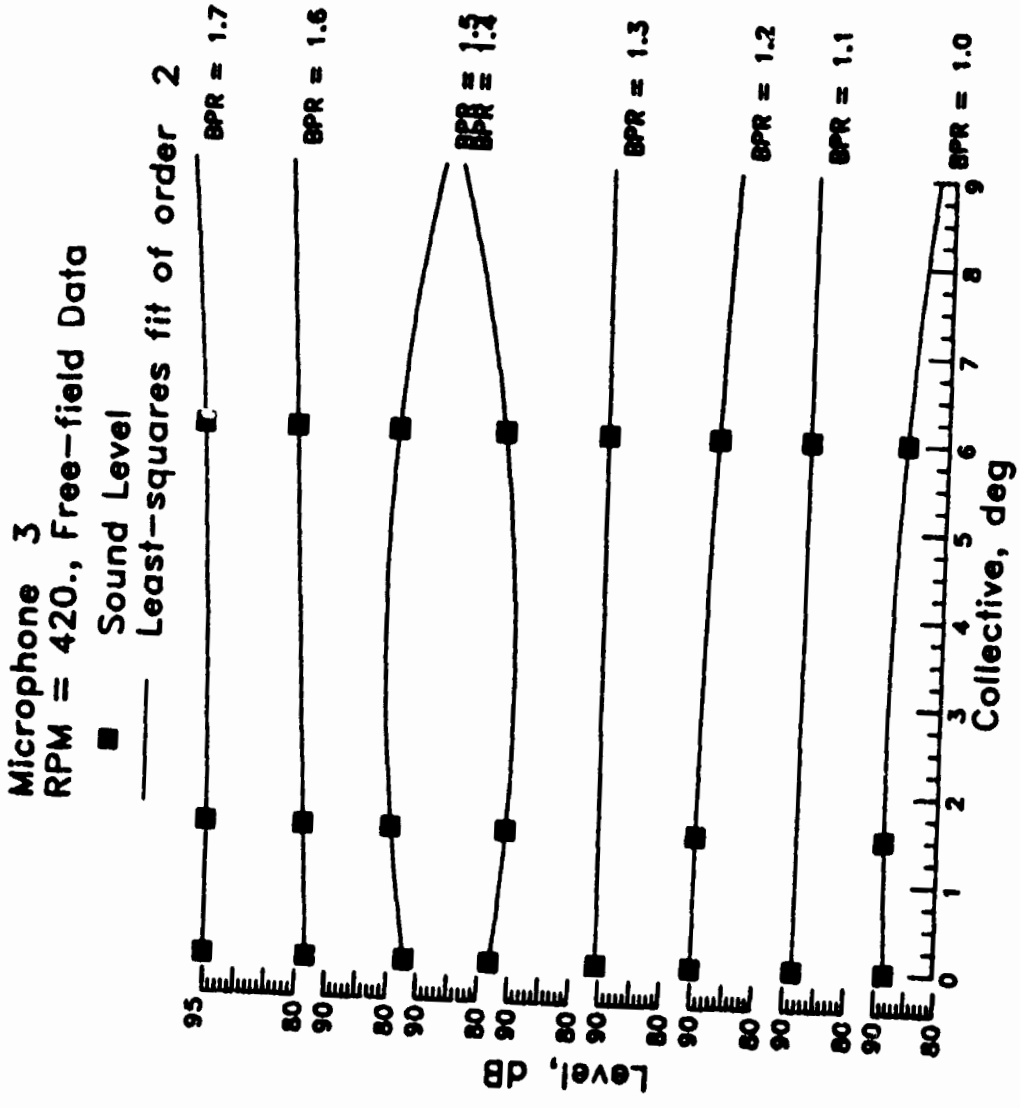

(a) Overall results.

Figure 12.- Collective trend curves for 420 rpm.

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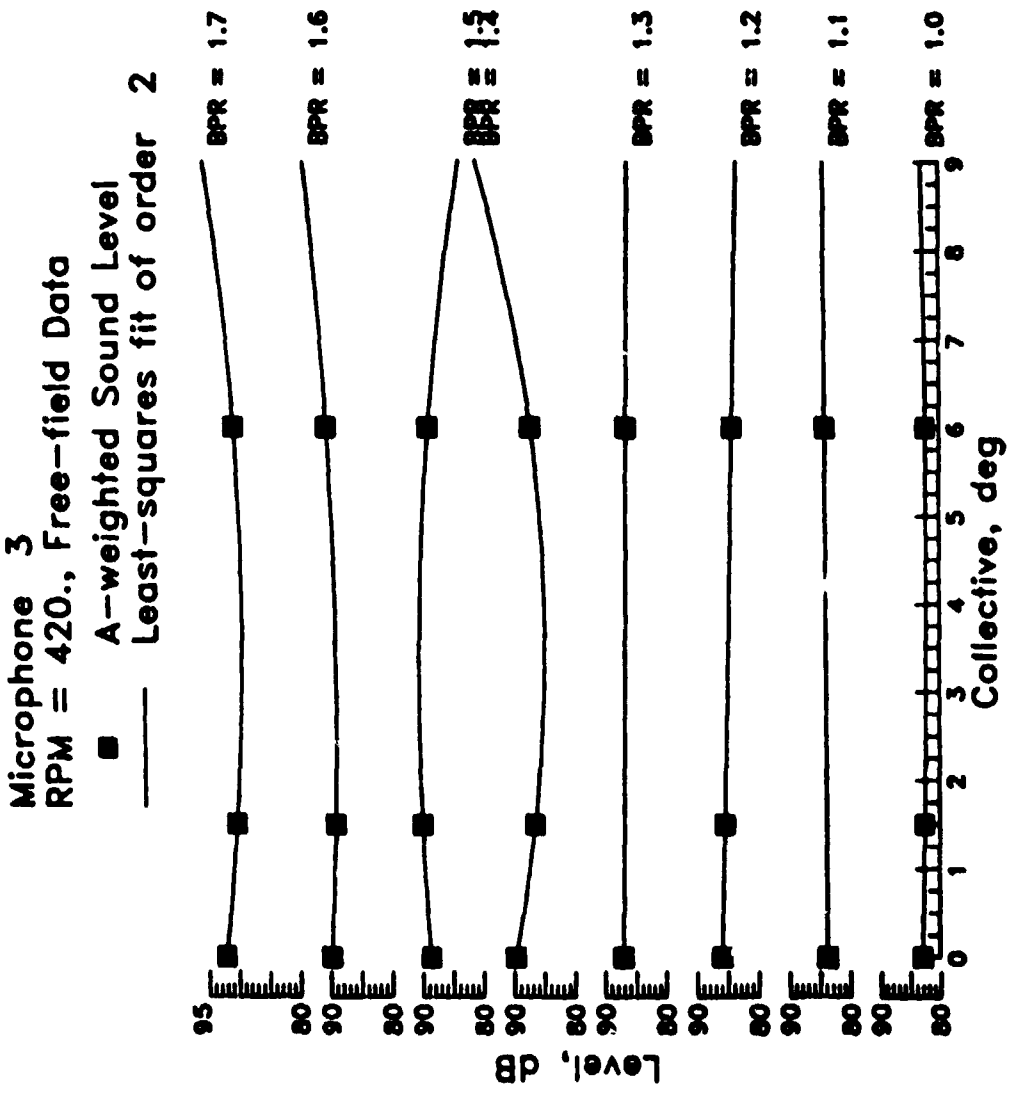
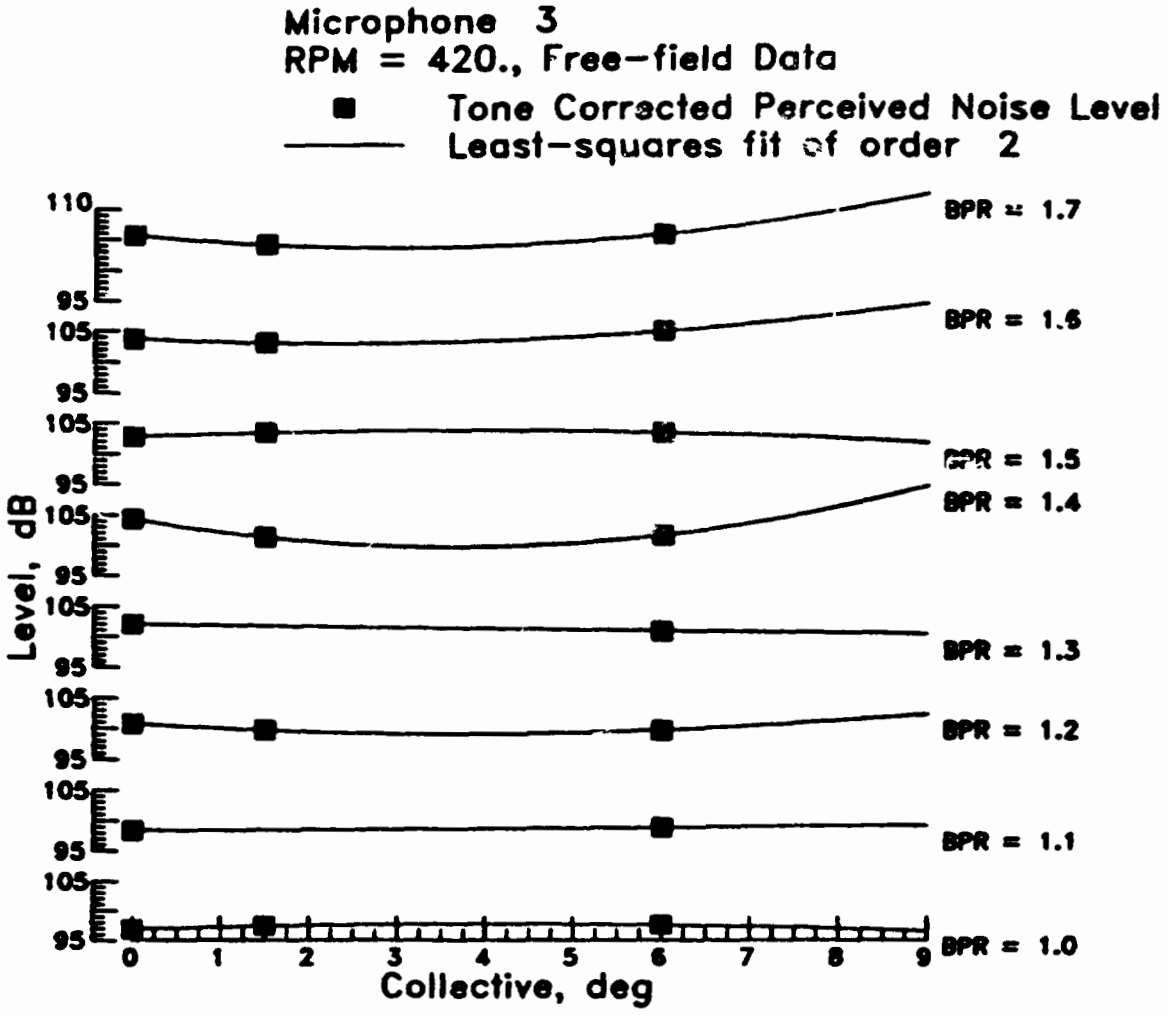


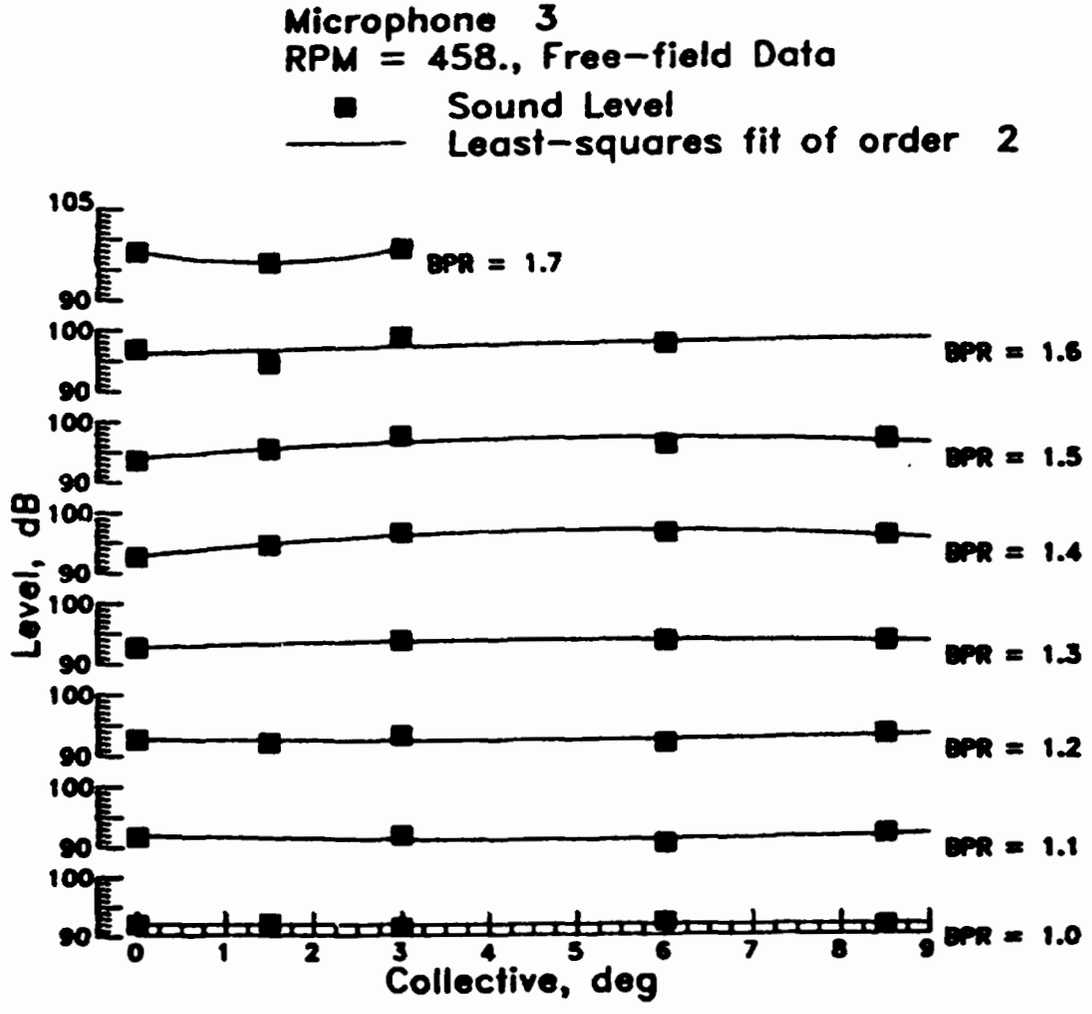
(b) A-weighted results.

Figure 12.- Continued.



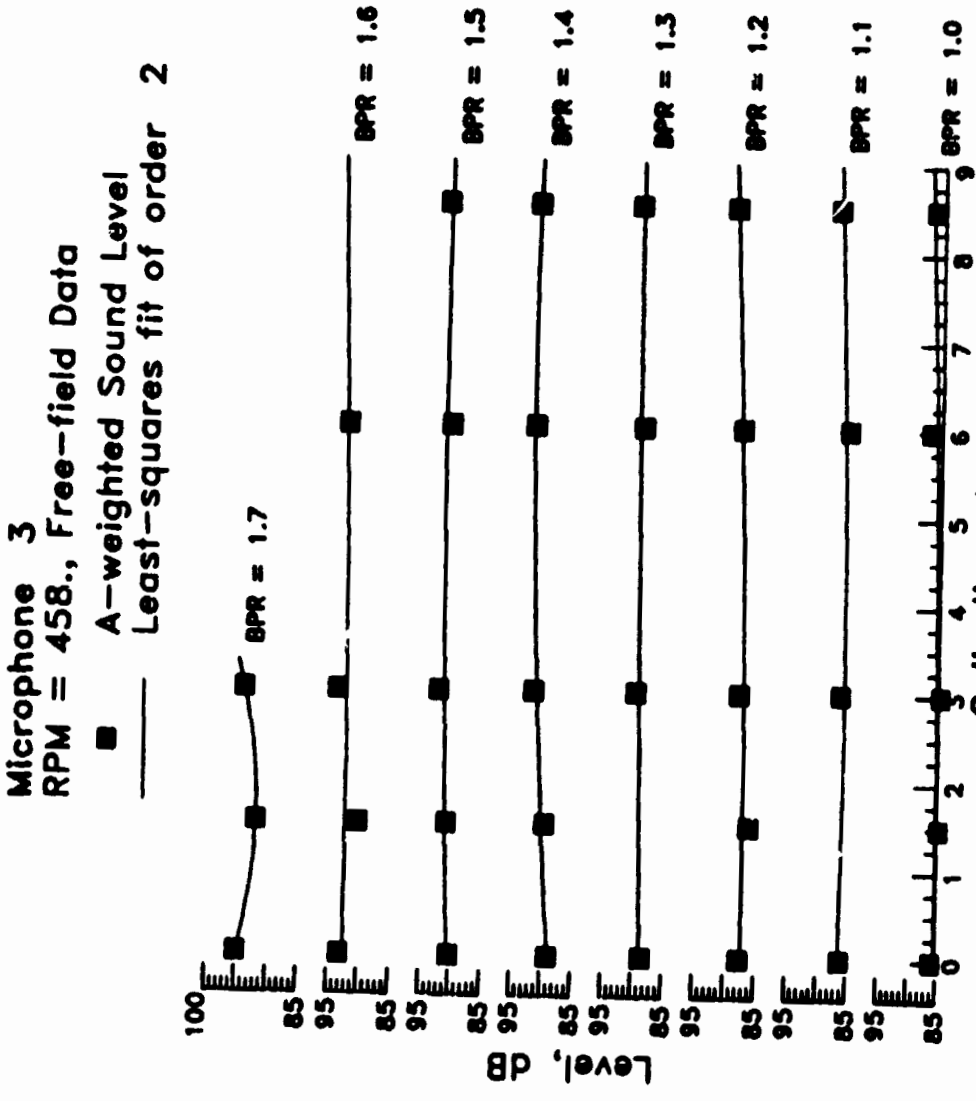
(c) PNLT results.

Figure 12.- Concluded.



(a) Overall results.

Figure 13.- Collective trend curves for 458 rpm.



(b) A-weighted results.

Figure 13.- Continued.

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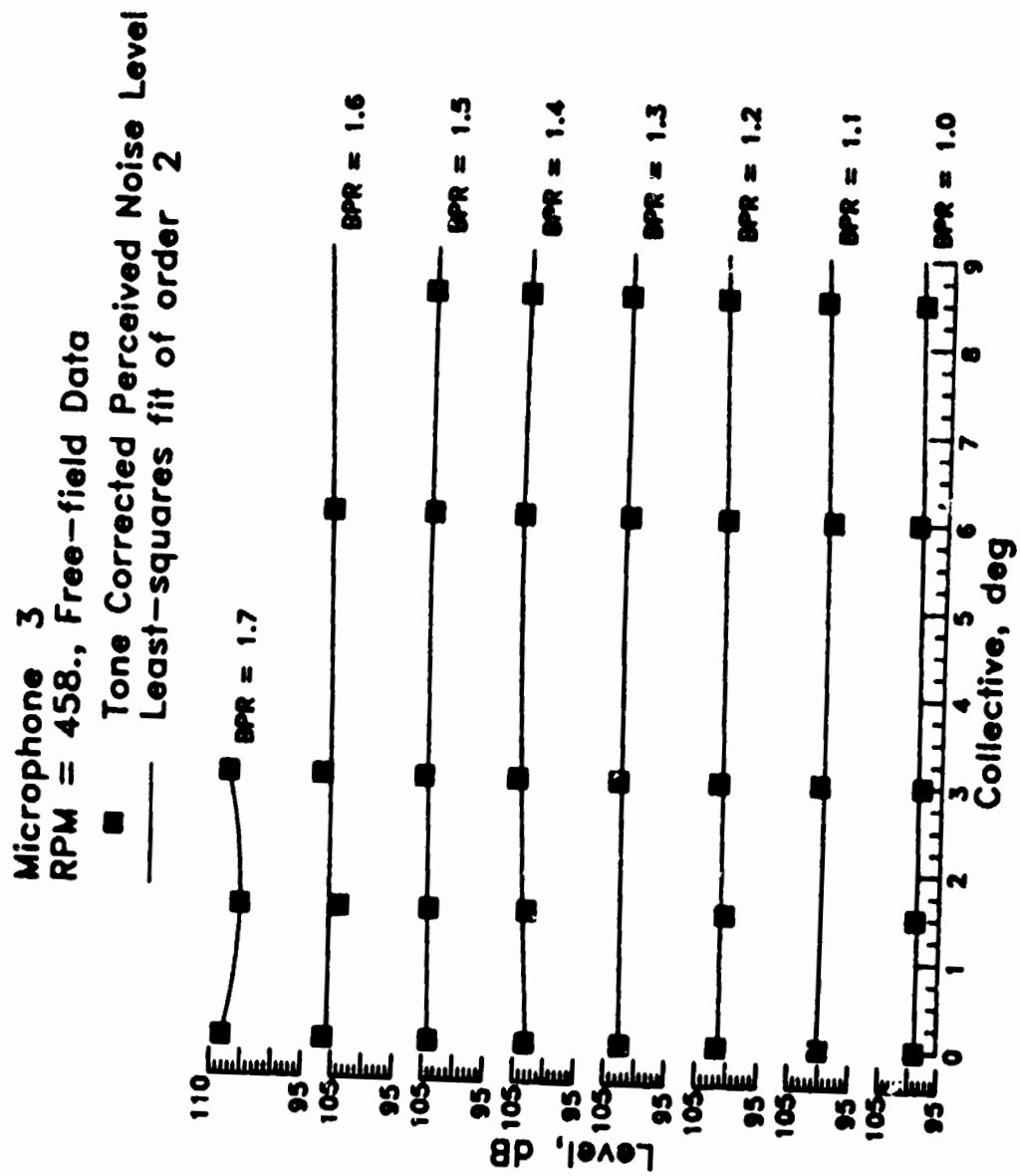

(c) PNLT results.

Figure 13.- Concluded.

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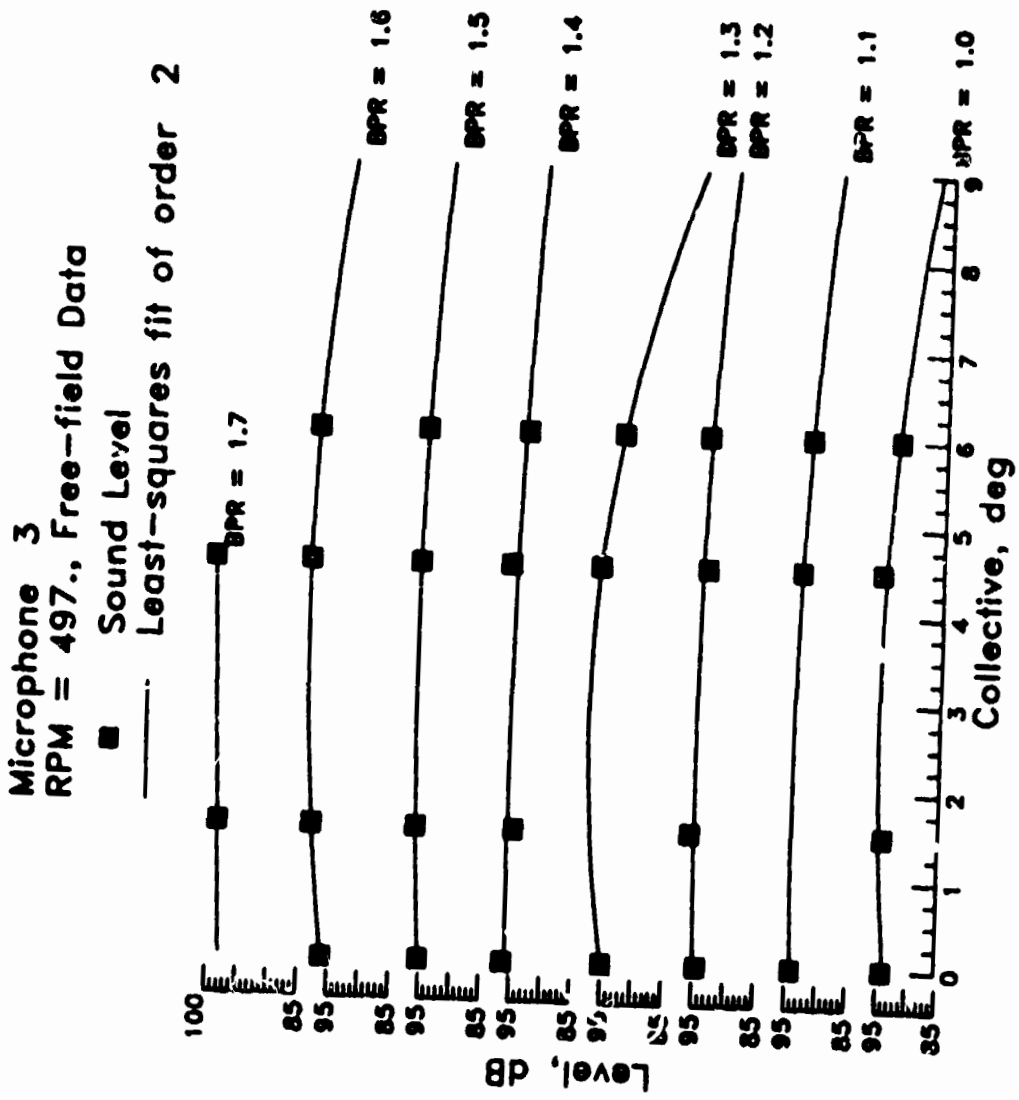
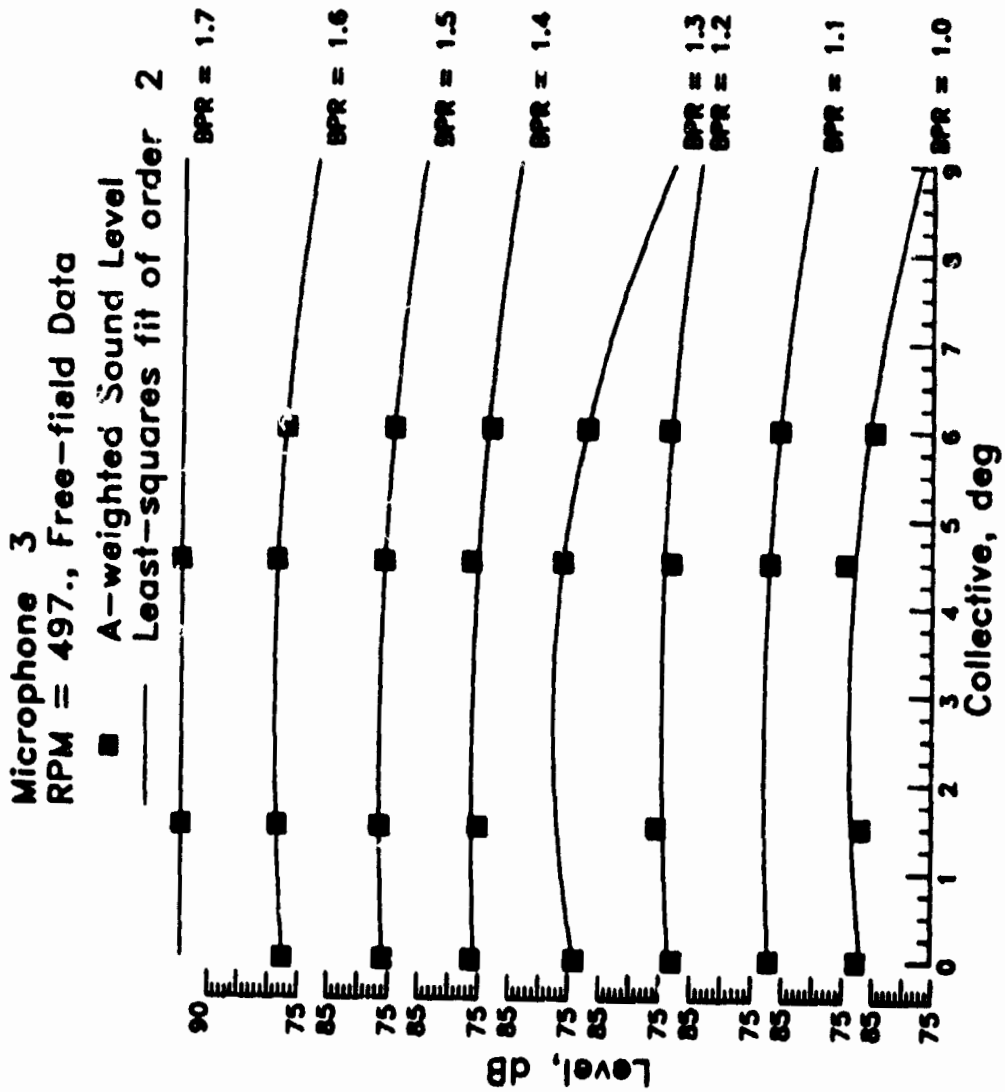


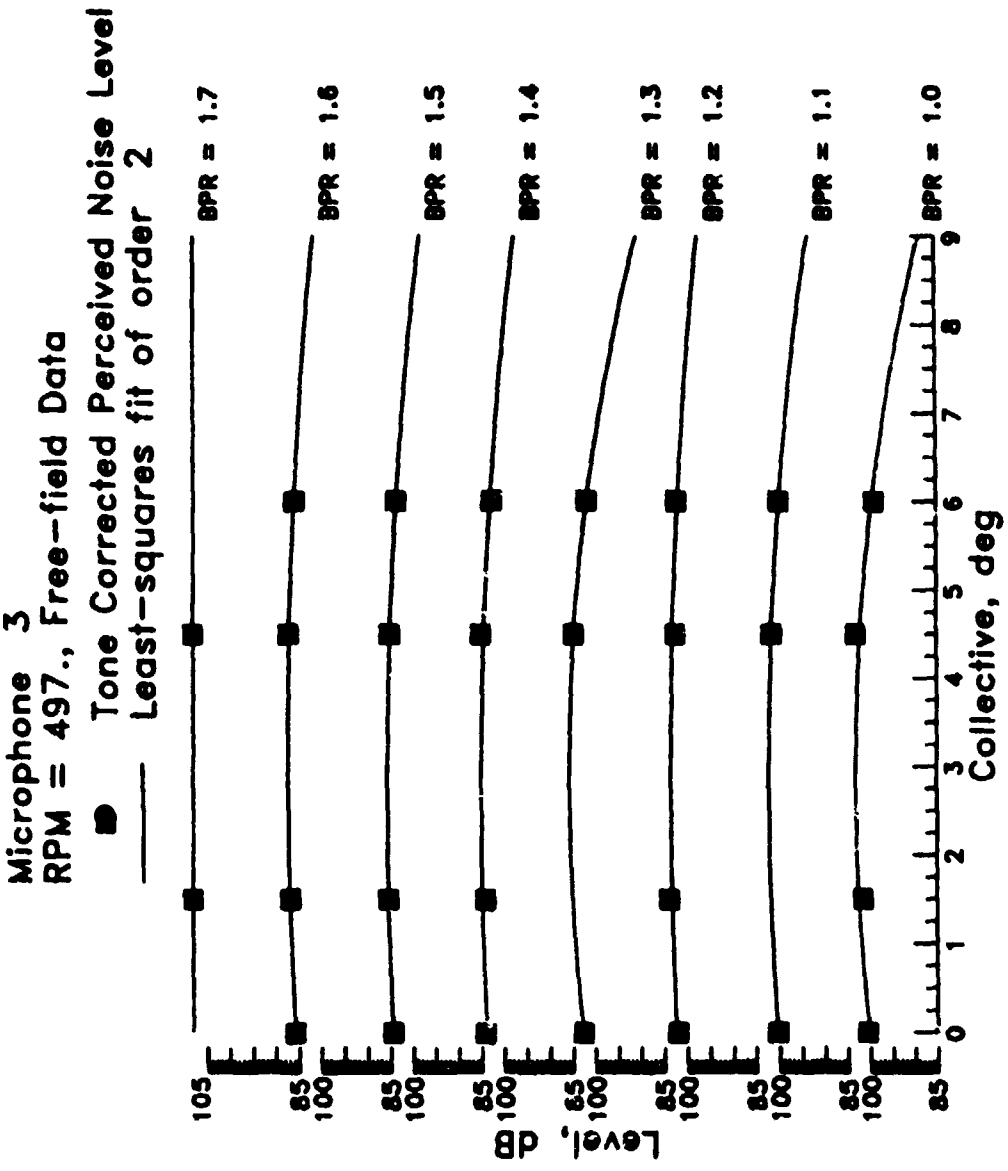
(a) Overall results.

Figure 14.- Collective trend curves for 497 rpm.



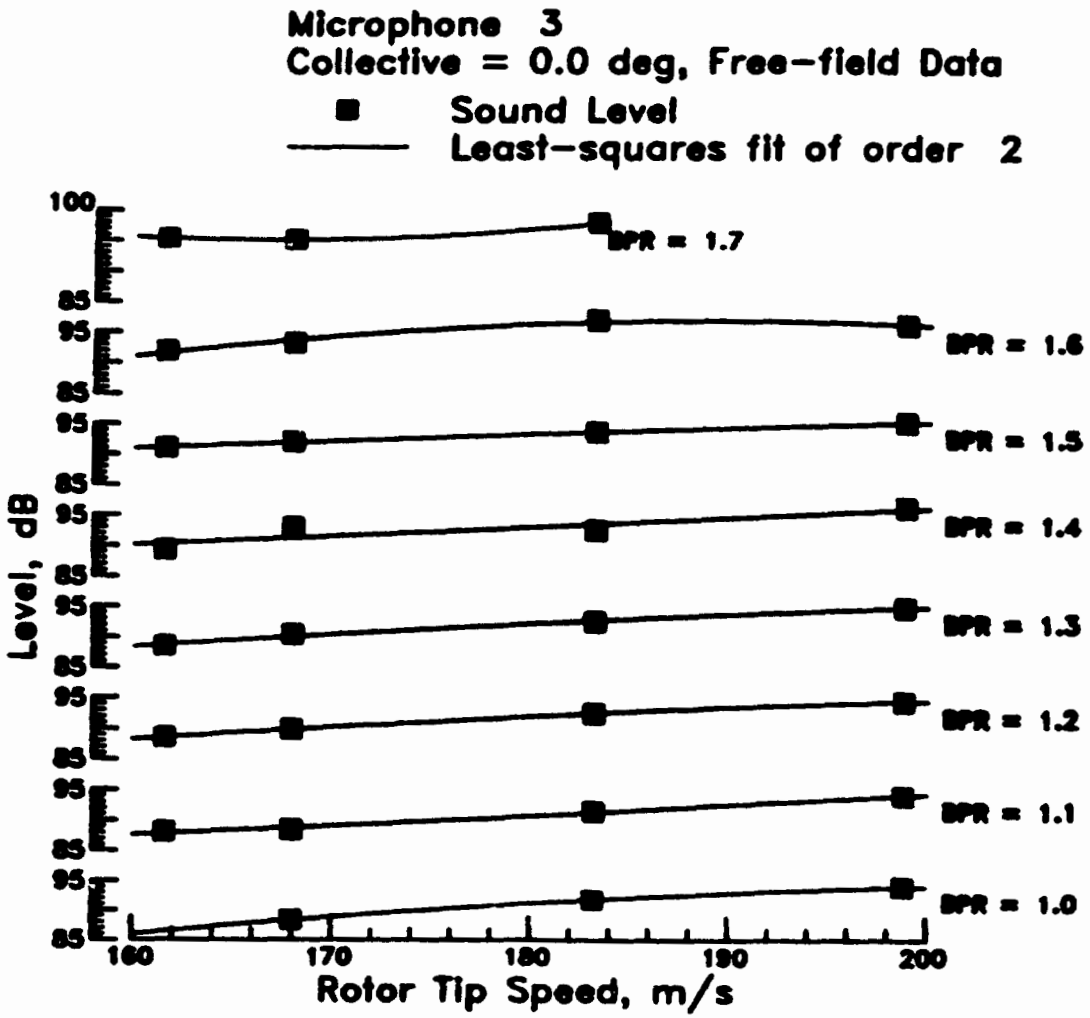
(b) A-weighted results.

Figure 14.- Continued.



(c) PNLT results.

Figure 14.- Concluded.



(a) Overall results.

Figure 15.- Rotor tip speed trend curves for 0 deg. collective.

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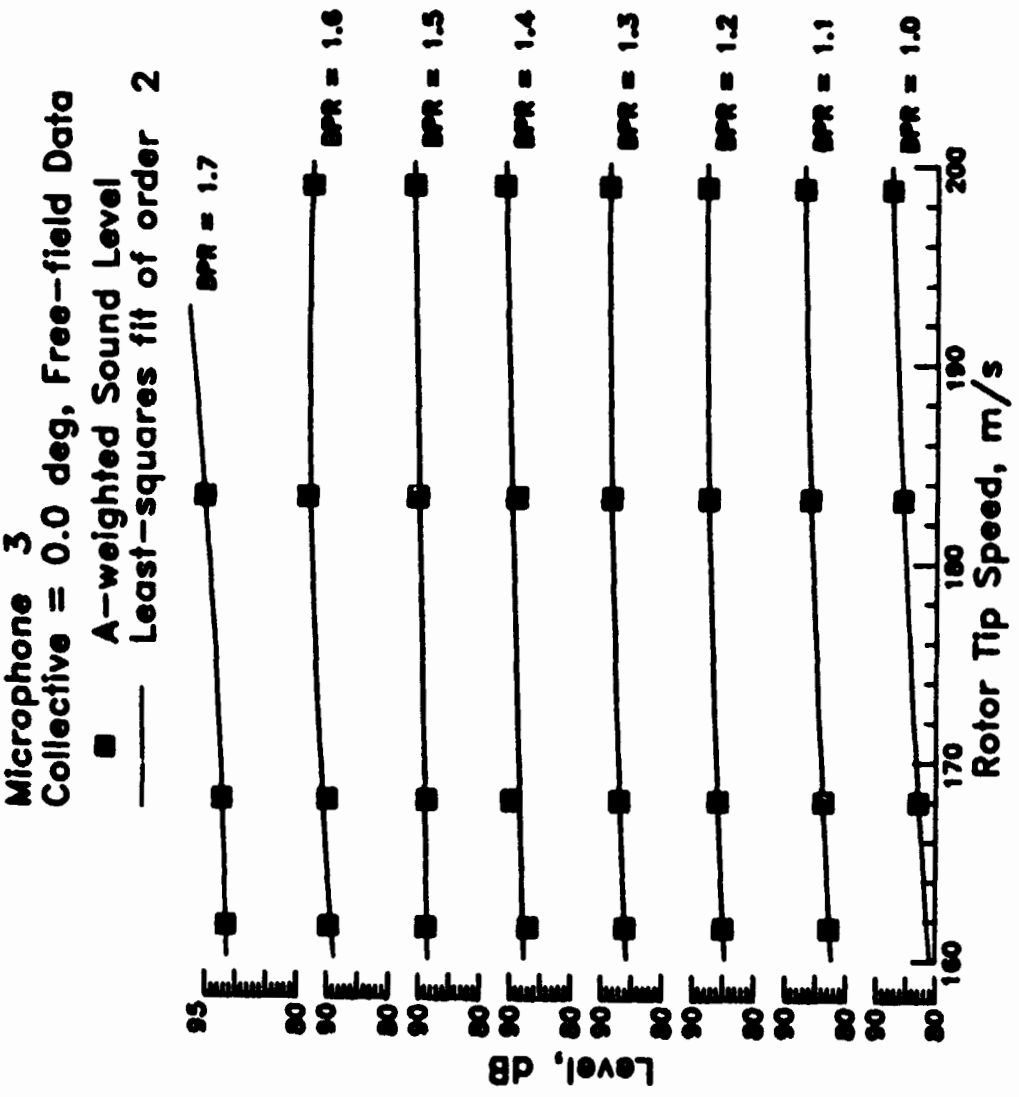
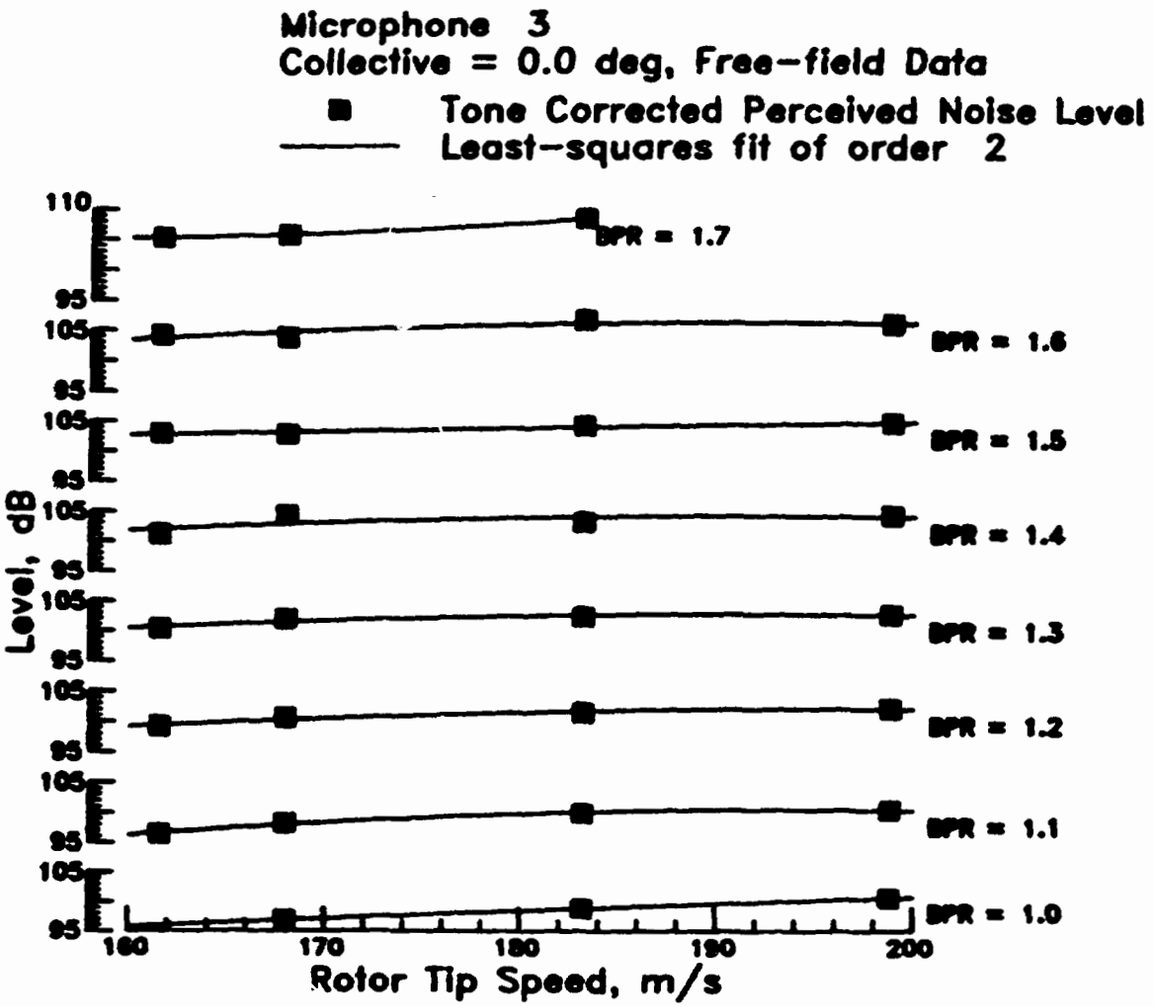


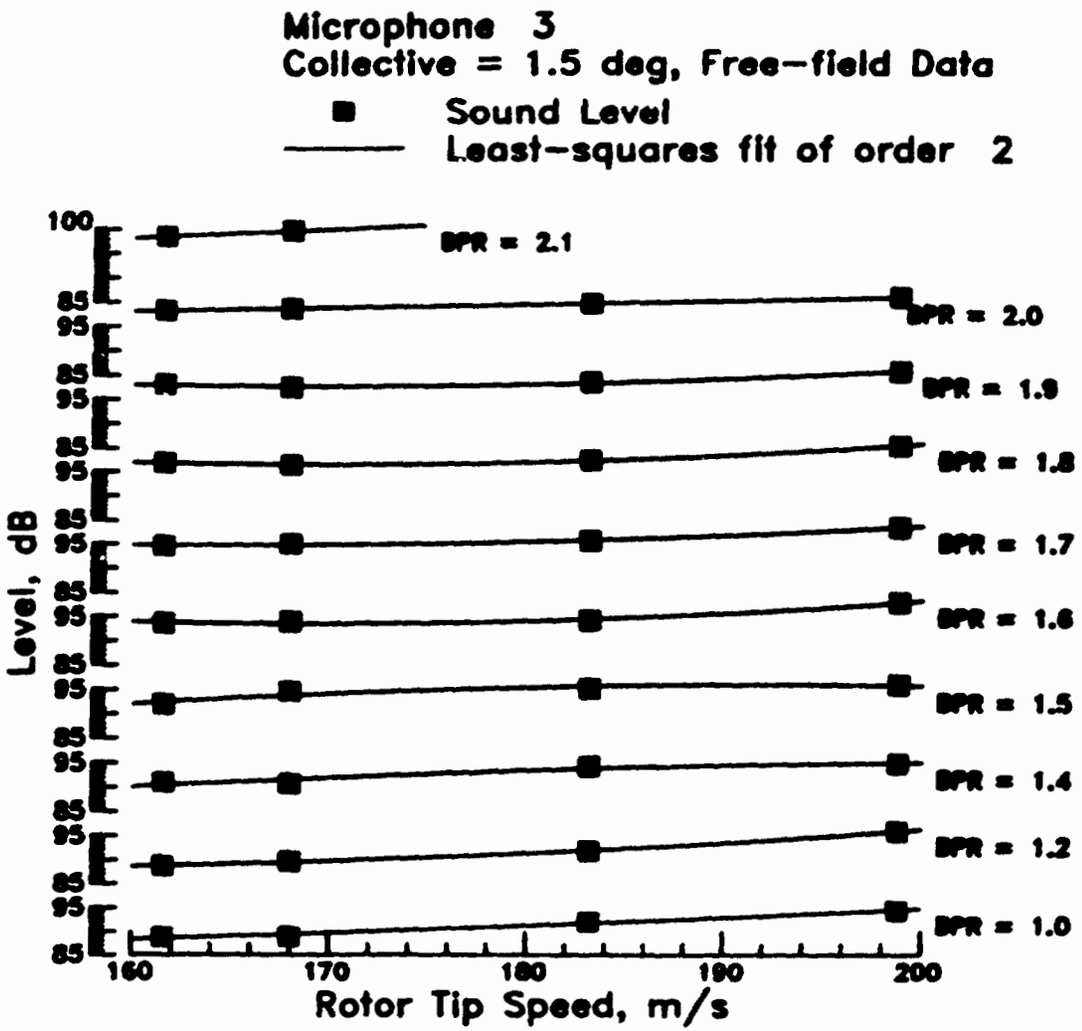
(b) A-weighted results.

Figure 15.- Continued.



(c) PNLT results.

Figure 15.- Concluded.



(a) Overall results.

Figure 16.- Rotor tip speed trend curves for 1.5 deg. collective.

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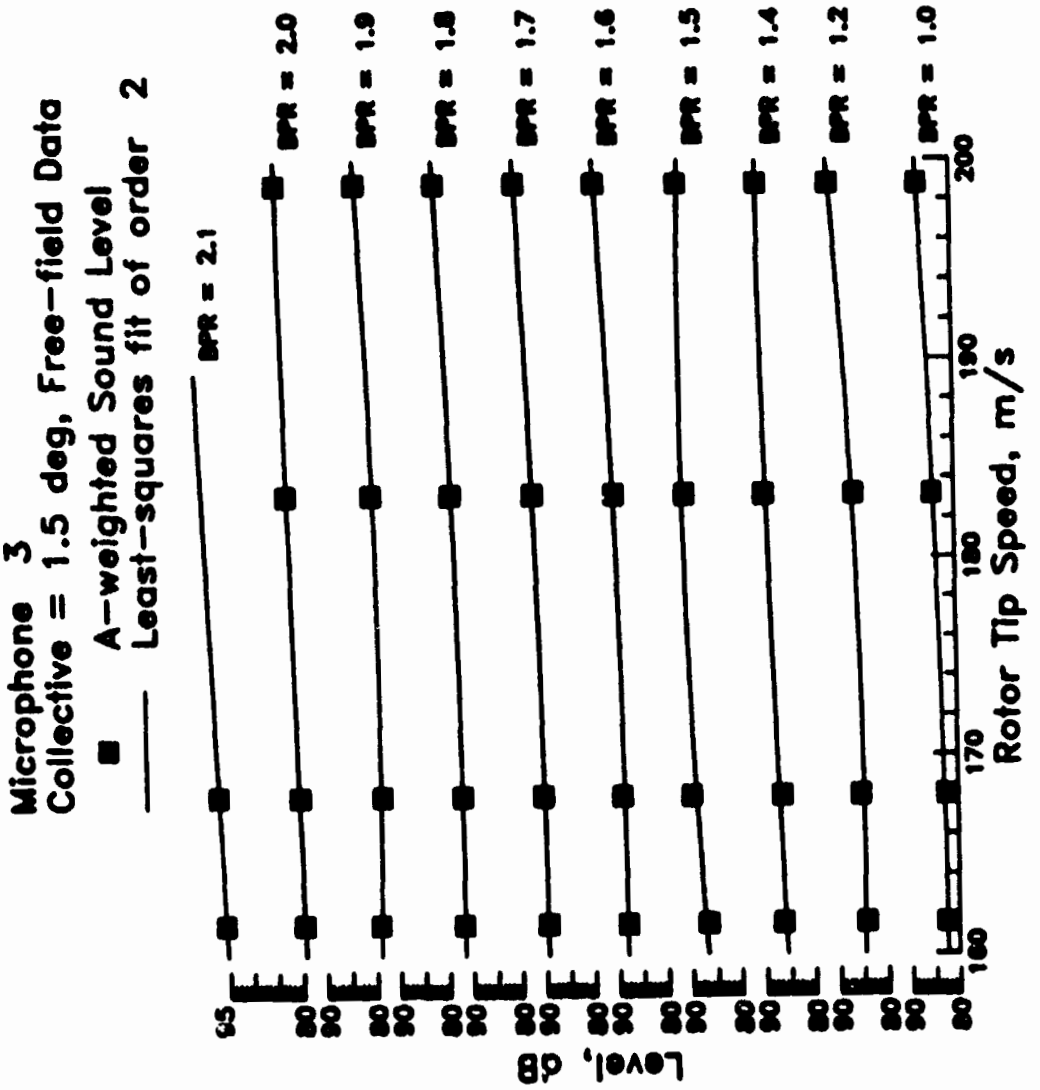
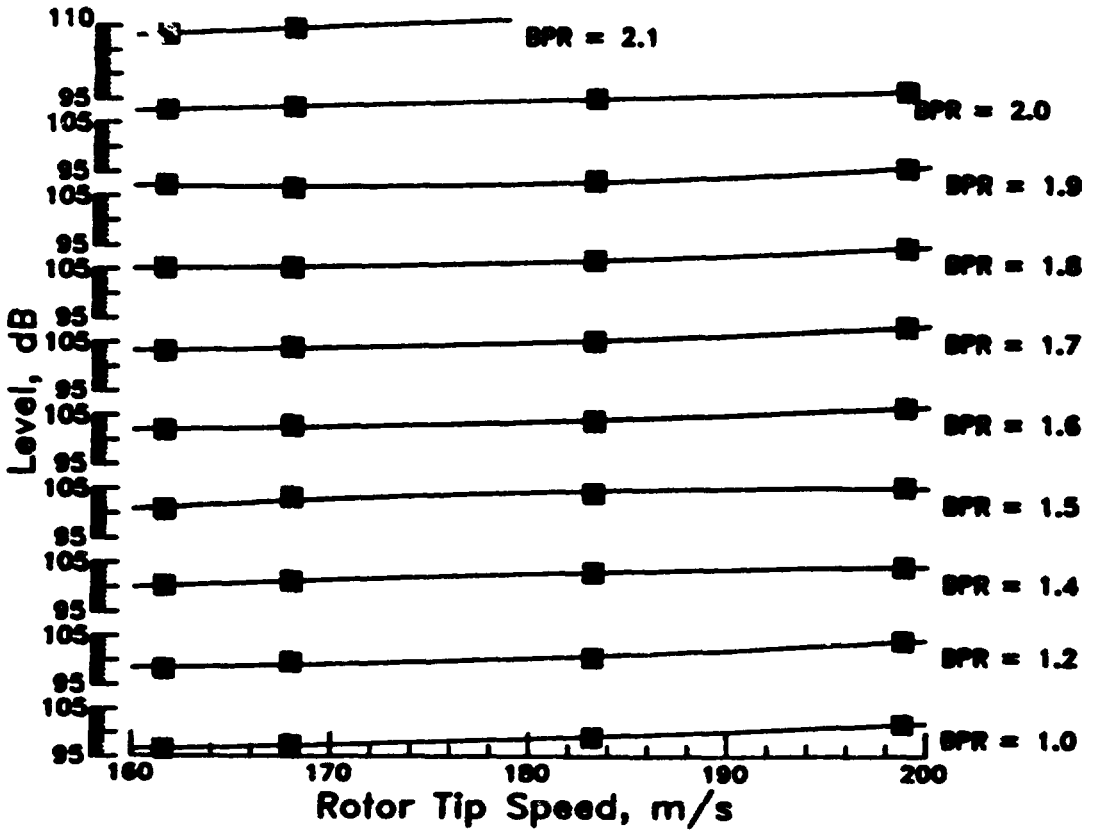


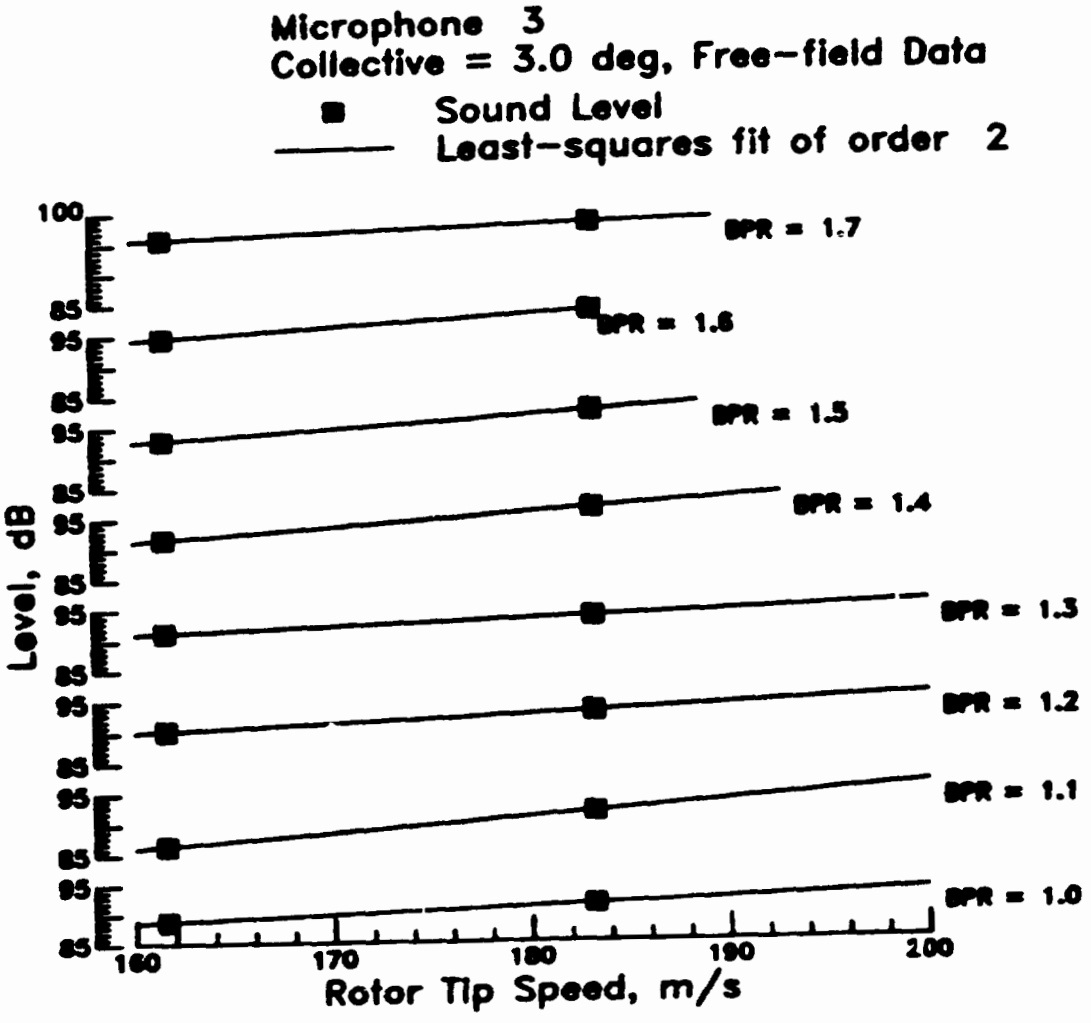
(b) A-weighted results.

Figure 16.- Continued.



(c) PNLT results.

Figure 16.- Concluded.



(a) Overall results.

Figure 17.- Rotor tip speed trend curves for 3 deg. collective.

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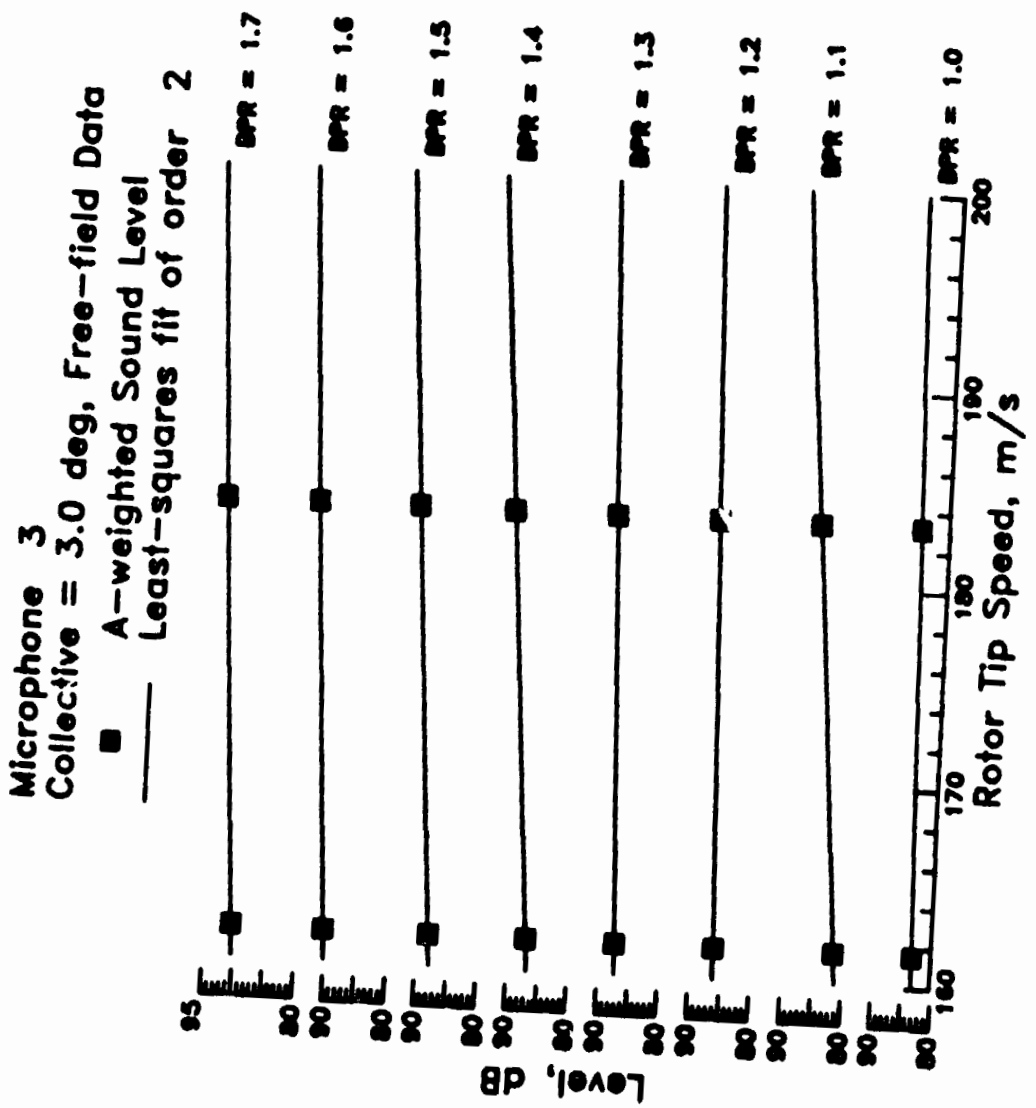

(b) A-weighted results.

Figure 17.- Continued.

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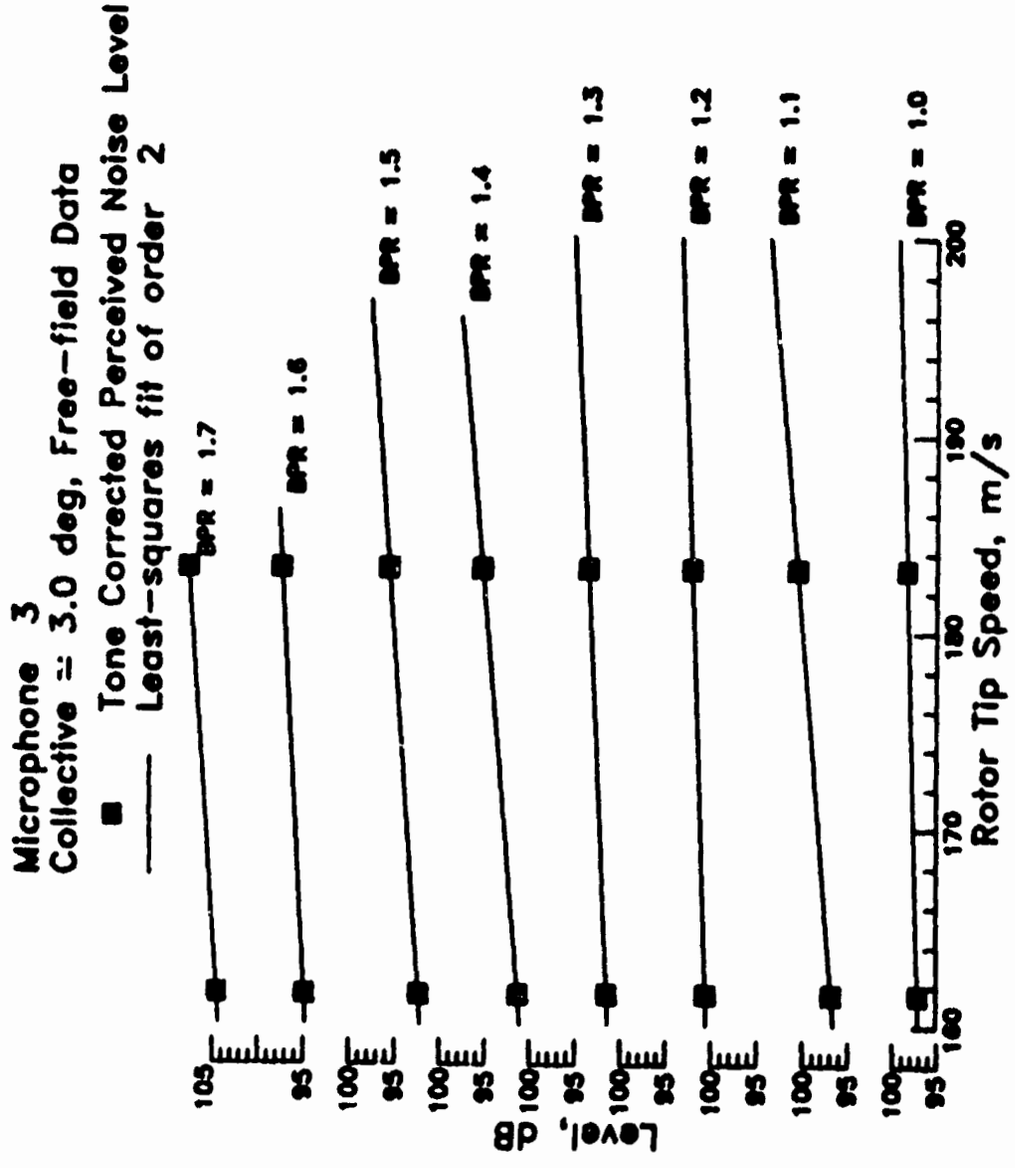
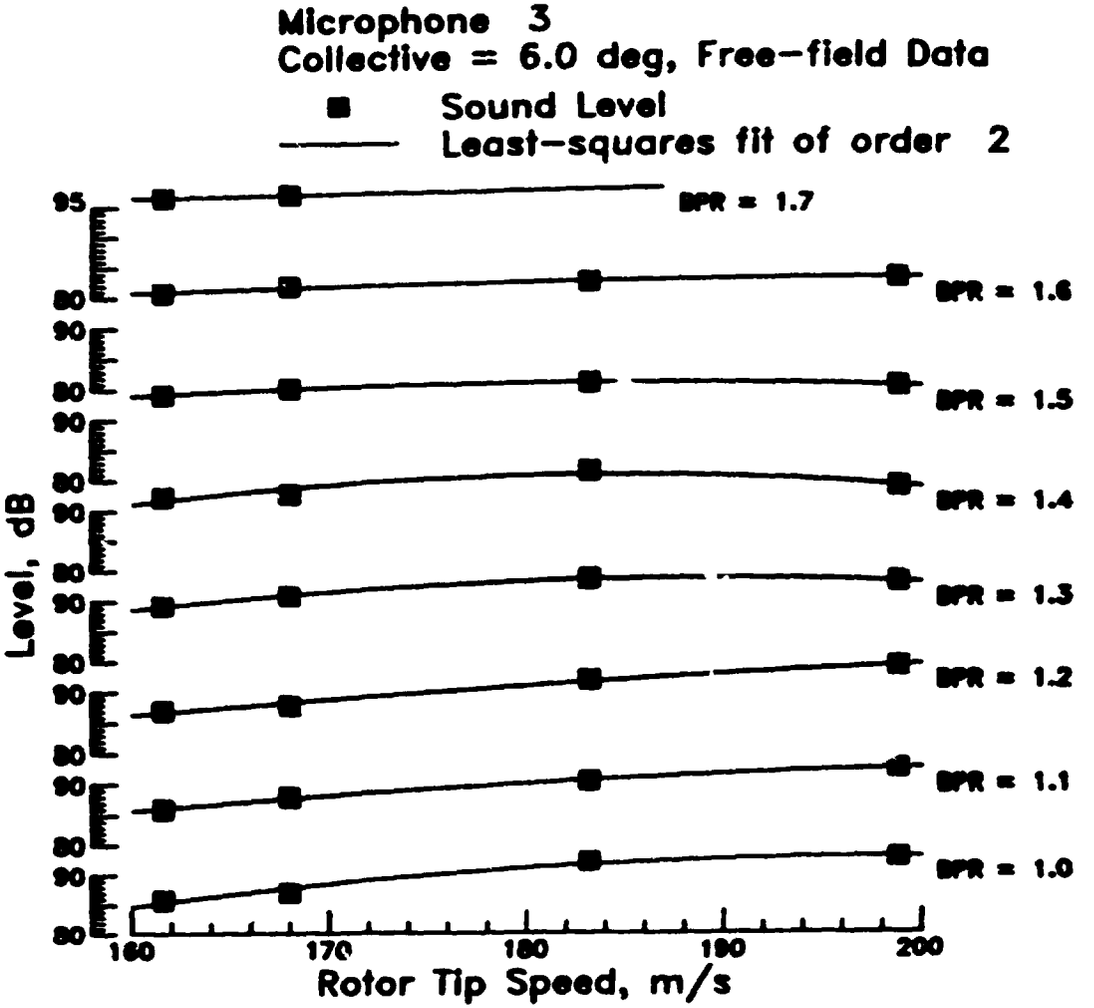


(c) PNLT results.

Figure 17.- Concluded.



(a) Overall results.

Figure 18.- Rotor tip speed trend curves for 6 deg. collective.

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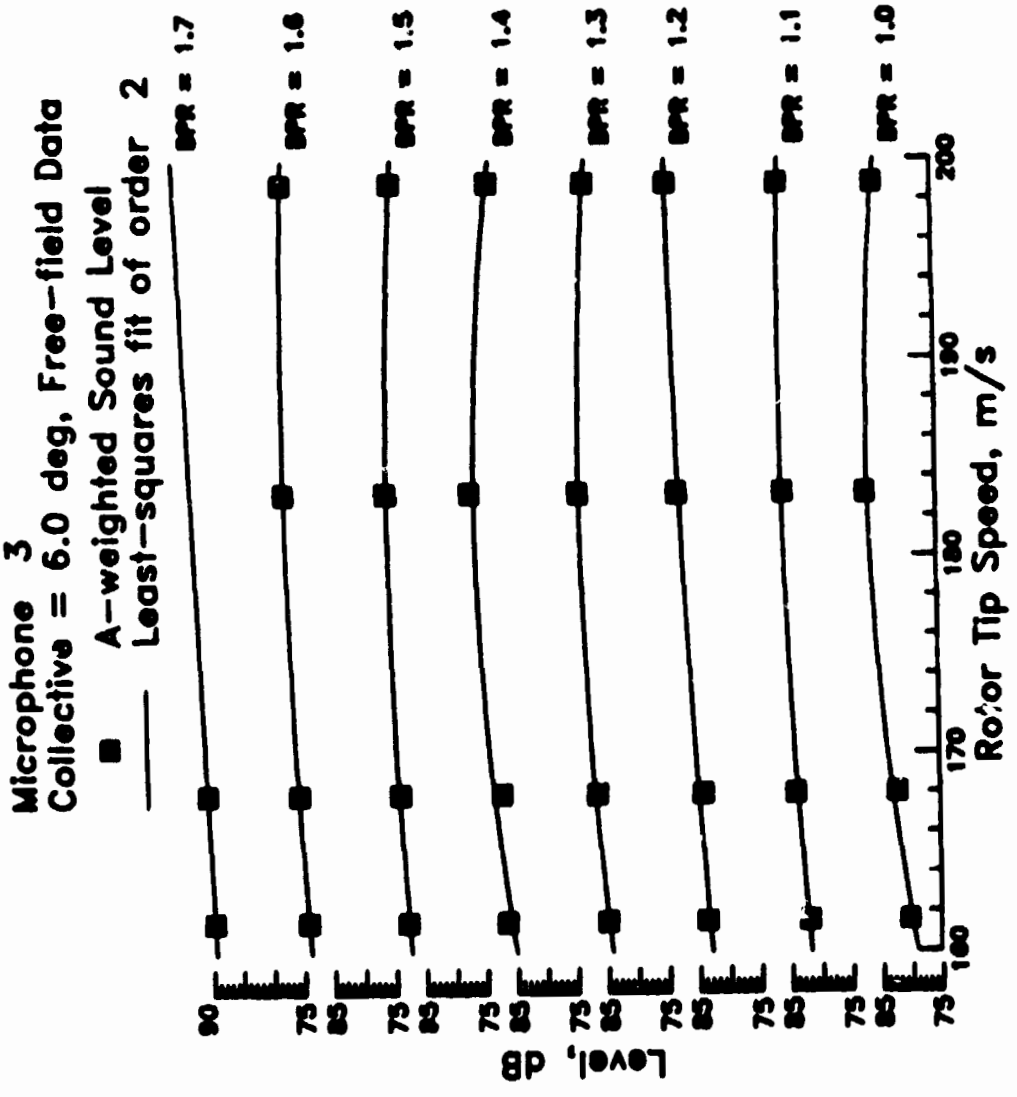
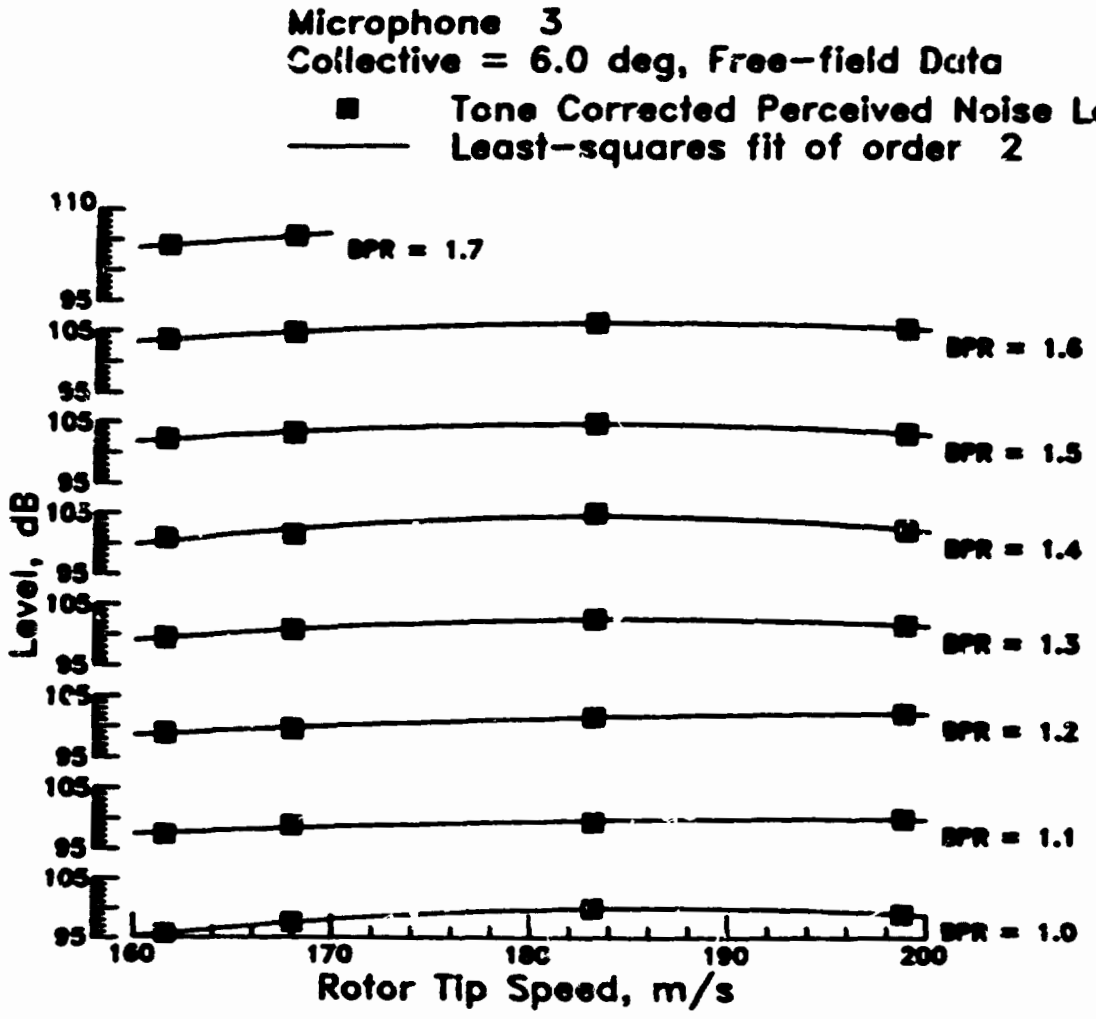


(b) A-weighted results.

Figure 18.- Continued.



(c) PNLT results.

Figure 18.- Concluded.

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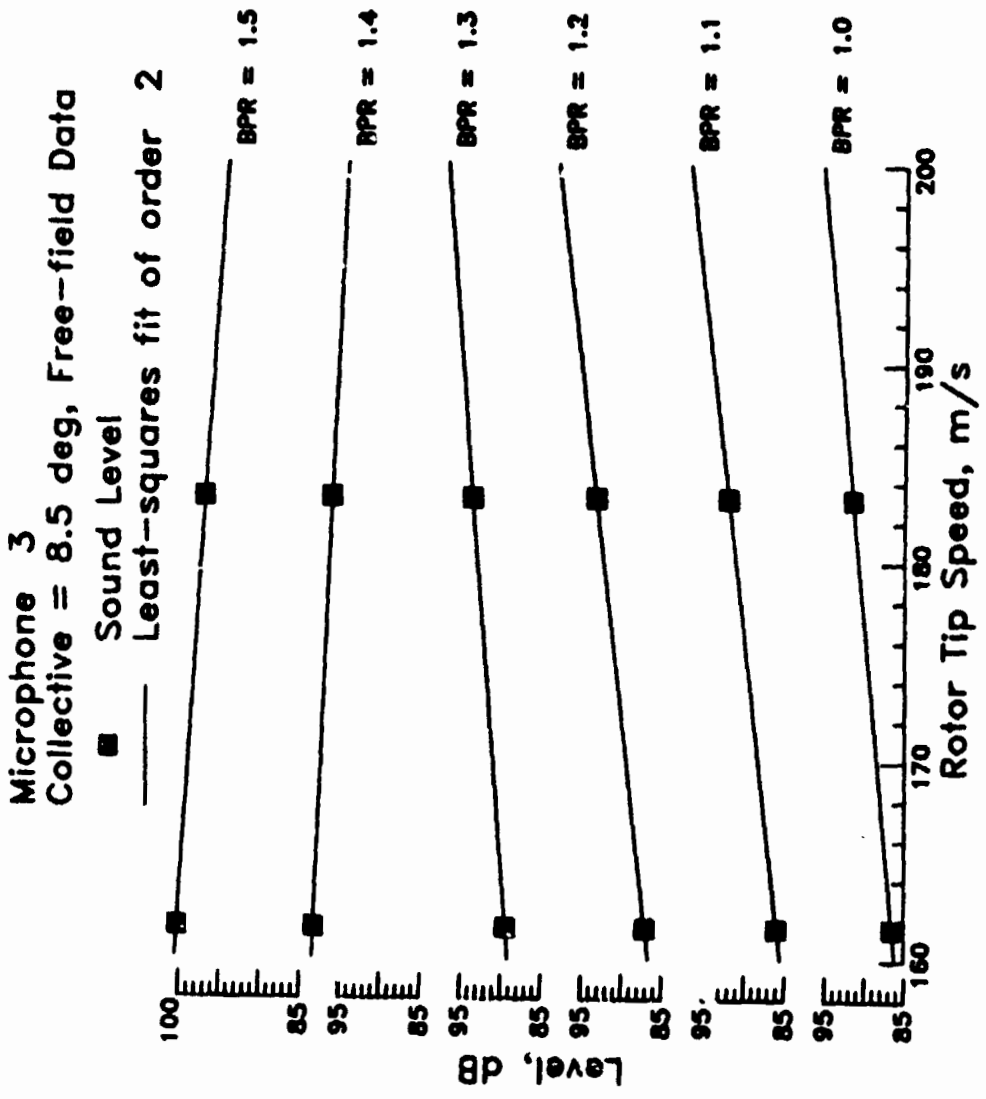

(a) Overall results.

Figure 19.- Rotor tip speed trend curves for 8.5 deg. collective.

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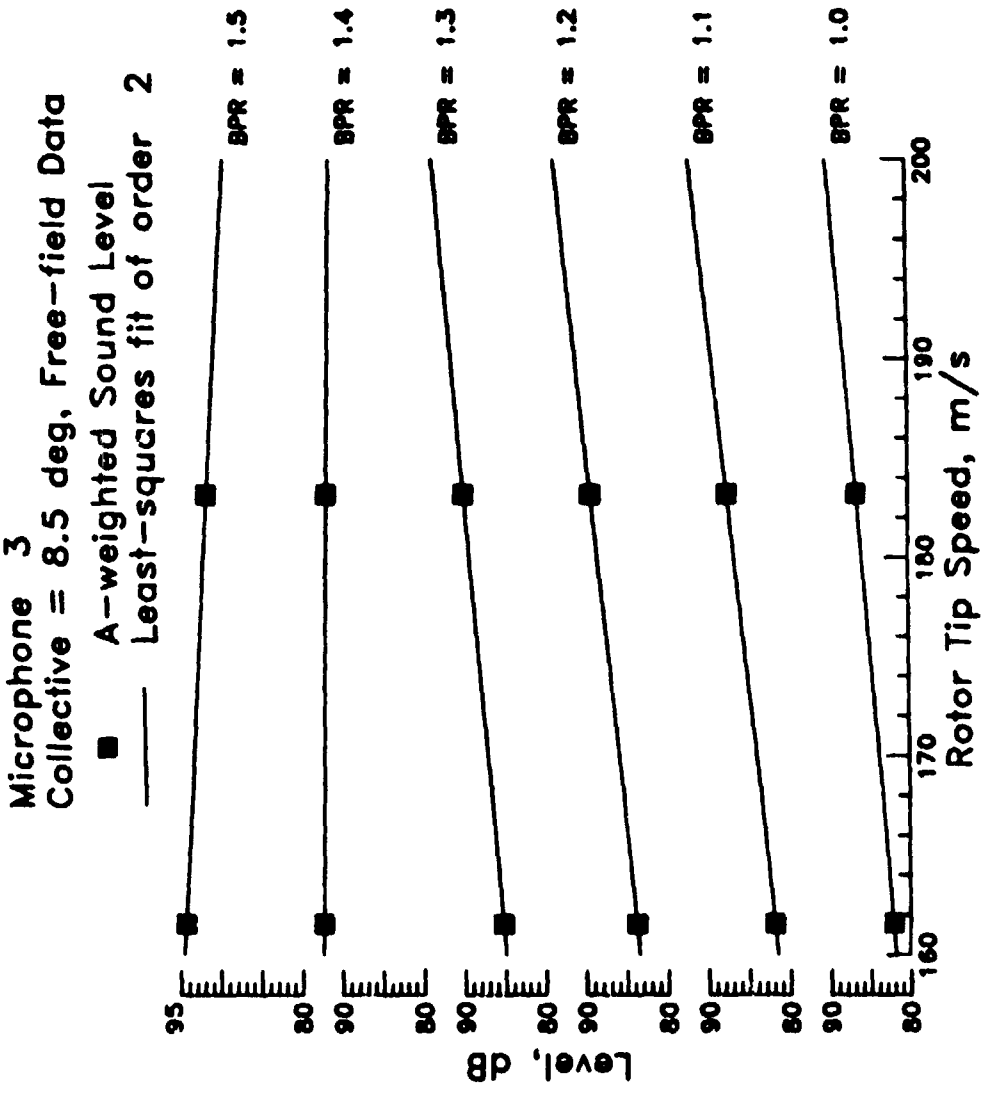
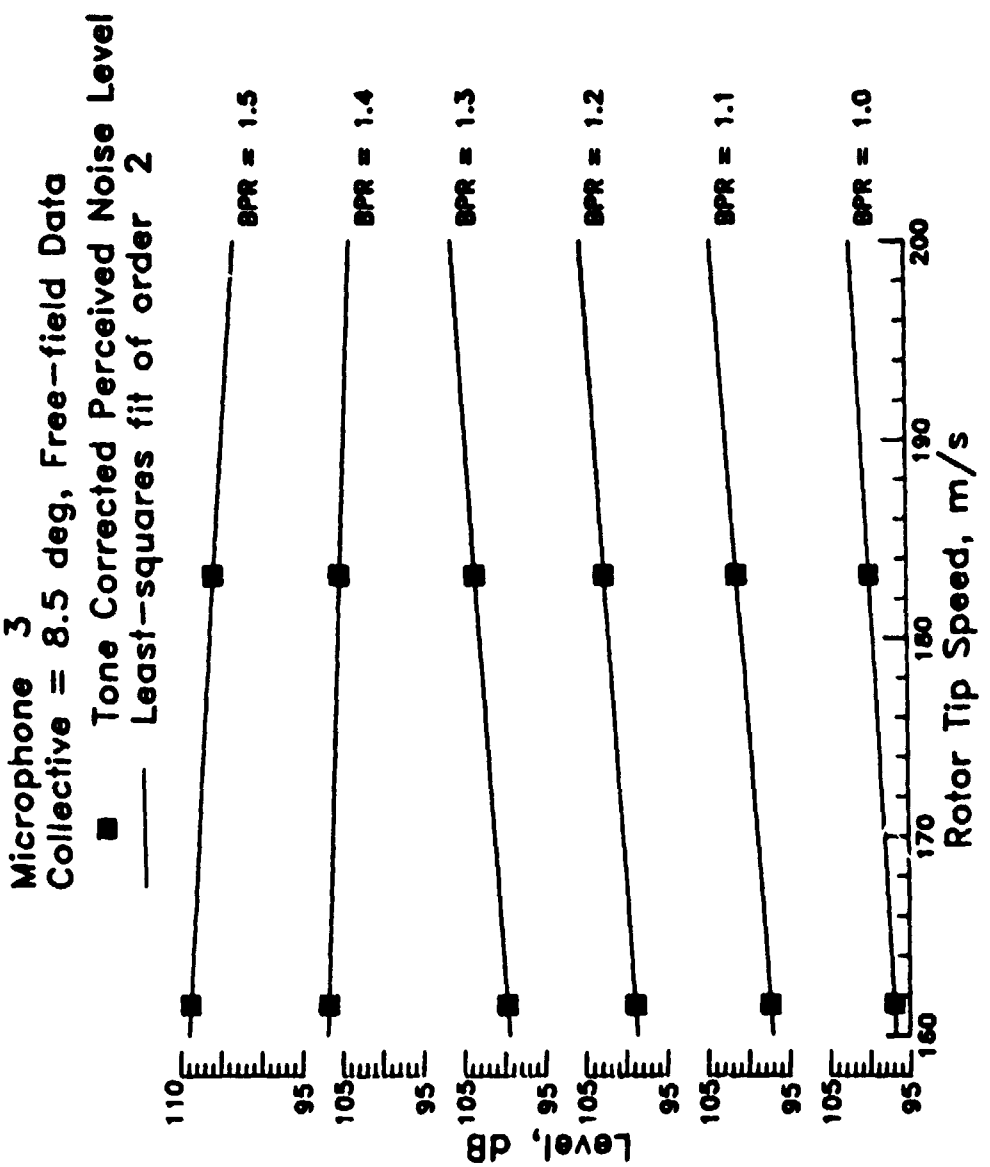


(b) A-weighted results.

Figure 19.- Continued.



(c) PNLT results.

Figure 19.- Concluded.

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2. Healy, Jerry: X-Wing Noise Measurement Program. Final Report DARPA Contract MDS 903-81-C-0395, Sept. 1982.

3. Oliva, Dean J.: Data Compilation for 25-Foot Diameter X-Wing Module Whirl Test. Final Report DARPA Contract DTNSRDC-ASED CR-2-82, Book 1 and 2, August 1982.

4. Willshire, William L., and Nystrom, P. A.: Investigation of Effects of Microphone Position and Orientation on Near-Ground Noise Measurements, NASA TP-2004, 1982.

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APPENDIX

RPM = 404., Collective = 0.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	52.1	48.6	46.9	53.5	45.5	68.7	46.2	47.8	56.8	51.4	49.2	84.7
6.3	64.5	63.7	63.7	61.4	58.3	67.2	50.0	62.1	60.6	63.3	55.1	93.4
8	60.9	56.7	56.3	57.7	52.5	68.0	54.4	54.4	57.3	59.8	55.8	89.8
10	66.2	63.2	61.6	62.3	57.9	68.9	62.9	60.1	63.7	64.8	56.2	86.6
12.5	68.8	64.8	63.7	64.2	60.4	66.3	64.3	64.2	64.5	68.5	61.3	89.0
16	64.7	63.8	61.1	62.4	58.4	64.0	60.2	59.8	63.1	65.9	61.8	86.6
20	70.4	68.2	65.8	65.9	61.1	63.4	65.4	67.1	70.0	72.3	64.4	89.1
25	96.7	92.7	89.2	87.5	75.4	70.6	84.2	85.3	89.0	93.8	91.2	106.4
32	87.4	83.2	80.0	78.1	66.6	62.9	76.8	76.3	80.5	84.3	81.6	97.5
40	79.2	75.7	73.5	72.1	65.2	61.3	68.5	68.3	70.5	71.8	72.6	89.8
50	95.1	92.0	88.5	83.8	81.6	74.8	79.6	84.7	83.9	86.7	83.4	107.4
63	85.9	82.8	79.7	75.0	72.8	65.4	71.2	75.9	76.6	79.1	74.5	98.1
80	89.3	90.6	88.1	80.9	80.9	71.1	81.6	87.9	91.1	94.3	78.8	107.3
100	89.7	87.2	85.2	78.3	74.1	59.9	72.8	80.3	82.4	89.4	83.5	95.1
125	89.9	86.8	82.5	78.4	75.5	64.7	72.0	80.8	84.8	88.5	81.3	93.9
160	87.2	83.6	82.5	72.8	74.0	66.5	72.7	81.2	84.7	84.8	75.4	92.1
200	85.3	82.9	80.9	75.2	70.9	64.2	75.4	78.4	81.6	83.7	76.4	94.4
250	84.0	82.2	79.7	74.6	73.2	65.1	72.2	77.1	80.3	82.6	75.9	96.2
320	85.0	82.6	80.3	72.4	72.1	64.6	71.7	79.4	81.9	84.0	77.3	96.0
400	85.1	82.3	80.1	75.4	69.0	61.7	70.4	79.5	82.2	84.0	78.1	95.7
500	84.4	81.3	79.1	72.2	71.2	64.3	72.0	79.2	81.8	84.0	78.0	96.3
630	84.3	81.6	78.9	74.3	72.1	65.6	78.4	82.2	82.1	84.3	78.0	96.2
800	83.2	81.5	78.7	73.6	71.0	66.2	73.9	78.7	81.7	82.8	77.9	96.9
1.0k	81.9	79.6	77.7	72.4	69.4	65.2	73.7	78.1	80.9	81.8	75.8	93.5
1.25k	81.7	78.6	77.2	72.6	69.8	64.9	73.4	78.1	80.4	81.0	76.7	92.4
1.6k	79.6	77.2	76.7	72.4	69.7	63.3	72.1	76.4	78.5	78.7	74.5	91.4
2.0k	76.6	74.8	73.8	71.2	68.5	61.8	70.2	74.5	76.4	76.2	73.2	89.5
2.5k	78.2	76.3	74.6	72.9	71.9	63.6	71.6	73.5	76.3	75.3	77.6	96.2
3.2k	77.1	74.9	72.7	71.0	69.5	62.9	70.6	72.4	75.5	74.7	76.0	95.8
4.0k	73.9	72.4	69.5	66.0	64.6	58.3	65.7	69.3	72.1	71.8	72.1	92.7
5.0k	74.7	73.3	70.1	66.3	64.3	59.1	65.2	71.0	72.5	70.9	73.2	93.2
6.3k	72.0	70.6	68.3	63.1	61.7	54.9	61.8	68.1	69.9	65.8	70.3	87.5
8.0k	72.8	69.0	68.1	62.5	59.7	52.9	62.9	67.6	68.7	61.7	69.8	87.5
10.0k	71.2	64.9	64.2	58.5	56.2	48.2	55.5	63.2	63.6	61.8	66.9	84.2
12.5k	69.6	59.6	58.8	54.1	50.5	41.5	48.7	58.5	58.8	64.6	63.4	82.2
16.0k	67.6	54.7	51.9	52.2	43.1	34.5	43.9	53.1	56.8	62.2	58.9	79.7
20.0k	58.3	47.6	45.6	49.7	34.8	30.5	36.4	49.0	56.8	53.9	52.9	76.3
PNLT	105.7	103.5	101.4	97.9	95.5	88.6	98.1	101.7	103.1	103.6	101.6	121.6
LA	91.9	89.5	87.5	83.1	80.8	74.6	83.4	87.8	90.0	91.0	87.2	105.5
SPL	101.7	98.9	96.1	91.7	87.6	81.6	92.4	94.2	96.8	100.0	94.6	113.6

RPM = 404., Collective = 0.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	60.6	54.0	54.8	52.5	44.4	69.7	44.5	47.4	57.3	58.9	46.9	87.6
6.3	63.9	65.4	65.9	61.2	58.3	69.8	63.9	64.5	64.0	66.8	62.1	99.8
8	63.2	58.4	59.6	55.7	52.2	72.0	56.2	56.7	59.1	62.8	57.1	95.7
10	67.0	63.4	62.2	62.3	57.7	69.2	62.4	60.1	64.5	65.8	56.8	92.7
12.5	76.7	73.1	68.4	67.8	63.6	68.5	75.0	75.4	78.7	79.4	71.9	100.4
16	69.7	67.1	62.7	61.8	58.1	65.4	64.6	66.8	70.4	71.7	64.7	96.3
20	73.8	68.6	67.2	67.9	63.2	64.3	67.0	68.9	72.4	73.8	64.1	97.7
25	95.0	90.1	84.2	80.1	75.8	71.6	80.8	84.5	87.0	92.1	90.1	104.2
32	86.0	81.2	75.6	71.4	67.2	64.1	75.8	76.0	78.9	83.0	80.8	98.6
40	83.1	79.0	76.3	72.2	69.6	62.3	68.9	71.1	75.0	77.1	72.9	96.7
50	93.2	90.0	86.2	82.2	78.9	70.0	77.4	83.0	85.2	89.0	82.7	103.9
63	85.2	81.8	78.3	74.3	70.9	62.4	70.9	76.1	78.8	81.9	74.0	98.7
80	91.0	91.6	88.5	82.5	80.7	68.2	79.2	86.2	89.5	93.7	79.1	106.6
100	89.0	87.0	85.7	78.7	73.8	60.1	70.8	80.3	81.6	88.8	84.3	96.1
125	89.6	87.3	83.6	80.1	76.3	66.0	72.4	81.0	83.8	87.8	81.4	93.8
160	86.3	84.1	83.0	74.6	75.3	66.6	71.1	81.1	83.9	84.0	75.3	93.0
200	84.3	82.7	80.9	76.3	72.2	65.1	70.6	78.9	81.8	83.7	75.6	94.9
250	83.9	82.6	79.5	75.0	73.5	65.6	72.3	77.0	80.3	82.5	75.8	95.7
320	85.8	84.2	80.5	72.6	73.3	64.2	70.8	78.4	81.0	82.8	76.8	95.0
400	85.6	83.7	80.6	77.1	72.3	60.4	73.4	78.0	80.9	82.9	76.9	93.6
500	84.6	82.4	79.7	72.9	72.1	63.6	71.3	78.3	80.6	82.5	76.6	93.8
630	84.7	82.0	79.7	74.3	72.8	65.1	76.8	81.7	81.2	84.6	77.8	94.8
800	84.0	81.9	79.7	74.5	71.1	66.3	73.4	78.3	81.0	82.7	78.2	95.7
1.0k	83.2	80.5	79.3	73.7	72.3	65.2	73.5	77.9	80.7	82.1	76.7	92.7
1.25k	83.1	80.0	78.8	73.8	70.8	64.7	73.2	77.7	80.1	81.5	77.5	92.1
1.6k	81.9	78.9	78.3	73.6	71.6	63.3	71.4	75.7	78.3	79.5	75.8	91.6
2.0k	78.6	76.4	76.3	72.2	70.1	62.7	69.6	73.8	76.2	76.5	74.6	90.4
2.5k	79.1	77.1	76.2	73.8	72.8	64.2	71.1	73.5	76.5	76.7	78.1	97.5
3.2k	81.2	78.7	77.0	75.1	73.6	65.7	72.5	74.3	77.6	77.4	78.5	97.6
4.0k	77.8	76.4	74.3	70.0	68.2	60.8	67.8	71.9	74.4	73.8	74.8	93.4
5.0k	78.5	76.4	74.4	69.8	68.2	60.7	67.3	73.3	75.4	73.5	75.7	95.8
6.3k	76.4	74.5	73.3	67.2	66.0	57.5	64.1	70.5	73.1	69.8	73.7	89.7
8.0k	76.8	72.8	73.4	66.7	64.1	56.1	63.4	70.3	71.6	64.9	73.4	90.5
10.0k	75.5	68.8	69.8	62.7	60.8	51.6	58.4	65.9	66.6	65.2	70.6	87.3
12.5k	73.9	63.9	64.7	58.3	55.1	44.9	52.5	61.2	61.6	68.2	67.8	85.0
16.0k	71.2	59.2	59.4	52.5	48.3	37.8	46.3	55.2	56.8	65.3	62.8	82.5
20.0k	62.9	52.6	55.8	52.0	39.9	30.6	39.1	49.7	56.8	56.5	56.3	79.4
PNLT	107.8	105.4	103.6	100.7	98.5	90.4	98.4	122.4	103.9	104.8	102.9	122.5
LA	93.3	90.9	89.2	84.7	82.5	75.2	83.1	87.6	89.9	91.2	88.2	106.1
SPL	101.1	98.5	95.5	90.5	87.7	81.4	89.3	93.5	96.1	99.5	94.2	113.2

RPM = 404., Collective = 0.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	71.1	61.1	58.1	55.3	47.9	70.8	53.2	53.9	60.1	66.7	49.1	88.6
6.3	71.9	66.8	66.1	62.6	60.3	69.8	59.3	59.8	62.6	67.2	60.4	105.3
8	70.2	64.3	61.7	57.6	54.5	70.3	56.5	56.2	61.5	67.9	55.6	97.1
10	72.4	67.1	62.8	61.8	57.2	70.6	63.5	61.5	66.3	71.7	58.0	93.5
12.5	78.7	75.9	67.3	68.5	62.6	69.9	78.5	79.0	81.4	82.8	76.0	107.9
16	73.9	69.8	63.8	62.8	58.1	66.5	69.6	70.1	73.0	75.2	68.2	100.3
20	73.5	69.2	67.6	66.1	62.0	65.3	63.6	64.6	67.9	71.6	64.1	101.0
25	95.0	91.7	87.0	74.4	75.4	73.3	85.2	86.5	87.7	91.6	89.5	104.9
32	86.0	82.7	78.3	67.5	67.0	65.7	76.2	77.8	80.1	82.9	80.3	100.0
40	88.0	83.4	78.8	71.9	74.8	64.0	69.5	70.0	74.9	80.0	72.5	101.5
50	89.3	84.8	78.8	79.6	75.8	66.5	74.8	80.4	85.0	89.5	78.8	103.0
63	83.6	79.6	75.4	73.7	69.3	61.4	71.2	76.6	79.4	82.3	72.6	102.3
80	89.6	88.9	86.3	81.2	77.6	66.6	77.8	85.2	88.0	91.5	76.3	102.1
100	87.4	85.7	83.8	77.5	72.4	60.7	70.8	79.6	81.2	86.1	83.2	98.0
125	87.6	85.7	81.0	77.6	74.6	64.1	71.1	79.7	82.6	86.3	80.3	96.9
160	85.0	81.9	80.3	73.7	73.3	66.4	69.9	80.4	83.6	83.2	74.3	95.9
200	83.2	81.6	80.5	74.9	72.8	64.9	76.1	79.3	82.4	84.1	74.7	96.1
250	82.4	82.1	79.6	73.8	72.6	66.2	72.7	77.5	80.7	82.2	76.2	96.5
320	83.9	82.5	79.9	72.0	72.4	64.4	70.9	78.3	81.2	82.3	77.1	96.3
400	83.7	82.2	79.9	76.6	69.5	60.5	73.9	78.4	81.0	82.5	76.6	94.9
500	83.1	80.9	79.2	72.4	71.7	63.8	71.4	78.3	80.8	82.0	76.6	94.7
630	83.7	81.3	79.7	74.4	70.6	65.2	76.4	81.2	80.9	84.7	77.8	94.9
800	82.8	81.4	79.7	74.7	71.3	66.2	73.7	78.6	81.3	82.6	77.8	95.0
1.0k	82.4	80.1	78.9	74.4	70.6	65.5	73.9	78.2	80.9	82.2	77.1	93.5
1.25k	83.3	79.8	78.8	74.1	71.4	65.3	73.7	78.2	80.6	81.8	78.2	92.9
1.6k	82.3	79.1	78.8	74.1	72.0	64.4	72.2	76.6	79.2	80.3	77.3	92.8
2.0k	79.4	77.4	77.8	73.4	72.1	63.8	70.6	75.0	77.6	77.2	76.7	92.2
2.5k	80.6	78.4	77.8	75.8	75.1	65.5	71.6	75.2	78.1	77.5	79.4	97.1
3.2k	82.4	80.5	78.4	77.1	75.3	66.9	73.6	75.9	79.1	78.2	79.9	98.9
4.0k	79.9	78.5	76.2	72.0	70.3	62.2	69.0	72.8	76.5	75.2	76.1	93.7
5.0k	81.5	79.3	76.6	72.2	70.5	62.1	68.8	75.4	77.7	75.4	77.8	97.1
6.3k	79.6	77.1	75.9	70.0	68.8	59.5	66.1	73.0	75.7	72.0	75.4	91.9
8.0k	79.7	75.4	75.8	69.2	66.8	58.1	65.4	72.8	74.1	67.1	75.1	93.2
10.0k	78.6	71.4	72.4	65.5	63.7	53.8	60.9	68.5	69.4	67.1	72.6	90.0
12.5k	77.2	66.5	67.0	61.0	57.3	47.3	55.1	63.5	64.1	70.4	68.8	88.2
16.0k	74.0	62.2	61.9	54.6	50.2	39.7	48.5	57.1	58.1	67.6	64.6	86.0
20.0k	65.0	54.7	58.8	50.3	40.1	31.1	40.3	50.5	56.8	58.7	57.9	83.0
PNLT	108.2	106.0	104.2	101.7	98.5	91.2	99.0	102.2	105.0	105.1	103.8	123.7
LA	93.5	91.2	89.8	85.7	83.7	76.0	83.7	88.3	90.7	91.5	89.3	106.8
SPL	100.3	97.7	94.7	89.5	87.1	81.9	89.7	93.7	96.1	98.8	93.9	114.9

RPM = 404., Collective = 0.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	76.9	69.3	64.4	57.1	48.1	66.4	50.2	53.8	59.4	73.1	51.7	99.2
6.3	77.8	72.1	62.4	60.5	57.6	68.9	60.4	58.9	61.3	71.9	58.6	111.0
8	77.3	74.2	64.9	55.6	55.0	66.2	59.9	57.6	60.6	71.4	57.4	107.0
10	77.1	75.7	67.5	64.5	59.6	65.5	64.4	62.3	65.8	73.4	60.6	108.2
12.5	82.1	77.5	68.9	67.5	60.5	69.7	77.7	77.8	80.6	82.7	76.1	114.1
16	78.4	73.9	66.2	63.3	58.5	64.9	69.2	68.8	72.1	75.2	68.0	113.2
20	80.1	74.8	69.2	65.6	61.1	61.9	64.6	65.3	68.3	73.0	65.4	115.4
25	97.1	94.9	91.4	83.5	75.2	73.5	87.3	89.4	91.0	94.3	89.9	116.0
32	87.8	85.5	81.8	74.8	66.7	64.3	77.6	79.9	82.2	84.7	80.3	115.6
40	88.5	83.4	79.0	72.9	75.4	65.2	70.8	70.5	75.2	79.7	73.2	116.2
50	90.9	87.6	82.0	80.5	82.0	66.9	74.1	78.2	84.7	90.3	80.9	115.6
63	85.1	81.0	76.3	74.4	73.2	62.1	73.0	78.5	81.1	83.7	74.3	114.1
80	87.3	85.5	84.1	79.9	74.7	65.1	76.5	84.2	86.6	90.4	76.6	113.0
100	84.6	83.1	80.9	74.3	70.6	60.8	70.2	79.4	82.2	86.2	82.1	112.0
125	84.6	82.3	77.1	74.4	71.6	63.4	70.6	79.4	82.9	85.8	78.6	111.9
160	82.9	80.9	79.0	72.6	73.0	65.1	69.6	78.6	82.1	81.2	73.1	111.3
200	82.8	80.5	79.0	74.1	72.6	64.5	75.1	78.4	80.8	82.0	74.1	110.3
250	81.8	81.1	79.4	72.7	70.8	65.3	71.3	75.9	78.6	79.2	75.2	108.7
320	83.0	80.9	79.6	70.8	70.8	65.5	69.6	76.6	79.5	80.1	75.5	108.1
400	83.2	80.9	79.8	75.4	69.0	60.5	72.9	77.3	79.5	80.1	76.2	106.1
500	82.9	80.4	79.6	72.1	71.9	64.7	71.5	78.0	79.9	80.9	76.8	106.1
630	83.8	81.1	80.2	74.4	71.0	66.7	74.8	81.3	80.3	84.5	77.9	103.8
800	83.0	81.8	80.2	75.5	72.5	68.1	75.4	79.3	81.3	81.8	78.5	103.7
1.0k	82.5	80.3	79.5	75.1	71.6	67.3	75.5	78.8	80.8	81.4	78.6	101.6
1.25k	83.2	80.1	79.6	74.3	71.7	66.6	75.4	79.0	80.7	81.1	79.5	100.2
1.6k	82.2	79.8	79.5	74.2	72.5	65.6	73.5	77.5	79.3	79.3	78.6	98.8
2.0k	79.7	77.8	78.0	73.9	72.5	65.0	71.1	75.5	77.7	77.1	78.0	97.5
2.5k	81.0	79.1	78.8	76.6	75.4	66.7	73.0	75.8	78.3	77.7	80.4	98.7
3.2k	83.0	81.2	79.3	78.0	75.6	67.9	74.8	76.9	79.7	78.9	81.0	100.5
4.0k	80.6	79.1	77.1	73.1	71.0	63.4	70.3	73.8	77.2	76.1	77.0	96.1
5.0k	82.0	80.4	77.9	73.2	71.5	63.2	69.8	76.4	78.7	76.2	78.5	98.3
6.3k	81.2	79.2	77.8	71.6	70.0	60.9	67.5	74.9	77.3	73.5	77.1	95.6
8.0k	81.1	77.6	78.0	71.4	68.4	59.3	67.3	74.9	75.9	68.7	76.8	95.9
10.0k	80.6	74.2	75.0	68.1	65.8	55.5	62.8	70.8	71.5	69.1	74.6	94.3
12.5k	78.9	68.4	69.8	63.0	59.1	49.1	57.0	65.6	66.1	72.4	70.5	92.6
16.0k	75.5	64.0	64.1	56.3	51.7	41.5	50.5	59.4	59.4	69.9	66.1	91.5
20.0k	66.7	56.5	60.8	50.7	41.4	32.1	41.9	52.0	57.6	61.0	59.4	89.3
PNLT	108.5	106.3	104.7	102.2	98.9	91.1	99.7	102.7	105.2	106.1	104.6	129.1
LA	93.8	91.6	90.6	86.3	84.2	77.2	84.8	88.9	90.8	91.2	90.3	113.1
SPL	101.1	98.6	95.8	90.3	87.9	81.4	90.7	94.3	96.5	99.2	94.4	126.0

RPM = 404., Collective = 0.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	77.2	72.4	63.7	63.1	58.9	67.5	58.3	58.3	67.1	72.7	50.5	111.4
6.3	78.4	73.6	67.4	65.1	60.7	68.1	63.4	63.7	69.1	75.3	59.2	119.8
8	78.6	74.7	67.2	64.8	60.2	69.6	61.6	61.8	68.6	75.4	58.5	119.2
10	79.5	75.7	67.9	67.3	61.1	68.2	66.2	63.7	71.0	76.5	60.7	119.9
12.5	81.3	79.5	73.8	72.2	63.5	72.9	81.0	81.1	83.4	84.5	80.1	121.9
16	79.8	77.2	69.6	67.8	61.4	66.3	71.8	72.0	75.6	78.8	71.1	123.1
20	80.1	78.0	71.8	70.2	62.5	64.6	69.3	69.7	73.0	78.5	69.2	124.2
25	97.6	96.3	92.2	88.0	72.9	76.9	88.7	90.0	92.0	94.9	89.7	125.9
32	88.6	86.9	82.7	78.5	65.8	67.5	79.0	80.4	83.0	85.4	80.2	125.8
40	88.1	84.1	79.0	72.1	75.1	65.8	72.4	71.0	76.2	82.9	73.8	124.2
50	94.8	92.0	86.1	82.8	85.4	71.3	78.1	77.5	85.1	92.2	85.5	123.4
63	87.3	83.8	79.0	75.8	75.9	64.3	72.8	78.3	81.2	84.8	77.4	122.6
80	88.8	85.4	85.6	80.8	75.1	66.4	76.4	84.1	86.2	89.3	78.9	121.7
100	85.2	82.8	79.4	73.6	70.9	63.7	72.3	79.0	82.8	87.8	81.3	120.4
125	85.4	82.1	78.7	74.4	71.8	64.8	72.4	80.2	84.3	87.5	78.7	119.9
160	84.4	82.8	80.5	74.4	74.1	66.4	71.4	79.7	83.1	84.2	76.4	119.8
200	85.5	83.5	81.2	76.6	73.4	67.3	77.8	80.6	83.5	84.8	77.6	118.2
250	85.5	83.9	81.4	75.3	73.0	67.6	75.0	79.8	82.6	83.5	76.9	115.5
320	86.8	84.2	81.9	73.4	73.3	66.8	73.6	80.5	82.9	83.8	78.3	115.2
400	86.5	84.1	81.8	78.2	71.3	63.8	76.4	80.6	82.7	83.7	78.6	113.5
500	85.9	83.4	81.9	74.9	74.5	67.3	74.3	80.4	82.3	83.2	79.0	112.0
630	86.2	83.9	82.3	77.2	73.1	67.5	78.6	82.3	82.5	85.6	80.0	110.2
800	86.0	84.2	82.6	78.3	75.2	72.0	77.9	81.2	83.0	83.6	80.9	109.7
1.0k	84.7	82.7	81.7	77.5	74.6	69.7	77.9	80.8	82.2	82.7	81.5	107.3
1.25k	85.2	82.2	81.4	76.9	74.4	69.1	77.4	80.4	82.0	82.3	81.7	105.6
1.6k	84.0	81.6	81.1	76.3	74.7	68.5	76.6	79.1	80.7	80.4	81.0	103.1
2.0k	81.4	79.3	79.2	75.3	73.9	66.5	72.7	77.1	78.8	78.0	80.2	101.2
2.5k	82.4	80.4	79.7	77.9	76.5	67.4	73.8	77.2	79.1	78.3	81.9	101.6
3.2k	84.3	82.1	80.1	79.0	77.4	68.8	75.8	78.4	80.7	79.6	82.2	103.1
4.0k	82.1	80.4	78.4	74.3	72.9	64.4	71.6	75.4	76.2	76.5	78.2	99.4
5.0k	83.7	81.9	79.6	74.7	72.9	63.8	72.6	77.3	79.2	76.7	79.3	122.0
6.3k	82.9	80.7	79.5	73.3	71.9	62.3	60.3	76.3	78.4	73.9	78.7	98.0
8.0k	83.6	79.6	79.8	73.1	70.4	60.9	68.7	76.9	77.6	72.3	78.7	98.5
10.0k	83.2	76.3	76.9	72.7	68.0	57.2	64.7	73.4	73.5	72.4	76.3	96.4
12.5k	81.3	73.9	71.7	65.0	62.0	52.8	59.2	66.4	68.2	73.7	72.6	95.0
16.0k	78.0	66.6	66.7	57.8	56.7	43.1	52.4	62.9	61.2	71.3	68.0	93.8
20.0k	70.1	60.5	64.0	51.1	54.0	33.1	43.3	58.3	58.7	63.0	61.5	92.8
ONLT	112.3	107.9	106.2	103.3	100.8	92.6	101.1	104.3	106.5	106.3	106.3	133.3
OA	95.9	93.5	92.3	88.1	86.1	78.9	86.7	90.6	92.3	92.4	92.1	118.9
SPL	102.7	102.4	97.2	92.9	89.9	83.7	92.3	95.4	97.8	102.4	95.7	134.8

RPM = 404., Collective = 0.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	81.2	76.9	68.4	67.9	58.8	66.5	63.0	61.0	68.9	74.2	50.6	103.8
6.3	82.2	79.8	68.6	69.3	62.1	70.0	67.9	64.3	73.5	73.8	60.7	108.8
8	82.8	78.7	69.9	68.7	61.5	69.4	66.3	65.2	71.5	76.3	60.9	110.8
10	81.3	80.0	71.2	70.9	61.4	67.8	67.7	66.4	73.2	78.8	62.5	113.2
12.5	83.7	81.1	75.9	75.4	62.9	73.2	82.6	82.6	85.0	87.1	81.6	115.0
16	82.7	80.7	74.1	70.7	62.3	67.2	73.7	73.8	77.9	80.8	72.6	116.7
20	84.4	81.8	74.5	70.9	63.5	64.8	70.2	72.0	75.4	79.6	69.3	117.6
25	100.2	97.9	92.8	88.3	74.1	76.4	88.9	91.0	93.6	97.2	89.6	122.2
32	91.2	88.7	83.2	78.5	67.2	66.8	79.1	81.1	84.1	87.5	80.0	120.5
40	88.2	85.0	78.2	72.6	74.2	66.4	78.4	72.6	78.2	83.3	75.8	120.4
50	95.2	94.0	88.8	84.9	87.7	72.4	76.3	78.1	85.4	93.4	86.3	119.5
63	88.3	85.7	81.4	76.9	77.7	65.1	74.1	79.3	82.4	85.6	78.2	118.6
80	89.5	85.4	86.1	81.0	74.4	66.1	77.7	82.9	84.9	87.0	81.7	118.8
100	85.8	82.6	79.1	72.6	72.3	63.2	78.3	79.0	81.9	84.8	81.5	116.8
125	85.6	82.8	80.5	74.2	72.8	64.3	71.9	79.3	83.7	87.0	77.9	116.6
160	85.0	83.1	79.9	73.5	73.5	64.8	78.7	78.6	81.6	82.8	76.1	115.0
200	86.0	84.2	80.7	76.4	72.4	66.7	76.6	79.9	82.5	83.4	77.8	113.7
250	85.8	84.3	81.6	75.8	72.9	67.6	74.8	78.7	82.1	83.1	77.1	111.8
320	87.0	85.3	82.8	74.2	74.1	67.0	73.8	80.6	82.8	83.6	79.4	111.2
400	86.8	85.0	83.0	79.8	72.5	64.1	77.2	80.8	82.7	83.7	79.9	109.7
500	86.4	84.5	82.8	76.2	75.4	68.7	75.3	80.9	82.7	83.3	80.3	107.8
630	86.2	84.4	82.9	78.5	74.4	69.8	80.2	82.5	83.8	85.7	81.8	106.4
800	86.8	85.5	83.7	79.5	76.5	71.9	79.5	82.3	84.0	84.3	82.8	106.2
1.0k	86.0	85.1	83.9	80.2	76.7	71.9	80.5	82.4	83.6	83.5	84.4	103.4
1.25k	85.4	83.4	82.4	78.4	76.0	70.8	79.1	81.6	82.9	83.2	84.3	101.3
1.6k	84.8	82.4	81.8	77.4	75.5	69.3	76.9	80.2	81.7	81.3	82.3	99.0
2.0k	82.4	80.7	80.0	76.4	74.8	67.9	74.0	78.6	79.9	79.3	81.5	97.7
2.5k	83.3	81.9	80.4	78.9	77.5	68.6	75.1	78.3	80.3	79.3	82.5	99.2
3.2k	85.2	83.2	80.6	79.9	78.1	69.9	77.0	79.5	81.6	80.5	82.8	99.9
4.0k	82.9	81.5	79.0	75.4	73.9	65.6	72.7	76.5	79.0	77.3	79.1	97.3
5.0k	84.2	82.8	80.1	75.6	73.9	64.5	71.4	78.0	79.9	77.5	79.5	97.5
6.3k	83.6	81.6	80.4	74.4	73.1	63.2	70.2	77.2	79.3	74.5	79.3	96.0
8.0k	84.8	81.2	80.6	74.1	71.7	61.7	69.7	77.9	78.7	71.5	79.5	97.4
10.0k	84.3	77.8	78.1	71.1	69.6	58.2	65.9	74.7	75.0	72.0	77.1	95.9
12.5k	82.6	72.5	73.3	66.1	64.3	52.8	60.4	70.2	69.7	75.1	73.5	94.9
16.0k	79.4	68.8	68.6	59.1	60.3	44.4	54.2	64.9	62.6	73.0	68.9	94.8
20.0k	72.1	64.6	65.7	51.5	58.3	33.9	44.7	60.7	60.1	65.1	62.8	92.3
PNLT	111.1	109.0	106.9	104.4	101.7	93.6	102.2	105.1	107.2	107.3	107.2	129.7
LA	96.6	94.7	93.2	89.4	87.2	80.3	88.2	91.5	93.1	92.9	93.5	115.2
SPL	104.1	102.0	98.2	93.8	91.3	84.2	93.1	96.0	98.5	101.4	96.5	130.0

RPM = 404., Collective = 0.0 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	79.8	74.2	65.7	64.4	59.1	67.9	62.9	63.0	75.4	81.2	53.7	111.9
6.3	79.3	75.3	70.2	66.9	64.4	68.2	67.6	66.3	77.0	80.8	64.5	123.7
8	79.9	76.0	69.0	67.2	62.3	68.2	65.1	65.3	76.8	82.9	61.2	117.5
10	80.5	76.4	72.4	70.3	63.3	65.5	69.2	68.7	77.0	82.1	63.8	120.5
12.5	82.3	78.9	77.1	73.8	65.4	75.2	85.0	84.5	86.9	89.3	83.8	122.9
16	81.0	78.7	72.7	70.6	63.3	68.4	76.1	76.9	80.7	83.9	74.7	123.5
20	83.2	79.8	75.8	71.9	64.9	63.6	69.2	71.2	79.0	83.3	69.2	125.8
25	101.2	98.9	99.5	92.3	71.7	78.9	90.0	91.7	97.2	100.7	87.6	128.7
32	92.4	90.2	89.9	82.9	66.4	69.9	82.8	82.6	87.8	91.6	79.0	127.4
40	86.4	82.0	81.8	72.9	72.5	66.2	71.7	77.0	79.6	85.4	75.4	126.5
50	94.7	91.6	92.0	86.1	87.4	76.0	78.5	78.0	85.4	95.7	88.4	125.2
63	88.1	84.9	83.2	77.7	78.3	68.2	76.6	80.1	83.7	87.9	80.5	124.0
80	91.1	86.8	87.8	82.5	74.6	71.6	81.6	84.7	88.8	89.9	84.9	123.8
100	86.7	84.1	85.1	76.3	75.8	65.8	73.8	82.6	84.7	88.3	82.2	123.1
125	86.9	85.2	81.8	77.3	74.5	66.6	74.4	81.6	85.9	89.5	81.2	121.8
160	86.8	85.8	84.9	76.4	77.0	68.0	74.9	81.9	85.5	87.6	79.5	120.7
200	88.3	87.1	84.8	79.7	75.3	69.7	81.1	83.3	85.8	88.6	81.2	119.4
252	88.8	87.1	85.3	79.3	75.7	71.3	79.6	82.9	86.1	88.8	80.4	117.7
320	90.2	89.2	87.8	78.7	77.5	70.2	77.2	84.7	87.7	89.7	83.3	116.9
400	90.3	89.2	88.6	84.1	75.9	67.7	81.3	84.8	87.5	89.8	84.1	115.1
500	89.5	88.2	87.8	83.2	78.2	71.9	79.6	84.8	86.8	88.8	83.6	113.7
630	88.4	87.6	86.3	81.2	76.6	70.9	82.0	85.2	86.4	89.1	84.7	111.7
800	89.3	88.1	86.3	82.2	78.4	74.1	82.1	85.8	87.1	88.1	85.5	111.3
1.0k	89.3	88.7	87.0	83.0	79.4	74.5	83.4	85.1	87.2	87.4	87.2	108.9
1.25k	87.9	86.8	85.1	82.1	79.4	74.4	82.6	84.3	85.8	86.3	88.8	106.5
1.6k	86.6	84.9	83.1	79.8	77.2	71.1	78.8	82.3	83.7	83.9	84.4	103.7
2.0k	84.3	83.2	81.0	78.6	76.3	69.2	75.8	80.7	81.8	81.7	83.3	101.6
2.5k	85.2	83.8	81.2	80.6	78.9	69.2	76.3	80.2	81.5	81.6	83.8	101.5
3.2k	86.6	84.6	80.9	81.1	79.4	70.5	78.1	81.2	82.6	82.3	83.6	101.9
4.0k	84.2	82.9	79.4	76.8	75.3	66.3	73.7	78.4	79.9	79.1	80.2	99.5
5.0k	85.2	83.9	80.8	77.0	75.0	65.2	72.2	79.4	80.8	78.9	80.2	98.7
6.3k	84.7	83.0	81.0	75.9	74.3	63.8	71.1	78.8	80.2	76.4	80.0	98.0
8.0k	86.3	82.3	81.5	75.7	73.2	62.7	72.8	79.6	79.8	73.6	80.3	99.1
10.0k	85.7	79.5	78.9	72.9	71.2	59.1	67.0	76.7	76.2	74.1	78.1	97.8
12.5k	84.3	75.0	73.5	68.3	66.4	53.1	61.8	72.8	71.1	77.4	74.6	97.0
16.0k	81.7	71.9	66.6	63.2	63.3	45.6	56.3	68.9	64.1	75.3	70.1	96.4
20.0k	74.8	68.8	59.9	59.5	61.7	36.0	49.8	66.2	61.0	67.7	64.4	94.7
PNLT	112.8	110.9	108.7	106.4	103.4	95.1	104.1	107.3	109.1	109.7	109.9	134.6
LA	98.8	97.3	95.5	91.8	89.1	82.3	92.6	94.0	95.7	96.5	95.9	120.3
SPL	105.3	103.1	102.7	96.7	92.4	86.4	95.2	98.1	101.7	104.8	98.3	136.6

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	55.5	48.7	45.6	46.0	44.9	45.6	48.3	46.3	49.3	55.0	56.0	72.0
6.3	59.1	53.1	51.2	50.2	49.9	49.2	53.2	50.9	51.3	56.7	56.5	77.2
8	60.6	53.5	51.0	51.3	49.6	50.7	52.1	52.2	52.8	59.2	57.9	76.7
10	67.3	61.8	62.1	61.9	58.6	58.3	60.6	60.4	64.1	65.0	59.9	76.5
12.5	70.8	64.3	64.0	64.6	60.4	60.6	64.6	64.4	65.4	69.1	62.1	79.9
16	66.7	63.1	59.9	60.6	58.0	56.5	62.1	59.3	63.0	65.8	62.5	77.9
20	71.8	67.3	67.2	66.2	62.5	57.2	62.8	62.1	65.1	68.7	65.5	81.0
25	98.1	92.1	89.8	87.5	70.5	76.1	80.0	87.1	90.9	94.9	91.1	106.3
32	89.0	83.1	80.7	78.5	64.3	67.5	78.9	78.0	81.7	85.8	82.2	97.2
40	79.9	74.8	72.8	71.9	64.9	66.4	69.3	68.5	69.4	70.6	71.4	87.3
50	97.8	92.5	89.0	86.1	81.5	82.9	78.3	85.5	83.7	90.1	84.2	100.9
63	88.7	83.8	80.5	77.3	73.0	73.8	72.0	76.9	76.9	81.6	75.7	99.6
80	92.0	92.1	91.1	88.6	81.3	76.9	84.6	89.7	94.1	95.1	77.0	106.2
100	91.5	87.9	85.7	79.5	75.0	68.2	76.9	80.5	83.4	90.5	84.1	95.3
125	91.5	87.7	83.0	79.3	75.7	74.9	70.9	82.6	85.9	89.7	80.3	92.2
160	88.1	84.4	83.0	74.7	75.3	73.9	75.1	81.8	84.3	85.4	76.3	92.7
200	87.3	83.7	82.3	78.0	72.0	73.2	76.4	79.7	82.2	84.6	80.3	94.9
250	85.4	82.2	79.7	77.0	74.0	71.9	72.1	77.6	79.6	82.7	79.0	94.9
320	86.8	83.0	80.7	75.0	73.4	70.4	73.2	78.4	80.7	82.3	79.6	94.4
400	86.8	82.5	80.8	76.7	68.9	68.6	70.6	78.1	80.2	81.7	78.4	93.5
500	84.6	80.1	77.9	71.5	70.4	69.4	71.1	77.0	79.1	80.7	77.8	93.3
630	84.5	79.3	77.4	73.6	68.8	69.2	73.2	77.5	79.4	83.3	80.3	93.2
800	83.0	79.4	77.6	72.9	70.7	71.3	72.7	76.6	78.4	81.0	77.7	95.1
1.0k	82.0	78.7	76.6	71.9	68.1	71.0	72.8	76.3	77.9	79.3	76.3	91.1
1.25k	83.0	79.2	77.9	73.5	70.3	71.6	70.4	77.5	79.0	80.7	77.9	91.2
1.6k	81.6	78.2	76.6	73.1	69.9	70.6	73.8	76.4	77.2	79.4	77.9	93.3
2.0k	82.8	77.8	75.8	73.5	70.1	71.7	72.8	75.9	77.7	80.5	78.5	91.7
2.5k	79.9	80.9	79.7	78.9	74.9	76.4	78.0	80.1	82.1	80.6	83.5	96.4
3.2k	75.9	73.3	72.5	75.1	74.2	77.6	76.8	73.8	74.9	75.6	83.7	95.7
4.0k	72.8	70.2	69.0	65.3	62.7	64.8	66.5	68.9	71.4	73.6	73.1	90.9
5.0k	71.7	70.6	69.4	67.6	63.7	65.2	67.1	69.0	71.2	73.9	74.8	93.8
6.3k	65.2	68.0	67.2	64.8	61.1	62.5	64.2	67.1	68.1	68.2	72.1	89.3
8.0k	61.7	65.6	64.7	63.1	59.3	62.0	62.9	64.1	65.9	66.3	71.7	90.2
10.0k	60.8	58.8	59.0	58.8	53.6	54.0	54.0	57.0	58.3	63.7	69.1	88.2
12.5k	63.3	56.1	53.8	54.8	49.8	48.2	51.3	53.8	57.6	59.4	67.1	85.6
16.0k	60.7	56.8	49.8	53.6	41.0	41.5	46.3	53.6	57.9	62.1	63.8	83.3
20.0k	55.6	52.9	45.9	53.9	35.6	35.6	42.8	54.3	52.1	54.8	61.1	79.7
PNLT	106.8	106.6	105.0	102.1	98.6	101.1	101.1	104.4	106.5	105.6	107.6	120.4
LA	93.0	89.7	88.0	85.3	82.1	83.8	85.2	87.6	89.4	91.0	90.8	105.3
SPL	103.6	99.3	97.0	92.8	87.9	88.0	92.0	95.0	98.0	100.9	95.6	113.5

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	66.7	57.1	48.6	50.5	45.7	48.4	53.1	59.2	61.6	66.6	54.3	90.8
6.3	69.9	66.1	64.1	60.7	58.9	62.4	60.5	65.7	66.8	70.9	63.4	101.2
8	68.2	60.3	57.1	56.2	52.1	55.5	58.6	62.3	64.7	74.8	58.4	100.9
10	72.1	63.5	61.0	62.3	57.9	55.8	62.9	64.7	67.9	72.0	58.2	101.4
12.5	77.8	72.0	67.9	67.4	63.3	60.0	70.3	70.9	77.9	79.5	71.8	103.8
16	73.2	66.9	62.6	62.7	59.4	61.1	67.2	68.3	71.8	74.4	66.0	101.9
20	73.0	68.2	66.9	67.4	63.3	59.7	67.5	69.3	71.5	74.3	65.5	102.4
25	94.1	86.6	81.7	77.4	73.6	77.3	87.2	87.6	91.0	94.4	91.9	107.1
32	85.9	78.8	74.2	70.6	66.5	69.5	78.8	79.5	82.8	86.3	83.6	102.7
40	82.6	77.0	75.1	72.6	68.0	67.5	69.9	71.2	74.4	76.9	72.8	100.1
50	93.1	88.1	85.0	81.7	77.0	80.0	75.9	85.1	86.9	88.5	82.3	105.6
63	86.0	81.1	78.3	74.5	70.5	72.1	70.4	78.1	80.4	82.6	75.0	99.5
80	93.2	91.4	90.3	88.5	79.5	75.4	82.9	89.4	93.5	95.4	79.3	104.2
100	90.6	86.7	85.3	78.6	74.6	69.8	74.9	80.7	83.7	89.1	85.7	96.8
125	90.6	87.1	83.5	79.8	76.3	73.9	75.3	81.9	85.2	88.9	82.1	95.5
160	88.9	85.0	83.5	75.5	75.9	74.6	75.7	81.4	85.0	86.0	76.9	94.4
200	87.4	84.8	83.5	79.5	75.1	75.4	81.2	83.6	85.6	87.0	78.2	96.3
250	86.7	83.2	82.9	77.8	75.1	76.1	75.4	81.2	83.7	84.8	78.1	96.4
320	87.9	84.1	82.0	75.6	74.8	74.2	76.0	81.8	84.4	85.3	79.5	96.8
400	88.1	83.8	81.9	77.6	70.4	69.9	77.5	82.9	83.4	84.7	79.2	94.7
500	86.7	82.1	80.4	73.8	72.6	71.2	72.6	79.8	82.4	83.9	77.7	94.3
630	86.7	82.1	80.0	75.4	71.4	70.5	74.7	79.4	82.0	85.2	81.2	94.2
800	85.2	81.7	79.9	74.4	71.6	71.8	74.3	78.7	80.8	83.8	77.4	94.8
1.0k	84.4	81.2	78.8	73.6	72.3	71.4	74.1	77.5	80.0	81.6	76.5	91.5
1.25k	84.5	80.8	78.7	73.7	70.3	71.8	74.6	77.6	79.3	81.1	77.2	91.4
1.6k	82.5	79.2	77.2	73.4	72.3	71.0	74.1	76.2	77.5	79.1	77.8	93.3
2.0k	81.3	78.4	76.0	73.0	70.2	72.7	72.1	75.4	78.0	80.1	77.3	92.3
2.5k	79.2	78.6	77.9	77.8	75.0	75.3	77.7	79.0	80.3	77.4	85.8	97.0
3.2k	78.4	75.8	74.2	73.3	71.2	75.2	74.5	73.9	75.5	76.4	81.6	97.0
4.0k	76.2	74.3	72.7	68.9	67.2	66.6	68.2	70.8	73.6	75.0	74.3	94.9
5.0k	75.5	74.2	72.3	70.6	67.7	67.2	68.8	71.2	73.3	74.7	77.0	96.8
6.3k	70.3	72.3	72.4	67.5	65.4	64.4	65.6	68.3	70.7	70.9	74.1	92.7
8.0k	67.6	69.1	68.6	67.2	63.5	62.4	64.4	66.1	66.5	68.5	73.9	92.1
10.0k	67.5	64.6	63.9	63.8	60.2	57.8	59.1	59.5	60.4	64.3	70.4	89.1
12.5k	70.6	61.7	59.1	59.5	55.4	51.1	53.8	55.5	59.5	61.2	67.5	87.1
16.0k	67.9	62.0	53.3	55.1	46.9	44.1	48.3	54.5	59.6	64.0	63.8	85.0
20.0k	61.0	57.7	49.0	53.9	37.9	36.5	43.3	54.5	54.1	58.3	57.8	81.8
PWLT	107.2	104.8	103.3	102.1	99.1	98.1	101.5	104.4	106.1	105.5	108.5	122.5
LA	94.3	93.9	89.0	85.4	82.5	83.3	85.4	88.4	90.5	92.1	91.2	106.2
SPL	101.9	97.9	95.8	92.5	87.5	87.6	91.9	95.6	98.7	101.0	96.1	115.2

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	80.5	65.3	59.2	58.3	49.5	52.8	59.3	60.1	74.1	78.7	55.0	103.4
6.3	80.7	69.8	66.3	63.8	61.4	59.5	63.2	64.3	74.6	78.8	61.9	110.3
8	81.0	69.0	63.9	62.8	57.0	58.1	63.5	64.9	75.3	80.2	59.3	109.9
10	82.8	70.1	65.4	66.7	59.5	58.4	67.5	66.3	75.6	80.2	61.5	110.8
12.5	84.3	72.5	69.8	67.4	62.4	77.4	82.3	82.5	85.6	86.4	81.0	114.0
16	82.7	71.2	66.7	65.1	60.8	69.2	74.3	74.4	79.5	82.9	72.8	113.7
20	84.4	74.9	72.9	69.7	64.2	61.7	68.9	70.3	78.1	83.8	66.1	113.6
25	100.7	96.2	94.9	88.1	77.2	81.3	89.4	92.7	94.6	97.3	92.0	114.0
32	92.4	87.6	86.3	79.4	69.1	72.8	80.7	82.2	86.2	89.6	83.4	112.4
40	91.1	83.6	82.2	73.7	76.8	71.3	71.1	73.9	80.2	85.3	74.1	111.3
50	92.6	86.8	83.5	80.4	82.3	76.3	74.0	80.0	88.0	93.6	84.9	110.4
63	86.3	80.8	78.5	75.1	74.3	70.3	71.6	77.7	81.4	86.3	77.0	107.8
80	89.6	88.0	87.7	81.0	77.6	71.4	79.2	85.5	89.2	91.4	77.2	105.8
100	90.0	85.6	84.7	77.6	73 4	69.9	73.9	79.3	82.5	87.6	83.1	104.4
125	89.9	85.4	82.7	78.8	75.7	72.6	74.7	80.9	83.4	87.5	79.9	103.2
160	88.5	84.2	83.1	75.7	76.3	75.2	74.7	81.9	84.9	85.8	77.0	101.5
200	88.7	85.4	83.4	79.6	75.6	76.5	81.7	84.0	86.0	87.6	79.2	100.7
250	88.5	84.6	82.3	78.9	75.5	77.5	76.8	82.5	84.9	86.4	77.8	99.0
320	89.4	85.8	83.8	76.6	76.2	76.5	77.9	84.0	86.4	87.2	80.2	98.8
400	89.0	85.8	83.5	80.1	72.7	72.9	79.7	83.2	85.4	86.7	80.2	97.3
500	87.6	84.8	81.9	75.7	74.4	74.1	74.7	82.1	84.6	85.7	79.1	96.2
630	87.8	83.7	81.9	77.3	72.3	72.6	76.8	81.4	83.8	86.4	81.2	95.6
800	86.7	83.7	81.8	76.6	72.9	74.3	77.8	80.5	82.4	84.4	79.0	95.2
1.0k	85.7	82.6	80.5	75.7	72.4	73.7	76.2	79.2	81.2	82.7	78.9	93.5
1.25k	85.9	82.0	80.0	75.2	72.1	73.4	76.2	78.9	80.6	81.8	79.3	92.6
1.6k	83.6	80.5	78.8	74.7	71.8	71.8	74.3	76.9	78.2	79.2	79.5	93.8
2.0k	82.1	79.2	78.2	74.3	71.9	71.3	71.9	76.3	78.7	79.1	78.3	92.9
2.5k	81.2	79.1	78.5	77.7	75.2	75.2	76.8	78.6	79.5	77.5	85.7	97.1
3.2k	81.5	78.7	77.2	76.1	73.5	73.6	73.9	75.5	77.2	78.2	81.0	97.6
4.0k	79.3	77.2	75.8	72.0	69.9	68.2	69.8	72.6	75.6	77.4	76.2	95.1
5.0k	78.6	77.3	75.0	73.1	69	68.8	70.5	73.1	75.5	77.4	78.4	97.3
6.3k	75.0	76.3	74.0	71.1	68.7	66.3	67.8	70.8	73.2	74.3	76.2	93.5
8.0k	72.3	73.6	72.7	70.8	67.0	64.7	66.9	69.0	70.1	71.9	76.6	95.2
10.0k	72,1	69.7	68.6	68.1	64.0	60.5	62.5	63.4	65.0	68.1	73.7	92.9
12.5k	74,9	66.8	64.6	63.5	59.1	54.1	56.9	58.8	60.0	65.4	70.2	91.5
16.0k	72.7	66.8	58.6	57.5	50.4	47.5	50.8	56.3	63.8	68.3	66.8	89.8
20.0k	66.1	65.4	55.0	54.6	40	38.2	44.7	55.4	58.2	62.5	60.7	87.0
PNLT	109.0	106.1	104.5	102.2	98.	98.3	101.6	103.5	105.4	106.6	109.2	123.8
LA	95.6	92.5	90.8	87.1	84.0	84.2	86.3	89.8	91.8	93.1	91.9	107.5
SPL	104.5	100.1	98.6	92.9	89.2	88.7	93.3	96.2	99.6	102.4	96.5	122.9

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	87.1	74.5	63.4	58.1	49.8	64.9	66.0	67.7	75.3	84.0	51.4	106.5
6.3	87.3	74.9	67.0	63.7	62.5	68.8	70.3	68.5	76.3	84.7	59.8	110.3
8	86.3	75.4	65.6	64.1	58.6	67.2	71.5	69.7	78.3	85.6	60.4	112.3
10	86.0	76.2	68.1	66.9	62.2	67.9	72.9	71.4	79.8	86.3	62.6	114.7
12.5	87.7	79.9	76.9	74.0	66.7	78.2	83.2	82.7	85.9	88 7	82.4	118.1
16	86.8	77.2	71.4	68.5	62.5	70.7	76.0	76.5	81.1	86.5	74.3	118.1
20	88.4	78.6	74.8	69.2	64.0	67.9	73.6	74.9	80.2	86.4	70.1	118.3
25	103.0	99.2	97.6	91.0	79.4	84.0	90.2	90.8	94.8	97.9	92.4	116.9
32	95.1	90.6	89.0	82.3	71.4	75.5	81.9	82.7	87.2	93.9	84.0	116.1
40	92.5	85.8	83.8	74.2	78.2	71.6	72.4	77.7	83.4	88.5	75.7	114.4
50	96.6	91.7	87.6	84.0	86.9	80.0	75.8	79.8	88.9	94.4	86.8	113.5
63	90.4	84.4	80.9	77.6	78.7	73.7	75.8	81.8	84.1	88.1	78.9	110.5
80	89.6	86.9	87.0	80.3	76.1	74.1	81.8	87.1	90.3	91.4	79.2	107.8
100	89.5	84.6	83.5	75.8	72.9	73.1	76.2	80.9	84.8	87.6	82.0	105.0
125	89.0	84.5	81.4	77.5	73.8	73.8	76.3	81.7	84.4	87.5	79.2	103.8
160	88.2	83.2	82.6	75.9	76.5	75.0	74.5	81.5	84.4	86.0	77.0	102.2
200	88.3	84.4	82.5	79.5	75.1	76.3	82.0	84.1	86.1	87.7	79.6	100.7
250	87.8	84.2	82.4	79.0	75.4	76.7	76.7	82.2	84.6	86.5	78.6	98.3
320	88.9	85.3	83.4	76.5	76.0	75.7	77.8	83.6	86.0	87.2	80.5	98.1
400	88.1	84.5	83.1	80.5	72.9	71.8	79.3	82.8	84.9	86.8	80.3	96.8
500	86.5	82.9	81.8	76.0	75.3	74.1	74.3	81.9	83.7	85.0	79.1	96.3
630	86.6	82.8	81.7	77.7	73.2	72.8	76.8	81.5	83.2	84.6	82.1	95.9
800	86.0	82.9	81.9	77.5	74.5	75.4	78.2	80.8	82.4	83.5	80.3	95.9
1.0k	85.0	81.6	80.2	76.3	73.4	74.6	77.5	79.9	81.1	81.8	80.7	94.5
1.25k	84.6	81.4	79.8	75.6	72.8	74.3	77.2	79.4	80.4	82.3	81.0	93.7
1.6k	83.0	79.8	78.5	74.6	72.3	73.0	75.4	77.7	78.6	79.8	81.3	94.8
2.0k	82.2	78.8	78.1	74.2	72.3	71.8	72.7	76.8	78.3	78.8	79.8	93.9
2.5k	81.5	79.5	79.3	79.1	76.1	74.6	76.3	77.8	78.2	77.7	85.2	97.6
3.2k	82.6	79.6	78.1	77.2	74.6	73.6	74.8	76.7	77.6	79.1	81.3	98.0
4.0k	80.6	78.3	76.9	73.2	71.1	69.7	71.3	74.2	76.2	78.3	77.8	97.2
5.0k	79.5	77.9	75.9	73.6	70.7	69.5	70.9	73.5	75.9	77.9	78.6	97.0
6.3k	76.2	77.3	75.4	72.0	69.8	67.9	69.2	72.3	74.6	75.5	77.3	94.6
8.0k	74.1	75.0	74.2	71.9	68.1	66.5	68.6	70.7	71.7	73.6	78.0	96.4
10.0k	73.8	71.2	69.9	69.1	65.3	62.5	64.3	65.2	66.7	69.9	75.0	94.7
12.5k	76.3	6..8	65.8	64.7	60.2	56.2	58.8	60.7	65.6	67.1	71.6	93.3
16.0k	74.3	68.3	60.3	58.4	52.0	49.3	52.7	57.9	65.4	69.9	67.9	91.9
20.0k	68.4	64.1	56.2	54.8	43.0	39.6	46.1	56.5	60.0	64.6	62.0	89.3
PNLT	109.4	106.4	105.0	103.5	99.7	98.6	101.7	103.7	105.3	107.0	108.8	123.9
LA	95.2	92.1	90.9	87.7	84.9	84.6	86.9	90.0	91.6	92.8	92.5	108.1
SPL	106.4	102.8	100.2	94.6	91.1	90.1	94.2	96.7	100.1	103.3	97.1	126.3

RPM = 4004, Collective = 1.5 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	88.5	78.0	67.5	70.3	52.0	67.1	68.8	65.3	75.3	55.0	53.2	107.2
6.3	90.0	78.5	71.1	70.5	61.9	71.1	72.7	68.5	76.3	65.0	63.0	117.5
8	91.7	78.8	71.5	72.1	59.7	69.5	73.1	68.4	76.5	65.6	60.9	113.9
10	91.5	79.9	73.2	72.8	61.8	69.4	73.3	71.2	78.2	66.3	63.4	114.4
12.5	92.8	82.8	78.5	75.4	66.4	82.5	84.9	84.6	86.6	90.0	84.3	117.1
16	91.6	80.8	74.8	71.6	63.2	73.2	77.3	76.9	81.1	86.8	76.0	117.9
20	92.6	82.7	76.9	74.0	66.0	69.3	72.9	71.6	79.2	87.5	69.2	118.7
25	105.2	101.1	99.8	93.4	79.8	85.4	90.5	91.8	96.3	99.6	91.7	119.4
32	97.3	92.7	91.0	84.7	71.7	76.9	82.2	83.2	88.1	92.3	82.1	117.8
40	94.5	87.0	84.4	74.6	78.6	73.8	72.7	76.3	82.6	88.6	75.0	116.6
50	99.8	95.1	91.3	86.1	90.0	82.6	75.9	79.3	88.0	95.9	88.3	115.5
63	92.7	87.2	83.8	79.2	81.2	75.4	76.3	82.2	84.2	89.0	80.1	112.7
80	88.2	84.5	84.5	77.8	75.3	73.8	81.7	86.1	89.1	89.6	81.6	111.1
100	89.8	84.8	84.0	75.6	72.8	74.1	76.8	81.6	85.5	88.4	80.4	109.2
125	89.0	84.3	81.3	76.4	73.1	74.9	77.8	83.2	85.6	89.4	79.4	107.8
160	88.7	84.2	82.7	75.7	76.2	74.3	75.8	81.4	83.9	86.2	78.8	106.3
200	89.3	85.5	83.4	79.9	75.8	76.5	82.2	84.3	86.3	88.1	80.2	103.9
250	89.2	85.7	83.5	79.7	75.9	77.0	77.4	82.8	85.4	87.2	79.6	101.1
320	90.3	86.9	84.7	77.3	77.5	76.8	78.8	84.4	87.0	88.3	81.7	100.7
400	89.9	86.4	84.5	81.6	74.2	73.1	81.1	84.2	86.3	87.8	81.6	99.7
500	88.4	84.8	83.3	77.5	76.8	76.2	78.0	83.0	85.0	86.1	80.9	98.8
630	88.2	84.3	83.3	79.3	74.5	75.3	79.2	82.4	84.3	85.8	83.5	97.8
800	88.3	85.1	83.3	79.3	76.6	78.0	80.2	82.3	83.9	85.1	82.8	98.4
1.0k	86.5	83.8	82.3	78.7	76.1	77.5	80.0	81.5	82.8	83.3	83.8	96.6
1.25k	86.4	83.3	81.7	77.5	74.7	76.4	79.3	81.1	82.4	82.9	83.4	95.7
1.6k	84.4	81.4	80.2	76.2	73.6	74.4	76.6	79.0	80.1	80.6	82.3	95.8
2.0k	82.7	79.8	79.2	75.4	73.1	73.0	73.9	77.8	78.9	78.9	80.7	95.1
2.5k	82.6	80.2	79.8	78.9	76.4	74.8	76.7	77.9	79.2	78.8	84.8	98.5
3.2k	83.8	81.0	79.6	78.3	75.8	74.7	76.1	77.7	79.0	80.4	82.9	98.9
4.0k	81.8	79.7	78.4	74.6	72.5	70.8	72.8	75.1	77.5	79.3	79.4	98.8
5.0k	80.5	78.9	76.8	74.7	71.5	70.1	71.9	73.9	76.9	78.5	79.1	97.2
6.3k	77.6	78.7	76.8	73.8	71.1	69.9	70.4	73.0	75.6	76.1	78.4	95.6
8.0k	75.6	76.3	75.6	73.6	69.6	67.7	69.7	71.4	72.8	74.6	79.1	97.3
10.0k	75.2	72.7	71.5	70.9	66.7	63.9	65.7	66.1	68.3	71.1	76.3	96.2
12.5k	78.0	69.3	67.2	66.7	61.8	57.6	60.3	61.8	67.6	68.7	72.9	95.1
16.0k	76.3	69.8	61.2	61.9	53.3	50.7	54.2	59.3	67.4	71.7	69.2	94.0
20.0k	70.1	65.7	56.6	60.2	44.7	43.3	47.2	57.5	61.8	66.6	63.4	91.7
PNLT	110.7	107.8	106.2	103.9	100.7	99.8	102.7	104.5	106.4	107.9	108.9	125.6
LA	96.7	93.7	92.3	88.9	86.2	86.2	88.5	91.1	92.8	93.9	93.6	109.7
SPL	108.7	103.9	102.1	96.4	93.0	91.7	95.0	97.4	100.8	104.3	97.7	127.7

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	89.6	77.9	70.6	65.7	52.1	66.8	72.0	71.5	79.4	88.7	54.6	110.4
6.3	91.3	78.5	72.3	69.2	62.9	69.8	72.9	74.3	80.8	89.9	68.3	117.0
8	91.0	79.0	72.7	70.5	59.9	68.3	72.5	73.9	81.1	90.2	63.5	116.8
10	91.2	80.1	73.5	73.1	63.8	69.7	76.0	75.3	83.2	90.1	65.7	117.8
12.5	93.3	83.7	79.3	76.0	67.1	81.8	86.5	86.3	88.9	91.5	86.0	119.9
16	91.5	81.1	75.8	72.4	65.0	74.5	79.1	79.5	85.6	89.0	77.8	119.7
20	92.4	81.7	77.4	73.6	66.0	68.6	74.3	76.5	85.4	90.3	70.6	121.6
25	106.6	102.5	100.9	95.2	80.1	86.4	92.0	93.2	97.8	101.5	92.4	121.7
32	98.9	94.0	92.4	86.5	72.2	77.9	83.7	84.9	90.2	94.6	83.9	119.3
40	95.3	87.7	85.1	74.7	78.9	74.5	73.7	77.7	84.9	91.3	75.6	117.3
50	101.2	96.3	92.4	86.6	91.8	85.3	75.1	80.3	89.3	97.1	88.9	116.6
63	93.7	88.0	84.3	79.0	83.2	77.2	76.3	82.8	85.4	90.2	80.8	113.0
80	88.6	82.8	82.8	77.0	76.5	75.5	83.8	89.0	91.4	91.4	83.4	110.4
100	90.0	86.2	85.0	76.6	73.7	74.1	77.2	82.6	86.2	88.8	80.1	107.8
125	89.1	84.0	81.6	77.2	73.8	75.4	78.6	83.7	86.1	89.1	79.9	106.1
160	88.0	83.3	82.4	76.3	76.4	75.9	76.2	83.4	85.5	87.6	79.0	104.2
200	88.3	84.6	83.2	80.4	76.5	78.1	83.3	85.3	86.9	88.5	81.3	102.7
250	88.1	85.0	83.3	79.9	76.2	78.6	78.6	84.4	86.5	87.4	79.9	100.3
320	89.4	86.1	84.5	77.7	78.2	78.3	80.4	86.1	87.7	88.2	82.2	100.3
400	89.1	86.2	84.5	82.8	74.7	74.9	82.8	86.1	87.7	88.1	83.0	99.2
500	88.0	84.8	84.0	78.4	78.5	78.9	78.3	85.7	87.2	87.0	83.3	98.0
630	87.9	84.7	84.1	80.3	75.7	77.1	81.2	85.3	86.1	86.9	84.8	97.6
800	88.6	85.6	84.2	80.7	78.1	80.0	82.6	85.7	86.1	86.2	85.0	98.6
1.0k	88.6	87.3	85.8	81.4	79.0	80.5	83.3	85.8	86.0	85.1	87.2	96.4
1.25k	87.0	84.5	83.7	80.4	77.5	80.2	82.9	84.9	85.0	84.0	87.2	95.3
1.6k	85.4	82.3	81.6	77.6	75.2	76.9	79.3	82.0	82.0	81.3	84.1	95.7
2.0k	83.5	80.8	80.5	76.9	74.5	74.9	75.9	80.4	80.2	79.9	82.3	96.1
2.5k	84.1	81.5	81.0	80.1	77.5	75.9	77.8	79.8	79.7	79.6	85.2	100.2
3.2k	85.6	82.3	81.0	79.7	77.3	76.3	77.5	80.1	80.0	81.4	88.2	99.8
4.0k	83.6	81.1	79.8	75.9	73.9	72.5	74.1	77.3	78.5	80.4	80.5	101.8
5.0k	82.2	80.5	78.3	76.0	72.9	71.3	73.2	75.8	78.3	79.8	80.0	98.1
6.3k	79.2	80.3	78.4	75.2	72.5	70.3	71.7	75.1	77.7	77.6	79.8	97.2
8.0k	77.2	77.9	77.1	75.0	70.8	69.0	70.9	73.7	75.1	76.5	80.4	98.8
10.0k	77.3	74.2	73.0	72.3	67.9	65.5	67.2	68.8	70.3	73.3	77.8	98.0
12.5k	80.1	71.2	68.9	68.2	63.1	59.2	62.1	65.1	69.5	70.8	74.6	97.3
16.0k	78.3	71.8	63.1	62.6	54.6	52.2	55.9	62.7	69.7	74.1	70.9	96.6
20.0k	72.5	67.9	58.5	60.4	45.5	44.0	48.5	60.4	64.4	68.8	65.3	94.3
OVLT	111.7	108.7	107.4	105.3	103.3	101.5	104.4	106.8	107.8	108.9	108.9	126.7
LA	97.4	94.9	93.7	90.5	87.8	88.4	92.9	94.0	94.7	94.8	95.5	110.6
SPL	109.7	105.8	103.2	97.9	94.5	93.4	96.7	99.4	102.6	106.1	99.0	129.5

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.1	83.3	76.1	69.0	62.2	67.1	71.9	72.0	80.7	87.6	56.5	109.7
6.3	93.2	82.7	76.2	71.9	68.6	70.7	73.7	74.4	82.8	89.5	66.6	117.4
8	93.9	84.3	75.7	73.4	64.1	68.9	74.5	74.7	84.3	90.6	64.6	115.6
10	94.1	84.9	77.2	75.0	65.3	69.3	76.7	76.0	85.8	90.9	67.2	116.5
12.5	95.4	85.4	80.7	76.3	67.8	83.4	88.3	87.8	90.7	93.2	86.7	119.1
16	94.2	84.3	77.0	74.7	66.4	75.4	82.8	81.2	86.4	91.1	78.5	118.8
20	94.1	85.6	79.0	75.4	67.5	68.5	76.0	77.6	86.2	91.6	71.5	120.1
25	108.0	103.9	102.7	96.7	82.0	87.8	92.9	95.4	100.0	103.5	92.3	121.5
32	100.3	95.4	93.9	87.9	73.7	79.1	84.3	86.8	92.4	96.0	83.8	119.9
40	96.7	89.0	86.1	75.3	79.9	74.1	74.3	78.1	86.9	91.6	76.7	118.1
50	102.4	97.5	93.5	89.3	91.7	86.5	77.1	82.6	89.0	99.1	90.6	117.4
63	95.4	89.7	85.6	81.4	83.1	78.3	76.4	82.5	86.0	92.1	82.6	114.2
80	91.6	87.0	85.9	77.8	77.6	75.0	83.7	88.3	91.8	93.1	85.9	111.9
100	92.5	88.0	86.5	78.3	74.8	75.9	78.8	84.5	88.6	91.6	81.4	109.9
125	92.3	87.1	83.7	79.0	75.3	78.7	81.4	86.5	89.1	91.9	82.7	108.3
160	91.7	86.8	84.9	78.5	77.5	79.1	79.2	86.0	88.6	90.8	82.4	106.2
200	93.3	88.8	86.5	82.6	78.0	80.8	86.1	88.1	90.4	92.1	84.0	105.8
250	94.0	89.5	87.0	83.3	79.2	81.3	81.4	87.2	90.0	91.3	83.3	102.3
320	94.9	90.9	88.8	81.8	80.4	80.8	83.3	89.0	91.5	92.2	85.5	102.6
400	93.6	90.2	88.7	86.1	77.0	77.6	85.8	88.9	90.9	92.0	86.1	101.3
500	91.7	88.2	87.1	80.9	80.2	81.2	80.7	87.8	89.9	90.4	85.9	100.2
630	91.3	87.8	86.4	82.7	77.0	79.0	83.1	86.8	88.4	89.6	86.9	99.1
800	91.8	88.5	86.8	82.9	78.9	82.6	84.5	87.4	88.9	89.1	87.5	100.1
1.0k	91.4	90.0	88.0	83.5	79.5	83.0	85.3	88.0	89.0	88.3	89.3	98.4
1.25k	89.5	87.6	86.4	83.1	79.4	83.3	85.7	87.2	87.6	86.9	90.7	96.7
1.6k	87.0	84.8	83.7	79.9	76.1	79.4	81.8	83.7	84.1	83.6	86.4	96.7
2.0k	84.7	82.5	82.1	78.8	75.8	77.0	78.2	81.7	81.7	81.3	84.5	97.1
2.5k	85.5	82.8	82.1	80.9	78.2	77.0	78.8	80.4	81.1	81.4	86.0	100.6
3.2k	86.7	84.0	82.6	81.5	77.9	78.2	78.8	81.2	81.7	83.2	84.5	100.7
4.0k	84.5	82.6	81.4	77.8	74.6	74.4	75.3	78.3	80.0	82.0	81.9	101.8
5.0k	83.4	82.0	79.8	77.9	73.7	72.7	74.4	76.9	79.9	81.0	81.3	99.1
6.3k	80.5	81.9	79.7	77.0	73.3	71.8	73.1	76.1	79.1	79.0	81.2	98.3
8.0k	78.8	79.7	78.5	77.1	71.9	70.4	72.4	74.9	76.6	77.9	81.8	100.0
10.0k	78.4	75.9	74.3	74.1	68.7	66.9	68.8	70.0	71.7	75.0	79.3	99.4
12.5k	81.0	73.2	70.1	70.0	64.2	60.8	63.6	66.1	71.2	72.7	76.1	99.1
16.0k	79.9	73.8	65.1	64.1	55.9	53.9	57.8	63.9	71.7	75.9	72.6	98.5
20.0k	74.3	70.0	60.7	60.8	46.3	45.0	51.0	62.5	66.3	70.6	67.0	96.4
PNLT	113.9	111.0	109.4	107.4	104.2	103.6	106.2	108.3	109.9	111.2	110.6	127.6
LA	100.2	97.5	96.0	92.7	88.9	90.8	93.0	95.9	97.2	97.6	97.7	111.7
SPL	111.5	106.9	105.1	99.7	95.1	95.2	98.3	101.3	104.7	108.1	100.6	129.3

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 1.9

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.7	79.5	69.3	66.2	61.6	64.4	72.1	72.5	81.6	92.1	56.1	111.1
6.3	93.9	81.9	72.7	70.8	68.8	68.3	73.3	74.7	82.2	91.8	65.7	120.4
8	94.3	82.1	72.8	69.6	64.5	66.8	74.5	74.2	81.9	91.0	64.9	116.5
10	94.7	82.2	75.4	73.3	66.8	67.6	76.7	76.1	84.7	90.4	67.7	117.2
12.5	95.6	85.5	81.3	77.1	69.9	83.7	88.4	88.2	90.2	95.1	86.8	120.2
16	94.7	82.8	77.9	73.8	67.3	75.8	82.9	81.1	86.2	91.9	78.7	119.4
20	94.7	84.6	79.5	75.7	67.5	70.4	77.2	78.0	86.3	92.1	72.7	120.7
25	108.4	104.5	103.1	97.5	82.3	88.3	92.7	94.8	99.3	103.5	91.6	123.1
32	100.6	95.9	94.3	88.6	74.2	79.7	84.4	86.4	91.5	96.8	83.4	120.3
40	96.8	89.2	86.2	74.6	80.1	75.3	75.1	78.7	86.0	92.3	77.4	118.3
50	102.5	97.5	93.6	88.8	92.3	86.7	79.9	83.3	90.7	99.5	90.6	117.9
63	95.5	89.4	86.0	81.2	83.7	78.7	76.6	82.6	86.2	92.8	82.8	114.3
80	92.7	86.4	85.7	78.5	79.0	77.2	86.2	91.5	94.6	94.8	86.4	112.6
100	93.0	88.5	87.7	79.4	75.9	74.9	78.3	84.2	87.8	90.7	80.2	110.4
125	92.1	87.5	84.9	79.6	76.6	76.6	79.9	84.9	87.8	90.8	81.5	108.1
160	92.3	87.8	85.7	78.8	78.3	77.4	79.2	85.1	87.8	89.9	81.4	106.4
200	93.5	89.5	87.2	83.2	79.0	79.7	84.6	86.9	88.9	91.0	83.7	105.3
250	94.0	90.1	87.9	83.5	80.4	79.8	81.0	85.6	88.4	90.3	82.3	102.6
320	95.5	91.9	89.9	82.2	82.4	79.3	81.5	87.4	90.1	91.4	85.3	102.3
400	94.9	91.9	90.4	87.2	79.4	77.2	85.2	87.6	89.7	91.4	86.2	101.5
500	93.7	90.4	89.4	82.7	83.3	81.2	80.9	87.5	89.6	90.6	86.4	100.8
630	92.4	89.4	88.7	84.4	79.9	79.9	84.4	87.6	88.9	89.9	88.1	99.9
800	93.0	90.2	89.3	84.8	82.3	83.6	86.9	88.9	90.6	90.3	89.2	101.3
1.0k	92.7	91.8	90.1	85.1	82.7	85.2	88.6	90.2	91.5	90.1	91.7	100.3
1.25k	91.3	90.4	89.9	85.1	82.6	85.8	89.0	90.4	90.6	88.5	93.4	98.0
1.6k	88.7	86.9	86.6	82.1	79.6	81.3	85.0	85.9	86.2	85.4	89.1	97.8
2.0k	86.6	84.4	84.7	81.0	78.4	78.9	81.3	84.1	83.8	82.8	86.8	99.3
2.5k	87.0	84.6	84.4	82.5	80.5	78.[illegible]	81.4	82.0	82.8	82.8	87.5	101.4
3.2k	88.3	85.5	84.7	82.8	80.4	79.8	81.4	82.8	83.4	84.3	86.4	101.6
4.0k	86.3	83.9	83.2	79.1	76.9	75.6	77.5	79.8	81.3	83.1	83.6	102.0
5.0k	84.9	83.3	81.6	79.0	75.8	74.0	76.1	77.9	80.8	82.2	82.8	99.8
6.3k	81.7	83.0	81.3	78.0	75.1	72.9	74.7	77.1	80.1	79.9	82.5	99.3
8.0k	79.9	80.9	80.2	77.9	73.6	71.5	73.8	75.7	77.5	78.8	82.9	100.9
10.0k	79.8	77.3	76.0	74.9	70.2	67.9	70.4	71.1	73.0	75.7	80.6	100.6
12.5k	82.6	74.2	72.0	70.7	65.3	61.9	65.4	67.3	72.6	73.3	77.6	100.3
16.0k	81.4	75.1	67.4	64.7	57.5	55.2	59.8	64.9	73.2	77.0	73.9	100.1
20.0k	75.7	71.3	63.3	61.0	48.0	46.3	52.5	63.1	68.0	71.6	68.7	98.0
PNLT	115.1	112.4	111.3	108.6	106.6	104.7	107.8	109.4	110.9	111.9	112.9	128.2
LA	101.5	99.3	98.4	94.2	91.6	92.4	95.5	97.5	98.6	99.4	99.8	112.5
SPL	112.0	107.5	105.8	100.5	96.4	95.8	99.1	101.6	104.7	108.4	101.6	130.3

RPM = 404., Collective = 1.5 deg, Blade Pressure Ratio = 2.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.4	83.8	74.9	73.5	64.1	66.6	72.8	73.9	81.8	91.7	60.4	109.5
6.3	93.5	84.9	74.7	76.0	66.5	70.1	74.8	75.5	82.5	92.3	66.8	119.1
8	94.9	85.1	76.8	75.7	65.3	69.3	74.9	75.3	83.6	94.2	65.3	117.3
10	95.5	85.4	77.2	78.1	67.0	70.2	76.6	76.6	85.0	93.3	68.1	118.0
12.5	96.2	87.7	83.2	80.8	71.3	84.3	88.7	88.8	91.5	94.4	87.7	119.8
16	94.5	86.4	78.7	77.7	68.6	76.8	81.1	82.0	86.5	92.1	79.6	119.7
20	95.9	86.9	80.5	78.7	69.6	72.6	77.0	79.7	86.8	92.6	75.5	121.3
25	109.0	104.9	103.3	98.4	82.9	88.1	92.4	94.8	99.7	103.7	92.5	122.3
32	101.2	96.4	94.6	89.7	74.8	79.4	84.0	86.5	92.0	97.2	84.3	120.4
40	96.7	89.9	85.9	77.0	80.3	76.1	74.1	79.2	86.4	93.2	77.7	119.0
50	103.3	98.4	94.1	89.5	93.3	88.2	77.2	83.6	91.6	100.0	91.1	118.8
63	96.4	90.2	86.2	81.6	84.7	79.8	75.6	82.2	86.4	93.1	83.2	115.4
80	93.7	87.0	85.3	77.5	79.6	78.5	86.3	91.5	90.4	94.3	86.9	113.3
100	93.1	88.1	86.0	78.2	74.8	75.9	78.5	84.3	88.1	91.2	82.4	110.7
125	92.5	87.3	83.4	79.0	75.7	78.7	80.9	86.4	89.1	91.9	82.9	108.8
160	92.3	87.3	84.5	78.2	77.0	78.9	78.8	86.2	88.3	90.5	82.3	107.6
200	93.3	89.0	86.1	82.5	78.1	80.6	85.3	87.7	89.3	91.3	84.8	106.0
250	93.4	89.1	86.7	82.8	79.4	80.5	82.9	86.3	89.0	90.4	83.1	103.0
320	94.2	90.4	88.3	81.3	80.7	80.3	82.3	88.0	90.5	91.4	85.4	102.5
400	94.3	90.6	89.1	86.9	78.1	77.2	84.9	88.4	90.0	91.1	86.6	101.8
500	93.8	90.2	89.0	82.9	82.8	81.9	81.3	88.5	90.1	90.5	87.4	101.6
630	93.8	90.5	89.2	85.4	80.3	81.4	85.2	89.3	90.2	90.7	89.3	101.4
800	94.7	92.1	90.7	86.9	83.8	85.9	88.2	90.9	92.3	92.0	91.8	102.8
1.0k	94.3	92.9	91.2	87.3	83.9	87.4	90.1	92.4	93.6	91.8	94.2	102.1
1.25k	93.0	92.0	91.1	86.7	83.4	87.3	90.5	93.0	93.1	90.3	94.9	99.3
1.6k	90.0	88.5	87.9	84.5	80.8	83.6	87.0	89.1	89.0	86.9	94.9	98.9
2.0k	87.7	85.7	85.8	83.5	80.1	81.0	83.6	86.9	86.6	84.3	88.5	99.4
2.5k	88.3	85.5	85.0	84.3	81.7	80.4	83.8	85.1	85.5	84.1	88.8	102.0
3.2k	89.3	86.4	85.2	84.2	81.3	81.5	83.2	85.6	85.7	85.6	88.1	102.0
4.0k	87.0	84.7	83.7	80.5	77.7	77.2	78.9	82.2	83.1	83.9	85.6	102.8
5.0k	85.9	84.1	81.9	79.9	76.3	75.0	77.3	80.2	82.5	83.0	84.4	100.4
6.3k	82.3	83.6	81.6	78.9	75.6	73.0	75.6	79.2	81.4	80.8	84.0	100.2
8.0k	80.8	81.6	80.4	78.9	74.0	72.3	74.9	77.8	78.8	79.7	84.4	101.7
10.0k	81.0	78.1	76.2	75.9	70.8	68.8	71.3	73.2	74.3	76.8	81.9	101.6
12.5k	83.8	75.4	72.1	71.8	65.8	63.0	66.5	69.7	74.1	74.6	79.2	101.6
16.0k	82.5	76.4	67.3	65.3	58.0	56.5	60.8	67.8	74.9	78.4	75.7	101.4
20.0k	77.0	72.8	62.9	61.1	48.3	47.0	53.9	65.9	69.8	73.3	70.6	99.7
PNLT	115.9	113.1	111.6	109.8	107.2	106.3	109.3	111.6	112.6	112.9	113.4	129.0
LA	102.5	100.3	99.1	95.8	92.5	94.2	97.1	99.8	100.5	99.6	101.5	113.4
SPL	112.5	108.0	106.0	101.5	97.0	97.0	99.8	102.8	105.6	108.9	103.8	130.3

RPM = 204., Collective = 1.5 deg, Blade Pressure Ratio = 2.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	96.8	85.7	74.6	74.9	61.1	68.9	70.3	70.6	79.6	91.2	60.3	110.9
6.3	98.7	86.4	76.1	77.4	68.5	69.0	73.2	73.2	81.7	90.0	68.1	122.9
8	99.1	87.2	76.4	78.3	65.5	68.3	73.7	73.4	82.3	91.2	66.6	117.2
10	99.3	87.0	78.0	78.4	66.2	69.8	75.9	73.8	84.5	90.4	68.8	117.0
12.5	99.1	88.8	82.4	81.6	70.8	83.6	88.2	87.8	90.1	93.0	88.0	119.0
16	98.4	86.5	79.0	78.6	68.2	76.2	80.8	80.8	85.8	92.3	80.0	118.6
20	97.5	87.8	80.5	79.6	69.9	73.3	79.0	79.3	86.3	93.0	77.9	119.4
25	108.6	105.0	102.7	98.7	82.3	87.7	92.7	95.2	100.2	104.0	92.7	121.4
32	101.8	96.6	94.1	90.2	74.8	79.4	84.4	86.8	92.7	97.1	84.8	118.7
40	98.8	89.4	85.1	76.9	80.0	76.8	75.3	78.8	86.2	91.3	79.9	116.8
50	104.0	98.7	93.7	89.3	93.5	89.5	79.0	86.4	93.6	100.7	92.1	118.3
63	97.6	90.7	86.1	81.6	84.7	81.3	76.7	83.6	87.9	93.7	84.4	114.7
80	96.2	88.7	86.6	79.5	79.9	78.5	86.1	91.2	93.8	94.2	87.8	113.2
100	94.5	89.9	87.2	79.9	76.4	75.6	78.8	84.7	88.0	91.2	83.4	110.4
125	94.0	89.6	85.4	81.2	77.9	78.9	81.0	86.4	89.1	92.3	83.8	109.3
160	93.8	89.0	85.6	79.9	78.8	80.4	82.1	87.0	89.2	91.1	84.0	108.3
200	94.5	89.9	86.4	83.8	79.0	81.3	85.8	87.6	89.7	91.1	85.9	107.6
250	94.0	89.7	86.6	83.7	79.8	81.0	81.8	86.3	88.9	90.3	84.7	104.6
320	95.4	91.4	88.1	81.6	81.1	80.4	82.5	87.9	89.9	91.2	86.2	104.1
400	95.3	91.3	88.6	87.1	78.0	78.3	85.5	88.5	89.7	91.0	87.1	102.8
500	95.0	91.2	88.7	87.1	82.7	82.8	81.9	88.4	89.9	91.6	88.3	102.9
630	96.2	92.3	89.9	86.3	80.9	82.4	85.9	89.2	90.2	92.4	90.3	103.3
800	98.0	95.5	92.5	89.1	85.8	87.5	80.9	91.8	93.3	94.1	93.3	104.9
1.0k	96.7	95.8	93.2	90.1	86.7	90.3	92.4	93.7	95.2	94.9	96.1	103.9
1.25k	95.1	94.4	92.5	89.1	85.7	90.9	93.5	95.0	95.0	92.0	96.6	100.9
1.6k	92.5	91.1	89.4	86.4	82.5	87.0	90.1	90.5	90.0	88.6	92.9	100.2
2.0k	89.4	88.3	87.2	85.9	81.9	83.6	86.3	88.1	87.8	85.8	90.0	100.3
2.5k	89.6	87.5	85.8	86.0	83.1	84.0	87.0	87.0	87.2	85.9	90.7	102.5
3.2k	90.5	88.1	86.1	85.8	82.5	84.7	85.8	87.1	87.0	87.1	90.6	102.5
4.0k	87.8	86.2	84.3	81.7	78.7	79.8	81.2	83.7	84.3	85.0	87.8	102.8
5.0k	86.7	85.2	82.4	81.1	77.1	77.5	79.6	81.6	83.2	83.9	86.3	100.9
6.3k	83.3	84.8	82.0	79.9	76.3	76.1	77.6	80.3	82.0	81.4	85.8	100.6
8.0k	81.8	82.4	80.7	79.6	74.8	74.5	76.5	78.8	79.1	80.7	85.9	102.2
10.0k	81.9	79.0	76.7	76.7	71.8	72.9	73.0	74.5	75.0	77.5	83.7	102.1
12.5k	84.6	76.7	72.6	72.4	66.9	66.1	68.4	70.8	75.2	75.8	80.9	102.1
16.0k	83.4	77.7	68.3	66.5	59.0	61.0	63.2	69.3	75.8	79.5	77.9	102.2
20.0k	78.0	73.9	64.0	61.4	50.5	56.1	54.7	67.2	70.6	74.5	73.5	100.4
PNLT	117.3	114.8	112.4	111.2	108.3	108.8	111.5	112.7	113.5	114.0	115.3	129.5
LA	104.5	102.6	100.3	97.7	94.2	97.1	99.6	101.1	101.7	101.1	103.3	114.3
SPL	113.6	108.8	105.9	102.3	97.8	99.8	101.2	103.5	106.1	109.1	104.5	130.0

RPM = 404,, Collective = 3.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	61.4	54.7	51.9	56.4	48.8	79.4	45.7	47.4	57.6	60.8	47.9	83.4
6.3	62.9	58.8	55.9	57.2	51.7	78.3	51.4	52.3	57.8	62.1	51.3	87.0
8	64.7	56.9	55.9	57.2	50.6	78.4	52.1	52.8	59.6	63.7	54.9	88.6
10	67.4	64.6	62.1	61.7	57.4	78.5	61.8	59.2	64.6	66.3	55.4	90.9
12.5	69.2	64.5	62.5	63.0	58.6	77.1	63.3	63.3	65.8	69.3	59.4	92.6
16	66.4	63.6	60.5	60.5	56.9	75.9	59.1	58.2	62.8	66.4	59.8	93.2
20	70.1	67.0	65.8	65.4	61.3	74.8	60.3	58.6	63.0	66.8	63.5	93.8
25	95.2	90.2	85.7	86.6	75.8	78.6	84.0	81.0	85.0	90.6	90.1	106.2
32	85.9	80.7	76.2	77.2	67.5	73.7	74.7	72.0	76.3	81.1	80.6	98.7
40	79.0	75.5	72.7	71.6	65.3	72.4	68.2	67.2	69.0	69.2	71.8	93.4
50	95.2	92.8	89.5	83.9	82.2	80.9	78.1	84.0	83.7	81.7	80.5	106.6
63	86.0	83.4	80.2	74.9	73.0	73.5	69.6	74.9	75.5	75.2	72.0	97.9
80	87.3	89.3	86.9	80.0	78.5	76.0	70.1	85.0	88.5	92.0	79.9	105.4
100	89.4	87.6	86.0	78.8	73.9	69.5	69.6	79.3	88.2	87.6	82.4	94.6
125	89.0	86.7	83.2	80.1	75.7	73.3	71.5	80.0	83.7	86.6	80.1	92.7
160	85.3	83.4	82.5	74.5	74.2	71.5	71.2	78.0	81.8	83.2	74.6	90.9
200	84.4	83.1	81.7	77.9	71.7	70.9	74.0	78.3	80.9	83.6	75.5	91.7
250	85.6	84.0	81.7	76.9	74.3	72.3	73.0	76.8	80.4	83.5	75.8	95.1
320	86.8	85.3	83.8	74.7	75.7	70.6	70.2	77.7	80.7	82.8	76.9	93.5
400	86.4	84.8	83.2	79.2	71.4	67.3	72.4	77.1	80.0	83.2	76.8	91.4
500	85.1	83.0	81.7	73.8	72.7	69.1	70.2	77.0	79.6	82.2	75.7	91.8
630	84.1	82.0	80.2	75.3	69.4	70.2	75.8	81.0	80.2	83.8	77.0	91.9
800	81.8	80.1	78.0	73.0	69.5	70.7	71.3	76.4	79.5	81.1	77.2	94.8
1.0k	80.1	78.2	76.8	72.5	68.8	69.4	71.6	75.3	78.3	79.7	75.1	90.3
1.25k	80.5	77.6	76.5	72.5	69.4	69.3	71.1	75.6	77.8	79.3	76.1	90.4
1.6k	79.5	77.0	76.0	72.6	69.6	68.7	70.7	74.4	77.0	78.3	74.9	90.3
2.0k	76.3	75.3	73.6	71.9	68.8	68.8	69.5	73.2	76.2	76.1	73.9	88.4
2.5k	76.0	73.9	73.2	72.3	70.2	70.1	70.7	72.6	75.1	74.7	77.9	95.9
3.2k	74.7	72.3	70.7	69.2	67.4	69.0	69.8	71.9	75.0	74.1	75.7	95.5
4.0k	71.8	70.1	67.6	63.7	62.1	64.2	65.2	67.8	71.0	70.5	70.9	92.8
5.0k	73.4	71.3	69.3	65.1	63.6	64.6	66.8	71.0	72.1	70.5	74.0	96.1
6.3k	67.8	66.1	64.6	58.8	57.1	59.7	59.8	66.1	68.4	64.6	68.6	87.9
8.0k	68.4	64.8	64.4	58.9	55.8	58.5	62.0	66.2	67.3	62.1	69.4	89.3
10.0k	66.0	59.9	59.4	54.1	50.9	54.2	53.7	61.6	61.9	59.9	66.1	85.3
12.5k	65.1	54.3	54.2	50.3	46.1	49.6	48.5	57.0	57.7	63.0	63.4	84.2
16.0k	62.5	48.3	49.3	48.9	42.5	45.1	43.3	51.9	56.8	60.9	59.6	81.9
20.0k	55.7	45.4	44.7	49.5	42.5	42.9	38.1	48.6	56.8	53.1	54.7	80.5
PWLT	105.2	103.3	101.6	98.1	95.2	94.1	96.8	100.7	101.9	102.5	102.3	121.0
LA	91.4	89.4	87.9	83.5	80.4	80.0	81.7	86.1	88.3	89.9	86.8	104.7
SPL	101.1	98.6	96.0	91.8	87.6	89.5	88.4	92.1	94.6	97.8	93.6	112.7

RPM = 404., Collective = 3.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	68.3	61.0	58.2	54.3	48.2	73.4	50.9	52.0	59.7	63.0	47.9	93.8
6.3	70.0	66.2	63.5	62.2	56.1	73.5	63.5	60.8	62.3	66.0	59.8	107.4
8	69.6	65.3	62.6	59.6	52.0	72.5	55.7	55.4	60.7	64.9	55.4	101.1
10	71.5	69.1	63.8	64.0	57.9	71.7	62.7	60.1	64.8	68.1	57.2	100.4
12.5	72.9	68.3	64.5	64.7	60.2	71.0	64.6	64.2	66.8	70.0	60.6	107.0
16	71.1	67.4	63.5	60.8	56.0	69.6	59.0	58.7	63.7	68.1	58.7	103.3
20	73.2	69.1	66.6	65.4	61.4	67.6	64.4	65.1	68.4	71.3	64.4	106.2
25	94.9	89.6	84.2	85.2	75.8	74.2	85.0	85.5	88.1	93.3	90.9	107.3
32	85.2	79.8	74.4	75.5	67.3	66.7	75.3	76.0	79.5	83.5	81.0	105.6
40	79.4	75.9	73.1	72.1	65.8	67.8	69.0	68.3	70.4	70.9	72.6	104.9
50	92.5	90.1	87.2	88.1	78.6	79.8	78.1	84.1	84.4	85.5	80.3	106.8
63	83.2	80.9	77.9	71.7	69.9	73.1	69.1	74.7	76.0	77.6	72.0	103.4
80	89.3	90.3	87.9	81.5	78.5	74.3	78.5	85.5	88.8	92.4	77.8	106.8
100	88.0	86.0	85.2	77.2	73.0	65.5	67.9	79.1	81.2	86.9	81.8	101.0
125	87.6	85.1	82.1	78.6	75.2	70.5	73.3	79.3	83.0	85.9	79.6	99.5
160	84.6	81.9	81.3	73.0	72.4	69.6	73.3	78.2	81.9	81.1	72.5	98.4
200	80.9	79.7	79.8	75.1	69.6	68.8	71.4	76.9	79.4	80.3	71.1	98.0
250	79.7	79.3	77.0	71.8	70.1	69.2	69.0	71.6	75.1	77.4	74.3	98.2
320	80.5	78.6	76.6	69.5	69.5	67.2	67.2	73.1	75.9	77.4	73.8	96.7
400	80.5	78.2	76.0	71.2	66.9	63.0	68.5	72.5	75.0	76.7	73.3	94.7
500	78.9	75.9	74.0	67.9	67.6	65.5	66.8	72.8	75.1	77.1	73.5	93.3
630	79.8	77.0	75.7	70.3	67.4	68.9	74.7	79.6	76.4	81.5	73.9	92.8
800	78.2	77.3	75.0	70.2	68.1	69.3	70.0	74.5	76.8	78.0	76.4	94.7
1.0k	77.6	75.3	73.6	69.1	66.8	67.6	69.6	73.1	75.7	76.7	73.4	90.1
1.25k	78.6	75.5	74.4	70.0	68.1	67.9	70.3	73.8	76.1	77.5	75.0	90.9
1.6k	78.0	75.7	75.2	71.0	69.0	68.1	70.3	73.1	75.7	76.4	75.4	90.9
2.0k	75.3	74.5	72.9	70.2	68.4	68.4	68.9	72.1	74.9	74.3	74.7	88.9
2.5k	78.5	77.3	75.8	73.6	73.3	71.2	70.9	73.3	76.3	75.2	80.1	97.3
3.2k	77.6	76.1	72.8	71.6	70.1	69.5	70.4	72.3	75.2	74.8	77.0	96.9
4.0k	74.3	73.1	70.3	66.3	65.4	64.8	65.6	69.0	71.9	71.5	72.1	93.7
5.0k	75.9	74.6	71.9	67.5	66.3	65.6	66.0	72.1	73.3	71.5	74.0	96.5
6.3k	72.5	71.6	70.3	64.3	63.0	61.3	62.0	68.4	70.5	66.6	70.7	89.4
8.0k	73.9	70.8	70.3	64.1	61.8	60.3	61.9	68.7	69.6	62.9	71.5	90.9
10.0k	73.2	67.4	67.3	61.0	58.9	55.5	56.8	64.4	64.6	62.8	68.2	87.6
12.5k	71.4	62.0	61.9	56.6	52.6	49.2	51.1	59.7	59.9	66.0	65.3	85.7
16.0k	66.4	57.1	54.5	51.4	45.7	42.2	45.3	53.8	56.8	63.5	61.2	83.5
20.0k	59.2	49.8	47.7	50.0	42.5	36.5	38.6	49.3	56.8	55.2	55.7	81.6
PNLT	104.4	102.7	100.9	97.5	96.8	93.9	96.9	100.9	101.3	103.0	103.4	122.9
LA	89.3	87.4	85.7	81.8	80.3	79.5	81.0	84.9	86.7	87.6	87.1	105.8
SPL	99.6	96.9	94.3	90.0	86.0	86.0	88.4	92.3	94.7	98.2	93.7	117.1

RPM = 404., Collective = 3.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	72.3	67.5	57.1	58.6	47.4	72.9	65.7	58.5	64.2	66.6	49.8	96.7
6.3	74.5	68.8	64.0	63.4	56.6	73.8	66.0	63.9	67.1	68.8	56.9	114.0
8	73.6	69.9	61.2	62.3	52.8	72.4	65.7	63.2	66.0	69.7	56.5	108.4
10	74.6	71.3	64.6	63.7	57.3	70.4	67.2	63.3	67.9	71.4	58.3	107.5
12.5	81.8	76.6	74.3	72.0	67.9	72.6	75.9	75.9	79.8	81.5	72.3	113.5
16	76.8	72.9	67.7	65.2	61.1	69.7	69.6	68.3	72.7	74.7	65.6	110.8
20	77.1	72.8	67.2	65.8	61.9	68.4	66.0	66.1	71.1	73.8	64.4	112.5
25	94.9	90.6	86.4	72.7	77.0	77.2	82.8	86.9	88.8	92.9	88.9	113.8
32	86.4	82.0	77.7	66.8	69.2	69.1	74.4	78.1	80.8	83.9	79.9	115.1
40	81.4	77.2	73.7	71.7	67.6	68.3	69.1	69.2	72.8	75.1	71.5	113.7
50	86.2	84.6	82.4	76.3	72.3	75.7	73.4	81.2	84.7	86.5	72.5	112.8
63	82.2	79.3	75.9	71.3	67.7	68.3	68.7	74.8	78.8	81.1	70.9	110.8
80	90.1	89.4	86.8	79.7	76.6	72.0	76.0	82.9	87.3	91.9	78.0	109.9
100	88.3	86.1	84.8	77.2	72.2	65.5	69.1	76.1	78.8	84.[illegible]	81.4	108.2
125	88.5	86.5	83.3	79.2	75.3	68.9	69.7	77.7	81.3	85.1	79.4	106.8
160	87.2	84.8	83.1	75.2	74.5	73.3	71.8	78.6	82.3	84.8	75.6	105.3
200	87.6	86.2	83.9	79.1	73.7	69.9	74.6	79.3	82.4	85.3	76.4	104.5
250	87.8	86.7	84.3	79.2	75.3	72.1	73.2	78.2	81.5	85.1	76.1	102.8
320	88.8	87.4	85.6	75.8	76.5	70.3	73.5	79.3	82.2	84.6	77.9	102.5
400	87.7	86.5	85.2	80.6	72.8	66.5	73.6	78.9	81.9	84.8	78.5	100.4
500	86.0	85.1	83.9	75.3	74.5	69.3	72.8	78.4	81.3	84.0	77.1	98.7
630	85.6	84.0	82.2	76.6	71.7	72.4	75.6	81.9	81.3	85.0	78.5	97.1
800	83.9	82.7	80.2	74.9	71.1	73.7	72.9	77.6	80.5	82.4	76.9	96.1
1.0k	81.8	80.3	78.1	73.4	69.8	68.9	71.2	76.1	79.2	80.8	75.1	93.1
1.25k	81.7	79.3	77.6	73.3	70.5	68.1	71.9	75.9	78.4	80.1	76.8	92.2
1.6k	80.8	79.1	77.8	73.4	72.1	68.1	69.7	74.2	77.2	78.9	76.[illegible]	91.7
2.0k	78.2	76.8	75.1	71.5	69.4	67.7	67.9	72.5	75.5	75.6	75.8	90.5
2.5k	78.9	77.1	75.7	73.9	71.9	69.7	70.4	73.3	76.8	76.1	79.3	96.5
3.2k	81.0	79.0	75.9	75.1	72.9	71.5	72.2	74.7	77.5	77.3	79.1	97.7
4.0k	78.0	76.6	73.6	69.8	68.1	66.4	67.5	71.1	74.4	73.7	74.4	93.0
5.0k	79.5	77.8	75.1	70.6	68.5	67.4	67.9	74.1	76.1	73.9	77.4	97.4
6.3k	77.5	75.5	74.0	68.1	66.4	63.4	64.5	71.4	73.8	72.3	73.8	91.0
8.0k	78.4	74.7	74.3	67.7	64.7	62.3	64.3	71.6	72.6	66.0	74.4	93.9
10.0k	77.6	71.2	71.3	64.4	62.3	58.1	59.7	67.3	68.8	66.1	71.3	89.3
12.5k	76.8	66.7	65.8	59.8	55.8	51.7	53.9	62.5	62.8	69.4	67.9	87.5
16.0k	73.1	63.2	58.3	53.6	48.5	44.4	47.7	56.1	57.0	66.7	63.7	85.1
20.0k	65.8	58.2	51.1	50.1	42.5	36.7	39.6	50.1	56.8	57.6	57.6	82.3
PNLT	107.9	106.1	103.8	101.0	97.2	96.0	97.7	102.3	103.7	104.5	103.7	125.1
LA	93.7	92.1	90.2	85.4	82.5	82.3	82.1	87.2	89.6	91.1	88.6	107.8
SPL	100.8	98.5	96.1	89.9	87.0	85.9	84.9	93.0	95.8	99.0	93.3	123.7

RPM = 404,, Collective = 3.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	78.7	74.0	66.6	63.8	53.1	72.2	55.3	57.6	63.3	71.9	49.7	98.7
6.3	79.4	73.6	69.0	65.8	60.7	73.9	61.3	61.7	66.4	73.0	62.8	112.8
8	80.1	75.2	69.0	67.0	57.1	72.3	58.7	60.6	65.2	74.6	58.6	107.7
10	81.6	76.7	71.2	68.1	59.9	72.4	60.2	63.4	69.7	75.8	59.1	108.7
12.5	81.8	78.3	74.9	72.3	66.9	72.9	76.4	76.8	80.4	82.2	73.8	118.5
16	81.7	77.0	72.0	67.7	61.1	70.0	68.1	66.7	73.3	76.9	66.7	114.3
20	83.1	78.9	73.0	68.2	63.0	68.5	67.2	69.6	73.4	77.4	65.8	114.7
25	99.2	96.3	94.0	85.0	77.4	79.3	80.7	90.0	93.0	96.8	87.2	116.1
32	90.5	87.5	84.6	76.9	69.1	71.1	75.7	80.9	84.2	87.5	78.1	115.3
40	84.5	79.5	76.0	72.2	69.7	65.9	60.4	70.1	73.9	78.7	72.7	114.4
50	89.5	84.9	82.3	78.9	78.0	75.3	73.3	78.0	85.0	90.9	80.8	113.8
63	84.4	80.3	76.4	72.3	70.4	68.3	68.0	73.7	78.7	83.1	73.8	113.4
80	87.1	85.6	84.8	79.9	74.6	69.3	72.5	79.8	83.6	88.2	76.4	112.0
100	85.0	83.9	83.2	75.5	72.8	69.2	70.7	78.2	83.9	84.3	78.6	111.3
125	86.1	84.6	81.3	76.9	73.4	71.0	72.0	79.5	82.2	85.0	78.6	110.2
160	85.8	84.2	83.1	74.4	75.0	72.4	73.6	82.4	83.7	84.2	76.7	108.8
200	87.1	85.8	83.6	79.3	74.9	73.3	78.2	81.6	84.4	87.2	78.0	107.8
250	86.8	85.2	83.3	78.0	74.6	74.5	75.6	80.7	83.8	86.9	77.3	105.9
320	87.0	86.1	84.8	76.1	76.0	72.4	72.8	81.3	84.0	86.2	79.6	105.5
400	86.9	85.6	84.5	80.5	72.7	68.7	76.1	80.8	83.5	84.0	79.4	103.6
500	85.4	84.0	83.3	75.6	74.5	71.5	73.1	80.5	82.7	85.1	78.2	102.5
630	85.0	83.2	82.2	76.8	71.6	71.6	77.6	82.3	82.3	86.0	79.2	100.9
800	83.6	83.0	81.2	75.5	72.0	72.4	73.8	78.8	81.7	83.4	77.8	99.8
1.0k	81.8	81.0	79.4	74.1	72.8	71.2	73.2	77.7	80.6	81.8	76.8	97.1
1.25k	82.0	80.3	78.7	73.8	73.8	70.7	72.7	77.4	79.9	81.0	77.9	95.5
1.6k	81.1	79.5	78.1	73.1	71.0	70.0	70.9	75.8	78.5	79.2	77.3	94.8
2.0k	79.4	78.3	77.1	72.8	70.5	69.7	69.6	74.6	77.1	77.0	76.6	93.1
2.5k	80.5	79.4	77.5	75.8	74.3	71.8	71.8	75.2	77.8	77.3	79.6	97.3
3.2k	82.9	81.2	77.9	76.9	75.1	73.1	73.8	76.0	78.8	78.3	80.7	98.1
4.0k	80.5	79.5	76.0	72.1	70.2	68.5	69.4	73.1	76.4	75.3	76.1	94.1
5.0k	81.8	80.5	77.3	72.5	70.3	68.4	69.1	75.6	77.8	75.6	77.9	96.7
6.3k	81.2	79.1	77.4	71.0	69.3	66.8	66.9	73.9	76.2	73.0	75.8	93.1
8.0k	80.9	78.0	77.6	70.6	67.6	64.8	66.6	74.1	75.1	68.3	76.0	94.6
10.0k	80.3	74.8	74.7	67.3	65.2	60.8	62.2	72.0	70.5	58.1	73.1	91.6
12.5k	78.6	70.8	69.3	62.6	58.6	54.4	56.4	64.9	65.1	71.1	69.7	89.9
16.0k	75.1	66.7	63.3	55.8	51.0	46.9	49.8	58.4	58.5	60.4	65.5	88.1
20.0k	67.4	62.5	58.5	50.3	42.8	37.6	41.1	51.9	56.8	59.6	59.4	85.2
PNLT	108.9	107.2	104.9	101.9	98.7	97.8	99.4	102.5	105.1	105.7	104.4	126.2
LA	94.2	92.7	91.0	86.3	83.7	82.2	83.9	88.8	91.1	92.3	89.7	110.2
SPL	102.5	100.0	97.9	91.4	87.6	87.2	89.5	94.6	97.6	100.9	93.3	125.8

RPM = 404,, Collective = 3.8 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	83.2	76.3	64.4	62.4	54.6	72.8	64.0	59.4	68.3	79.5	52.8	106.9
6.3	84.0	78.2	67.7	63.8	60.2	73.6	66.0	64.2	70.2	80.8	61.1	117.3
8	84.2	77.8	69.1	66.1	58.3	73.9	67.7	62.1	72.1	80.2	59.0	113.4
10	84.1	79.4	70.8	68.8	61.8	74.0	69.3	65.6	73.6	80.1	62.6	116.0
12.5	86.1	80.7	74.7	72.6	67.5	77.2	81.5	81.9	84.8	86.9	80.0	118.2
16	85.1	80.1	70.3	67.7	62.6	71.8	73.6	73.2	77.8	82.3	71.3	119.1
20	85.7	80.6	73.5	68.4	62.5	70.3	70.1	70.2	75.6	82.6	67.9	120.4
25	100.4	98.8	97.2	89.8	76.7	81.8	88.2	92.3	95.4	98.8	87.0	122.1
32	92.3	89.9	87.8	80.6	68.4	73.3	78.9	82.9	86.2	89.7	77.9	120.6
40	87.2	81.5	78.8	72.7	72.8	69.4	73.4	74.5	79.2	83.4	74.6	120.3
50	93.9	90.7	88.6	82.7	85.2	78.9	73.9	78.4	86.7	94.3	86.9	120.1
63	88.3	83.9	80.1	74.7	75.9	70.6	69.8	74.9	79.8	85.4	77.9	118.8
80	88.5	86.2	86.0	81.9	76.3	68.3	71.8	79.6	82.8	86.9	78.3	118.8
100	86.1	83.6	82.7	74.9	72.3	67.6	69.1	76.6	79.7	85.5	77.0	117.5
125	86.1	83.7	80.0	76.3	73.4	69.4	70.9	76.3	81.1	84.6	78.3	116.9
160	86.3	83.9	81.9	73.4	74.1	71.7	72.3	79.1	82.4	84.4	77.8	115.8
200	87.1	85.0	82.1	77.4	74.3	75.1	80.1	82.3	85.1	86.9	79.2	114.7
250	85.8	84.1	81.2	75.6	73.4	74.9	76.6	81.1	83.8	85.8	78.2	112.7
320	85.9	84.3	81.9	73.4	73.5	73.5	74.3	82.1	84.5	85.6	79.6	112.5
400	85.1	83.7	81.7	78.4	71.5	69.1	77.0	81.3	83.6	85.4	79.4	111.1
500	84.3	81.9	80.4	73.7	73.5	72.3	73.5	80.7	82.6	84.8	78.8	110.0
630	84.2	81.7	80.3	75.1	72.0	71.9	77.6	81.5	82.2	85.9	79.7	108.3
800	83.3	81.9	80.0	75.3	72.9	73.1	74.9	79.0	81.6	83.4	78.7	107.8
1.0k	82.2	80.0	78.2	73.6	71.4	71.2	73.6	77.2	79.9	81.6	77.8	105.8
1.25k	82.6	80.0	78.1	73.7	71.5	70.6	73.1	77.0	79.4	83.7	78.9	104.2
1.6k	82.1	79.5	78.1	73.3	71.9	69.8	71.2	75.6	78.3	78.7	77.2	101.8
2.0k	80.2	78.4	77.1	73.3	72.2	69.8	69.7	74.4	77.0	76.8	76.9	100.6
2.5k	81.1	79.8	77.8	76.9	75.7	72.3	72.6	75.2	78.0	77.2	80.3	101.6
3.2k	83.2	81.1	77.8	77.7	76.3	73.8	74.4	76.3	79.3	78.2	80.6	102.6
4.0k	81.2	79.4	76.6	73.1	71.7	69.4	70.1	73.5	76.9	75.6	76.8	99.2
5.0k	82.3	80.4	77.6	73.2	71.1	68.5	69.2	75.6	77.9	75.6	77.7	99.3
6.3k	82.2	79.6	78.2	72.2	70.6	67.8	67.8	74.8	77.3	73.8	76.8	97.5
8.0k	82.2	78.7	78.5	72.8	69.1	65.6	67.4	75.1	76.5	69.5	76.8	98.5
10.0k	81.6	75.2	75.6	68.7	66.9	61.9	63.4	71.2	72.8	69.4	74.3	96.3
12.5k	79.8	70.3	73.1	63.9	60.8	55.6	57.6	66.2	66.6	72.5	70.5	94.9
16.0k	76.3	66.8	63.4	56.8	55.6	48.1	51.3	60.1	59.8	70.1	66.6	94.2
20.0k	68.5	62.6	56.9	50.7	52.1	38.5	42.5	54.7	57.6	61.6	60.6	92.4
PNLT	109.3	107.0	104.7	122.2	99.7	97.3	99.7	122.6	105.4	105.7	104.8	131.4
LA	94.4	92.1	90.2	86.3	84.6	82.7	84.5	88.8	91.1	92.1	90.2	117.0
SPL	103.9	101.6	99.6	93.3	89.5	88.7	91.8	95.8	98.9	102.4	94.4	131.0

RPM = 404., Collective = 3.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	84.9	75.7	67.0	62.3	53.7	75.0	69.3	65.8	75.3	83.9	51.6	110.2
6.3	87.5	77.3	68.5	64.2	59.5	76.4	71.0	68.7	77.3	84.6	62.3	119.4
8	87.1	78.2	69.1	65.4	58.7	76.5	71.9	68.1	76.5	86.0	61.6	115.9
10	87.2	79.4	70.7	69.2	62.2	75.6	73.4	70.3	79.2	86.7	64.3	118.3
12.5	88.6	79.6	72.2	70.0	69.0	80.4	82.8	82.7	85.5	88.8	82.3	120.5
16	86.9	80.6	71.5	68.6	63.8	75.0	75.2	75.0	80.5	85.6	73.4	120.2
20	87.2	81.1	74.8	70.4	63.6	71.7	72.3	72.0	79.3	86.6	67.6	121.2
25	103.7	101.4	99.0	92.6	73.6	83.1	90.3	92.9	96.6	100.0	87.8	122.7
32	94.2	92.0	89.4	83.1	66.5	74.5	80.8	83.5	87.3	91.1	78.8	121.8
40	90.7	85.8	80.9	73.1	75.2	71.2	72.6	77.0	81.7	86.2	74.5	121.3
50	97.5	93.9	90.7	83.8	87.4	79.7	77.6	77.8	86.3	95.0	86.3	120.1
63	89.3	85.1	81.8	75.6	78.1	72.1	73.8	77.7	81.4	86.6	78.4	119.9
80	87.7	86.3	85.5	82.1	75.6	71.1	74.7	81.8	83.5	86.9	80.8	119.3
100	85.1	83.9	81.9	74.9	73.5	70.8	72.9	78.9	81.7	84.5	77.1	118.8
125	85.6	83.2	79.6	76.5	73.6	71.0	71.9	78.7	82.6	85.1	78.1	118.5
160	85.9	82.6	81.8	74.3	74.2	71.4	72.2	78.7	82.0	84.7	76.9	117.7
200	85.6	83.1	81.6	76.7	73.1	74.1	74.2	81.0	83.3	85.2	79.5	117.3
250	85.0	83.0	81.4	75.9	73.1	74.2	75.2	79.7	82.8	83.5	77.6	115.5
320	85.2	83.2	82.0	73.1	74.0	73.5	73.9	81.0	83.3	84.3	79.0	115.8
400	84.3	82.2	81.9	77.6	71.8	69.4	77.0	80.9	83.0	84.0	79.3	114.6
500	83.4	81.2	82.8	74.0	73.7	73.7	74.4	80.0	82.0	83.0	79.3	113.1
630	84.0	81.3	80.7	75.4	72.7	73.3	78.0	80.9	81.9	84.6	80.2	112.1
800	83.4	81.6	80.5	76.0	74.0	74.3	76.1	79.5	81.0	82.0	80.4	112.3
1.0k	81.9	83.1	79.1	75.1	73.3	72.9	75.3	78.1	79.6	80.7	80.8	110.0
1.25k	82.4	80.0	79.0	74.6	72.9	71.9	74.4	77.9	79.4	82.5	81.0	108.7
1.6k	82.7	80.3	79.5	75.1	73.7	70.9	72.7	76.9	78.4	78.8	79.5	107.0
2.0k	80.5	78.8	78.1	74.8	73.8	70.7	71.2	75.6	77.3	77.3	78.8	104.7
2.5k	81.5	80.3	79.0	76.0	77.0	72.8	73.8	76.3	78.5	78.0	81.8	104.9
3.2k	83.8	81.9	79.0	78.8	77.6	74.7	75.6	77.7	79.9	79.5	82.0	106.2
4.0k	82.0	80.4	77.8	74.5	73.4	70.1	71.7	75.2	77.7	76.9	78.6	102.8
5.0k	83.1	81.6	78.8	74.6	72.8	69.1	70.3	76.4	78.3	76.7	78.6	101.7
6.3k	82.8	80.8	79.4	73.6	72.3	68.1	69.4	76.2	78.0	74.4	78.5	100.6
8.0k	83.9	80.3	79.8	73.4	70.9	66.8	68.9	76.6	77.4	71.2	78.7	101.3
10.0k	83.4	77.0	77.0	70.2	68.7	63.1	65.2	73.3	73.4	71.1	76.3	100.0
12.5k	81.6	71.6	71.4	65.2	63.1	57.0	59.5	68.6	68.1	74.1	72.9	98.4
16.0k	78.1	66.9	65.1	58.3	58.7	49.6	53.1	62.9	61.2	72.0	68.4	97.5
20.0k	69.4	59.6	59.4	51.0	56.2	39.5	44.2	58.2	58.8	63.9	62.3	96.4
PNLT	109.7	107.5	105.6	103.1	101.0	99.2	100.9	103.5	105.7	106.0	106.1	134.5
LA	94.7	92.5	91.1	87.4	85.9	83.6	85.6	89.4	91.1	91.6	91.7	120.5
SPL	106.4	103.5	101.1	95.2	90.9	90.1	93.3	96.3	99.7	103.5	95.3	132.5

RPM = 404,, Collective = 3.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.3	83.1	73.1	69.9	53.1	75.0	69.1	63.2	73.2	82.3	53.7	106.0
6.3	88.6	83.6	74.7	72.5	66.4	74.7	72.1	67.3	74.8	82.9	66.5	118.7
8	87.7	85.0	75.5	72.3	61.3	75.2	71.0	66.2	75.8	84.1	62.4	114.8
10	89.4	86.0	75.8	73.2	62.1	75.5	72.8	67.9	77.2	84.7	63.8	114.3
12.5	89.5	88.7	78.6	75.4	65.8	80.6	83.9	82.1	86.2	89.3	83.4	119.5
16	88.4	86.6	77.2	73.4	64.7	74.9	76.4	73.9	80.0	85.3	74.4	117.9
20	89.0	87.3	79.4	74.8	66.1	72.2	72.4	72.4	78.8	85.1	69.8	120.1
25	105.4	103.3	99.3	94.3	77.6	84.2	92.2	93.2	98.2	101.6	87.5	122.6
32	96.4	94.4	90.0	84.9	69.5	75.4	81.0	83.8	88.6	92.6	79.0	122.5
40	91.0	87.8	79.4	73.7	75.9	72.1	71.1	79.4	82.3	87.1	77.5	121.5
50	99.9	97.2	92.5	87.1	91.7	82.8	79.9	76.8	82.9	95.4	89.2	121.7
63	91.8	88.6	84.9	78.3	82.1	74.2	75.9	77.5	81.7	87.0	80.7	120.7
80	88.0	87.3	83.0	81.8	79.2	75.3	80.?	81.7	86.0	87.5	84.9	119.9
100	87.8	86.9	83.1	77.1	73.3	72.4	73.4	81.5	83.6	86.0	78.4	119.0
125	87.4	85.5	84.2	77.3	73.8	72.8	74.1	80.8	84.2	87.4	80.1	119.1
160	87.6	85.5	83.8	75.6	75.1	73.3	75.2	81.3	84.1	87.9	79.7	117.6
200	88.5	87.3	85.3	79.7	76.1	76.2	80.9	82.9	85.6	89.6	82.1	116.6
250	88.7	87.4	85.0	78.7	76.0	76.9	78.6	82.7	85.5	87.7	80.8	114.6
320	89.5	87.9	86.1	77.1	77.5	76.1	76.6	84.1	86.8	88.3	82.8	114.3
400	88.5	87.0	85.6	81.7	74.3	72.1	80.0	83.7	86.0	87.8	83.1	112.6
500	86.9	85.0	84.7	77.4	76.9	74.2	76.9	82.8	84.6	86.5	82.3	110.7
630	86.4	84.2	84.0	78.5	74.3	75.7	80.3	83.2	83.?	86.6	82.9	109.4
800	86.3	84.3	83.8	78.6	76.0	77.6	78.4	82.4	83.8	85.0	83.1	108.6
1.0k	84.6	83.5	83.5	78.7	75.9	76.7	78.8	81.5	83.0	83.5	84.?	106.1
1.25k	84.4	82.2	82.1	77.0	74.4	75.0	77.2	81.0	82.0	82.5	83.1	104.1
1.6k	84.1	82.0	82.1	76.9	74.2	73.2	74.7	79.5	80.8	80.8	80.3	101.5
2.0k	81.8	80.4	79.9	76.0	73.6	72.8	73.0	78.3	79.2	79.1	79.7	99.7
2.5k	82.7	81.7	80.3	78.9	77.1	74.5	75.0	78.6	79.8	79.6	82.3	100.5
3.2k	84.8	82.8	80.7	79.7	77.5	75.8	76.6	79.7	81.0	80.6	82.5	101.0
4.0k	82.7	81.6	79.3	75.5	73.3	71.7	72.8	77.2	78.9	78.0	79.?	100.5
5.0k	83.9	82.7	80.2	75.6	72.9	70.5	71.2	78.2	79.4	77.6	79.?	97.8
6.3k	83.8	81.9	80.6	74.7	72.4	69.5	70.1	77.7	79.0	75.1	79.2	96.6
8.0k	85.2	81.4	81.3	74.5	71.0	68.2	69.9	78.4	78.8	72.5	79.6	98.1
10.0k	84.6	78.4	78.5	71.7	68.5	64.6	66.2	75.3	75.0	72.9	77.3	96.4
12.5k	83.1	73.1	73.7	67.8	62.3	58.7	61.0	71.1	69.8	75.8	73.9	95.2
16.0k	80.0	68.5	68.4	61.2	55.2	51.2	54.7	66.5	62.8	73.5	69.5	94.3
20.0k	71.7	62.2	64.7	56.3	46.2	40.6	45.5	63.0	60.1	65.9	63.7	92.4
PNLT	111.4	109.4	107.7	104.7	101.8	100.0	102.1	105.7	107.3	107.9	107.5	132.1
LA	96.6	94.6	93.7	89.2	86.7	85.9	87.6	91.9	93.3	94.0	93.3	117.8
SPL	108.2	106.0	102.2	97.1	94.0	91.5	94.4	97.5	101.2	104.8	97.1	132.1

C-2

A25

ORIGINAL PAGE IS
OF POOR QUALITY

RPM = 404., Collective = 3.0 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.8	86.8	76.2	72.4	66.4	75.?	64.8	63.5	77.0	83.4	55.3	112.0
6.3	93.5	88.0	77.3	73.8	71.6	76.0	72.2	69.6	75.1	87.3	66.9	117.2
8	92.2	89.0	78.2	72.0	70.5	76.5	71.5	68.1	78.4	85.9	62.9	115.3
10	92.9	87.0	77.9	75.1	68.7	74.0	74.9	70.1	79.6	86.3	65.3	116.1
12.5	93.0	87.6	75.6	76.9	68.8	80.4	85.1	83.1	86.3	88.7	84.6	119.3
16	91.5	87.4	77.5	74.9	67.3	75.1	77.5	75.7	80.4	85.8	75.8	119.1
20	91.4	88.4	79.6	76.1	68.1	72.3	74.0	72.6	79.4	85.3	70.7	121.5
25	107.0	104.5	102.0	95.8	77.8	85.0	90.4	92.7	98.3	101.9	87.0	126.0
32	98.3	95.7	92.7	86.6	70.3	76.3	81.5	83.6	89.0	92.9	78.8	125.2
40	93.8	89.5	84.5	74.4	77.3	72.5	72.8	80.6	82.6	87.1	77.9	123.7
50	101.3	98.6	95.5	87.4	93.0	85.1	80.6	79.3	80.2	93.9	88.8	123.6
63	93.0	89.3	86.1	78.8	83.5	76.3	76.7	77.6	81.9	86.6	81.0	122.6
80	87.7	87.1	86.2	81.1	80.0	76.9	81.5	82.3	86.9	87.1	84.8	122.3
100	89.3	87.9	86.4	77.5	74.2	72.0	74.6	82.4	84.0	86.0	77.5	121.4
125	89.2	86.2	82.5	78.3	74.4	72.6	74.5	80.7	84.9	87.6	80.4	120.5
160	88.6	85.6	83.1	75.8	74.4	74.8	75.4	82.1	85.3	88.5	80.4	119.1
200	88.9	87.0	84.1	79.3	75.7	77.0	83.2	84.0	87.5	89.3	82.6	118.7
250	88.5	87.1	83.9	78.1	75.7	77.6	80.0	83.5	86.8	89.0	81.6	115.9
320	89.0	87.1	85.1	76.8	77.3	77.3	80.2	86.2	88.7	90.5	83.7	115.9
400	87.7	85.4	84.5	81.1	74.1	73.4	82.4	85.3	87.7	89.2	84.0	114.0
500	86.9	84.4	83.7	77.9	77.9	77.2	79.4	84.0	85.9	87.8	84.0	112.3
630	86.6	83.8	83.4	76.7	75.6	76.3	81.7	83.6	84.9	87.0	84.6	110.2
800	86.5	84.9	83.4	79.1	77.1	78.3	80.2	83.1	84.2	85.9	84.9	110.3
1.0k	86.2	85.8	84.8	82.2	78.2	78.3	81.9	83.3	84.7	85.1	86.2	107.9
1.25k	84.6	83.2	82.8	79.2	76.8	76.6	80.2	82.3	82.8	83.6	88.0	105.5
1.6k	84.2	82.3	81.8	77.7	75.0	73.5	76.5	80.3	80.8	81.1	81.6	103.2
2.0k	82.3	81.2	80.1	77.2	75.1	73.4	74.8	78.8	79.3	79.9	80.9	101.4
2.5k	83.8	82.8	80.5	79.8	78.6	75.1	74.4	79.0	80.3	80.5	83.6	102.0
3.2k	85.4	83.6	80.1	80.3	78.1	76.3	77.9	80.2	81.4	81.2	83.4	101.6
4.0k	83.7	82.3	79.3	76.2	74.1	72.3	74.4	77.8	79.4	78.7	80.4	101.3
5.0k	84.5	83.3	80.5	76.2	73.5	70.8	72.8	78.9	80.0	78.2	80.0	98.2
6.3k	84.4	82.6	81.2	75.4	73.0	72.1	71.8	78.4	79.6	75.6	80.0	97.3
8.0k	85.9	82.5	82.1	75.3	71.7	68.7	71.5	79.4	79.5	73.1	80.4	98.6
10.0k	85.6	79.6	79.3	72.4	69.2	65.3	67.8	76.3	75.8	74.0	78.2	97.2
12.5k	84.3	74.3	74.3	68.0	63.1	59.4	62.9	72.5	72.8	77.0	75.1	96.4
16.0k	81.5	69.4	67.3	62.6	57.1	52.2	57.4	68.4	63.8	75.0	72.7	95.8
20.0k	72.9	62.9	59.8	57.9	50.6	41.2	50.0	64.8	61.3	67.8	65.0	94.2
PNLT	111.9	110.0	107.7	105.2	103.6	100.7	104.0	106.5	108.0	108.5	109.9	133.7
LA	97.1	95.2	93.7	90.0	87.8	86.7	89.7	92.8	94.1	95.0	95.2	119.3
SPL	109.9	107.1	104.3	98.2	95.1	92.5	95.5	98.0	101.7	105.1	98.1	134.1

ORIGINAL PAGE IS OF POOR QUALITY

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

HZ /	1	2	3	4	5	6	7	8	9	10	11	12
5	69.7	65.9	58.0	59.0	44.6	68.0	58.2	52.8	63.1	71.5	47.5	89.2
6.3	73.2	68.1	54.0	58.7	54.1	72.8	58.5	55.2	65.0	73.9	53.3	92.2
8	72.7	66.9	57.5	55.5	51.1	69.5	59.2	56.0	65.8	72.8	55.0	94.0
10	74.5	68.6	63.7	62.2	57.5	72.6	63.9	62.8	68.5	74.5	58.5	94.9
12.5	73.1	69.7	65.5	63.4	59.1	72.2	65.1	63.9	73.5	74.3	59.8	96.2
16	73.4	69.2	61.7	59.9	54.8	69.2	61.3	59.2	66.5	73.6	58.8	96.5
20	73.5	69.8	64.3	65.4	59.5	66.1	62.1	63.9	67.2	75.1	65.0	97.6
25	94.1	88.1	83.4	87.2	77.3	72.2	83.5	83.3	88.1	93.5	91.4	105.4
32	84.1	73.2	73.5	76.9	67.4	66.1	73.5	74.1	78.8	83.7	81.1	99.4
40	79.4	75.9	73.0	72.6	65.9	66.7	67.7	67.1	68.7	72.4	71.3	97.6
50	93.1	90.7	87.5	79.8	79.6	79.5	70.2	84.5	85.6	88.0	78.5	104.6
63	83.5	82.9	77.9	71.4	73.5	69.6	72.1	74.8	76.6	78.7	69.8	97.6
80	92.0	90.3	87.7	81.5	78.5	73.0	76.9	83.8	87.7	91.6	77.5	105.0
100	87.6	85.1	83.9	75.7	72.0	65.2	67.3	78.7	82.1	87.0	79.5	95.3
125	87.0	84.7	81.1	77.8	74.8	72.0	69.2	77.9	82.7	85.9	78.1	93.5
160	83.6	81.6	81.1	71.8	71.8	72.8	72.5	79.1	82.5	80.6	72.3	94.7
200	82.1	78.9	78.7	74.2	69.6	69.1	73.6	77.8	83.5	81.1	74.0	94.7
250	78.3	79.0	76.4	71.3	69.0	70.4	72.2	74.3	77.5	78.0	72.5	96.3
320	79.7	78.5	76.0	69.1	68.5	68.5	68.7	75.8	78.5	79.5	74.0	95.0
400	80.5	78.5	76.5	71.4	67.1	64.7	71.4	75.9	78.8	80.5	74.8	93.0
500	79.4	77.1	75.3	68.5	67.9	68.2	69.6	76.6	78.6	79.8	75.0	93.7
630	80.5	77.6	76.0	70.2	67.4	72.3	75.7	80.1	78.6	83.4	76.0	93.4
800	79.4	78.2	75.6	71.1	68.7	69.5	71.2	75.5	78.5	80.2	76.7	94.8
1.0k	78.3	76.0	74.5	70.0	67.3	68.2	72.7	74.2	76.9	79.5	74.7	90.2
1.25k	78.8	75.7	74.4	70.2	67.8	67.8	72.8	74.3	76.6	78.5	76.2	90.6
1.6k	78.5	75.9	74.8	73.8	69.6	67.6	69.9	73.7	76.1	76.1	75.8	91.0
2.0k	75.2	74.1	72.2	69.8	67.8	67.8	68.2	72.3	74.9	73.7	75.3	88.3
2.5k	75.5	73.5	72.0	71.0	69.3	69.3	69.2	72.5	74.1	73.2	78.7	95.9
3.2k	75.1	73.1	72.4	69.5	67.0	68.2	69.2	71.9	74.4	73.6	76.3	96.4
4.0k	71.6	70.6	67.4	63.9	62.6	63.4	64.2	68.3	72.3	72.5	71.5	93.4
5.0k	74.9	73.1	72.1	66.3	64.6	66.0	65.9	71.5	72.4	71.0	74.1	96.5
6.3k	68.3	67.0	65.6	59.9	57.9	59.5	59.8	67.5	63.2	65.1	69.3	88.9
8.0k	69.3	66.0	65.7	60.3	57.2	59.2	60.3	67.5	67.3	61.1	70.9	91.1
10.0k	67.1	61.5	60.5	55.8	52.6	53.4	50.5	62.8	62.3	60.7	67.3	86.1
12.5k	66.5	55.9	56.3	52.2	47.8	47.6	49.4	59.0	58.1	63.8	65.2	84.5
16.0k	63.9	49.6	50.8	49.7	41.8	41.9	40.3	55.5	56.8	61.9	61.5	82.8
20.0k	55.6	46.3	45.5	48.7	36.7	36.5	38.5	53.8	56.8	54.3	57.2	80.4
PNLT	103.5	101.5	99.6	96.0	93.9	93.8	96.1	100.3	121.7	102.7	101.9	121.7
LA	88.7	86.7	84.5	80.9	78.8	79.1	81.0	85.4	87.2	88.5	87.0	105.3
SPL	99.4	96.6	93.9	92.5	86.0	85.4	87.9	91.8	94.8	98.4	93.8	112.8

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.1

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	71.7	63.9	56.4	53.9	47.8	74.1	63.3	60.8	64.6	70.1	50.5	93.8
6.3	71.4	64.4	61.6	59.0	56.2	72.9	65.1	63.6	67.9	72.3	55.9	106.6
8	73.2	65.6	61.4	55.7	51.3	73.2	64.8	62.6	69.0	72.5	54.8	101.1
10	74.0	68.5	63.4	61.4	56.5	72.8	67.1	63.7	69.6	74.0	56.6	100.9
12.5	74.1	67.9	66.7	64.7	60.8	71.9	66.6	66.6	70.8	76.5	61.7	107.7
16	73.3	67.7	62.0	59.6	56.8	69.3	64.4	62.6	69.3	74.1	59.9	105.1
20	74.2	68.6	65.5	64.5	61.1	67.8	65.1	65.6	70.0	75.0	64.7	107.4
25	91.4	83.5	75.0	85.3	76.5	72.7	83.5	83.8	86.3	91.8	90.8	108.7
32	82.2	75.2	68.0	75.3	67.4	66.7	74.1	75.0	78.0	82.4	81.0	107.0
40	79.2	75.3	72.4	71.9	65.1	67.6	68.3	68.3	70.5	72.5	71.0	106.0
50	92.0	89.4	86.7	78.7	78.5	79.5	77.7	84.1	85.3	85.6	76.4	106.5
63	82.9	80.4	77.6	71.3	69.8	70.1	69.2	75.0	76.9	77.8	69.3	103.4
80	88.9	89.4	87.0	80.4	77.0	72.1	77.0	83.2	87.0	90.4	75.9	105.6
100	86.7	84.3	83.3	75.7	71.7	65.6	68.5	78.8	80.8	86.4	79.2	101.7
125	86.3	84.1	80.8	77.3	73.8	69.3	69.7	78.4	82.0	85.1	77.9	100.4
160	83.5	81.1	80.9	72.1	71.8	73.0	69.7	78.5	81.6	81.5	72.8	99.5
200	81.0	79.2	79.2	74.2	69.2	71.5	75.7	78.8	82.3	82.8	74.7	98.6
250	79.8	79.2	76.9	71.7	70.2	71.9	72.2	76.9	79.6	80.3	74.7	98.3
320	81.1	79.6	77.1	70.0	69.7	70.6	71.3	78.6	80.7	81.7	75.3	97.8
400	81.2	79.4	77.4	72.9	68.0	66.5	74.2	78.7	80.7	81.4	75.9	96.2
500	80.6	77.8	76.0	69.4	68.5	69.8	71.2	78.1	79.9	80.9	76.0	95.4
630	81.2	78.2	77.0	71.6	67.9	71.8	76.1	80.6	79.9	83.8	77.0	94.6
800	79.4	78.1	75.9	71.7	68.4	70.5	72.1	76.7	79.4	80.2	76.7	94.5
1.0k	78.3	76.1	74.7	70.5	67.3	68.9	71.6	75.0	77.8	78.8	75.0	90.9
1.25k	79.1	76.3	75.0	71.1	68.5	68.9	71.9	75.0	77.6	78.4	76.9	91.0
1.6k	78.6	76.6	75.7	71.7	69.7	68.7	70.3	73.9	76.9	76.6	75.6	90.7
2.0k	76.0	74.8	73.3	70.4	68.7	68.6	69.2	72.7	75.4	73.9	75.6	88.9
2.5k	79.2	77.5	75.5	73.9	73.4	70.9	70.5	73.8	76.4	75.4	80.6	96.8
3.2k	78.6	76.3	73.0	72.1	70.0	69.4	70.1	72.7	75.6	74.8	77.3	97.3
4.0k	75.0	73.6	70.5	66.7	65.0	64.5	65.6	69.4	72.2	71.5	72.5	92.5
5.0k	77.0	75.4	72.6	68.8	66.6	66.1	66.7	72.3	74.2	71.9	75.4	96.5
6.3k	73.4	72.2	70.6	64.5	62.8	61.8	62.2	69.3	71.0	67.2	71.4	89.8
8.0k	74.7	71.3	70.7	64.3	61.6	60.9	62.1	69.4	70.0	63.4	72.4	92.5
10.0k	73.7	67.3	67.3	61.1	58.7	56.2	57.4	65.4	65.4	63.0	69.5	87.5
12.5k	72.2	62.1	62.1	56.9	52.7	50.2	51.8	60.9	60.5	66.4	67.1	86.0
16.0k	69.1	57.1	55.0	51.3	44.9	43.7	46.1	56.4	56.8	64.0	63.4	83.4
20.0k	59.8	51.2	47.8	48.4	37.1	36.6	39.3	53.7	56.8	55.7	58.5	81.7
PNLT	105.0	102.9	101.0	97.8	96.9	94.3	96.9	101.0	102.4	103.5	103.9	123.4
LA	90.1	88.0	86.2	82.4	80.5	80.3	82.0	86.4	88.5	89.1	87.9	106.1
SPL	98.4	95.7	93.3	89.5	85.7	86.3	88.2	92.3	94.8	97.5	93.6	117.6

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	76.9	67.7	57.2	56.2	48.6	70.9	60.4	53.5	61.8	70.4	51.5	99.6
6.3	79.0	68.3	61.2	58.8	55.8	74.3	63.2	59.2	64.4	74.0	57.0	112.1
8	78.9	68.4	59.8	58.0	53.8	71.5	62.0	56.5	63.8	73.9	56.7	107.7
10	79.2	71.3	64.5	62.0	59.1	73.2	66.1	62.9	66.1	74.5	57.5	107.5
12.5	80.3	74.7	71.8	69.6	65.9	70.7	69.8	69.3	73.8	78.2	68.6	114.4
16	78.4	70.3	65.2	62.9	59.7	68.4	64.7	62.0	67.2	73.4	62.4	111.1
20	77.5	71.5	66.8	65.3	62.0	66.8	63.9	63.4	66.7	72.7	60.4	113.6
25	94.2	89.8	85.0	76.8	77.5	70.0	79.2	85.2	86.0	90.9	88.5	115.5
32	84.7	79.8	75.8	68.5	67.8	64.2	70.1	74.9	76.5	80.9	78.2	115.7
40	81.3	76.6	73.8	72.0	66.9	68.7	68.3	69.0	71.3	74.3	71.9	114.1
50	85.5	85.5	83.5	75.1	76.6	78.8	76.8	82.2	84.6	84.6	72.2	115.0
63	79.8	78.0	75.5	70.3	69.0	69.3	68.8	73.9	76.4	78.1	68.0	112.7
80	88.7	87.9	85.7	79.1	75.3	74.6	77.7	84.7	88.5	91.4	71.4	112.6
100	84.9	82.3	82.1	73.9	70.7	65.6	64.8	76.9	79.3	86.0	78.0	111.2
125	85.6	83.3	80.1	76.9	73.8	68.8	69.0	77.5	82.9	85.0	77.8	109.8
160	84.1	82.2	81.5	71.5	72.9	71.3	72.6	79.4	82.0	82.9	74.5	108.6
200	82.0	80.7	79.9	75.5	71.3	73.0	77.2	80.1	83.3	84.5	76.2	107.2
250	80.8	81.2	78.4	73.4	71.0	73.3	73.9	78.6	81.4	83.4	76.0	105.6
320	81.6	80.6	78.4	71.3	70.3	71.5	72.5	80.8	82.8	85.3	77.8	104.7
400	81.2	80.0	78.5	74.4	68.6	67.8	75.7	80.8	83.1	84.8	78.4	103.5
500	80.0	78.4	77.2	70.5	70.3	71.1	73.1	80.0	82.1	84.2	77.9	102.0
630	81.2	78.8	78.1	72.6	69.5	73.0	76.8	82.0	81.5	85.3	78.5	100.3
800	79.4	78.7	77.1	72.8	69.3	71.3	72.9	77.5	80.5	81.9	78.3	99.2
1.0k	78.2	76.3	75.0	70.9	67.4	69.4	71.9	75.7	78.0	79.8	75.5	96.0
1.25k	79.0	76.4	75.0	71.0	68.3	69.3	71.6	75.6	78.0	79.6	77.2	94.0
1.6k	78.8	76.7	76.5	71.3	69.6	69.1	70.5	74.7	77.0	77.6	75.9	93.9
2.0k	76.2	75.0	74.0	70.5	68.7	68.4	68.2	72.8	74.9	75.0	75.4	90.7
2.5k	77.4	76.2	74.7	73.5	72.1	70.1	70.1	73.1	75.0	75.1	78.5	96.2
3.2k	80.2	78.3	74.8	74.9	72.5	71.2	72.0	73.9	76.5	76.5	78.5	97.2
4.0k	77.8	76.2	72.8	69.8	67.5	66.1	67.4	70.8	73.6	73.2	73.9	92.4
5.0k	78.9	77.6	74.9	70.6	68.1	67.3	67.8	74.1	75.5	73.6	76.1	97.3
6.3k	77.5	75.5	74.0	68.3	66.0	63.9	64.5	71.3	73.0	70.3	73.5	91.0
8.0k	78.0	74.4	74.3	67.8	64.4	62.9	64.2	71.5	72.3	65.9	73.8	93.0
10.0k	76.9	71.1	71.2	64.4	62.1	58.5	59.6	67.2	67.7	65.7	71.5	89.2
12.5k	75.4	65.8	65.5	60.1	55.9	52.3	54.2	62.7	62.3	69.0	68.7	87.7
16.0k	72.5	61.1	58.6	54.0	48.2	45.4	48.0	56.6	54.7	66.4	64.8	85.7
20.0k	62.8	53.7	50.5	50.1	38.5	37.2	40.2	50.6	51.4	57.5	59.3	83.7
PNLT	105.7	103.9	101.7	99.6	96.1	96.4	97.9	102.1	103.3	104.0	102.6	126.2
LA	90.7	88.9	87.2	83.4	81.1	81.0	82.8	87.5	89.4	90.9	88.4	109.5
SPL	98.7	95.9	93.6	87.7	85.7	86.4	87.6	93.0	95.4	98.2	92.7	124.9

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	80.9	69.5	61.7	60.2	53.0	74.4	58.1	57.0	66.3	78.9	51.6	102.7
6.3	81.2	72.8	65.0	62.6	57.8	73.0	60.8	58.3	67.0	79.8	61.0	114.2
8	82.0	72.2	64.2	61.8	56.2	73.5	61.2	60.6	68.9	77.4	59.7	109.5
10	83.3	75.3	66.7	64.3	58.7	72.8	65.1	62.9	70.5	79.5	60.1	109.4
12.5	83.3	78.7	73.8	70.8	66.3	72.4	73.2	74.1	76.6	82.5	72.1	117.5
16	80.7	75.4	68.7	65.9	61.5	69.8	66.5	66.3	72.8	80.5	66.0	115.0
20	82.0	77.0	71.1	67.4	62.6	68.9	65.5	67.9	73.2	79.8	68.2	117.3
25	100.8	97.7	94.7	84.2	78.0	74.3	86.3	92.2	95.5	98.7	88.2	120.9
32	91.6	88.3	85.3	75.3	69.2	67.8	77.1	82.8	85.9	89.3	78.8	117.6
40	81.7	76.8	73.5	71.7	66.4	68.5	68.7	69.4	72.7	76.3	72.5	117.0
50	85.3	80.0	76.1	71.3	74.9	80.8	72.9	83.6	87.9	92.7	82.2	117.4
63	82.0	78.0	73.9	72.2	68.3	71.7	68.2	76.2	79.9	83.3	74.6	116.5
80	87.9	85.6	84.4	78.6	71.8	73.8	77.2	83.4	87.8	91.4	75.0	114.9
100	84.6	83.0	82.5	75.1	71.4	69.8	69.5	75.4	80.2	87.7	74.6	114.3
125	84.9	83.3	80.5	76.6	73.6	73.0	71.2	77.1	79.6	84.0	77.2	113.8
160	83.6	81.3	81.0	72.0	72.9	72.3	71.2	80.2	81.5	81.3	75.4	112.3
200	81.5	80.5	78.7	73.8	70.9	73.3	77.2	79.2	81.5	83.2	76.2	111.5
250	80.4	79.5	78.0	72.3	71.0	72.9	73.9	78.0	80.1	81.2	76.4	109.2
320	81.2	79.6	77.8	72.3	70.3	71.2	72.1	78.7	82.6	81.2	76.7	108.1
400	80.8	79.2	77.7	73.5	68.4	67.2	74.3	78.6	83.2	80.7	76.7	106.7
500	79.7	77.4	76.1	70.2	69.3	69.9	71.8	78.1	79.2	80.9	76.2	105.2
630	81.0	78.1	77.6	72.9	69.2	71.7	76.8	80.3	79.4	84.3	78.1	103.7
800	79.7	78.4	76.9	73.1	72.1	71.4	73.7	77.0	79.1	80.3	77.4	102.8
1.0k	78.7	76.5	75.5	71.8	68.7	69.4	72.1	75.0	77.3	79.2	76.1	99.6
1.25k	79.5	76.6	75.6	71.8	69.2	69.0	71.7	75.1	77.2	79.0	77.8	97.5
1.6k	79.1	77.1	76.6	72.4	70.5	68.6	72.5	74.3	76.4	77.1	76.7	95.5
2.0k	77.6	76.3	76.2	72.4	71.3	68.9	68.8	73.3	75.5	75.8	76.5	93.8
2.5k	79.0	77.5	76.5	75.4	74.6	71.1	71.3	74.2	76.1	76.0	79.3	97.3
3.2k	81.8	79.6	76.3	76.4	75.2	72.4	72.3	75.0	77.3	77.3	79.6	98.3
4.0k	79.9	78.1	74.8	71.8	72.1	67.7	69.2	72.2	75.1	74.4	75.5	94.4
5.0k	81.1	79.3	76.4	72.2	72.2	67.6	68.7	74.8	77.0	74.8	77.1	96.4
6.3k	80.2	77.7	76.4	70.6	68.9	65.6	66.8	73.6	75.2	72.6	75.3	92.9
8.0k	82.5	76.7	76.5	70.4	67.5	64.3	66.3	73.8	74.4	67.9	75.6	94.8
10.0k	79.7	73.3	73.3	66.9	64.7	60.4	62.0	69.4	69.9	67.9	73.2	91.4
12.5k	77.9	67.9	67.7	62.1	58.5	54.3	56.4	64.5	64.5	71.0	70.0	89.7
16.0k	74.7	63.0	60.6	55.5	52.8	46.8	52.0	58.2	56.7	68.6	66.3	88.0
20.0k	65.5	55.6	52.5	50.5	40.2	37.9	41.5	52.0	53.2	59.7	60.5	85.6
PNLT	106.9	104.6	102.5	100.2	97.9	97.1	98.8	101.3	103.5	105.4	103.4	127.2
LA	91.8	89.6	88.1	84.7	82.9	81.3	83.2	87.1	88.8	89.9	89.0	112.4
SPL	102.7	99.6	96.9	89.3	86.1	87.3	89.8	95.3	98.4	101.6	93.1	128.2

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	82.9	79.8	69.8	67.9	56.6	73.6	60.4	61.6	72.2	79.3	52.4	104.2
6.3	85.3	79.1	72.7	69.4	61.2	72.4	62.8	64.5	71.8	81.2	60.6	111.2
8	86.4	80.5	71.3	71.7	58.7	73.2	63.9	63.5	72.3	79.4	59.8	110.6
10	86.1	81.1	73.1	71.6	60.5	71.7	67.3	67.2	74.4	81.5	61.9	112.9
12.5	88.0	83.6	79.2	76.2	69.1	76.0	80.2	81.0	84.1	87.1	77.4	115.3
16	85.5	82.1	75.4	72.3	64.6	69.8	71.4	72.4	77.4	82.1	69.2	115.4
20	86.3	83.4	76.8	72.6	65.1	69.0	68.6	71.3	76.9	83.1	70.8	118.3
25	104.4	101.5	98.9	91.5	77.9	78.9	80.3	94.8	98.3	101.4	87.8	123.8
32	95.0	92.2	89.3	81.9	69.5	73.4	79.8	85.2	88.7	91.9	78.6	120.1
40	86.2	81.8	76.4	72.6	69.2	69.2	69.7	72.4	75.9	80.3	74.3	119.4
50	94.3	90.1	86.7	78.2	84.3	80.4	71.7	80.9	87.9	93.9	87.1	119.6
63	86.9	82.8	79.0	72.9	74.9	71.5	68.9	75.6	80.2	85.3	78.3	117.9
80	93.0	87.4	86.8	82.0	74.8	73.4	70.1	81.2	84.8	87.2	80.4	117.8
100	84.5	82.2	80.5	72.2	69.8	69.9	69.6	78.7	79.8	85.6	76.7	116.7
125	85.1	83.2	80.3	77.1	73.7	70.5	72.1	80.0	82.3	85.0	78.5	116.0
160	85.4	82.3	80.9	74.3	72.3	72.7	73.4	80.7	82.5	84.7	77.6	114.3
200	84.9	83.3	81.0	76.2	73.9	74.1	79.8	82.3	85.5	87.2	79.5	112.6
250	83.6	83.2	80.2	74.4	72.3	75.5	76.8	81.8	84.7	87.2	78.7	110.8
320	84.3	83.1	80.9	72.3	72.1	74.1	75.0	82.8	85.4	86.8	79.4	110.5
400	83.1	81.6	80.6	76.9	73.6	69.8	77.4	82.1	84.7	86.4	80.1	108.9
500	82.1	79.7	78.9	72.4	72.3	73.2	74.5	81.2	83.5	85.8	79.8	107.1
630	82.7	79.7	79.3	74.1	70.9	73.3	77.8	81.6	82.5	86.5	79.7	105.7
800	81.5	79.9	78.6	73.9	71.7	72.9	74.5	78.8	81.2	82.8	78.9	105.2
1.0k	80.6	78.7	77.1	72.8	70.8	71.0	73.2	76.7	79.2	81.0	77.6	102.5
1.25k	81.3	78.3	77.0	72.6	70.7	70.3	72.8	76.4	78.9	80.5	78.0	100.3
1.6k	81.7	79.1	77.9	73.3	71.2	70.0	71.2	75.6	77.7	78.3	77.1	98.0
2.0k	79.1	77.9	77.1	73.5	71.8	70.0	72.1	74.6	76.6	77.0	77.2	96.6
2.5k	80.6	79.0	77.8	74.8	75.7	72.7	72.6	75.2	77.4	77.3	80.3	98.8
3.2k	83.3	80.6	77.4	77.4	76.2	73.8	74.3	76.1	78.2	78.4	80.6	99.8
4.0k	81.3	79.2	76.4	73.8	71.4	69.3	70.4	73.7	76.1	75.7	77.1	97.9
5.0k	82.3	80.1	77.4	72.9	70.9	68.4	69.2	75.5	77.2	75.6	77.3	96.1
6.3k	82.1	79.3	78.2	72.1	70.5	67.3	68.0	75.0	76.7	73.8	77.0	94.6
8.0k	82.6	78.4	78.5	71.7	68.9	66.2	67.6	75.4	75.7	69.8	77.3	96.0
10.0k	81.8	75.2	75.5	68.5	66.5	62.2	63.5	71.3	71.6	69.6	74.8	93.3
12.5k	80.0	72.0	72.0	63.5	64.1	55.8	57.8	66.3	66.4	72.7	71.7	91.6
16.0k	76.4	65.1	62.6	56.8	52.3	48.6	51.6	60.0	58.6	70.2	67.4	90.1
20.0k	67.6	57.9	55.1	50.3	41.5	38.8	42.8	53.4	55.0	61.6	61.8	87.9
PNLT	108.8	106.3	104.1	101.7	99.3	97.5	99.8	102.8	105.1	106.0	104.9	129.0
LA	93.7	91.2	89.6	85.9	84.1	82.8	84.5	88.9	91.0	92.4	90.2	114.4
SPL	106.2	103.3	100.7	94.0	88.8	88.2	92.3	97.4	100.7	103.9	94.7	129.8

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	88.4	83.8	74.9	67.8	58.0	72.6	67.6	66.9	76.9	85.7	53.5	115.1
6.3	89.8	84.6	74.8	70.4	63.7	74.6	69.7	68.5	77.4	86.2	64.5	121.8
8	88.8	84.6	73.7	71.2	61.3	74.0	67.8	69.5	77.2	85.3	61.8	120.8
10	89.6	85.0	76.6	72.4	64.2	73.7	71.9	71.3	78.1	86.1	64.9	122.5
12.5	90.6	86.7	79.4	76.8	69.4	79.0	83.6	83.4	87.0	90.1	81.5	124.9
16	88.3	85.6	77.1	72.9	65.2	72.7	75.4	75.3	80.8	86.6	73.0	125.8
20	89.2	86.2	78.9	73.9	65.5	70.4	71.9	73.9	80.5	87.2	68.8	127.9
25	105.4	103.7	101.2	94.7	77.0	82.7	91.4	95.2	100.0	103.1	87.4	128.4
32	97.1	94.6	91.6	85.2	69.3	73.6	81.9	85.8	90.6	94.1	78.5	127.4
40	90.3	86.6	80.7	73.7	73.6	71.2	71.1	76.3	80.0	86.4	75.2	126.9
50	97.9	94.3	91.2	83.2	88.6	81.5	77.1	78.6	88.0	96.9	89.1	126.2
63	89.8	86.3	82.3	75.3	79.1	72.8	72.8	76.9	81.9	88.3	80.6	125.0
80	89.8	88.7	87.5	83.2	78.8	70.7	74.6	79.7	81.4	85.0	81.2	124.6
100	85.8	84.4	82.0	73.8	69.9	71.3	72.3	79.3	81.4	85.8	77.7	123.5
125	86.6	84.9	80.9	77.6	74.2	73.8	74.9	80.5	83.3	86.1	80.6	122.6
160	86.8	84.7	82.0	75.4	73.9	74.6	74.5	81.0	83.5	87.4	79.3	121.4
200	86.3	84.6	81.8	78.2	74.5	76.8	81.7	82.7	86.4	87.6	80.5	120.2
250	85.5	84.4	81.1	75.7	73.3	76.6	78.4	82.3	85.8	86.9	79.5	118.2
320	85.7	84.2	81.7	73.4	73.8	75.8	76.9	83.1	86.2	86.9	81.2	117.5
400	84.9	82.6	81.0	77.7	71.0	72.9	78.9	82.5	85.3	86.0	80.9	115.6
500	84.3	81.5	79.8	73.7	73.2	74.1	75.0	81.5	83.3	84.8	79.9	113.9
630	84.8	81.3	80.2	75.4	71.6	73.8	78.7	82.1	82.5	85.6	80.5	112.2
800	83.9	81.7	79.6	75.7	73.2	74.2	75.6	80.4	81.8	83.1	80.1	111.7
1.0k	82.5	79.9	78.4	74.6	72.1	72.4	74.6	78.5	79.8	81.3	79.8	109.3
1.25k	83.0	80.2	78.6	74.4	71.8	71.6	74.2	78.3	79.6	81.0	80.0	106.9
1.6k	83.4	80.7	79.5	75.3	72.7	71.0	72.5	77.5	78.6	79.4	78.5	104.1
2.0k	81.0	79.5	78.4	75.2	72.8	71.2	71.3	76.4	77.4	78.0	78.6	101.9
2.5k	81.8	80.6	78.6	78.2	76.6	73.3	73.9	76.9	78.2	78.4	81.6	101.9
3.2k	84.2	82.1	78.8	78.9	76.8	74.8	75.4	78.1	79.6	79.5	81.7	102.5
4.0k	82.7	80.9	77.8	74.7	72.5	70.7	71.7	75.6	77.4	77.0	78.6	100.6
5.0k	83.6	81.7	78.7	74.6	71.7	69.3	70.2	76.7	78.0	76.3	78.4	98.6
6.3k	83.1	81.0	79.6	73.8	71.4	68.4	69.3	76.6	77.8	74.5	78.3	97.3
8.0k	84.2	80.5	80.0	73.6	69.8	67.1	69.0	77.1	77.3	71.4	78.7	98.4
10.0k	83.6	77.2	77.2	70.6	67.5	63.5	65.2	73.7	73.4	71.2	76.4	96.5
12.5k	81.9	72.0	72.1	65.7	61.1	57.3	59.7	69.2	68.4	74.1	73.0	94.8
16.0k	78.6	66.9	64.5	59.1	53.3	49.9	53.5	64.1	62.9	71.9	68.8	93.3
20.0k	69.7	60.2	57.0	52.4	42.4	39.7	44.5	60.3	57.0	64.3	62.9	91.2
PNLT	110.2	107.9	105.5	103.3	100.4	98.7	101.2	104.2	106.0	106.7	106.2	135.1
LA	95.3	92.8	90.9	87.5	85.1	83.9	85.8	90.2	91.7	92.6	91.5	120.8
SPL	108.4	105.6	102.8	96.7	91.5	90.1	94.3	98.0	102.2	105.7	95.9	137.4

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	89.7	82.8	74.7	69.3	62.9	73.2	62.9	66.8	76.4	87.9	53.6	110.5
6.3	90.8	84.2	77.7	72.2	69.3	73.7	70.7	68.5	78.3	87.6	68.8	116.9
8	88.4	85.0	76.8	70.4	67.2	74.7	67.5	67.5	77.8	88.9	63.3	116.8
10	91.7	86.1	79.1	73.7	68.6	74.2	72.1	70.0	80.0	88.5	66.3	118.6
12.5	91.8	86.6	80.5	77.0	71.8	80.9	85.1	84.5	87.4	91.5	83.2	121.4
16	90.0	85.4	78.3	73.6	68.0	74.4	76.9	76.5	82.5	88.4	74.6	121.9
20	90.4	86.3	80.0	74.5	68.0	70.7	71.9	74.3	81.7	87.5	69.6	123.4
25	107.6	104.8	102.6	96.2	79.5	85.2	92.5	95.4	101.0	103.5	88.3	125.5
32	98.7	95.8	93.2	86.8	71.1	76.3	83.3	86.3	91.9	95.4	79.7	125.6
40	92.0	87.8	83.0	74.5	76.7	73.6	71.7	80.8	82.5	89.2	76.8	125.7
50	100.5	96.9	94.1	86.8	81.6	82.7	80.5	79.3	84.8	97.5	90.7	125.1
63	91.9	88.3	85.0	78.3	82.1	74.4	74.5	77.0	80.9	89.7	82.1	123.9
80	88.8	89.3	88.4	82.9	80.8	74.9	79.7	81.4	86.2	88.6	84.5	123.2
100	87.8	87.1	85.7	76.9	73.1	71.6	73.7	80.8	82.3	86.7	78.4	122.5
125	87.5	86.7	83.0	78.6	74.7	73.8	75.2	80.8	83.6	87.1	81.1	121.7
160	87.6	86.0	83.1	76.7	75.2	75.4	75.6	81.5	85.3	89.0	80.5	120.6
200	88.5	87.3	83.9	79.8	76.0	78.4	82.6	83.0	87.0	89.0	81.6	119.7
250	88.1	87.2	83.8	78.4	75.8	78.2	79.5	83.1	86.3	87.6	81.1	117.3
320	88.3	87.4	85.1	77.2	77.1	76.9	77.9	83.9	87.0	88.4	82.9	116.8
400	87.4	85.7	84.2	80.2	73.5	72.8	80.4	83.8	86.5	87.4	82.9	115.6
500	85.8	84.4	82.7	76.9	76.2	76.1	76.7	82.6	84.5	86.2	81.8	114.0
630	85.8	84.1	82.2	77.8	73.7	75.2	79.9	83.3	83.3	86.5	82.2	112.3
800	85.7	84.0	81.6	78.0	75.0	76.3	77.6	81.9	83.1	84.8	82.1	111.9
1.0k	83.7	82.5	81.0	77.6	74.8	75.0	77.1	80.9	82.0	83.1	82.6	109.3
1.25k	83.7	82.0	80.0	76.5	73.6	73.4	75.9	80.3	81.1	82.5	81.8	107.4
1.6k	84.4	82.1	80.9	77.1	74.3	72.6	74.3	79.1	79.9	80.9	79.5	104.7
2.0k	82.0	81.0	78.9	76.6	74.1	72.6	72.9	78.0	78.7	79.6	79.3	102.4
2.5k	82.9	82.0	79.6	79.2	77.7	74.8	75.4	78.4	79.6	79.8	82.5	102.6
3.2k	85.0	83.0	79.5	79.9	77.7	75.8	76.7	79.2	80.5	81.0	82.6	102.6
4.0k	83.4	81.8	78.5	75.8	73.6	72.0	73.3	77.1	78.6	78.4	79.9	101.8
5.0k	84.3	82.6	79.6	75.8	73.0	70.7	71.7	78.1	79.1	77.9	79.5	98.7
6.3k	83.8	81.8	80.3	74.8	72.5	69.7	70.7	77.8	78.8	75.7	79.3	97.5
8.0k	85.5	81.5	80.9	74.7	71.0	68.5	70.4	78.7	78.7	73.3	79.8	98.8
10.0k	84.7	78.6	78.1	72.0	68.7	64.9	66.7	75.7	74.9	73.6	77.6	96.9
12.5k	83.2	73.5	72.9	67.4	62.5	59.0	61.5	71.5	70.1	76.0	74.3	95.8
16.0k	80.2	68.7	65.9	62.1	55.8	51.7	55.7	66.9	62.8	73.8	69.9	94.9
20.0k	71.5	63.1	59.0	58.0	47.8	41.0	48.0	63.8	58.7	66.7	64.3	92.8
PNLT	111.4	109.5	106.9	104.6	101.8	100.1	102.4	105.5	107.1	108.2	107.4	134.8
LA	96.4	94.5	92.4	89.1	86.6	85.5	87.4	91.6	92.9	94.0	92.9	120.7
SPL	109.9	106.9	104.5	98.3	94.1	91.8	95.7	98.7	103.1	106.6	97.4	135.2

RPM = 404., Collective = 6.0 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	91.9	85.5	80.3	0.0	66.5	71.2	65.8	66.0	75.3	90.4	55.3	114.1
6.3	93.6	86.9	81.7	0.0	71.0	72.7	72.7	71.9	75.5	90.5	72.8	124.9
8	91.9	87.8	80.8	0.0	70.1	71.8	72.1	69.9	75.2	90.5	66.0	120.9
10	91.9	88.7	81.1	0.0	72.9	71.2	72.3	72.7	76.6	90.9	65.5	122.7
12.5	92.8	89.2	83.5	0.0	72.6	80.6	84.7	84.8	86.5	92.5	83.2	125.2
16	92.7	88.8	81.8	0.0	69.4	73.0	76.3	76.3	80.1	89.5	74.6	125.3
20	92.6	90.3	83.0	0.0	69.3	69.4	72.7	75.2	80.8	90.4	70.6	129.3
25	108.4	105.4	103.8	0.0	79.7	85.1	93.2	97.8	101.7	105.2	89.3	131.3
32	99.6	96.8	94.4	0.0	71.8	75.9	83.8	88.2	92.1	96.3	80.8	129.3
40	94.8	92.7	85.9	0.0	77.5	75.5	72.7	79.2	83.1	89.6	77.9	128.0
50	101.7	97.8	95.3	0.0	93.3	83.0	83.0	83.1	87.2	98.3	90.5	127.6
63	94.1	91.2	86.5	0.0	83.7	74.8	76.0	79.9	82.3	90.0	82.3	126.6
80	89.5	89.7	87.3	0.0	80.8	79.3	84.4	89.5	90.9	92.6	85.8	126.8
100	90.3	89.4	87.7	0.0	74.8	74.5	75.0	81.0	84.4	87.5	79.6	125.2
125	88.6	88.8	83.2	0.0	74.3	75.6	76.5	81.6	83.9	87.2	81.2	124.4
160	89.4	88.0	82.9	0.0	75.0	76.6	76.2	83.4	85.7	89.5	80.7	123.8
200	89.3	89.1	83.8	0.0	75.7	78.9	80.6	84.7	87.3	88.3	81.9	122.8
250	88.4	88.1	83.2	0.0	75.4	78.0	79.4	83.8	85.9	86.7	81.6	120.9
320	88.5	87.7	84.1	0.0	76.8	76.9	77.7	84.5	86.2	86.9	83.1	120.2
400	87.6	86.1	83.3	0.0	73.7	72.8	79.8	84.0	85.2	86.1	82.0	118.7
500	86.4	84.8	82.0	0.0	76.5	76.2	76.7	82.2	83.7	84.5	82.5	117.0
630	86.6	84.1	81.8	0.0	74.5	75.3	79.4	82.6	82.3	85.2	83.4	115.4
800	86.8	84.8	82.0	0.0	76.0	77.3	78.0	81.2	82.9	83.7	83.9	114.6
1.0k	85.5	85.3	84.0	0.0	77.2	76.7	79.4	82.3	82.9	83.0	85.5	112.4
1.25k	84.4	83.0	81.6	0.0	75.5	75.6	78.2	81.6	82.1	82.2	86.0	110.5
1.6k	84.4	82.4	81.1	0.0	74.5	73.2	75.3	79.1	80.3	80.4	81.0	107.7
2.0k	82.6	81.4	79.4	0.0	74.8	73.2	73.7	77.9	79.3	79.6	80.7	105.0
2.5k	83.9	82.7	80.1	0.0	78.3	75.2	76.3	78.5	80.5	80.1	83.8	105.0
3.2k	85.6	83.4	79.8	0.0	78.0	76.3	77.3	79.5	81.5	81.1	83.6	105.1
4.0k	83.9	82.2	79.1	0.0	74.1	72.6	74.2	77.4	79.6	78.9	80.9	103.4
5.0k	84.9	83.2	80.1	0.0	73.5	71.2	72.3	78.6	80.1	78.4	80.5	101.3
6.3k	84.7	82.7	81.0	0.0	73.1	70.3	71.4	78.5	79.9	76.3	80.5	99.9
8.0k	86.2	82.5	81.8	0.0	71.8	69.2	71.4	79.5	79.8	73.8	81.0	100.7
10.0k	86.0	79.6	78.9	0.0	69.4	65.6	67.5	76.3	76.2	74.5	78.8	98.9
12.5k	84.5	74.5	73.9	0.0	63.5	59.9	62.9	71.8	71.5	77.5	75.7	98.0
16.0k	81.8	70.1	66.9	0.0	57.7	52.7	57.6	65.9	64.5	75.4	71.5	96.9
20.0k	73.3	65.2	59.5	0.0	52.4	42.0	52.9	59.0	60.6	67.9	65.8	95.1
PNLT	112.1	110.2	107.3	0.0	102.4	100.8	103.1	106.1	107.8	108.1	108.6	137.7
LA	97.2	95.3	93.0	0.0	87.4	86.3	88.2	92.0	93.2	93.5	94.6	123.7
SPL	110.9	107.9	105.6	0.0	95.4	92.1	96.4	100.6	103.7	107.9	98.3	139.0

RPM = 4040, Collective = 8.5 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	73.5	69.2	58.9	58.5	45.6	69.7	58.4	58.8	63.2	71.6	49.5	90.6
6.3	72.5	69.0	60.7	60.6	50.1	70.3	61.4	60.8	64.3	73.0	52.5	95.3
8	74.8	71.6	61.2	61.5	50.1	69.9	61.0	59.8	65.5	73.7	55.6	97.7
10	76.5	73.0	65.2	64.2	56.4	70.3	65.2	63.0	67.3	73.6	56.0	98.3
12.5	76.6	73.0	65.6	65.1	58.9	70.3	63.8	63.8	67.8	74.7	60.5	99.7
16	75.8	71.9	63.1	62.1	56.5	67.0	61.2	60.9	66.6	73.8	58.9	100.0
20	77.6	73.4	65.7	65.9	60.4	65.5	62.4	61.7	67.3	74.1	64.7	102.5
25	92.2	84.9	79.6	86.6	77.4	73.1	83.4	82.8	87.1	92.4	91.1	106.0
32	83.2	76.0	71.0	76.7	67.9	65.8	73.7	73.1	77.5	82.7	81.0	102.7
40	79.9	75.7	72.4	71.3	65.1	67.2	68.7	67.5	69.9	71.8	71.9	101.6
50	92.0	89.2	86.2	78.9	78.3	79.0	77.8	83.4	84.2	86.0	78.2	104.5
63	82.9	80.3	77.0	71.2	69.6	69.4	68.9	73.9	75.3	78.0	69.9	102.7
80	89.0	89.2	86.6	79.9	76.7	72.5	76.3	83.4	87.4	91.0	75.8	104.9
100	87.6	85.0	83.7	75.8	72.2	65.4	67.6	78.4	80.5	87.6	79.1	98.3
125	87.0	84.5	81.2	77.5	74.4	68.8	69.3	78.5	82.4	85.9	78.6	97.7
160	83.9	81.4	81.0	71.8	72.3	70.7	70.6	79.3	81.7	82.3	74.0	96.6
200	83.2	80.9	79.7	74.8	70.7	72.1	74.5	79.5	82.7	84.5	76.2	97.2
250	81.7	81.3	78.7	73.2	71.1	73.2	73.2	78.6	81.1	83.1	75.5	97.9
320	83.3	82.0	79.8	71.7	71.2	71.5	72.8	80.4	82.5	84.5	77.4	97.3
400	83.3	81.9	80.3	75.9	69.4	68.0	76.2	80.8	82.9	84.5	78.1	96.1
500	81.9	80.4	79.4	71.8	71.2	71.7	73.1	80.3	82.1	84.0	77.4	95.5
630	82.3	79.9	76.9	73.2	69.3	73.3	77.3	82.1	81.5	85.2	77.9	95.0
800	80.3	79.5	77.8	72.6	69.6	71.7	73.3	78.0	80.6	82.2	77.8	95.0
1.0k	79.3	77.1	75.8	71.3	68.6	69.8	72.6	75.9	78.6	80.3	75.8	91.5
1.25k	79.5	76.5	75.7	71.4	69.3	69.6	72.2	75.5	77.8	79.4	77.2	91.0
1.6k	78.8	76.8	76.1	72.0	69.3	69.3	71.0	74.5	77.2	77.6	75.9	91.3
2.0k	75.7	74.3	72.8	70.0	67.8	69.1	68.6	72.6	75.0	74.8	76.1	88.2
2.5k	75.9	73.8	72.3	70.6	68.9	69.1	68.9	72.2	73.7	74.3	79.1	96.0
3.2k	75.8	73.6	71.3	69.9	67.5	68.7	69.7	71.8	74.6	74.6	76.6	96.2
4.0	71.9	70.5	68.2	64.2	62.5	63.5	64.8	67.9	72.7	71.1	71.5	92.3
5.0k	75.3	73.5	71.0	67.1	65.7	65.6	66.0	71.4	73.1	71.8	74.7	98.0
6.3k	69.0	67.2	66.4	60.4	58.7	60.0	60.5	66.8	68.8	65.6	69.7	89.1
8.0k	70.2	66.6	66.6	60.8	58.0	59.5	60.7	67.1	67.8	61.7	71.3	91.3
10.0k	68.2	62.4	62.2	56.6	53.7	54.8	55.1	62.6	62.6	61.3	67.8	86.8
12.5k	67.5	56.7	57.3	52.8	49.0	48.7	50.1	58.6	57.5	64.3	65.9	84.7
16.0k	65.1	52.4	51.8	50.4	43.9	42.7	44.9	53.5	50.9	62.4	62.5	82.0
20.0k	56.7	47.2	46.2	49.7	36.9	36.5	38.9	49.8	49.4	55.5	58.1	80.5
PNLT	104.7	102.6	100.6	96.6	94.4	94.6	96.8	100.4	102.7	103.6	102.7	122.6
LA	89.9	88.0	86.6	82.1	79.6	82.6	82.6	87.1	89.0	90.6	87.8	105.9
SPL	98.9	96.2	93.7	90.3	85.8	85.9	88.5	92.6	95.2	98.5	93.9	114.3

RPM = 404., Collective = 8.5 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	73.1	69.2	60.1	56.7	47.3	70.2	58.5	60.5	66.9	70.8	49.8	93.3
6.3	73.7	70.5	62.3	59.9	55.3	72.0	61.3	63.6	68.6	71.1	56.6	105.8
8	74.9	69.8	62.6	60.6	52.2	71.9	60.8	61.4	68.3	71.8	56.1	100.6
10	75.9	73.0	66.0	63.0	57.3	70.9	63.0	63.5	70.7	73.2	56.3	101.3
12.5	76.4	73.9	67.7	65.3	61.4	69.4	64.9	65.6	72.3	72.9	61.0	105.0
16	76.2	71.7	64.1	61.7	57.4	67.4	62.1	63.9	70.9	73.5	59.4	104.5
20	76.8	71.5	66.5	65.1	60.9	66.5	63.3	64.0	71.1	74.5	64.9	108.0
25	90.4	81.4	70.5	84.6	76.9	72.5	83.1	83.7	85.8	90.7	90.6	108.8
32	82.0	74.0	66.2	75.1	67.6	66.0	73.8	74.6	77.1	81.8	81.0	105.9
40	79.9	75.4	72.5	71.7	65.4	67.5	68.0	67.8	70.7	73.0	71.8	105.1
50	91.2	88.9	85.8	78.5	78.5	84.0	77.2	84.2	85.1	81.8	76.5	106.3
63	82.8	80.3	77.1	71.0	70.2	70.5	68.7	75.0	76.3	76.5	69.3	103.9
80	88.5	89.3	86.7	79.3	76.4	72.7	77.0	83.5	87.7	88.8	75.0	105.6
100	87.1	85.1	83.5	76.1	71.9	64.7	68.2	77.8	78.8	83.8	79.8	101.3
125	86.5	84.5	80.7	77.3	73.7	69.6	69.3	78.9	82.2	81.6	78.8	100.4
160	83.4	81.4	81.0	71.5	72.4	68.8	72.0	77.4	80.6	79.5	73.0	99.0
200	81.1	79.8	79.1	74.3	69.8	69.8	73.5	77.4	80.5	82.1	73.7	98.7
250	80.0	79.3	77.3	72.0	70.6	71.2	70.2	75.7	78.3	80.9	73.6	98.3
320	81.4	80.0	78.0	70.2	72.2	69.4	69.4	77.1	79.1	81.3	74.7	97.3
400	81.1	79.7	78.1	73.2	68.0	65.4	72.4	77.2	79.1	81.3	74.9	95.3
500	79.8	78.3	76.9	69.7	68.9	68.1	69.7	76.5	78.5	80.7	75.2	94.3
630	80.8	78.3	77.3	71.4	68.1	70.0	75.5	81.1	79.2	83.4	74.6	93.8
800	78.8	77.8	75.9	71.2	68.4	69.7	71.6	76.5	78.9	80.4	76.1	93.9
1.0k	77.7	75.7	74.4	70.0	67.6	68.1	71.1	74.4	77.0	79.0	74.6	90.4
1.25k	78.4	75.8	74.4	70.4	68.6	68.6	71.3	74.5	76.6	78.8	76.9	90.5
1.6k	77.9	76.2	75.3	71.1	69.3	68.1	70.0	73.4	76.1	77.1	75.7	90.5
2.0k	75.4	74.1	72.6	69.5	68.3	67.9	67.7	71.9	74.3	74.7	75.8	88.9
2.5k	78.5	76.7	74.6	72.9	72.5	72.1	69.6	73.0	74.6	75.2	79.5	96.5
3.2k	78.4	75.8	72.3	71.3	69.3	68.9	69.9	72.0	74.7	75.8	77.3	97.2
4.0k	74.6	73.1	70.3	66.3	64.6	64.2	65.4	68.9	71.4	72.1	72.4	91.8
5.0k	76.9	75.4	72.7	68.4	66.5	65.8	66.6	72.4	73.7	72.7	75.5	97.6
6.3k	73.2	71.8	70.7	64.3	62.7	61.6	62.3	69.2	70.5	68.3	71.7	90.0
8.0k	74.5	71.1	70.5	64.1	61.6	60.7	62.3	69.3	69.5	66.0	72.5	92.7
10.0k	73.4	67.4	67.4	60.9	58.7	56.0	57.4	64.9	65.0	65.3	69.5	87.3
12.5k	71.9	62.3	62.2	56.8	52.9	50.1	52.0	60.6	59.7	67.0	67.4	85.9
16.0k	68.8	57.0	55.0	51.7	45.4	43.7	46.4	54.7	52.2	65.0	63.9	83.5
20.0k	60.0	51.0	48.0	49.7	37.6	36.8	39.6	50.0	49.2	60.3	59.2	81.7
PNLT	104.7	102.6	100.6	97.1	96.3	93.6	96.5	100.9	101.5	102.5	102.6	123.2
LA	89.6	87.7	86.0	81.9	80.1	79.5	81.4	85.9	87.5	89.2	87.6	105.9
SPL	98.0	95.6	93.1	89.2	85.7	85.6	87.6	92.0	94.3	96.3	93.4	117.2

RPM = 400,, Collective = 8.5 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	74.0	66.7	61.9	61.5	67.7	74.0	63.1	59.7	68.7	74.3	49.4	100.5
6.3	76.2	68.3	65.7	63.[illegible]		73.1	65.8	63.5	70.9	75.5	55.0	107.9
8	76.7	69.6	66.4	64.		72.8	6[illegible].9	63.8	71.9	76.0	57.4	107.3
10	77.6	71.6	68.2	65.1		72.9	66.8	64.8	72.9	77.9	59.5	110.2
12.5	77.7	72.9	68.8	67.5	6[illegible].	1.0	66.9	65.8	73.6	78.0	65.0	110.2
16	77.4	72.4	66.5	65.1	58.4	[illegible]3.2	64.9	63.6	72.8	76.8	62.0	113.7
20	77.2	73.1	68.5	66.3	61.5	68.1	64.4	64.7	72.7	77.4	64.7	114.2
25	93.6	90.1	86.7	79.9	77.3	72.7	81.9	87.1	88.9	92.0	88.7	117.6
32	84.7	81.1	77.3	71.4	68.3	66.8	72.9	77.8	79.9	83.4	79.3	115.9
40	80.5	76.4	73.0	71.6	66.2	68.4	69.0	68.7	72.1	75.2	71.8	116.4
50	88.4	87.2	80.5	75.8	78.3	79.7	75.4	82.7	83.8	80.6	74.0	115.4
63	81.3	79.5	76.3	70.0	70.1	73.4	67.8	74.4	76.1	77.2	68.5	115.2
80	87.8	87.3	84.8	77.2	72.6	73.0	76.9	83.3	87.6	90.5	70.9	114.4
100	85.6	83.3	82.3	74.4	70.6	65.4	67.9	77.1	78.9	85.3	77.8	112.5
125	85.9	84.2	80.7	77.3	73.5	69.1	69.7	78.4	81.2	83.9	78.1	111.6
160	83.6	81.5	81.1	72.2	72.1	70.3	70.6	79.0	81.3	81.4	73.9	110.4
200	81.2	80.2	79.2	74.6	70.3	70.5	75.4	78.7	81.4	83.3	74.3	109.3
250	80.5	80.6	77.9	71.8	69.9	72.1	72.2	77.5	80.3	82.4	74.4	107.3
320	81.6	80.9	78.8	70.5	70.4	70.8	71.8	79.8	82.0	83.1	76.1	106.9
400	81.6	80.1	78.7	74.8	69.1	66.8	74.8	79.8	81.7	83.0	76.6	105.3
500	80.5	78.6	77.7	71.0	70.6	70.4	72.3	79.4	81.5	83.1	76.9	103.9
630	81.8	79.1	78.4	73.2	69.6	71.3	76.6	81.6	81.3	85.0	77.9	102.1
800	79.8	78.7	77.4	72.7	69.4	71.0	73.1	77.8	80.6	81.8	77.1	101.1
1.0k	78.8	76.7	75.6	71.1	68.2	69.1	71.7	75.7	78.3	80.2	75.4	97.7
1.25k	79.5	76.6	75.6	71.3	69.1	68.8	71.8	75.6	77.9	79.6	77.1	95.6
1.6k	79.3	77.2	76.7	72.0	70.5	68.4	70.1	74.7	76.8	77.6	76.1	93.8
2.0k	76.7	75.0	74.1	70.5	68.6	68.1	68.1	72.8	74.8	75.3	75.5	91.4
2.5k	78.0	76.1	74.6	73.5	71.7	70.0	69.8	73.0	74.8	75.4	78.3	96.6
3.2k	80.9	78.4	74.8	74.7	72.7	70.8	71.8	73.9	76.2	76.8	78.1	97.9
4.0k	78.2	76.0	73.0	69.5	67.6	66.1	67.1	70.8	73.2	73.5	73.8	92.6
5.0k	79.3	77.6	74.8	70.4	68.2	67.3	67.8	74.0	75.5	74.0	76.2	97.3
6.3k	78.1	75.4	74.0	68.2	66.1	63.9	64.6	71.6	73.2	70.9	73.7	91.2
8.0k	76.5	74.2	74.1	67.6	64.5	62.9	64.4	71.8	72.8	66.2	74.1	93.4
10.0k	77.6	70.9	71.1	64.5	62.2	58.6	59.9	67.6	67.7	66.8	71.7	89.2
12.5k	75.8	65.8	65.9	60.6	56.9	52.6	54.4	63.0	62.5	69.3	69.1	87.7
16.0k	72.6	61.0	58.9	54.1	48.6	45.7	48.5	56.8	54.7	66.9	65.5	85.7
20.0k	63.3	53.1	50.6	52.2	38.8	37.3	40.8	50.9	51.2	58.4	60.5	83.5
PNLT	106.3	104.1	101.8	99.4	97.3	94.9	97.6	101.8	102.9	103.7	102.2	127.4
LA	91.2	88.9	87.4	83.5	81.3	80.5	82.5	87.3	89.1	90.5	88.1	118.9
SPL	98.6	96.2	93.8	88.8	85.7	86.4	87.7	93.2	95.5	97.8	92.5	126.5

RPM = 404., Collective = 8.5 deg, Blade Pressure Ratio = 1.3

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11	12
5	78.8	73.4	63.7	63.2	48.8	72.6	63.2	61.3	69.4	79.5	51.6	104.5
6.3	81.4	73.9	65.7	63.7	55.1	72.1	65.5	63.4	70.3	80.1	61.3	113.1
8	81.3	75.5	67.5	63.8	55.6	71.1	64.3	65.4	70.9	80.1	60.1	110.8
10	81.9	76.4	68.1	66.6	59.3	71.1	66.9	66.9	72.8	80.5	60.6	112.5
12.5	85.7	80.3	75.5	72.9	68.3	72.6	75.4	75.9	81.0	83.9	72.4	119.7
16	82.4	76.6	70.0	66.9	62.4	69.5	68.6	69.3	75.4	81.4	66.5	116.6
20	82.8	76.8	71.6	67.3	62.4	68.4	67.0	69.8	75.2	81.8	65.8	121.6
25	100.0	97.3	94.2	84.4	77.9	72.9	86.1	92.2	95.3	98.2	87.6	123.4
32	91.0	88.2	85.3	75.7	69.9	67.3	76.8	82.9	85.9	89.0	78.5	120.8
40	82.9	77.5	73.6	71.9	67.5	69.3	69.1	71.1	74.8	79.2	72.7	119.0
50	86.6	82.0	78.1	72.2	76.0	81.2	74.0	83.6	87.5	89.0	81.0	119.4
63	83.2	79.2	74.9	71.4	69.4	72.3	68.9	76.4	80.1	82.9	73.8	118.6
80	89.3	86.5	82.8	78.3	70.8	74.5	77.9	84.0	88.3	90.7	76.1	118.0
100	85.6	83.9	83.0	75.1	71.8	66.8	68.2	76.5	79.5	86.5	76.3	117.2
125	86.1	84.2	80.8	77.4	73.9	69.3	69.7	77.9	81.0	85.0	78.0	116.2
160	84.1	81.7	80.9	72.7	72.5	70.7	71.2	78.7	80.7	82.5	76.0	114.4
200	83.2	81.7	79.9	74.5	71.5	72.2	77.1	79.3	82.1	84.1	75.8	113.4
250	81.9	81.3	78.8	72.9	71.2	73.1	73.6	78.5	81.1	82.7	75.8	111.2
320	82.6	81.4	79.2	70.9	71.2	72.0	73.0	80.6	82.5	83.1	77.1	110.4
400	82.2	80.6	79.0	74.8	69.1	67.6	75.4	80.0	81.6	82.6	76.9	109.1
500	81.3	79.2	77.9	71.1	70.7	70.9	72.3	79.0	81.0	82.6	77.0	107.1
630	82.5	79.4	78.5	73.5	69.8	72.0	77.1	80.9	80.8	84.9	77.7	105.6
800	80.9	79.3	77.7	73.2	70.5	71.7	73.3	77.6	80.0	81.3	77.3	104.7
1.0k	79.6	77.3	76.0	72.0	69.5	69.9	72.5	75.8	77.9	79.7	76.4	101.9
1.25k	80.3	77.4	76.0	71.9	69.7	69.5	72.2	75.9	77.6	79.3	77.6	99.7
1.6k	79.8	77.9	76.8	72.3	70.7	69.3	72.3	74.9	76.7	77.6	76.5	97.2
2.0k	78.0	76.4	76.1	72.3	71.1	69.3	69.1	73.6	75.4	76.3	76.7	95.0
2.5k	79.6	77.8	76.3	75.2	74.2	71.3	71.2	74.1	76.1	76.5	79.1	97.8
3.2k	82.2	79.6	76.3	76.3	74.9	72.5	73.0	75.0	77.4	77.6	79.6	98.4
4.0k	80.2	78.0	75.0	71.7	70.0	67.9	69.0	72.4	74.9	75.0	75.6	94.8
5.0k	81.4	79.2	76.3	72.1	69.7	67.8	68.7	75.0	76.8	75.2	76.9	96.4
6.3k	80.9	77.9	76.6	72.7	68.8	66.0	66.9	73.8	75.3	73.2	75.9	93.1
8.0k	81.1	76.9	76.8	72.5	67.3	64.7	66.4	74.1	74.3	68.4	76.0	95.0
10.0k	80.4	73.5	73.7	67.2	64.8	60.8	62.3	69.8	69.8	68.0	73.7	91.6
12.5k	78.5	68.3	68.3	62.8	59.2	54.7	56.7	65.0	64.8	71.5	70.3	89.9
16.0k	75.1	63.6	61.2	55.9	51.2	47.6	50.6	58.8	57.0	68.8	67.0	88.2
20.0k	66.1	56.0	52.9	50.8	40.4	38.3	42.1	52.3	53.1	60.3	61.6	85.9
PNLT	107.6	105.1	102.8	100.3	97.8	96.3	98.8	101.7	103.8	104.6	103.5	128.8
LA	92.6	90.1	88.4	84.7	82.9	81.6	83.3	87.7	89.4	90.6	89.0	114.2
SPL	102.5	99.6	96.9	89.6	86.3	87.2	89.9	95.5	98.5	101.3	92.9	130.7

RPM = 404., Collective = 8.5 deg, Blade Pressure Ratio = 1.4

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11	12
5	87.0	80.5	74.7	61.7	51.9	70.4	68.3	67.0	74.3	83.0	53.5	106.1
6.3	87.9	81.2	76.3	63.1	56.8	72.2	69.5	69.2	74.9	83.6	63.4	112.8
8	87.3	82.0	77.9	64.1	57.7	70.8	70.3	69.0	75.9	84.1	61.0	110.2
10	87.9	81.4	79.3	67.3	62.0	71.2	71.8	69.5	78.3	84.9	62.8	113.1
12.5	87.9	83.1	84.3	73.2	68.3	75.1	78.8	79.1	83.6	86.3	75.0	118.3
16	87.4	82.5	81.6	67.8	63.7	70.1	72.8	72.9	78.6	84.8	68.6	116.2
20	87.7	83.4	83.0	71.6	65.3	68.5	71.4	73.5	79.7	85.3	68.8	119.8
25	104.7	101.9	105.1	91.6	76.9	78.9	90.5	95.8	99.5	102.8	89.7	122.2
32	96.2	93.0	95.9	82.6	69.9	71.1	81.5	86.8	90.6	93.8	80.8	120.1
40	88.5	82.2	83.6	72.0	69.5	69.4	70.5	73.2	77.8	82.8	73.3	119.8
50	93.4	87.5	88.8	76.1	82.6	81.9	73.4	83.1	89.6	94.5	86.2	118.8
63	87.6	81.2	83.2	72.1	74.3	73.3	69.9	77.0	82.3	86.7	78.7	118.1
80	91.1	86.7	92.4	81.5	73.4	71.6	75.0	81.8	85.8	88.2	80.8	117.3
100	85.9	82.4	86.6	72.9	70.8	69.5	70.0	78.0	81.2	86.8	77.9	116.6
125	85.7	83.8	85.9	77.0	74.2	71.8	72.7	79.2	82.3	85.0	78.9	115.9
160	84.8	81.8	86.6	74.3	72.7	72.5	73.1	79.6	82.0	83.9	77.5	114.7
200	84.7	81.9	85.9	74.9	72.5	73.9	74.8	80.6	83.0	84.6	78.2	113.2
250	83.8	82.1	85.7	74.0	71.9	73.7	75.3	79.5	82.1	83.9	77.7	111.0
320	84.1	82.1	86.2	71.6	72.7	72.7	73.5	80.9	83.1	84.0	78.3	110.5
400	83.4	81.0	85.7	75.6	70.1	68.3	75.7	80.1	82.3	83.1	78.1	109.3
500	82.1	79.5	84.0	71.4	71.2	71.5	72.6	79.3	81.1	82.8	77.7	107.6
630	82.6	79.4	84.2	73.9	70.3	71.7	77.4	80.5	81.1	84.5	78.9	106.8
800	81.2	79.5	83.6	73.2	71.3	71.7	73.2	78.1	80.5	81.4	77.7	105.6
1.0k	80.1	78.0	82.8	73.0	71.0	70.1	72.5	76.7	78.8	80.0	77.2	102.9
1.25k	81.2	78.3	82.9	72.8	71.0	69.9	72.2	77.0	79.0	80.0	78.7	100.8
1.6k	81.4	78.9	83.9	73.2	71.7	70.0	71.2	76.5	78.4	78.7	77.8	98.6
2.0k	79.3	77.7	83.1	73.4	72.3	70.2	70.3	75.5	77.3	77.3	78.2	96.8
2.5k	80.8	78.8	83.0	76.4	75.3	72.1	72.6	75.5	77.5	77.3	80.1	98.8
3.2k	83.7	80.5	83.1	77.0	75.4	73.3	70.0	76.6	78.7	78.7	80.3	99.1
4.0k	82.1	79.1	82.2	72.8	71.5	69.3	70.4	74.2	76.5	76.2	77.2	97.2
5.0k	82.7	80.1	83.2	73.0	70.7	68.2	69.3	76.0	77.6	76.1	77.6	96.2
6.3k	82.3	79.5	84.1	72.0	70.5	67.3	68.2	75.6	77.0	74.4	77.3	94.3
8.0k	83.0	78.7	84.3	71.7	69.0	66.0	67.8	76.1	76.2	70.4	77.7	96.1
10.0k	82.2	75.6	81.3	68.8	66.7	62.3	63.8	72.1	72.0	69.9	75.2	93.3
12.5k	80.3	70.2	75.9	63.9	60.6	56.3	58.3	67.6	67.1	73.4	72.3	91.6
16.0k	76.9	65.3	68.7	57.0	52.8	49.1	52.1	61.9	60.9	70.9	68.2	90.8
20.0k	68.1	58.2	61.0	50.6	41.9	39.2	43.4	57.2	57.7	62.5	62.7	87.8
PNLT	109.1	106.0	109.7	101.3	98.9	97.1	99.8	102.9	105.0	105.6	104.7	129.1
LA	93.8	91.0	95.2	85.6	84.3	82.2	84.0	88.6	90.4	91.2	90.1	114.7
SPL	106.7	103.5	106.6	93.8	88.1	88.1	92.9	98.0	101.6	104.9	95.0	130.0

RPM = 404., Collective = 8.5 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.2	84.7	77.3	68.7	51.9	71.0	63.9	63.0	69.5	83.8	53.3	105.2
6.3	86.9	86.0	79.4	71.8	65.2	70.9	68.1	68.1	72.1	83.7	67.0	115.2
8	88.2	86.4	80.1	69.8	60.0	73.7	66.5	65.2	71.3	83.7	62.8	112.9
10	89.7	84.5	81.1	71.1	62.3	71.9	68.2	66.2	73.0	84.2	63.5	113.0
12.5	89.4	86.9	84.2	77.2	70.3	76.6	81.0	81.2	83.2	87.4	79.9	120.3
16	88.3	86.9	82.5	72.9	65.5	71.1	72.9	73.3	77.7	84.6	72.3	119.4
20	89.7	86.4	84.9	73.5	65.4	68.5	69.4	71.9	77.0	85.7	69.0	120.5
25	106.5	104.1	107.0	94.6	76.7	80.4	91.4	96.9	100.4	103.8	90.0	122.2
32	97.5	95.1	97.6	85.2	70.6	72.1	82.0	87.3	90.9	94.3	80.7	121.9
40	89.7	85.2	85.7	72.8	71.0	72.4	70.1	75.0	78.2	82.8	75.8	121.8
50	97.8	94.1	96.1	82.6	88.6	80.7	77.2	76.8	88.1	96.8	89.6	121.7
63	90.3	86.5	89.1	75.6	79.1	72.4	72.0	76.9	81.7	88.1	81.6	119.8
80	89.5	87.5	91.0	82.7	77.3	72.0	72.9	80.0	82.6	85.4	82.7	119.7
100	86.6	83.8	88.0	73.2	70.1	70.3	71.5	78.7	80.7	85.6	77.2	118.8
125	86.9	85.2	88.2	78.8	75.6	73.1	74.2	81.0	83.0	84.9	81.4	117.6
160	86.7	84.3	88.4	75.1	73.4	73.9	74.0	81.2	82.8	86.8	79.2	116.6
200	87.4	84.3	89.3	77.9	74.0	74.8	79.8	81.7	84.5	86.4	80.5	115.3
250	86.0	84.2	88.4	75.6	73.2	75.7	77.3	81.7	84.1	85.8	78.9	113.5
320	86.2	83.8	89.2	72.8	73.7	75.0	75.6	82.6	84.8	85.8	80.3	112.6
400	85.5	82.5	88.4	77.5	71.0	70.3	77.9	82.0	84.0	84.9	80.5	111.4
500	84.7	81.3	87.0	73.2	73.2	73.7	74.3	80.5	82.7	84.2	80.0	109.8
630	84.5	80.9	86.6	75.0	71.5	73.8	78.7	81.6	82.2	84.7	80.5	108.2
800	83.7	80.8	86.2	74.7	72.7	73.6	75.3	78.7	81.5	82.3	79.8	107.8
1.0k	82.6	79.7	85.4	74.5	72.8	72.4	75.0	77.6	80.3	81.0	79.6	105.4
1.25k	83.4	80.1	85.7	74.7	73.2	71.8	74.3	77.7	80.2	80.6	80.1	103.5
1.6k	83.9	81.1	86.2	75.4	73.8	71.4	73.3	77.5	79.8	79.7	79.2	100.9
2.0k	81.0	79.8	84.7	75.4	73.8	72.2	72.8	77.5	79.2	78.9	79.6	99.0
2.5k	82.1	80.8	84.8	77.9	76.9	73.4	74.3	76.9	79.1	78.9	81.4	100.4
3.2k	84.7	82.3	85.3	79.2	77.5	74.8	75.8	77.8	80.3	80.2	81.8	100.4
4.0k	83.0	81.4	84.2	74.9	73.5	70.8	72.4	75.7	78.1	77.7	78.8	99.9
5.0k	83.9	82.3	84.9	74.8	72.8	69.4	72.6	76.7	78.6	77.2	78.6	97.0
6.3k	83.4	81.5	85.6	74.0	72.6	68.6	69.8	76.6	78.4	74.9	78.6	95.8
8.0k	84.9	81.0	86.1	73.8	71.0	67.1	69.5	77.4	77.8	72.1	79.0	97.3
10.0k	83.9	77.9	83.2	70.9	68.6	63.8	65.5	74.3	74.2	72.0	76.5	95.8
12.5k	82.2	72.7	78.1	65.9	62.6	58.3	60.8	69.3	69.2	75.1	75.0	93.5
16.0k	78.8	67.5	71.9	59.3	54.6	50.6	54.2	62.8	62.7	72.8	69.9	92.2
20.0k	70.3	60.9	68.5	52.2	43.6	40.0	45.1	56.3	60.2	64.5	64.0	90.3
PNLT	110.6	108.1	112.0	103.3	101.6	98.6	101.4	104.0	106.3	106.8	106.9	131.1
LA	95.6	93.0	97.5	87.4	85.8	83.9	85.9	89.8	91.9	92.3	91.7	116.8
SPL	108.5	105.9	108.7	96.6	91.6	89.1	93.9	98.9	102.2	105.9	96.6	131.7

RPM = 404., Collective = 8.5 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	90.3	86.2	77.6	0.0	64.2	72.6	64.3	65.3	76.8	86.9	54.5	112.3
6.3	90.8	86.8	78.5	0.0	73.1	72.2	71.8	72.3	77.5	88.5	71.3	116.5
8	91.4	86.7	79.4	0.0	68.0	73.1	68.4	69.3	76.8	87.5	65.1	118.8
10	90.6	88.0	80.3	0.0	67.2	72.1	71.5	70.0	77.3	89.2	65.7	120.8
12.5	91.8	89.1	83.7	0.0	71.7	79.8	84.5	84.4	86.9	92.5	82.4	122.0
16	91.5	88.9	80.5	0.0	68.4	73.0	76.2	76.0	80.2	88.3	74.2	123.5
20	91.4	89.6	82.5	0.0	69.9	68.8	71.1	74.1	79.7	87.8	70.3	125.4
25	108.7	105.9	103.5	0.0	78.0	83.2	92.8	97.8	101.9	105.3	89.7	127.1
32	99.6	97.0	94.1	0.0	70.5	74.5	83.5	88.4	92.5	96.1	80.8	126.2
40	91.9	88.4	82.8	0.0	74.6	71.2	70.8	75.3	79.8	86.2	76.4	126.6
50	100.6	96.9	94.2	0.0	91.5	81.7	80.3	78.6	86.9	98.6	91.6	125.8
63	92.5	88.6	85.2	0.0	82.0	73.6	73.7	77.7	81.2	88.8	82.9	125.2
80	89.5	90.3	89.4	0.0	80.9	73.2	76.4	81.4	83.8	85.9	84.2	124.2
100	88.2	86.5	84.8	0.0	72.8	71.2	71.9	78.3	81.5	86.6	79.1	123.5
125	88.6	87.1	82.8	0.0	75.0	72.5	73.3	80.1	82.7	86.1	81.7	122.1
160	89.4	87.3	83.9	0.0	75.2	74.3	76.3	82.5	85.5	89.1	80.2	121.3
200	89.3	88.3	85.2	0.0	76.7	75.3	80.8	83.4	86.3	89.3	81.7	120.1
250	88.7	88.6	85.0	0.0	76.8	76.9	78.4	82.8	85.4	88.4	80.9	118.3
320	88.4	88.0	86.6	0.0	78.1	75.2	75.7	83.9	86.7	88.2	82.7	117.5
400	87.4	86.4	85.3	0.0	74.3	71.6	78.7	83.4	85.5	87.3	83.3	116.3
500	86.3	84.3	83.5	0.0	76.8	75.1	75.6	82.6	85.0	86.6	82.3	115.0
630	86.5	83.7	82.6	0.0	73.9	74.0	79.3	83.2	84.2	86.8	82.4	113.1
800	85.8	83.7	81.9	0.0	75.3	75.3	76.3	80.8	83.6	85.0	81.9	112.7
1.0k	83.8	82.1	80.7	0.0	74.8	74.3	76.3	79.7	82.1	83.1	81.9	110.1
1.25k	84.3	81.8	80.1	0.0	73.6	72.7	74.9	79.0	81.1	82.4	81.3	107.7
1.6k	84.6	82.2	81.1	0.0	74.1	72.1	73.8	78.2	80.3	80.7	79.5	105.5
2.0k	81.8	81.0	79.1	0.0	74.3	72.3	72.6	77.6	79.2	79.3	79.4	102.9
2.5k	83.0	81.9	79.4	0.0	77.7	74.4	75.2	78.0	79.9	79.6	83.1	102.9
3.2k	85.0	82.7	79.4	0.0	77.3	75.1	76.0	78.4	80.6	80.6	82.5	103.0
4.0k	83.3	81.6	78.5	0.0	73.4	71.5	72.8	76.3	78.8	78.2	79.9	102.3
5.0k	84.2	82.7	79.5	0.0	72.9	70.3	71.0	77.7	79.3	77.7	79.6	99.2
6.3k	83.9	82.0	80.5	0.0	72.6	69.4	70.3	77.4	79.0	75.4	79.6	97.7
8.0k	85.3	81.7	81.1	0.0	71.1	68.2	70.1	78.2	78.8	72.9	80.1	99.1
10.0k	84.8	79.0	78.3	0.0	68.9	64.8	66.3	75.0	75.0	73.3	77.8	97.2
12.5k	83.2	73.8	73.1	0.0	63.1	59.0	61.1	73.2	70.1	76.0	74.5	95.9
16.0k	80.4	68.6	66.0	0.0	56.4	51.6	55.0	63.8	62.6	73.7	70.3	94.6
20.0k	71.7	62.3	58.5	0.0	48.8	41.0	45.7	56.9	58.9	66.0	64.8	92.8
PNLT	111.5	109.5	107.1	0.0	101.8	99.3	101.8	104.9	107.1	108.0	107.5	135.5
LA	96.6	94.6	92.7	0.0	86.6	84.8	86.5	91.0	93.1	94.0	92.9	121.4
SPL	110.7	108.0	105.3	0.0	94.1	92.4	95.4	99.9	103.6	107.7	97.8	136.3

RPM = 420., Collective = 0.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	52.6	50.0	49.3	54.5	46.7	79.3	46.5	48.5	49.6	53.4	47.6	80.2
6.3	57.4	55.1	56.4	53.7	52.5	80.8	50.8	55.7	56.5	60.4	53.1	80.3
8	59.6	54.8	55.1	55.0	51.0	78.9	54.4	54.6	55.8	60.9	55.6	80.2
10	65.8	62.8	61.5	61.8	57.8	78.8	62.6	60.1	63.3	64.9	56.1	80.2
12.5	68.6	64.4	63.5	64.0	60.7	77.3	64.7	64.7	65.9	69.2	61.6	81.3
16	64.4	63.1	60.0	60.5	57.4	75.9	60.1	59.6	63.9	66.1	61.5	80.9
20	68.7	66.5	65.4	64.9	60.4	73.3	61.6	62.0	64.8	68.0	63.7	80.2
25	95.4	91.6	88.2	86.5	66.2	76.2	86.7	86.9	89.5	93.3	91.2	105.2
32	93.9	90.0	86.6	84.9	65.4	74.2	85.0	85.2	87.8	91.4	89.4	103.4
40	79.6	75.9	73.1	72.2	64.9	69.8	69.5	68.7	70.1	71.3	72.4	87.3
50	93.7	89.0	84.6	80.9	74.7	81.4	80.7	83.8	83.7	82.4	84.9	106.3
63	92.7	88.1	83.7	79.9	73.9	80.3	79.6	82.8	82.8	81.9	83.7	105.2
80	89.8	88.7	85.6	75.8	77.8	78.8	82.1	90.4	94.0	96.7	78.8	106.0
100	88.4	86.2	83.7	77.3	74.5	69.5	72.9	81.7	84.0	89.1	80.6	96.6
125	91.8	89.3	85.8	79.9	76.7	71.2	72.6	82.0	83.6	89.9	82.7	95.1
160	88.9	86.3	83.8	74.6	74.0	71.3	74.3	80.5	85.6	86.9	75.1	91.5
200	85.3	84.7	82.4	76.8	75.1	67.7	74.0	78.1	79.9	84.3	76.6	95.2
250	83.6	81.5	78.7	73.4	71.8	68.7	71.5	75.8	79.1	81.6	75.6	94.3
320	85.5	83.7	82.2	75.1	72.9	70.5	71.8	78.6	81.8	83.9	79.2	97.1
400	85.4	82.6	80.9	76.0	69.1	67.0	73.8	78.9	82.3	84.5	78.7	96.7
500	85.4	82.0	79.7	72.3	70.5	70.4	72.2	79.4	82.0	84.5	76.6	97.5
630	85.6	81.8	79.7	76.1	69.7	72.0	80.3	81.2	82.8	84.3	79.6	98.0
800	83.9	81.8	78.7	73.9	69.9	72.1	74.5	78.9	81.2	82.9	78.0	96.1
1.0k	82.4	80.5	79.2	72.5	68.7	71.3	73.4	77.7	80.4	81.7	76.5	94.3
1.25k	82.1	79.7	78.1	72.5	68.8	71.1	73.1	77.3	79.7	81.2	78.0	93.1
1.6k	80.1	77.9	76.9	72.2	68.3	69.4	71.5	75.9	77.9	79.4	75.6	92.1
2.0k	78.[illegible]	75.8	75.1	72.0	67.6	69.3	70.4	74.9	76.4	78.1	74.6	89.7
2.5k	77.[illegible]	76.1	74.9	73.3	70.8	71.6	72.4	74.2	76.2	76.3	78.2	97.2
3.2k	75.2	73.1	70.9	70.4	67.0	69.9	70.9	72.4	75.0	75.1	76.4	95.6
4.0k	71.9	69.[illegible]	67.0	63.0	64.8	63.5	64.7	68.3	71.2	71.5	72.6	91.6
5.0k	72.2	71.3	68.6	64.8	61.7	63.5	64.1	70.0	72.4	70.8	72.3	93.1
6.3k	67.9	66.1	64.7	58.8	56.5	59.1	60.4	66.8	68.6	64.2	68.3	88.0
8.0k	68.2	64.3	64.1	58.1	54.5	57.3	59.1	66.7	67.2	60.7	67.6	88.3
10.0k	66.1	59.9	59.2	53.9	50.0	52.4	53.4	61.9	61.5	60.5	65.1	85.4
12.5k	64.8	54.2	53.7	50.2	44.1	46.8	47.9	57.3	56.2	63.1	61.9	84.0
16.0k	62.3	48.4	49.1	48.9	38.7	41.0	42.7	54.3	50.3	61.2	57.5	82.3
20.0k	54.5	45.2	44.3	49.7	36.5	37.5	38.2	53.5	48.3	54.3	52.8	81.0
PNLT	105.9	103.8	101.3	97.9	95.3	94.9	99.1	100.8	103.6	104.4	102.9	122.4
LA	92.3	89.9	87.9	83.4	79.7	81.0	83.9	87.5	89.8	91.4	87.9	106.1
SPL	102.3	99.1	96.0	91.9	85.8	90.2	92.0	95.5	98.2	101.1	96.0	113.7

RPM = 420., Collective = 0.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	53.8	50.9	49.2	56.3	47.1	73.0	46.0	48.7	50.5	53.2	48.6	95.8
6.3	63.2	62.5	63.3	60.5	58.3	73.7	59.6	60.7	60.9	64.2	55.1	101.9
8	62.8	60.7	61.5	59.7	56.7	72.9	57.8	58.8	59.4	63.0	56.4	103.0
10	65.6	62.3	61.0	61.7	57.3	74.1	62.0	59.9	62.7	64.8	56.0	102.7
12.5	69.2	64.5	64.7	65.2	61.5	71.3	65.0	65.1	64.9	69.3	61.2	103.6
16	65.2	64.4	61.7	60.8	58.5	69.5	60.5	59.9	63.1	65.3	61.0	104.2
20	68.5	66.3	64.8	65.2	62.6	67.9	67.1	69.4	71.6	72.9	64.1	105.5
25	94.9	91.0	86.3	84.6	62.3	75.4	85.7	85.7	88.7	92.9	91.1	107.5
32	93.9	89.8	85.3	83.5	61.9	74.3	84.6	84.7	87.6	91.6	89.8	106.5
40	80.0	76.4	74.2	72.4	65.5	67.8	68.9	69.4	71.9	73.6	73.3	103.3
50	93.4	88.8	84.5	80.4	74.2	83.2	80.7	83.8	85.3	85.5	83.8	106.6
63	93.0	88.5	84.2	80.0	73.8	79.6	80.2	83.5	85.0	85.1	83.3	105.9
80	90.5	90.1	87.5	77.4	78.6	79.5	82.1	90.4	93.9	96.5	79.1	106.2
100	87.6	86.0	83.8	76.8	74.4	70.2	73.7	82.3	85.2	89.1	79.9	100.5
125	91.4	88.9	86.1	80.3	76.8	71.1	73.4	82.7	85.4	90.3	82.2	99.2
160	89.6	86.4	84.1	76.1	75.0	71.1	73.8	79.9	85.5	86.7	75.7	97.7
200	84.2	83.6	81.5	76.3	74.4	68.2	75.9	78.9	80.3	83.1	75.5	97.9
250	82.1	81.0	78.5	72.5	71.0	69.1	71.8	75.7	78.6	80.9	76.5	95.9
320	84.3	82.6	81.8	75.0	73.1	70.1	72.2	78.1	81.3	82.5	79.3	97.1
400	84.4	82.0	79.9	75.4	68.3	66.3	73.2	78.1	81.1	82.3	77.4	95.8
500	84.7	81.6	79.1	72.3	71.2	70.2	71.9	78.8	81.3	83.3	77.8	96.3
630	85.1	82.0	80.2	76.4	70.1	72.4	80.3	80.9	83.0	83.3	79.0	97.4
800	84.2	82.2	79.3	74.9	70.8	72.4	75.2	79.0	81.8	83.1	78.0	96.5
1.0k	83.3	81.0	78.8	73.3	69.9	71.9	74.2	78.5	81.3	81.9	76.9	94.0
1.25k	83.5	80.5	78.7	73.3	70.1	71.8	74.2	78.5	80.7	81.7	79.1	93.4
1.6k	81.6	79.1	77.6	73.2	69.7	70.3	72.9	76.9	79.0	79.4	76.2	92.6
2.0k	78.6	77.0	75.4	72.6	69.2	69.7	71.5	74.9	77.2	76.6	75.2	90.0
2.5k	81.1	79.3	76.9	75.2	74.3	72.1	73.0	74.5	78.0	76.9	80.1	97.9
3.2k	79.0	77.0	74.0	73.5	71.2	70.9	72.4	73.6	76.5	76.3	78.0	95.6
4.0k	75.0	73.2	70.8	66.6	64.8	65.2	66.3	70.0	72.8	72.4	73.4	91.9
5.0k	75.4	74.0	71.3	67.1	64.5	65.2	65.6	71.9	73.8	71.7	75.3	94.5
6.3k	73.0	71.3	70.3	64.2	62.3	61.7	62.6	69.3	71.4	66.5	71.7	89.1
8.0k	74.0	70.2	70.1	63.7	60.8	60.3	61.9	69.4	70.1	62.9	71.1	89.5
10.0k	73.0	66.8	67.0	60.7	58.4	55.8	57.1	65.4	65.4	63.3	68.7	87.3
12.5k	71.3	62.1	60.9	56.1	52.3	49.4	51.5	60.5	59.8	66.1	65.3	85.6
16.0k	68.8	57.0	54.2	50.9	44.7	42.2	45.3	55.7	52.5	63.6	60.9	83.8
20.0k	59.5	49.1	47.5	49.6	36.9	36.5	39.0	53.8	49.9	55.7	54.9	81.8
PNLT	107.2	105.0	102.7	99.4	98.0	95.5	99.9	101.3	104.2	104.5	104.5	123.4
LA	93.1	90.7	88.6	84.5	81.6	81.6	84.6	87.9	90.5	91.1	88.7	106.3
SPL	102.2	99.1	95.9	91.4	86.4	88.2	91.8	95.5	98.4	101.1	96.0	116.8

RPM = 420., Collective = 0.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	60.4	56.8	50.1	54.6	46.1	73.4	46.5	49.5	56.0	60.5	47.8	101.4
6.3	66.1	64.5	64.1	60.4	58.6	74.0	62.9	63.6	64.3	66.8	61.1	110.4
8	66.3	63.5	62.5	59.5	57.2	73.0	61.5	61.9	63.2	67.1	60.3	110.5
10	67.4	62.8	60.5	61.2	56.9	72.2	61.3	59.0	63.5	66.8	56.6	109.4
12.5	73.5	70.3	66.3	64.1	61.0	72.4	72.6	72.9	76.1	77.5	70.0	113.8
16	72.8	70.1	65.4	62.2	58.9	71.2	72.2	72.5	76.0	77.0	69.7	113.9
20	70.8	67.9	67.8	68.6	65.1	68.0	69.2	71.3	74.0	75.6	64.7	116.0
25	93.1	89.2	84.5	77.8	66.7	76.6	83.8	83.9	88.1	91.5	89.9	115.6
32	92.5	88.6	83.9	77.2	66.1	75.8	83.2	83.3	87.3	90.7	89.1	114.9
40	83.7	79.6	76.4	72.6	70.7	68.7	69.5	71.1	75.9	80.0	73.7	114.0
50	90.5	86.6	82.8	78.5	72.3	76.3	78.2	81.8	85.1	87.5	81.8	112.4
63	90.6	86.6	82.6	78.5	71.7	76.4	78.4	82.1	85.2	87.7	81.8	111.5
80	91.2	90.3	88.3	78.4	79.0	77.4	80.6	88.7	92.4	95.8	78.0	111.0
100	87.0	85.5	83.8	76.7	74.3	70.0	73.2	81.6	84.5	88.4	80.1	109.1
125	90.7	88.7	86.1	80.8	77.2	71.7	73.9	83.0	85.0	89.7	82.9	108.2
160	89.8	87.6	85.6	78.0	78.3	71.7	73.8	80.0	84.6	86.8	76.6	107.2
200	86.2	85.9	84.2	78.9	76.5	71.1	77.2	80.0	81.4	85.0	77.5	105.9
250	85.9	84.1	81.8	75.9	74.5	70.6	73.1	77.6	80.8	83.5	76.9	103.9
320	87.3	85.8	84.5	76.6	76.5	71.4	72.8	79.3	82.1	83.7	79.7	103.8
400	87.2	85.2	83.6	79.0	71.4	66.9	74.0	78.7	81.8	83.9	77.3	102.0
500	86.0	83.8	82.2	74.3	73.4	69.8	71.9	78.8	81.3	83.6	77.1	100.4
630	85.8	82.8	81.3	76.7	71.3	70.9	80.0	80.6	82.5	83.3	78.4	99.6
800	85.1	82.9	80.3	75.6	71.7	72.4	74.8	78.8	81.4	83.3	77.8	98.3
1.0k	84.3	81.7	79.5	74.6	71.2	71.8	74.0	77.9	80.9	82.5	76.8	95.5
1.25k	84.4	81.1	79.3	74.8	71.8	71.2	73.5	77.8	80.2	82.3	78.8	93.9
1.6k	82.8	79.7	77.8	73.6	71.1	69.7	71.8	76.2	78.6	80.0	76.6	93.2
2.0k	79.7	77.4	76.3	72.9	70.7	69.3	70.0	74.2	76.6	77.3	75.5	91.1
2.5k	80.2	78.2	76.3	75.0	73.7	71.2	71.4	74.1	77.1	77.4	78.7	96.9
3.2k	81.5	79.4	76.2	75.5	73.6	72.3	73.1	75.0	77.9	78.3	79.6	96.6
4.0k	78.1	76.4	73.8	70.1	68.1	67.3	67.8	71.4	74.5	74.6	75.1	94.0
5.0k	79.0	77.5	74.8	70.4	68.3	66.9	67.3	73.7	75.6	74.4	77.6	96.8
6.3k	77.2	75.2	74.3	68.0	66.4	64.0	64.8	71.4	73.3	70.2	74.2	91.0
8.0k	78.0	74.1	74.6	67.6	64.9	62.7	64.2	71.6	72.4	65.9	73.7	91.8
10.0k	77.4	70.7	71.4	64.4	62.5	58.8	59.9	67.9	68.1	66.6	71.5	89.7
12.5k	75.5	65.9	65.7	59.8	56.5	52.2	53.9	62.9	62.5	69.8	67.9	87.8
16.0k	72.7	62.0	58.1	53.5	48.4	44.7	47.6	57.0	54.8	66.7	63.4	85.8
20.0k	64.6	54.8	50.8	50.2	38.4	36.7	39.7	53.8	51.2	58.1	57.0	83.5
PNLT	108.6	106.3	104.1	100.9	98.6	97.1	100.1	101.9	104.6	105.7	104.6	125.2
LA	94.4	92.0	90.1	85.7	83.1	81.6	84.3	87.9	90.4	91.8	89.0	108.8
SPL	101.7	99.1	96.5	92.6	87.7	87.5	90.8	94.7	97.9	100.9	95.4	124.7

RPM = 420., Collective = 0.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	67.6	63.0	56.4	56.6	46.9	72.0	57.0	59.9	64.7	71.7	50.1	105.0
6.3	71.0	67.3	65.9	62.7	59.6	72.4	61.6	61.6	67.0	72.8	59.3	112.5
8	71.9	67.6	64.6	61.0	58.3	73.5	61.4	63.2	66.9	72.9	59.0	113.6
10	72.5	68.0	65.1	62.7	58.6	72.9	63.9	64.7	68.8	73.6	58.6	112.9
12.5	76.9	73.6	69.7	65.6	60.5	74.1	76.3	76.2	79.5	80.6	74.1	115.6
16	76.8	73.6	69.5	64.3	58.6	72.8	76.1	75.9	79.3	80.0	73.8	116.9
20	73.8	70.7	68.2	65.9	61.5	68.0	65.4	66.9	70.1	74.4	65.8	118.0
25	94.1	91.1	88.4	76.7	71.4	77.8	84.9	85.6	90.0	92.9	90.0	119.5
32	93.4	90.4	87.7	76.0	70.8	76.8	84.2	84.9	89.3	92.0	89.1	119.2
40	87.3	82.9	79.9	72.1	74.6	71.9	78.3	72.1	77.9	82.8	74.3	117.6
50	86.3	81.0	77.1	74.7	70.0	69.7	74.4	79.0	84.9	89.8	81.4	115.7
63	86.4	81.4	77.4	75.0	69.3	69.0	74.5	79.9	85.1	89.7	81.3	115.
80	90.4	9[illegible].2	88.1	78.7	78.9	77.3	79.6	88.2	91.4	94.1	75.9	114.1
100	85.8	85.	82.9	75.8	73.6	70.0	73.0	81.6	84.2	87.2	78.9	112.8
125	89.3	88.1	85.2	79.7	76.8	71.7	74.6	83.3	85.1	88.7	81.9	112.2
16[illegible]	88.8	87.1	85.1	77.1	78.1	71.9	74.3	81.2	85.3	86.9	77.0	110.6
200	87.0	[illegible].5	83.2	78.3	76.3	72.8	78.3	80.3	82.4	85.3	78.1	109.5
250	86.4	84.4	82.0	76.5	74.7	71.1	73.5	78.6	81.5	83.8	76.9	107.6
320	87.4	86.1	84.5	76.5	76.3	71.8	72.8	80.1	82.9	84.2	79.7	106.9
400	86.7	84.8	83.3	78.9	71.1	67.2	74.8	79.3	82.3	84.1	77.7	105.4
500	85.8	83.5	81.9	74.1	73.7	70.3	72.3	79.0	81.6	83.4	77.4	104.1
630	85.9	82.7	81.4	75.9	71.6	70.0	79.8	80.9	82.8	83.4	78.4	102.5
800	85.2	83.2	80.9	75.8	72.3	72.4	75.1	79.0	81.9	83.2	78.3	101.5
1.0k	84.1	81.9	80.1	75.0	71.9	71.8	74.4	78.3	80.9	82.3	77.7	98.5
1.25k	84.7	81.5	80.1	75.2	72.5	71.6	74.6	78.2	80.4	82.1	79.9	96.5
1.6k	83.2	80.0	78.3	73.7	71.7	70.4	72.7	76.3	78.5	80.1	78.3	95.2
2.0k	80.7	78.7	77.8	73.6	72.3	70.3	72.9	74.7	77.5	77.9	77.5	93.4
2.5k	81.4	79.4	77.7	76.2	75.4	72.0	72.6	75.2	78.0	78.3	79.7	97.0
3.2k	82.9	80.9	77.5	77.1	75.2	73.6	74.4	76.2	79.3	79.2	80.4	98.0
4.0k	80.3	78.5	75.7	71.9	70.4	68.6	69.7	73.1	76.3	76.0	76.3	95.2
5.0k	81.6	79.9	77.1	72.6	70.6	68.7	69.6	76.2	78.1	76.5	79.6	99.6
6.3k	80.1	77.9	76.8	70.5	69.2	65.8	66.9	73.8	75.6	72.9	76.1	93.0
8.0k	80.3	76.8	77.0	70.2	67.5	64.4	66.3	74.0	74.5	68.3	75.8	94.0
10.0k	79.9	73.2	73.9	66.9	65.1	60.7	62.1	69.9	70.3	66.6	73.4	91.9
12.5k	78.0	68.4	68.0	62.1	58.9	54.2	56.3	65.1	65.0	72.0	69.7	89.8
16.0k	75.1	64.8	60.9	55.6	50.8	46.7	49.8	58.8	57.1	69.1	65.4	87.9
20.0k	66.7	58.3	54.3	51.0	40.0	37.5	41.2	54.4	53.1	60.2	58.8	85.6
PNLT	109.3	107.1	104.8	102.2	99.7	98.0	102.9	102.8	105.6	106.3	105.3	127.6
LA	95.0	92.7	90.8	86.4	84.3	82.3	85.0	88.6	91.1	92.0	90.1	111.5
SPL	101.5	99.2	97.0	90.2	88.1	87.5	91.3	95.0	98.4	101.1	95.7	127.9

RPM = 420., Collective = 0.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	73.3	66.6	61.8	59.1	49.9	73.8	58.8	56.9	68.3	78.2	49.8	108.3
6.3	74.5	68.7	63.9	62.2	58.5	71.6	59.8	60.5	67.8	79.5	57.3	113.9
8	75.1	69.0	66.4	62.6	57.9	71.6	61.1	61.0	70.1	79.8	59.2	115.8
10	76.6	71.4	66.6	64.1	58.5	72.0	64.7	64.3	71.9	80.6	59.5	117.5
12.5	80.0	74.3	71.5	68.5	60.9	73.0	75.2	75.3	78.5	81.9	74.0	120.2
16	79.7	75.8	71.8	68.3	61.1	72.3	75.1	75.2	78.3	81.9	74.1	121.8
20	78.3	75.1	70.5	66.4	62.3	67.3	65.0	66.5	72.8	79.4	65.8	122.9
25	97.5	93.1	91.8	83.4	75.3	79.7	85.8	88.2	93.3	96.7	90.3	122.0
32	96.9	92.6	91.3	82.9	74.8	79.1	85.3	87.7	92.8	96.0	89.6	122.0
40	88.4	83.2	81.0	73.6	76.8	75.5	71.0	73.2	78.3	83.4	73.8	121.7
50	88.5	81.8	78.3	76.2	75.2	70.1	72.2	76.7	83.7	91.2	83.3	120.2
63	88.7	82.3	78.5	76.3	74.9	69.2	73.2	79.6	84.5	91.2	83.4	119.2
80	89.5	89.1	88.2	78.7	79.0	77.5	79.6	88.2	90.8	93.6	75.1	118.3
100	86.8	85.4	83.5	76.3	74.5	70.5	73.3	81.9	84.3	87.5	78.0	117.4
125	90.3	88.1	85.3	80.2	77.3	72.5	75.8	84.2	85.8	89.1	81.3	116.3
160	89.5	87.0	84.8	78.6	78.5	73.6	76.2	83.1	85.9	88.1	78.9	114.8
200	89.7	86.7	84.4	80.1	76.6	74.7	79.8	82.4	85.4	88.0	79.4	113.8
250	90.7	87.1	85.2	80.1	77.2	74.1	76.8	81.8	85.0	87.7	79.3	111.6
320	92.2	88.9	87.3	79.1	78.9	74.1	75.8	83.7	86.9	88.5	82.3	110.9
400	91.6	88.4	87.1	83.0	75.0	70.7	78.7	83.2	86.2	88.2	80.9	109.4
500	89.9	87.3	86.2	78.3	77.7	73.4	75.6	82.6	85.2	87.0	80.0	107.6
630	88.1	86.3	84.9	79.1	74.3	72.5	80.6	82.6	84.9	86.0	80.6	106.2
800	87.1	86.5	84.5	79.0	75.0	74.8	77.4	81.6	83.8	85.5	80.1	105.3
1.0k	85.3	84.7	83.3	78.0	74.2	74.1	76.7	80.2	82.8	84.2	79.8	102.2
1.25k	85.9	84.0	82.6	78.0	74.7	73.8	76.4	79.9	82.0	83.7	81.0	100.1
1.6k	84.2	82.3	80.8	76.1	73.5	72.5	74.3	77.9	80.3	81.5	79.9	97.8
2.0k	81.2	80.5	79.6	75.2	73.1	71.6	72.1	76.0	78.5	79.0	79.2	95.7
2.5k	81.9	81.2	79.5	77.3	75.8	73.0	73.5	76.1	78.8	79.3	80.9	97.7
3.2k	83.6	82.4	79.5	78.0	76.1	74.3	75.1	77.1	80.1	80.2	81.5	98.9
4.0k	81.2	80.3	77.7	73.4	71.3	69.6	70.4	74.1	77.3	77.1	77.6	95.3
5.0k	82.9	81.9	79.3	74.3	71.7	69.8	70.7	77.0	78.9	77.6	80.7	100.4
6.3k	82.2	80.6	79.3	72.6	70.7	67.4	68.2	75.3	77.6	74.9	77.9	95.0
8.0k	82.4	79.2	79.5	72.0	68.8	65.8	67.7	75.6	76.2	70.3	77.4	95.6
10.0k	81.9	76.1	76.8	68.9	66.4	62.3	63.5	71.7	72.4	70.6	75.2	93.6
12.5k	80.0	71.7	71.1	64.1	60.1	55.8	57.7	66.9	67.0	73.9	71.5	91.8
16.0k	76.7	68.9	65.5	57.8	52.0	48.1	51.1	60.3	59.1	71.0	67.0	90.2
20.0k	68.3	65.7	61.3	52.8	41.2	38.4	42.2	55.2	55.1	62.4	60.5	88.0
PNLT	110.9	109.0	107.0	103.6	101.5	99.2	101.5	104.3	107.0	107.9	106.0	130.3
LA	97.1	95.2	93.6	88.7	85.9	84.0	86.6	90.5	93.0	94.2	91.7	114.8
SPL	104.2	100.9	99.3	92.9	89.9	88.9	92.4	96.6	100.2	103.3	96.6	131.8

RPM = 420., Collective = 0.0 deg, Blade Pressure Ratio = 1.5

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	77.4	72.3	62.7	61.3	49.2	71.6	63.2	62.4	72.9	79.7	47.7	110.1
6.3	77.0	72.0	65.5	63.1	54.6	71.7	66.6	64.5	73.1	80.9	57.0	116.1
8	77.3	73.2	65.3	63.7	56.4	72.6	65.6	64.9	74.9	78.7	58.9	117.2
10	79.7	74.2	68.3	64.6	59.4	72.6	67.8	66.5	76.3	81.3	60.5	120.2
12.5	81.6	77.3	74.6	69.9	62.8	75.0	79.5	78.0	82.0	83.7	76.0	121.7
16	82.2	77.9	74.3	69.7	62.3	74.5	78.6	77.6	81.8	83.9	75.7	122.5
20	80.6	77.0	71.8	68.1	62.8	69.1	70.1	70.8	76.1	82.0	68.3	124.3
25	98.8	96.1	94.3	87.2	77.7	79.7	87.2	88.3	93.1	96.2	90.8	124.2
32	97.9	95.1	93.4	86.2	76.7	78.5	85.8	87.3	92.1	95.1	89.7	123.9
40	88.3	83.7	81.3	72.9	76.8	75.5	73.0	72.2	78.8	83.9	74.6	123.1
50	91.4	87.5	83.7	78.2	81.0	74.2	69.9	74.4	83.8	91.8	84.0	121.9
63	91.0	87.2	83.3	77.9	80.6	73.7	71.6	78.6	84.3	91.4	83.9	121.2
80	88.3	89.6	87.3	78.3	78.2	76.9	80.3	87.5	89.3	92.6	73.9	120.0
100	84.3	83.8	81.5	73.8	72.8	69.8	73.3	81.2	83.3	85.7	77.3	119.4
125	87.0	84.8	81.5	76.4	74.4	71.5	75.0	83.2	84.3	87.0	80.1	118.0
160	86.1	83.4	82.6	75.5	76.3	71.6	74.4	81.1	83.4	85.7	77.7	116.5
200	85.6	84.1	81.5	77.0	74.5	73.1	78.6	80.3	82.7	84.6	78.0	115.8
250	85.8	84.2	81.6	76.4	73.9	72.7	75.2	79.7	82.2	83.7	77.9	113.5
320	87.3	85.7	83.7	76.3	76.2	73.0	75.4	81.6	83.8	84.9	80.7	112.7
400	87.1	85.1	83.1	79.8	71.8	69.5	77.8	81.5	83.6	84.8	78.9	111.3
500	86.3	84.7	82.7	75.9	75.4	74.0	75.2	81.3	83.3	84.7	79.5	109.4
630	86.2	84.2	83.0	77.9	73.8	73.5	81.4	82.8	83.8	85.3	81.1	107.8
800	86.0	84.9	82.9	78.4	75.9	76.7	79.4	82.3	84.0	85.4	81.5	107.0
1.0k	84.9	83.5	82.0	77.8	75.6	76.5	80.1	81.9	83.1	84.4	82.2	104.2
1.25k	85.9	83.0	81.4	77.3	75.3	75.7	78.2	81.3	82.7	84.0	82.8	102.0
1.6k	84.7	82.2	80.4	76.4	74.5	74.6	76.9	79.4	81.2	81.7	81.8	99.7
2.0k	81.8	80.2	79.0	75.4	73.8	73.1	74.0	77.3	79.2	79.3	80.8	97.7
2.5k	82.6	81.0	78.9	77.7	76.3	73.6	74.9	77.1	79.0	79.3	81.6	99.0
3.2k	84.4	82.3	78.9	78.8	77.0	75.1	76.6	78.2	80.6	80.2	82.2	99.6
4.0k	81.8	80.2	77.3	74.8	72.8	72.3	72.1	74.9	77.6	77.1	78.2	95.9
5.0k	83.3	81.7	78.9	74.6	72.3	69.9	71.2	77.3	78.9	77.5	80.3	99.6
6.3k	82.5	80.3	79.2	73.2	71.2	68.2	69.6	76.3	77.8	74.7	78.4	95.4
8.0k	83.5	79.5	79.6	72.8	69.6	66.6	69.2	76.8	77.1	71.1	78.2	96.4
10.0k	83.1	76.3	76.7	69.8	67.4	63.3	65.5	73.3	73.1	71.1	75.9	94.7
12.5k	81.2	71.1	70.9	64.7	61.2	57.8	60.8	68.5	67.9	74.6	72.4	93.4
16.0k	78.1	67.8	63.9	58.0	53.1	49.4	53.6	61.9	60.3	72.3	67.9	92.8
20.0k	69.4	61.7	56.7	52.0	42.2	39.2	44.5	56.1	56.5	63.9	61.7	90.0
PNLT	110.5	108.4	105.9	103.3	101.4	100.0	102.6	104.6	106.7	107.2	106.5	131.7
LA	96.1	94.0	92.2	88.3	86.2	85.3	88.2	91.1	92.7	93.5	92.6	116.4
SPL	104.1	101.5	99.5	93.3	90.2	89.3	93.4	96.3	99.5	102.4	96.9	133.5

RPM = 420,, Collective = 0.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	81.4	76.3	67.3	62.7	49.2	72.9	66.1	61.0	70.7	79.2	50.9	107.4
6.3	83.3	78.3	68.9	65.7	56.9	75.2	68.3	67.5	72.5	79.9	59.8	115.9
8	83.7	79.1	69.7	66.6	58.2	73.2	68.3	66.9	73.0	80.9	62.4	117.1
10	84.2	80.2	71.0	68.4	60.8	73.9	69.8	67.5	73.5	81.3	62.6	115.7
12.5	85.6	78.5	76.1	71.8	64.3	76.8	80.0	79.4	82.4	84.4	78.2	118.8
16	85.4	80.3	76.1	71.5	63.9	76.3	80.2	79.2	82.5	84.3	78.1	119.8
20	84.3	81.4	74.1	70.5	64.8	70.4	71.5	70.8	74.9	81.4	70.3	122.7
25	100.5	97.2	95.8	88.9	79.1	81.9	86.6	88.4	93.8	97.1	90.6	121.1
32	99.9	96.5	95.1	88.3	78.4	81.2	85.8	87.8	93.1	96.3	89.8	122.4
40	89.7	84.0	82.1	74.1	77.8	76.0	73.6	71.9	77.7	84.3	75.1	121.7
50	94.2	90.0	86.8	80.2	83.7	77.4	70.3	75.5	83.0	91.9	84.6	120.7
63	94.0	90.0	86.7	80.4	83.5	77.2	71.7	79.4	84.0	91.7	84.7	119.9
80	86.9	89.2	86.3	77.4	77.9	77.6	80.8	88.1	89.7	90.3	76.3	118.8
100	84.3	84.1	81.6	73.7	73.1	70.4	73.4	81.3	83.1	85.1	77.6	118.1
125	85.9	84.2	81.1	76.3	74.2	72.1	75.4	83.5	84.4	86.5	81.0	116.9
160	84.9	84.0	82.0	75.1	75.5	72.2	74.6	81.6	83.3	86.0	79.1	115.6
200	85.3	85.0	81.2	76.7	74.3	74.0	78.3	80.5	83.1	85.1	78.8	114.8
250	85.3	84.7	81.7	76.2	73.7	73.6	75.9	80.6	83.1	84.6	78.7	112.5
320	86.8	86.0	83.9	76.4	76.2	74.5	75.9	82.8	84.8	85.3	81.9	111.7
400	86.6	85.7	83.7	80.5	72.4	70.8	78.7	82.6	84.6	85.1	80.6	109.9
500	86.4	85.5	83.7	76.8	76.5	75.8	76.1	82.8	84.2	85.1	81.4	108.4
630	86.2	85.1	84.1	79.0	74.9	75.5	82.0	83.6	84.5	85.0	82.8	107.2
800	86.8	86.1	84.3	80.1	77.0	78.5	82.4	83.5	85.1	85.5	83.6	106.7
1.0k	86.4	86.1	84.8	80.8	77.8	78.7	81.4	83.8	85.0	84.7	85.5	103.8
1.25k	86.1	84.3	83.0	79.3	77.0	77.8	80.3	82.7	84.0	84.4	85.8	101.9
1.6k	85.5	83.3	82.1	78.3	75.9	75.8	77.6	80.9	82.3	82.4	83.6	99.9
2.0k	82.7	81.7	80.3	77.1	74.8	74.6	74.8	78.6	80.7	80.2	82.5	98.4
2.5k	83.7	82.5	80.3	79.3	77.4	75.0	75.5	78.2	80.4	80.1	83.1	99.5
3.2k	84.8	83.1	79.7	79.6	77.2	75.9	77.1	78.7	81.3	80.9	82.8	99.9
4.0k	82.4	81.3	78.3	75.0	72.4	71.4	72.7	75.8	78.4	77.6	79.8	96.5
5.0k	84.0	82.7	79.8	75.6	72.6	70.7	71.8	77.8	79.6	77.9	80.3	99.8
6.3k	83.3	81.6	80.2	74.5	71.8	69.3	70.3	77.1	78.7	75.2	79.3	96.8
8.0k	84.8	81.8	80.7	74.2	70.1	67.9	70.0	77.9	78.2	72.2	79.3	97.2
10.0k	84.4	77.9	77.8	71.3	68.1	64.6	66.3	74.5	74.5	72.8	77.2	96.1
12.5k	82.8	73.1	72.3	66.3	61.8	58.5	61.9	69.7	69.6	76.0	73.8	94.8
16.0k	79.8	69.4	65.8	59.7	54.0	51.0	54.8	63.5	62.2	73.8	69.4	94.8
20.0k	71.3	65.3	58.8	53.1	42.9	40.4	45.5	57.0	58.4	65.9	63.1	92.2
PNLT	111.0	109.4	106.9	104.4	102.0	100.1	103.1	105.5	107.6	107.6	107.6	130.4
LA	96.8	95.3	93.5	89.8	87.2	86.9	89.1	92.3	93.9	93.9	94.4	115.8
SPL	105.7	102.7	100.9	94.8	91.5	91.1	93.7	97.0	100.2	102.9	97.9	131.5

RPM = 420,, Collective = 0.0 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	83.9	80.5	71.6	68.6	62.3	73.2	67.4	60.2	65.3	75.3	52.4	105.8
6.3	84.6	81.0	73.0	71.1	65.1	72.8	67.2	65.5	69.7	77.5	63.2	113.9
8	85.7	81.6	73.7	73.0	65.6	74.4	67.8	66.4	69.5	78.2	63.4	114.2
10	86.3	82.2	75.8	73.8	66.1	73.5	68.7	66.1	70.1	78.4	63.1	113.1
12.5	86.7	84.2	77.3	75.6	67.5	77.9	81.6	80.9	84.1	85.0	80.1	117.2
16	86.1	84.0	77.6	75.4	67.5	77.8	81.8	81.1	84.2	84.4	80.3	119.0
20	87.0	84.9	78.4	75.2	67.3	70.0	69.4	70.4	74.8	79.3	69.1	120.2
25	102.2	99.8	96.5	91.2	79.7	83.9	84.9	89.7	95.7	99.3	88.6	121.6
32	101.8	99.5	96.1	90.7	79.3	83.5	84.5	89.3	95.2	98.8	88.1	122.0
40	90.2	86.4	81.4	74.2	76.9	75.1	74.3	74.6	79.6	85.1	77.5	121.5
50	95.7	92.6	87.9	82.7	85.2	78.5	73.2	77.2	81.2	93.1	86.3	120.1
63	96.0	92.8	88.0	82.9	85.4	78.6	74.6	80.7	83.2	93.2	86.6	120.1
80	88.1	89.6	85.9	77.1	77.8	79.3	81.6	88.6	90.7	91.9	78.9	119.2
100	86.5	86.0	82.3	74.9	74.1	72.3	74.6	82.2	84.7	86.6	78.9	118.0
125	87.9	87.3	81.9	77.7	75.7	72.7	76.1	84.1	86.2	88.8	82.2	117.1
160	87.2	86.0	83.6	76.7	77.9	73.1	76.1	82.5	85.5	88.3	80.7	116.0
200	88.2	86.9	83.9	78.8	76.3	75.7	80.4	82.7	85.3	87.5	80.5	115.0
250	88.9	87.3	84.4	78.3	75.7	75.5	78.2	82.5	85.4	87.8	80.8	113.1
320	90.6	89.2	86.8	78.5	78.6	76.2	77.3	85.0	87.5	88.8	84.2	112.4
400	90.4	89.3	87.0	83.1	75.5	72.8	80.8	84.9	87.2	88.6	83.6	110.8
500	89.4	88.6	87.0	79.8	79.7	78.1	78.8	85.1	87.0	88.0	83.7	109.5
630	88.6	87.4	86.9	81.4	77.1	77.7	83.6	85.7	87.0	87.4	84.8	108.2
800	89.2	88.0	87.3	82.2	79.4	80.6	82.5	85.7	87.6	87.7	86.0	107.7
1.0k	89.3	88.8	87.9	83.2	80.6	81.0	83.5	86.0	87.5	87.3	87.7	105.2
1.25k	87.8	86.5	86.4	82.5	80.5	81.1	83.1	85.2	86.6	86.5	89.3	103.2
1.6k	86.3	84.6	84.4	79.9	77.3	77.4	79.0	82.3	83.9	83.7	84.8	101.2
2.0k	83.6	82.6	82.2	78.6	76.0	75.9	76.4	80.3	82.1	81.7	83.7	99.5
2.5k	84.4	82.9	81.8	80.0	78.2	75.5	76.8	79.5	81.6	81.4	83.8	100.3
3.2k	86.2	84.2	82.0	81.0	78.7	77.1	78.8	80.4	83.0	82.5	84.0	100.8
4.0k	83.9	82.5	80.4	76.8	74.4	72.7	74.3	77.5	82.0	79.1	80.6	97.6
5.0k	85.4	83.9	81.3	77.0	74.2	71.7	73.0	79.1	81.0	79.1	81.0	99.1
6.3k	84.9	82.8	81.8	75.7	73.4	70.4	71.6	78.6	80.2	76.3	80.3	97.1
8.0k	86.4	82.5	82.3	75.5	72.0	69.1	71.3	79.2	79.8	73.6	80.4	98.2
10.0k	85.9	79.3	79.6	72.8	69.6	65.6	67.6	76.0	76.1	74.6	78.1	97.5
12.5k	84.7	74.3	74.9	68.5	63.4	59.8	62.5	71.4	71.3	77.6	75.0	96.6
16.0k	81.8	70.0	69.9	63.7	56.6	52.8	56.8	65.5	64.3	75.6	70.7	96.1
20.0k	73.5	64.0	66.6	60.2	48.9	42.2	48.7	58.5	60.8	67.8	64.9	94.5
PNLT	112.7	111.0	109.1	106.1	104.3	102.6	104.6	107.2	109.3	109.5	110.2	131.0
LA	98.7	97.2	96.1	91.8	89.3	88.8	91.0	94.3	96.0	96.9	96.3	116.6
SPL	107.5	105.3	102.2	97.0	93.2	92.7	94.5	98.6	102.0	105.0	98.8	131.2

RPM = 420., Collective = 1.5 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	58.5	53.1	51.2	55.3	52.9	56.3	50.4	50.9	55.3	60.2	60.5	81.8
6.3	60.5	56.7	54.4	58.2	54.2	59.0	50.1	52.9	58.0	62.4	60.2	83.1
8	63.3	57.9	54.8	57.5	55.5	57.5	50.3	54.4	59.6	64.1	61.5	83.3
10	68.5	63.8	61.0	63.1	59.2	67.1	64.8	60.5	64.6	66.7	61.8	84.1
12.5	71.7	64.8	64.0	65.5	61.1	62.0	65.9	64.4	66.7	70.3	62.6	83.3
16	66.6	63.3	61.1	61.6	57.4	58.8	60.8	58.8	64.3	67.9	62.6	81.7
20	71.3	67.1	66.3	66.1	61.4	56.6	62.5	62.0	65.8	68.7	64.8	82.2
25	97.6	92.3	88.5	87.6	69.2	68.3	86.6	87.1	90.7	93.8	92.3	105.3
32	96.7	91.4	87.7	86.8	68.7	67.9	85.6	86.1	89.7	92.9	91.1	104.4
40	81.0	75.9	73.2	72.4	64.0	66.7	69.9	68.9	70.7	71.5	73.0	87.2
50	96.1	89.8	84.4	82.8	75.8	81.3	81.3	82.0	83.7	84.7	87.3	105.5
63	95.9	89.7	84.3	82.6	75.8	81.1	81.2	81.9	83.6	84.7	87.1	105.3
80	94.7	90.5	89.8	77.1	79.8	82.6	76.5	90.5	93.7	96.6	77.4	105.2
100	90.4	87.1	85.5	78.6	75.8	73.5	73.5	84.2	86.0	89.5	81.3	96.2
125	93.7	90.1	87.8	82.3	78.8	73.1	75.6	85.5	86.9	91.3	84.3	95.4
160	92.0	87.4	85.4	77.8	78.3	71.9	75.5	80.2	85.1	87.9	77.5	92.8
200	86.0	83.3	81.8	77.3	74.1	71.3	77.4	78.9	81.5	82.9	79.2	92.8
250	83.5	81.0	78.9	74.5	72.5	69.1	71.6	75.2	77.3	80.7	75.9	92.5
320	85.4	81.2	80.8	76.7	75.1	69.7	73.6	76.4	78.2	80.3	78.3	95.3
400	86.5	80.8	78.8	75.3	67.2	65.3	72.7	75.5	77.7	80.3	75.9	92.8
500	83.4	79.0	77.1	71.3	69.1	67.4	69.1	75.1	77.6	79.9	75.3	91.6
630	83.8	78.9	77.1	73.6	68.5	68.1	73.0	75.8	77.9	81.7	79.0	93.5
800	82.9	79.7	76.7	72.5	69.2	70.7	72.5	76.1	78.0	80.0	75.6	93.2
1.0k	82.1	78.8	76.7	71.5	68.5	69.9	72.4	75.5	77.7	79.2	75.2	90.7
1.25k	83.6	80.2	78.3	73.8	70.8	71.1	74.1	77.0	79.1	80.3	77.9	91.3
1.6k	82.4	79.2	77.2	73.4	70.6	70.3	73.5	75.7	77.4	79.3	78.3	94.7
2.0k	82.9	78.1	76.2	73.8	70.9	71.4	72.3	75.6	77.8	80.3	79.8	92.4
2.5k	83.7	82.4	80.8	79.2	75.7	75.2	78.2	79.8	82.0	82.2	80.2	98.4
3.2k	77.4	75.2	75.4	79.1	77.5	78.7	79.6	75.3	75.5	76.2	88.9	96.0
4.0k	73.2	70.5	69.3	65.9	63.4	64.8	66.5	68.6	71.3	72.9	73.7	93.3
5.0k	72.3	70.7	68.5	66.8	63.2	65.1	66.9	68.5	70.9	72.4	74.4	93.8
6.3k	65.4	66.9	65.5	63.2	60.5	62.3	63.6	65.8	67.0	67.7	73.0	89.2
8.0k	61.9	63.8	62.9	61.8	57.6	59.5	62.1	63.0	63.4	65.4	72.6	89.4
10.0k	60.9	58.3	57.5	58.6	53.7	55.8	57.2	56.5	57.3	62.0	71.1	87.0
12.5k	63.6	55.7	51.9	54.6	49.5	49.3	53.0	53.5	57.8	58.6	68.2	84.4
16.0k	61.6	57.1	48.7	52.8	41.5	43.4	47.5	53.5	57.5	61.2	63.9	82.2
20.0k	56.2	52.5	45.9	53.5	35.9	35.9	43.3	54.0	52.7	56.0	57.5	78.6
PNLT	109.4	107.3	105.3	103.4	101.4	102.1	103.4	103.7	106.2	107.2	111.8	122.4
LA	93.5	90.1	88.4	86.1	83.4	83.6	85.7	87.1	89.1	90.8	92.9	105.6
SPL	104.7	99.8	97.1	93.6	87.9	88.7	92.2	95.7	98.6	101.4	97.9	113.3

RPM = 420., Collective = 1.5 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	75.8	63.6	58.2	59.3	53.0	53.6	55.7	55.8	56.5	56.7	56.7	88.8
6.3	77.5	67.3	66.3	64.5	60.8	61.5	64.2	64.1	64.4	66.0	62.0	95.7
8	78.4	67.3	65.9	63.7	59.5	61.7	62.6	62.5	63.0	65.2	60.4	96.6
10	78.6	67.6	65.6	64.8	58.9	58.8	63.9	61.6	64.8	65.9	57.8	95.7
12.5	79.5	69.7	65.5	65.7	60.6	63.6	70.4	71.3	74.1	75.5	68.6	97.4
16	79.1	69.4	64.7	62.9	59.4	62.6	69.7	70.6	73.9	75.0	68.2	97.0
20	78.6	70.4	67.5	67.6	65.4	61.5	69.4	71.4	74.4	74.8	64.6	96.5
25	95.0	89.1	84.7	82.9	67.2	75.6	84.4	83.1	86.7	90.5	90.5	106.0
32	94.3	88.4	84.0	80.2	66.8	75.0	83.7	82.5	86.1	89.8	89.8	105.0
40	83.1	77.3	74.8	72.6	67.8	68.5	70.6	70.9	74.6	78.0	73.7	95.3
50	90.9	84.8	80.4	77.4	71.0	76.8	77.5	80.3	82.8	84.8	82.4	100.1
63	90.9	84.7	80.3	77.2	70.6	76.6	77.3	80.6	82.9	84.8	82.4	99.9
80	93.1	88.2	87.9	77.9	76.8	74.9	76.7	86.3	90.9	94.3	78.2	101.5
100	88.2	84.2	82.6	75.7	72.7	73.0	72.3	80.9	83.3	86.7	79.8	95.2
125	91.3	87.1	85.1	80.1	76.2	72.6	78.4	83.0	84.3	88.6	82.6	96.5
160	90.4	86.9	86.0	78.6	78.3	73.1	76.1	80.5	84.6	87.6	78.4	96.9
200	87.5	84.9	83.8	79.9	74.6	74.5	80.2	81.3	83.6	86.1	81.2	97.3
250	87.6	84.2	82.8	78.5	75.0	74.3	75.4	80.4	83.3	84.9	79.9	96.6
320	88.5	85.8	85.1	78.6	77.5	74.8	76.7	82.5	84.6	86.2	82.5	99.1
400	87.9	85.2	84.3	81.1	72.9	71.4	78.7	82.2	84.3	86.1	80.3	97.3
500	86.2	83.6	83.2	76.0	74.7	73.1	74.4	81.3	83.9	85.6	79.3	97.3
630	85.4	82.3	81.7	77.0	71.7	72.1	76.6	80.9	83.0	85.4	81.6	97.4
800	83.3	81.6	80.2	75.4	71.2	73.6	75.9	79.9	82.2	83.8	79.2	96.3
1.0k	81.2	79.7	78.5	74.0	69.9	72.9	75.7	79.3	81.9	82.3	78.2	94.9
1.25k	82.5	79.8	78.7	74.5	70.9	73.9	76.7	79.8	82.3	82.8	79.1	92.9
1.6k	80.8	78.4	77.1	73.6	70.4	72.7	75.1	78.2	80.2	81.4	79.2	90.3
2.0k	81.2	77.7	76.5	73.1	70.4	71.9	73.1	76.8	79.3	82.3	78.0	91.7
2.5k	79.1	78.6	79.1	78.7	75.3	75.0	76.8	78.1	79.9	78.9	83.6	98.2
3.2k	78.4	76.5	75.5	75.2	73.8	73.4	74.3	75.3	77.3	77.9	81.4	96.7
4.0k	76.4	74.8	73.7	69.9	67.3	67.4	69.1	71.7	74.8	75.9	75.5	94.3
5.0k	75.5	75.0	73.2	71.3	67.3	68.3	69.6	71.5	74.2	75.3	77.6	96.6
6.3k	71.0	73.7	71.8	68.5	65.8	64.8	66.4	68.9	71.3	71.7	74.7	91.2
8.0k	68.3	70.7	70.1	68.1	63.9	62.9	65.2	66.8	67.6	69.3	74.6	92.6
10.0k	68.0	66.7	65.7	65.3	60.9	58.6	62.2	60.5	62.0	65.3	71.3	89.9
12.5k	70.8	63.9	61.6	60.8	56.0	51.8	54.7	56.8	61.1	62.6	68.0	87.6
16.0k	68.3	63.8	54.8	55.6	47.2	44.9	48.7	54.7	61.0	65.4	64.3	85.6
20.0k	61.5	59.4	50.2	53.5	38.1	36.7	43.6	54.3	55.2	59.1	58.5	82.3
PNLT	107.0	104.9	105.3	103.0	99.1	97.9	101.1	103.0	105.2	106.2	107.3	123.3
LA	93.4	91.0	90.1	86.6	83.3	83.8	86.1	89.4	91.7	93.0	91.2	107.2
SPL	102.7	98.1	96.3	91.4	87.3	87.5	91.5	94.6	97.6	100.3	96.6	113.4

RPM = 420., Collective = 1.5 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	82.4	70.4	59.9	66.9	49.6	54.4	71.3	64.9	74.2	81.6	60.6	101.8
6.3	83.2	71.6	65.4	67.8	60.7	63.7	72.2	68.0	77.3	80.5	64.1	107.8
8	83.8	73.6	65.8	66.6	60.3	62.8	72.8	68.8	77.9	83.2	64.2	108.2
10	84.6	73.3	66.0	68.9	59.5	60.1	71.8	72.0	79.3	82.2	64.6	109.3
12.5	84.7	76.7	70.7	69.6	63.2	72.6	80.3	79.8	84.0	86.0	77.6	110.0
16	84.5	76.1	69.6	68.6	61.1	71.9	79.2	79.4	83.7	85.9	77.2	112.0
20	84.6	76.4	71.4	69.9	63.6	61.3	73.3	72.3	81.7	84.6	68.2	112.8
25	99.9	95.6	93.9	86.4	76.4	78.6	86.6	88.6	93.7	96.4	91.4	113.0
32	98.6	94.4	92.7	85.3	75.3	77.3	85.3	87.4	92.6	95.3	90.2	112.6
40	91.2	85.2	82.8	74.0	76.8	74.2	74.2	74.7	82.8	87.7	76.8	110.3
50	90.5	83.3	80.0	75.3	78.6	71.4	73.7	80.2	87.6	92.8	84.2	109.5
63	89.6	82.8	79.2	75.3	77.8	69.2	73.1	80.5	87.8	92.1	83.7	107.9
80	92.1	88.8	87.4	77.8	78.2	77.8	76.8	87.3	89.6	92.4	76.9	106.1
100	87.7	84.6	82.4	75.6	72.9	69.9	72.1	80.5	83.1	86.1	78.1	104.8
125	90.3	87.6	84.2	79.3	75.9	72.1	75.5	82.3	84.7	87.4	80.5	103.8
160	89.7	86.2	83.7	77.5	77.4	76.0	75.9	83.1	86.7	87.7	77.4	102.8
200	88.2	84.1	82.7	78.7	74.4	77.4	81.8	83.6	85.8	86.7	80.3	101.6
250	87.7	84.1	82.0	78.2	75.2	76.7	77.6	82.8	84.8	86.2	78.5	100.1
320	88.9	85.1	83.6	77.6	77.8	76.4	78.0	84.6	86.2	86.8	80.7	100.4
400	88.9	84.3	82.3	80.7	72.1	72.2	80.1	83.6	85.5	86.8	79.6	98.6
500	87.4	82.8	81.6	76.4	74.7	74.2	78.8	82.2	84.3	85.3	78.5	97.7
630	87.6	83.1	81.7	77.3	72.9	72.3	74.8	80.8	83.1	85.5	80.1	97.7
800	86.8	83.0	81.3	76.7	73.4	74.9	77.1	80.3	82.2	84.0	78.8	97.1
1.0k	85.6	81.7	79.9	75.6	72.8	73.9	76.0	79.0	80.6	82.5	78.9	95.3
1.25k	85.6	81.3	79.7	75.4	72.8	74.0	76.2	79.1	80.3	82.2	79.9	94.8
1.6k	83.5	79.7	78.6	74.6	72.4	71.9	74.5	77.1	78.3	79.5	79.8	95.5
2.0k	83.4	78.8	78.4	74.4	72.3	72.0	72.9	76.9	78.5	79.7	79.4	94.6
2.5k	82.1	80.8	80.3	79.6	76.7	76.1	78.1	79.3	79.6	78.1	85.7	98.6
3.2k	82.4	78.9	78.0	77.6	75.9	74.8	75.2	76.5	77.0	79.0	82.8	98.1
4.0k	80.3	77.1	76.4	72.6	70.5	68.9	70.3	73.4	75.5	3.1	77.0	95.3
5.0k	79.5	77.7	76.1	74.0	70.9	69.6	71.6	73.7	76.2	78.2	79.2	98.8
6.3k	75.7	76.5	75.0	72.0	69.5	67.1	68.6	71.5	74.0	74.9	76.9	94.4
8.0k	73.0	73.7	73.5	71.6	67.5	65.3	67.7	69.8	70.8	72.4	77.1	95.4
10.0k	72.9	69.7	69.3	68.6	64.4	61.4	63.5	64.3	65.9	69.2	74.6	93.8
12.5k	75.6	66.5	64.8	64.3	59.5	54.9	58.0	59.8	64.4	66.3	71.2	92.1
16.0k	73.4	66.9	58.6	58.2	51.1	47.8	51.8	56.7	63.9	69.4	67.6	90.4
20.0k	66.9	62.8	54.2	54.8	41.3	38.5	45.5	55.4	58.4	63.4	61.3	88.1
PNLT	109.5	106.3	105.1	103.6	100.5	98.9	102.4	104.1	105.6	107.0	108.8	124.8
LA	95.8	92.1	90.9	87.8	85.0	84.7	86.8	90.0	91.6	93.1	92.3	108.7
SPL	105.1	100.8	98.9	93.0	89.3	88.8	93.1	96.6	100.4	103.1	97.2	121.9

RPM = 420,, Collective = 1,5 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86,0	74,5	66,0	65,0	52,2	56,6	63,8	64,1	72,5	80,0	55,7	102,0
6,3	87,0	75,8	66,9	66,6	60,5	62,9	65,2	66,8	73,8	81,0	59,6	110,2
8	88,0	75,8	70,1	69,2	60,5	61,9	66,0	65,4	74,6	81,2	62,1	110,6
10	87,3	76,3	71,4	70,9	61,5	63,0	68,7	67,8	76,5	81,5	62,6	110,0
12,5	87,3	78,4	75,2	73,2	66,3	74,9	80,4	80,5	83,4	85,6	79,0	112,8
16	88,1	79,3	75,1	72,1	65,0	74,3	79,8	79,8	83,2	85,3	78,5	113,5
20	88,6	78,7	74,8	70,8	64,0	63,0	68,5	70,2	77,3	84,2	70,3	114,7
25	103,0	98,5	96,7	89,9	79,1	82,0	87,0	90,5	95,9	99,3	90,8	117,0
32	101,8	97,3	95,5	88,7	77,9	80,8	85,9	89,3	94,7	98,0	89,6	115,8
40	92,4	85,8	83,4	74,9	78,1	75,2	74,7	73,4	80,3	87,2	78,5	112,4
50	96,6	91,1	87,1	82,3	82,9	75,8	74,5	77,9	84,5	92,7	86,3	110,8
63	96,1	90,7	86,8	82,2	82,3	74,3	74,7	81,2	85,7	92,4	85,9	109,2
80	90,9	88,3	86,9	77,8	78,6	77,2	79,6	87,2	89,2	92,3	78,3	106,6
100	89,4	86,0	83,7	76,5	73,9	72,2	74,9	82,0	85,1	87,9	79,9	104,2
125	91,7	88,5	85,3	80,0	76,5	75,2	78,5	84,9	87,5	90,1	82,8	103,7
160	92,0	88,6	86,9	80,1	80,1	78,3	80,5	85,9	88,9	90,4	81,8	102,8
200	92,6	89,2	87,5	83,4	78,4	80,1	85,0	86,5	88,5	90,5	83,0	101,5
250	92,9	89,5	87,8	83,7	80,1	79,8	80,8	86,4	88,6	90,5	82,0	99,8
320	93,5	91,1	89,6	82,1	81,9	78,5	80,8	87,1	89,5	90,6	84,7	100,5
400	92,7	90,8	89,1	86,1	78,3	74,0	83,1	86,3	88,6	90,2	84,0	98,9
500	90,9	88,6	87,8	81,2	79,9	77,1	77,6	84,9	87,5	88,6	82,6	97,5
630	90,1	87,0	86,2	81,1	75,9	75,1	79,5	84,0	85,7	88,1	83,1	97,3
800	89,3	86,7	85,3	80,4	76,2	77,1	79,8	83,2	85,3	87,2	82,5	96,4
1,0k	87,3	84,5	83,3	78,7	75,1	76,3	78,7	81,5	83,7	85,1	81,9	94,7
1,25k	87,4	84,9	83,2	78,4	75,0	76,0	78,7	81,3	83,0	84,3	81,8	94,2
1,6k	85,4	82,6	81,3	76,7	73,7	73,9	76,4	79,1	80,3	81,7	81,0	95,3
2,0k	83,5	80,8	80,2	75,9	73,2	72,7	73,7	77,9	79,4	80,6	79,8	94,4
2,5k	83,0	81,1	80,6	78,6	76,1	75,4	77,4	79,0	80,3	79,7	84,8	99,2
3,2k	83,7	81,0	79,8	78,0	75,6	75,2	75,9	77,5	78,9	80,7	83,0	98,0
4,0k	81,4	79,2	78,1	73,8	71,6	69,9	71,5	74,6	77,1	79,2	77,7	95,9
5,0k	80,5	78,9	77,1	74,2	71,1	69,7	71,7	74,2	76,9	78,6	79,2	97,5
6,3k	77,3	78,3	76,7	73,0	70,3	68,2	69,6	72,6	74,9	75,8	77,8	94,8
8,0k	74,9	75,9	75,4	72,7	68,6	66,5	68,8	70,9	71,8	74,2	78,0	96,0
10,0k	74,6	72,5	71,4	69,7	66,0	62,5	64,7	65,8	67,1	70,8	75,4	94,8
12,5k	77,1	69,5	67,3	65,4	60,8	56,2	58,1	61,4	66,6	68,3	72,1	93,3
16,0k	75,1	69,3	61,7	59,2	52,2	48,9	52,9	58,5	66,3	71,2	68,6	92,1
20,0k	69,1	65,7	58,3	55,5	43,6	40,0	46,0	57,4	60,6	65,8	62,6	89,5
PNLT	111,5	109,0	107,6	104,6	101,1	100,0	102,8	105,3	107,2	109,0	109,0	125,2
LA	98,1	95,6	94,4	90,0	86,7	86,1	88,6	92,1	94,1	95,6	93,3	108,6
SPL	108,3	104,1	102,2	96,3	92,1	91,0	94,6	98,5	102,0	105,1	98,1	124,0

RPM = 420., Collective = 1.5 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	91.0	76.8	69.6	64.1	51.4	65.2	70.6	69.3	75.1	87.8	56.2	104.9
6.3	91.7	79.3	69.9	68.0	59.8	67.2	70.4	71.4	77.8	88.3	63.9	112.6
8	91.8	80.1	71.5	69.7	61.2	67.8	70.0	71.3	79.6	87.4	64.1	113.0
10	92.2	78.5	72.8	71.4	62.4	67.4	73.1	72.5	80.7	87.3	63.5	113.1
12.5	92.6	81.7	77.5	75.0	67.8	76.6	82.1	81.9	85.7	89.2	81.1	115.2
16	93.0	81.1	77.5	74.8	67.6	75.9	81.5	81.5	84.8	88.9	80.6	114.9
20	92.4	80.8	75.9	72.5	66.0	67.1	73.7	74.1	81.8	87.8	70.5	114.8
25	104.2	99.7	97.9	92.0	80.0	81.6	87.1	89.3	94.4	98.0	91.1	115.7
32	103.0	98.7	96.9	91.0	78.8	80.6	85.9	88.3	93.4	96.9	90.0	114.9
40	94.5	87.1	84.7	75.0	79.3	75.8	75.6	77.3	84.7	89.9	79.3	112.6
50	98.0	91.7	88.2	82.9	85.4	78.2	74.3	80.3	87.3	94.0	87.6	111.3
63	97.6	91.3	87.6	82.7	84.9	77.5	75.4	83.5	87.9	93.6	87.3	110.4
80	90.4	85.9	83.6	76.6	76.4	78.9	80.3	88.4	89.8	91.4	79.1	107.0
100	89.7	85.0	82.8	75.9	73.6	72.5	74.9	81.7	85.0	87.7	78.7	105.0
125	91.6	87.6	84.1	79.2	75.9	75.4	78.7	84.7	87.6	90.0	82.1	104.2
160	91.0	86.9	85.5	78.8	78.8	77.8	79.3	85.3	88.4	90.0	82.1	103.7
200	91.1	87.1	84.9	81.4	76.5	79.6	84.5	85.7	88.2	89.5	82.8	102.3
250	90.7	87.4	85.4	81.6	77.7	79.9	82.4	86.0	88.5	90.1	81.9	99.7
320	91.6	88.4	86.8	80.1	79.6	79.7	82.2	87.7	89.9	91.2	84.3	100.2
400	90.7	87.6	86.0	83.6	75.1	75.6	83.8	87.0	89.4	90.4	83.2	98.9
500	89.0	85.6	84.8	78.9	78.1	78.8	78.4	85.6	88.0	88.6	82.2	97.9
630	88.5	85.2	84.2	80.1	75.1	75.9	80.0	84.2	85.7	87.1	83.8	97.8
800	88.4	85.4	84.1	80.2	76.9	78.7	81.0	83.8	85.4	86.3	83.8	97.8
1.0k	86.7	84.3	83.2	79.4	76.5	78.1	80.8	82.7	84.0	84.8	84.8	95.6
1.25k	86.7	83.6	82.3	78.3	75.7	77.7	80.2	82.6	83.6	83.9	84.6	95.1
1.6k	85.2	82.0	81.1	77.3	74.7	75.5	77.8	80.3	81.3	81.2	82.9	95.8
2.0k	83.6	80.5	80.1	76.3	73.9	73.9	74.8	79.2	79.6	79.8	81.4	95.4
2.5k	83.3	81.5	81.2	80.0	77.2	75.8	77.8	79.7	80.1	79.3	85.1	99.7
3.2k	84.4	81.7	80.5	79.1	76.8	75.8	76.6	78.9	79.7	80.7	83.0	98.9
4.0k	82.4	80.3	78.9	75.1	72.8	71.2	72.5	75.9	77.9	79.5	79.2	97.6
5.0k	81.2	79.8	77.7	75.4	72.3	70.6	72.2	74.9	77.6	79.1	79.4	97.9
6.3k	78.0	79.2	77.4	74.3	71.6	69.2	70.5	73.7	76.2	76.9	78.9	95.4
8.0k	76.0	76.8	76.1	74.0	69.7	67.6	69.8	72.3	73.4	75.4	79.2	96.9
10.0k	75.8	73.1	71.9	71.1	67.1	64.0	65.9	67.3	69.3	71.6	76.6	95.8
12.5k	78.4	70.0	67.7	66.6	62.0	58.0	62.6	63.3	68.4	69.0	73.5	94.7
16.0k	76.7	70.4	61.9	60.1	53.4	51.1	54.4	60.9	68.3	72.3	70.1	93.6
20.0k	70.6	66.3	57.3	55.1	44.6	43.0	47.2	59.1	62.8	66.8	64.1	91.2
PNLT	111.5	108.6	107.2	104.9	102.6	101.0	103.5	106.0	107.7	108.9	108.5	124.9
LA	97.3	94.5	93.3	90.0	87.0	87.3	89.6	92.9	94.5	95.3	94.4	109.4
SPL	109.4	104.4	102.4	97.0	92.5	91.8	95.1	98.7	102.0	105.1	98.6	124.7

RPM = 420., Collective = 1.5 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.0	80.5	71.2	70.1	63.0	65.3	71.0	73.3	81.2	87.3	54.2	109.5
6.3	90.7	81.9	73.1	72.4	64.0	67.9	73.3	73.4	82.7	89.1	55.3	114.3
8	91.8	82.8	74.8	73.4	64.4	68.7	73.2	75.4	82.2	89.8	65.8	115.0
10	92.9	83.4	76.3	74.4	66.7	68.6	76.1	76.5	83.8	91.0	65.7	117.6
12.5	92.8	82.6	79.7	76.6	70.6	79.1	84.3	84.4	88.0	92.1	83.9	119.7
16	92.0	83.8	79.4	76.5	70.3	78.6	83.8	83.9	88.2	91.8	83.5	120.8
20	93.2	83.9	77.4	74.9	67.2	68.0	74.1	77.7	85.8	90.8	70.8	121.3
25	105.5	101.3	99.4	93.5	81.1	82.0	88.6	91.2	96.5	100.3	91.4	121.2
32	104.3	100.2	98.3	92.5	80.1	81.8	87.6	90.2	95.4	99.0	90.3	120.7
40	95.3	87.6	85.7	75.9	79.7	77.2	76.5	78.5	86.5	92.6	79.1	119.1
50	99.7	93.7	89.9	84.6	87.0	80.7	75.5	78.3	86.6	95.3	89.2	116.8
63	99.2	93.3	89.6	84.3	86.4	80.2	76.5	82.9	87.5	94.7	88.8	114.8
80	90.1	84.7	82.8	76.5	77.1	78.9	81.3	89.3	90.6	91.8	79.3	112.0
100	89.5	84.9	82.7	75.3	73.1	72.6	75.2	82.1	85.6	88.5	79.3	109.0
125	90.9	86.4	83.2	78.5	74.6	75.3	78.3	84.3	87.3	90.1	82.2	107.3
160	90.9	86.4	85.2	78.5	78.3	76.8	79.3	84.8	87.9	90.0	81.2	105.8
200	91.3	86.5	84.4	81.2	76.0	78.8	83.9	84.8	87.5	89.6	82.2	103.8
250	90.7	87.0	84.8	81.3	77.6	78.8	79.7	84.9	87.3	88.9	81.1	101.1
320	91.8	88.4	86.7	80.4	79.9	79.2	81.9	87.2	89.3	89.7	83.9	101.2
400	91.0	87.8	86.2	84.4	75.4	75.8	83.8	86.9	88.8	89.4	83.8	99.7
500	89.5	87.2	85.6	79.9	79.3	79.1	79.3	86.3	88.5	88.4	83.8	98.5
630	89.5	85.7	85.1	81.1	76.5	77.0	81.8	85.2	86.4	87.8	85.3	98.3
800	90.1	86.5	85.3	81.7	78.0	80.0	83.0	85.4	86.8	87.2	85.4	99.0
1.0k	89.3	87.8	86.4	82.2	79.4	80.2	83.5	85.4	86.8	86.2	87.7	96.8
1.25k	88.0	85.3	84.3	81.0	78.1	79.8	83.2	84.5	85.6	85.0	87.8	95.6
1.6k	86.4	83.3	82.2	78.5	75.6	77.0	79.8	82.0	82.9	82.4	84.4	96.8
2.0k	84.4	81.3	81.2	77.7	74.8	75.1	76.5	80.7	81.0	80.9	82.7	96.4
2.5k	84.6	81.9	81.5	80.3	77.8	76.7	79.0	80.6	81.1	80.4	85.9	100.8
3.2k	85.5	82.6	81.6	80.3	77.3	76.6	78.0	80.2	80.9	82.1	84.1	99.5
4.0k	83.5	81.1	80.2	76.3	73.6	72.4	74.2	77.3	79.0	80.9	80.4	98.8
5.0k	82.3	80.7	78.8	76.5	72.8	71.4	73.6	76.1	79.0	80.1	80.3	98.9
6.3k	79.1	80.3	78.6	75.7	72.3	70.2	72.0	75.1	78.1	77.9	79.9	96.9
8.0k	77.4	77.9	77.5	75.4	70.6	68.9	71.2	73.8	75.4	76.8	80.1	98.3
10.0k	77.2	74.3	73.4	72.4	67.8	65.4	67.4	69.3	70.7	73.7	77.8	97.7
12.5k	79.8	71.3	69.1	68.0	62.8	59.0	62.3	65.6	70.2	71.0	74.6	96.9
16.0k	78.2	71.9	63.5	61.4	54.5	52.0	56.2	63.3	70.3	74.4	71.2	96.1
20.0k	72.5	68.0	58.9	55.7	45.3	43.8	48.7	61.7	65.0	69.0	65.4	93.7
PNLT	112.4	109.4	108.1	105.9	103.4	101.8	104.6	107.0	108.6	109.7	109.5	126.4
LA	98.5	95.6	94.5	91.3	89.2	88.5	91.4	94.1	95.5	95.8	96.0	110.6
SPL	110.5	105.7	103.6	98.4	93.6	92.8	96.4	99.5	103.1	106.6	99.8	129.7

RPM = 420,, Collective = 1.5 deg, Blade Pressure Ratio = 1.8

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	93.0	86.2	77.3	71.3	63.7	60.1	64.7	67.9	76.7	87.9	56.8	111.6
6.3	96.9	86.3	77.6	73.6	66.7	63.3	67.7	69.7	78.5	88.7	65.9	116.3
8	95.8	86.3	79.3	75.5	67.2	65.4	68.6	70.6	79.7	89.1	66.3	117.2
10	97.0	86.8	80.2	76.2	67.9	65.2	71.4	72.1	81.5	89.7	66.8	115.4
12.5	96.2	87.6	82.4	79.2	69.9	78.9	83.7	83.1	87.1	89.8	83.5	117.4
16	96.4	86.8	81.9	77.9	69.8	78.5	83.3	82.6	86.9	89.8	83.1	119.0
20	96.6	86.8	81.3	76.9	68.9	67.3	71.9	73.7	81.8	89.7	70.5	118.0
25	106.8	102.5	100.6	95.0	81.7	84.8	88.2	91.2	96.9	100.9	91.0	120.4
32	105.8	101.5	99.6	93.9	80.6	83.8	87.2	90.1	95.8	99.8	90.0	119.2
40	97.5	89.5	86.3	76.3	80.4	77.8	76.2	77.2	83.9	90.7	78.9	116.7
50	101.4	95.4	91.6	85.1	88.6	82.8	75.2	80.6	86.9	95.0	89.8	115.7
63	100.9	94.9	91.1	85.0	88.6	82.3	76.4	83.6	87.7	94.6	89.5	114.3
80	93.2	85.4	82.8	77.5	76.8	82.0	83.4	90.6	91.9	93.4	81.7	111.0
100	91.9	85.6	83.2	75.3	73.2	75.2	77.9	84.4	87.6	89.9	80.3	108.2
125	92.7	87.1	83.8	78.3	74.8	77.7	81.0	86.8	89.8	91.5	83.7	107.0
160	92.3	86.9	85.5	78.0	77.8	78.9	82.7	86.3	89.3	91.1	83.9	105.8
200	92.6	87.4	85.5	80.9	77.1	80.4	85.3	85.9	88.6	89.1	83.7	104.4
250	92.4	87.9	85.8	81.5	78.1	79.8	80.8	85.5	88.1	89.1	82.5	101.5
320	93.4	89.7	87.8	80.8	80.5	80.0	82.8	87.8	89.8	90.3	85.0	101.7
400	92.4	89.0	87.6	85.3	76.3	77.1	85.0	87.5	89.8	89.8	84.8	100.4
500	90.6	87.3	86.7	80.4	80.3	80.7	80.0	86.7	88.3	88.7	85.1	99.5
630	90.0	86.6	86.3	82.1	77.4	78.8	82.9	86.0	87.1	87.7	86.6	99.1
800	90.9	87.6	86.7	82.7	79.8	81.7	84.2	86.6	87.9	87.8	87.4	100.1
1.0k	90.8	89.9	88.3	83.9	80.7	82.2	84.8	86.8	88.4	87.4	89.5	98.6
1.25k	88.9	87.1	86.6	83.6	80.3	82.4	85.3	86.7	87.8	86.4	91.2	97.0
1.6k	86.8	84.4	83.8	79.7	76.6	78.4	81.3	83.7	84.3	83.3	86.0	97.6
2.0k	85.2	82.5	82.4	78.8	76.1	76.3	78.1	82.0	82.2	81.2	83.9	97.6
2.5k	85.7	83.1	82.8	81.4	78.9	77.4	79.7	81.7	82.1	81.3	86.1	101.4
3.2k	87.1	83.9	82.9	81.2	78.5	78.1	79.4	81.7	82.3	82.9	85.0	100.3
4.0k	85.0	82.5	81.5	77.6	74.8	73.9	75.7	78.8	80.3	81.5	81.8	99.3
5.0k	84.0	82.2	80.4	77.7	73.9	72.7	75.0	77.8	79.9	80.7	81.6	99.3
6.3k	80.7	81.9	80.1	76.8	73.5	71.8	73.5	76.7	78.6	78.4	81.2	97.7
8.0k	78.8	79.8	78.9	76.7	71.8	70.2	72.6	75.3	75.7	77.3	81.6	99.2
10.0k	78.7	76.3	74.8	73.9	68.8	66.8	68.8	70.9	71.9	74.2	79.2	98.7
12.5k	81.5	73.3	70.7	69.6	64.0	60.8	64.0	67.5	71.7	71.9	76.3	98.3
16.0k	79.9	73.9	65.3	63.7	55.7	53.5	58.0	65.4	71.8	75.3	72.6	97.7
20.0k	74.2	69.8	60.6	60.5	46.2	44.6	52.1	63.8	66.8	72.0	66.9	95.5
PNLT	113.9	110.7	109.4	107.0	104.6	103.3	106.0	108.4	109.7	110.4	111.7	126.9
LA	99.6	97.1	96.1	92.6	89.4	90.2	92.8	95.4	96.7	96.5	97.8	111.3
SPL	112.3	107.2	104.9	99.6	94.8	94.5	97.0	100.3	103.6	106.9	100.8	128.4

RPM = 420., Collective = 1.5 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	93.4	82.3	71.9	73.9	61.9	66.7	72.1	70.2	80.2	89.4	61.1	111.6
6.3	93.6	83.0	74.7	73.9	67.6	66.9	72.4	74.2	82.9	89.5	65.1	120.-
8	95.0	83.0	75.7	76.3	66.5	69.3	73.9	74.9	83.2	91.7	68.0	120.0
10	94.2	84.4	77.3	76.6	68.4	70.7	76.4	74.8	84.6	91.4	68.9	118.7
12.5	94.8	85.2	81.2	78.7	70.7	81.6	86.6	86.1	89.2	92.8	84.9	121.6
16	93.6	85.4	80.8	78.3	69.3	80.8	85.7	85.5	89.1	93.1	84.2	122.6
20	94.2	85.4	80.1	77.1	68.6	70.8	76.4	78.5	87.1	91.8	72.6	123.6
25	107.6	103.5	101.6	96.7	82.6	85.5	89.2	92.9	98.4	102.2	91.4	123.5
32	106.1	102.1	100.2	95.4	81.2	84.1	87.8	91.6	97.0	100.9	90.0	122.6
40	96.7	89.2	86.3	77.0	81.0	77.3	76.2	78.1	86.8	92.3	80.6	123.6
50	101.9	96.1	92.3	86.3	89.7	83.8	78.8	79.3	86.0	96.9	91.3	118.7
63	101.1	95.3	91.6	85.7	88.9	83.1	79.2	83.1	86.7	96.1	90.6	117.2
80	92.6	85.7	84.5	76.7	78.5	82.6	83.1	91.3	92.7	94.8	81.9	114.7
100	90.9	85.9	84.1	75.8	74.3	74.3	76.3	83.4	87.0	90.4	80.1	111.8
125	91.7	87.2	84.6	79.0	74.8	75.5	78.9	84.5	87.6	91.4	83.6	109.9
160	91.3	86.4	85.0	78.2	78.0	77.8	79.3	85.0	88.1	90.9	83.0	107.9
200	92.3	87.6	85.0	81.6	77.9	79.5	83.7	84.8	87.3	89.3	82.6	106.4
250	91.9	88.0	85.7	81.8	78.4	79.1	80.3	84.9	87.2	89.5	82.6	103.6
320	92.9	89.9	88.2	81.0	80.9	79.5	81.6	87.3	89.1	90.8	85.5	102.9
400	92.9	89.7	88.2	86.2	77.1	76.8	84.2	87.3	88.9	90.5	86.3	101.7
500	92.1	88.8	87.9	82.0	92.0	81.2	80.7	87.5	89.2	90.1	87.0	101.2
630	92.0	89.6	88.0	83.9	79.0	79.9	84.1	87.6	88.3	92.1	88.4	100.7
800	92.9	89.9	88.8	84.7	81.9	83.8	86.2	88.6	89.9	90.4	90.0	101.6
1.0k	92.5	91.-	89.7	84.9	81.9	85.0	87.5	89.7	90.7	90.3	92.1	100.9
1.25k	91.2	89.9	89.4	85.2	82.0	85.5	88.1	90.1	90.5	89.4	93.7	98.4
1.6k	88.7	86.4	85.8	81.6	78.5	82.1	85.3	86.8	86.8	86.1	89.5	98.7
2.0k	86.6	84.1	84.1	80.9	78.0	79.1	81.9	84.6	84.3	83.8	86.8	98.7
2.5k	87.2	84.3	83.9	82.7	80.5	79.4	82.3	83.1	83.6	83.5	88.2	102.5
3.2k	88.4	85.1	84.2	82.6	80.1	80.1	81.2	83.0	83.2	84.9	86.9	101.3
4.0k	86.3	83.7	82.5	78.5	76.3	75.7	77.0	79.8	81.1	83.2	83.7	100.0
5.0k	85.2	83.-	81.1	78.9	75.1	73.9	76.2	78.3	80.8	82.3	82.7	100.3
6.3k	81.7	82.8	81.0	77.9	74.7	72.7	74.5	77.2	80.0	79.8	82.3	99.0
8.0k	80.2	80.7	79.8	77.9	73.2	71.2	73.7	75.8	77.5	78.9	82.6	100.6
10.0k	80.2	77.2	75.5	75.0	70.1	67.8	69.8	71.1	72.8	76.3	80.2	100.4
12.5k	83.1	74.5	71.5	70.9	65.1	61.8	65.3	67.3	72.7	74.0	77.2	100.2
16.0k	81.8	75.5	66.5	64.9	57.1	54.9	60.3	65.2	73.3	77.5	73.7	99.9
20.0k	76.2	71.6	62.1	61.2	47.5	45.5	50.2	63.4	67.8	72.3	68.4	98.0
PNLT	114.9	111.8	110.6	108.3	106.2	104.9	107.4	109.4	110.6	112.2	112.3	128.4
LA	101.1	98.7	97.7	94.0	91.0	92.5	95.1	97.5	98.3	98.6	100.1	112.8
SPL	112.4	107.8	105.8	101.0	95.9	95.7	98.3	101.4	104.6	108.3	102.3	132.0

RPM = 420,, Collective = 1.5 deg, Blade Pressure Ratio = 2.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	95.7	8..0	78.9	71.8	55.6	61.0	60.4	61.0	71.8	88.0	54.7	104.0
6.3	96.7	86.6	78.2	74.0	63.7	62.7	65.4	68.3	74.8	87.9	66.7	118.9
8	97.4	87.2	77.1	75.0	63.6	64.4	65.9	68.4	75.1	88.9	67.6	118.3
10	97.6	87.3	77.8	75.7	65.3	64.9	69.8	68.6	76.6	87.8	66.7	112.1
12.5	96.8	88.9	82.8	78.6	67.9	79.9	85.1	84.9	87.4	93.2	84.5	115.4
16	97.6	88.5	82.2	77.9	67.2	79.6	84.7	84.4	87.0	90.2	84.1	114.9
20	98.5	88.1	81.2	77.7	68.4	78.4	76.2	76.6	81.0	89.2	76.5	113.9
25	107.9	104.3	102.1	96.8	83.5	85.3	89.9	93.3	98.4	102.2	92.5	119.9
32	106.8	102.9	100.9	95.6	82.4	84.2	88.7	92.2	97.2	101.1	91.4	119.5
40	98.0	89.7	86.8	77.5	81.3	77.2	76.9	77.2	82.9	93.0	80.7	115.0
50	103.9	97.8	93.7	87.6	90.4	84.9	79.0	80.0	85.1	97.4	92.8	115.6
63	103.2	97.2	93.2	87.2	89.9	84.3	78.1	82.3	85.9	96.8	92.3	114.6
80	95.4	86.6	84.4	79.7	77.0	83.0	82.5	90.8	92.2	94.6	82.4	112.2
100	92.8	86.6	84.3	76.9	74.5	75.9	77.3	84.0	87.2	90.4	81.9	110.2
125	93.9	88.6	85.1	79.3	76.3	77.8	80.2	86.8	89.7	92.7	85.5	108.9
160	93.5	88.1	85.7	79.7	78.3	79.3	80.1	86.7	89.3	92.2	84.6	107.6
200	93.8	88.6	86.3	82.2	79.1	81.0	85.1	86.3	88.1	89.8	83.8	106.6
250	93.4	88.4	86.2	82.5	79.4	80.4	82.9	86.1	87.9	89.5	83.6	104.1
320	94.8	90.5	88.5	82.0	81.6	80.5	82.2	87.8	89.5	90.8	85.9	103.4
400	94.5	90.8	88.8	86.6	78.2	77.8	85.0	88.3	89.6	90.8	86.7	102.3
500	94.2	90.1	89.0	82.9	83.4	82.2	82.1	88.5	89.9	90.9	87.7	101.8
630	94.3	90.5	89.5	85.6	81.1	82.1	86.0	89.3	90.1	91.1	89.6	101.9
800	95.1	92.5	90.8	87.0	84.6	86.3	88.9	91.3	92.3	92.4	91.8	103.0
1.0k	94.8	93.8	91.9	87.7	85.2	87.8	90.3	92.2	93.7	92.0	94.2	102.0
1.25k	93.4	92.9	91.8	87.7	84.8	87.8	91.6	93.1	93.6	90.6	94.4	99.4
1.6k	90.2	89.3	88.7	85.4	82.1	84.1	87.4	89.6	89.5	87.7	90.3	99.3
2.0k	88.0	86.6	86.4	84.3	80.8	81.3	84.0	87.8	87.2	85.2	87.8	99.1
2.5k	88.3	86.5	85.7	85.0	82.8	81.4	84.4	85.7	86.1	84.9	89.0	101.9
3.2k	89.4	87.0	85.7	84.4	82.3	82.1	83.6	85.8	86.3	86.4	88.5	101.5
4.0k	87.0	85.1	83.8	80.5	78.3	77.4	79.2	82.3	83.6	84.4	85.3	100.3
5.0k	86.0	84.6	82.4	80.4	77.1	75.9	78.2	80.5	82.3	83.4	84.4	100.4
6.3k	82.9	84.2	82.2	79.2	76.4	74.6	76.1	79.3	80.7	80.7	84.0	99.1
8.0k	81.2	82.0	81.0	79.1	74.7	72.9	75.3	77.9	77.8	79.7	84.3	100.8
10.0k	81.1	78.6	77.0	76.5	71.3	69.4	71.8	73.5	74.0	76.7	81.9	100.7
12.5k	83.8	75.9	72.8	72.2	66.6	63.7	66.9	70.1	74.4	74.8	79.1	100.6
16.0k	82.6	76.8	68.0	67.7	58.9	57.1	61.1	68.3	74.9	78.6	75.6	100.4
20.0k	77.1	72.8	63.6	65.9	49.8	48.8	53.6	66.1	69.6	73.6	70.6	98.6
PNLT	116.3	113.6	112.1	110.0	108.1	106.8	109.5	111.7	112.7	113.3	113.6	128.3
LA	102.9	100.9	99.6	96.3	93.5	94.7	97.4	100.0	100.7	99.9	101.4	113.1
SPL	113.8	109.0	106.7	101.8	97.3	97.0	99.6	102.7	105.2	108.3	103.6	127.9

RPM = 420,, Collective = 1.5 deg, Blade Pressure Ratio = 2.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	96.8	83.3	74.1	70.2	61.4	68.0	72.7	73.0	82.4	93.3	55.4	113.3
6.3	97.6	85.4	76.0	75.0	67.8	70.5	74.7	76.2	85.1	94.8	65.9	121.2
8	98.2	86.2	77.8	75.7	67.3	69.7	73.8	77.6	86.4	94.8	64.6	120.3
10	98.4	86.8	78.4	77.2	67.3	70.6	75.7	78.7	86.0	95.4	63.5	118.3
12.5	97.1	88.2	82.9	80.5	71.3	80.3	86.1	86.1	89.1	94.3	80.2	121.3
16	97.5	88.9	82.5	79.4	70.1	79.3	85.2	85.4	88.7	94.0	79.2	121.7
20	98.0	87.1	81.5	79.2	71.0	74.1	79.5	81.6	87.9	93.5	72.8	121.3
25	108.2	104.3	102.4	97.9	83.1	84.6	97.2	93.4	98.7	103.2	87.1	122.8
32	106.8	102.9	100.8	96.4	81.6	83.1	88.7	92.0	97.4	101.9	85.7	121.3
40	98.0	89.2	85.7	77.5	80.0	78.3	76.7	80.6	87.9	94.7	75.2	119.5
50	103.0	96.9	92.8	87.0	90.2	84.0	78.7	82.4	93.7	99.6	87.6	118.4
63	102.2	96.0	92.0	86.2	89.3	82.9	78.3	83.7	89.5	98.5	86.6	117.0
80	94.5	88.6	86.0	80.9	79.4	85.0	86.2	94.1	95.0	97.1	78.1	114.8
100	93.0	87.5	85.1	77.7	75.2	77.2	79.4	86.5	89.6	93.2	77.6	111.9
125	94.1	89.4	86.5	81.3	77.4	78.7	82.0	87.7	91.1	94.8	80.9	110.1
160	93.8	89.3	87.5	81.0	79.6	80.6	81.9	88.2	91.1	94.3	80.4	108.5
200	94.2	89.7	87.5	83.8	79.5	82.6	87.1	88.1	90.6	92.1	80.0	107.0
250	93.9	89.9	87.6	83.9	80.0	82.1	83.2	87.9	90.0	91.5	79.7	104.4
320	95.6	91.5	89.5	82.4	81.7	81.6	84.0	89.4	91.6	92.7	82.1	104.4
400	95.4	91.8	90.1	87.6	78.7	78.9	86.9	89.4	91.3	92.3	82.4	103.4
500	95.2	91.2	90.1	84.0	83.5	83.1	83.1	89.5	91.4	92.1	83.4	103.2
630	95.8	91.7	90.5	86.0	80.9	82.5	86.6	89.7	91.3	92.7	85.3	103.8
800	98.0	94.8	93.1	88.5	85.2	87.3	89.9	91.8	93.7	94.1	88.8	105.6
1.0k	97.2	96.0	94.6	90.3	86.7	90.2	92.6	94.0	95.3	93.9	92.2	103.9
1.25k	95.5	94.7	94.1	89.7	85.9	91.1	94.1	95.6	95.8	92.9	92.5	101.3
1.6k	92.8	91.3	90.7	87.1	83.0	88.1	91.7	91.4	90.8	89.5	89.1	100.9
2.0k	90.1	88.5	88.6	86.3	82.2	84.1	87.2	88.8	88.1	86.6	85.6	100.4
2.5k	89.9	87.6	87.2	86.3	83.5	84.1	87.5	87.8	87.3	86.2	85.8	103.5
3.2k	90.9	88.0	87.0	85.7	82.7	84.9	86.6	87.8	87.1	87.6	85.7	102.7
4.0k	88.2	86.1	84.8	81.6	78.6	79.6	81.8	84.0	84.3	85.1	82.7	101.4
5.0k	86.8	85.3	83.1	81.0	77.1	77.5	80.5	82.1	83.6	84.2	81.2	101.9
6.3k	83.4	84.7	82.5	79.9	76.3	75.9	78.1	80.6	82.5	81.6	80.5	101.0
8.0k	82.0	82.5	81.4	79.8	74.8	74.3	77.1	79.4	80.1	80.9	80.6	102.7
10.0k	82.1	78.9	77.4	77.0	71.7	71.0	73.7	75.1	75.6	77.9	78.3	102.7
12.5k	85.0	76.9	73.3	73.0	66.9	65.1	69.3	72.3	75.3	75.9	75.5	102.8
16.0k	83.9	78.1	68.7	68.2	59.0	58.4	64.8	70.3	76.1	79.6	72.4	102.8
20.0k	78.4	74.1	64.6	66.2	50.4	50.1	60.5	68.5	70.9	74.5	67.1	101.0
PNLT	117.6	114.7	113.4	111.3	108.6	110.1	112.2	113.4	114.1	114.8	110.6	129.8
LA	104.8	102.6	101.5	97.9	94.3	97.3	100.3	101.7	102.3	101.6	99.0	114.7
SPL	114.0	109.3	107.2	102.8	97.5	98.6	101.7	104.2	106.7	110.3	100.2	131.4

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	71.1	62.8	49.1	54.1	47.2	71.4	57.4	54.2	60.4	65.5	50.7	87.5
6.3	73.1	64.8	56.2	57.7	53.1	72.3	59.9	55.5	61.4	66.9	53.5	92.0
8	73.2	65.8	54.1	56.4	52.7	73.5	58.8	55.6	64.1	65.8	56.3	94.5
10	74.1	69.5	60.8	61.5	57.9	72.3	60.5	61.4	66.2	69.2	57.2	94.9
12.5	74.1	69.1	62.5	63.5	60.1	71.5	64.8	64.6	66.3	70.5	60.0	97.2
16	72.6	68.3	60.1	59.7	56.7	69.3	61.5	59.9	65.8	69.5	60.4	97.3
20	73.0	68.0	63.9	63.8	60.2	67.9	61.4	61.3	65.2	69.8	64.1	100.1
25	91.3	85.0	77.8	82.5	67.7	70.5	85.3	85.7	88.1	91.5	91.1	105.7
32	90.9	84.7	77.5	82.2	67.4	69.3	85.0	85.3	87.7	91.0	90.6	105.6
40	79.3	75.8	73.0	72.3	65.7	68.0	68.9	68.4	70.2	71.7	72.4	100.0
50	89.7	85.7	81.8	77.2	72.0	77.2	77.3	81.6	83.7	83.9	80.9	102.4
63	90.2	86.0	82.0	77.1	72.4	77.5	77.7	82.0	84.1	84.1	81.1	102.3
80	88.0	87.6	85.7	75.5	77.2	78.4	78.3	87.6	90.7	93.7	75.8	102.7
100	85.6	83.8	81.6	75.1	73.4	69.9	71.6	80.5	83.1	86.5	77.7	96.9
125	89.9	87.3	84.4	79.0	76.2	70.4	73.3	82.6	84.7	88.8	81.5	96.8
160	89.0	86.3	84.8	75.5	77.1	71.0	74.5	80.9	85.3	87.4	77.7	96.7
200	84.7	83.9	82.3	77.4	75.6	72.4	76.8	79.3	82.3	84.3	78.2	97.5
250	81.6	80.6	78.6	72.8	71.8	71.2	73.6	78.6	81.1	82.9	77.3	95.7
320	82.9	82.2	81.0	74.4	73.8	72.0	73.0	80.3	82.4	84.3	79.8	97.6
400	82.3	80.8	79.3	75.0	69.2	67.9	76.1	80.8	83.0	84.7	77.9	96.2
500	80.7	79.2	78.6	71.9	71.1	71.7	73.6	80.5	82.5	84.4	77.8	95.4
630	81.2	78.6	79.0	75.7	69.2	70.4	80.3	81.2	83.3	83.7	78.7	95.9
800	79.8	79.0	77.3	73.7	69.8	72.0	74.7	78.9	81.6	82.9	77.9	94.7
1.0k	78.7	76.8	75.9	71.8	68.5	70.2	72.9	76.8	79.4	81.0	76.1	91.5
1.25k	79.8	76.9	75.8	72.1	69.4	70.1	73.0	76.6	78.8	81.1	78.9	91.4
1.6k	79.2	77.2	75.4	71.8	69.6	69.7	71.7	75.1	77.7	78.3	76.7	93.6
2.0k	76.6	75.4	74.1	71.4	68.9	69.9	69.9	73.9	76.2	76.1	76.7	89.3
2.5k	77.0	75.4	74.5	72.4	71.0	71.1	71.3	73.8	75.5	75.7	79.7	95.8
3.2k	76.5	74.5	72.6	71.6	69.0	69.9	71.1	73.0	75.3	75.7	78.0	95.6
4.0k	72.3	71.0	69.1	65.4	63.3	64.1	65.5	69.0	71.2	71.9	72.7	92.5
5.0k	76.1	74.7	72.0	68.5	66.6	65.4	66.8	72.1	73.5	72.7	76.7	97.4
6.3k	69.9	68.2	67.2	61.6	59.6	60.3	61.5	68.1	69.3	66.1	70.3	89.5
8.0k	70.5	66.6	66.9	61.1	58.2	59.2	61.4	68.2	68.1	62.3	70.7	90.6
10.0k	68.5	62.5	62.4	57.0	54.0	54.4	55.8	64.0	63.1	61.9	68.0	87.2
12.5k	67.7	57.0	57.2	53.0	49.2	49.0	51.0	59.9	58.0	64.8	66.2	85.1
16.0k	65.4	50.8	52.5	50.5	43.1	42.8	45.6	55.5	51.3	63.1	62.6	82.7
20.0k	57.1	47.4	46.5	49.4	37.0	36.5	39.4	52.8	49.7	56.0	58.1	81.1
PNLT	105.2	103.3	101.6	97.9	95.8	95.4	98.9	101.5	103.7	104.6	103.9	122.1
LA	90.0	88.2	86.9	83.2	80.5	82.9	84.0	87.6	89.8	91.1	88.7	105.8
SPL	99.6	96.5	93.8	89.9	86.0	87.0	91.2	94.7	97.3	99.8	96.0	113.7

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	69.2	62.5	55.0	57.8	48.4	73.0	56.0	54.7	58.1	64.0	49.7	92.3
6.3	70.9	65.2	62.5	60.4	56.9	72.5	60.2	59.8	60.7	67.1	55.6	105.3
8	71.2	66.3	60.9	60.8	55.5	72.6	60.5	59.5	62.0	68.4	57.2	104.5
10	73.1	68.2	62.2	62.5	56.9	72.1	63.1	60.4	65.0	68.9	57.3	99.7
12.5	72.9	68.1	64.6	64.2	59.4	71.7	64.0	63.4	66.2	70.7	60.0	105.4
16	73.2	68.1	63.8	62.8	59.0	70.2	62.0	61.1	65.9	68.5	60.8	105.2
20	72.5	68.7	64.6	64.6	61.0	70.7	64.2	64.1	66.7	68.7	64.7	106.8
25	88.8	81.8	69.7	79.3	70.5	74.5	83.8	82.9	84.7	88.1	90.4	105.8
32	88.0	81.1	69.5	78.4	69.6	73.0	83.0	82.1	83.8	87.2	89.4	106.0
40	79.1	75.9	72.8	71.9	65.4	68.1	69.0	68.6	70.5	72.0	72.6	104.6
50	87.6	84.2	80.7	75.7	71.9	76.3	75.5	80.5	82.4	81.2	78.5	104.6
63	87.6	85.9	80.3	74.9	71.7	75.9	75.3	80.3	82.3	81.0	78.2	104.1
80	87.0	86.4	84.4	74.3	75.4	75.9	77.3	85.7	89.3	92.1	73.7	103.9
100	84.6	82.8	80.4	73.6	71.7	67.8	70.4	78.5	81.2	84.9	76.9	101.1
125	88.3	86.1	83.0	77.5	74.4	68.6	71.6	80.4	82.4	86.9	80.4	100.3
160	87.7	85.7	84.2	74.9	76.4	71.1	74.4	80.4	84.9	85.9	77.6	99.6
200	85.3	84.8	82.9	77.4	75.4	72.9	77.8	80.5	83.3	85.2	77.3	99.3
250	84.0	83.6	80.9	74.8	73.1	72.7	75.5	80.0	82.9	85.1	78.0	97.7
320	85.5	84.9	83.5	75.9	75.3	73.0	73.6	81.8	84.0	85.8	81.2	98.3
400	84.6	83.8	82.3	78.0	70.9	68.9	76.9	81.8	83.9	86.1	79.2	96.5
500	83.2	82.5	81.4	73.9	73.4	72.4	74.3	81.4	83.5	85.2	78.3	95.7
630	82.7	81.1	80.6	76.1	71.0	71.5	80.4	82.0	83.8	84.8	79.1	96.4
800	81.4	80.7	78.7	74.3	70.6	72.8	75.0	79.6	82.3	83.6	78.3	94.7
1.0k	80.1	78.5	77.0	72.7	69.3	71.0	73.2	77.4	80.1	81.5	76.6	91.7
1.25k	80.8	78.2	76.9	72.9	72.4	70.9	73.4	77.1	79.4	81.2	78.7	91.6
1.6k	79.8	78.1	76.3	72.5	70.2	70.2	71.8	75.6	78.1	78.8	77.2	92.5
2.0k	77.4	76.1	74.4	71.6	69.4	70.1	69.8	74.1	76.3	76.5	77.3	89.6
2.5k	79.9	78.7	76.6	74.8	73.8	71.7	72.1	74.7	76.7	77.1	80.3	96.7
3.2k	79.7	77.4	73.9	72.7	70.6	70.7	71.8	73.8	76.3	76.6	78.1	96.3
4.0k	75.4	74.2	71.0	67.1	65.2	65.5	66.7	70.2	72.6	73.0	73.5	92.3
5.0k	77.8	76.6	73.6	69.7	66.9	66.9	67.6	73.7	74.6	73.5	77.2	97.8
6.3k	74.2	72.6	71.2	65.8	63.3	62.6	63.4	70.1	71.6	68.0	72.1	90.1
8.0k	75.0	71.1	70.9	64.6	61.8	61.3	63.0	70.3	70.4	64.2	72.4	91.8
10.0k	74.0	67.8	67.7	61.5	59.2	57.0	58.2	66.1	65.8	64.1	70.0	88.3
12.5k	72.5	63.0	62.4	57.3	53.4	51.0	52.7	61.7	60.4	67.1	67.8	86.2
16.0k	69.4	58.2	55.9	52.0	46.1	44.4	47.1	56.4	53.2	64.7	64.2	84.0
20.0k	61.3	53.5	49.1	49.5	38.0	36.9	40.1	52.8	50.7	56.9	59.5	82.1
PNLT	106.8	105.1	102.5	99.1	97.9	95.5	99.3	102.1	103.8	104.5	104.3	123.0
LA	91.8	90.3	88.6	84.4	81.9	81.7	84.4	88.4	90.6	91.8	89.2	106.3
SPL	98.6	96.3	93.9	89.1	86.2	87.1	90.4	93.9	96.4	98.5	95.3	116.7

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	73.2	67.8	59.7	63.3	51.3	73.6	53.9	53.4	64.0	69.0	49.5	99.5
6.3	72.9	69.1	62.8	63.3	55.1	74.3	59.0	59.3	64.7	72.9	56.5	107.6
8	75.6	69.8	62.9	64.8	54.0	75.1	59.3	59.0	65.6	72.2	59.1	109.5
10	76.2	71.2	65.1	66.4	58.3	75.4	63.5	62.5	68.3	73.7	58.8	106.9
12.5	78.2	75.0	69.4	68.4	62.4	72.9	64.2	65.8	69.3	75.9	65.3	114.7
16	78.3	74.9	69.1	67.3	61.9	72.3	62.3	64.5	69.3	75.9	65.2	114.9
20	77.7	74.6	70.0	68.3	62.9	71.0	62.0	64.1	68.1	74.9	65.7	114.7
25	93.7	90.5	87.7	74.0	73.2	76.3	82.4	84.6	89.6	92.4	89.7	114.5
32	93.3	89.9	87.3	73.5	72.8	75.1	81.9	84.1	89.0	91.8	89.1	115.4
40	80.3	76.7	73.2	71.4	66.3	69.2	69.0	69.3	72.1	74.5	72.7	115.1
50	86.0	83.9	80.9	74.4	74.5	76.1	76.1	81.3	84.6	82.9	73.0	114.4
63	86.2	83.9	80.6	74.0	74.5	76.1	76.1	81.6	84.9	83.3	72.8	113.9
80	88.9	87.0	85.2	76.0	74.8	75.2	77.9	85.6	89.5	92.8	74.6	112.4
100	83.6	81.8	80.0	72.9	70.9	68.4	70.6	78.5	81.1	84.6	76.0	111.2
125	87.3	85.1	82.6	77.2	74.0	69.9	71.4	80.0	81.7	85.3	79.8	110.0
160	87.3	84.9	83.2	75.3	75.6	70.7	73.2	79.1	83.5	83.9	77.6	108.5
200	83.6	82.6	81.1	76.5	73.3	71.5	76.4	78.4	81.0	83.0	77.1	107.7
250	80.9	80.2	77.9	72.3	71.0	70.9	73.4	77.7	80.4	82.3	77.3	105.6
320	82.5	81.4	80.7	74.0	73.8	71.6	72.7	79.6	81.7	82.8	80.4	105.2
400	81.7	80.1	78.5	75.0	69.2	67.2	74.7	79.2	81.4	83.2	77.3	103.6
500	80.4	78.6	77.3	70.9	70.8	70.5	72.2	78.7	81.0	83.0	77.1	101.9
630	81.6	78.6	78.5	73.5	69.8	70.2	79.7	80.1	82.2	83.6	78.5	100.6
800	80.2	78.8	77.1	72.8	69.7	71.7	74.1	77.7	80.5	82.3	77.6	99.2
1.0k	79.0	76.8	75.6	71.3	68.3	70.1	72.2	75.8	78.6	80.8	76.2	95.9
1.25k	80.2	77.1	75.8	71.6	69.4	69.9	72.3	75.9	78.2	80.4	78.2	94.5
1.6k	79.4	77.3	75.9	71.8	69.6	69.1	70.6	74.6	77.1	78.0	76.8	94.0
2.0k	77.4	75.7	74.8	71.2	69.0	69.1	68.9	73.3	75.4	76.1	76.7	91.3
2.5k	78.6	77.0	75.4	74.1	72.7	71.0	71.6	73.9	75.9	76.3	79.0	95.9
3.2k	81.0	78.7	75.4	74.9	73.3	71.9	73.0	74.6	76.9	77.3	79.2	97.0
4.0k	78.4	76.4	73.5	69.6	67.8	66.8	68.1	71.1	73.9	74.0	74.5	93.0
5.0k	80.1	78.7	76.0	71.5	69.1	68.2	69.1	75.0	76.3	74.8	78.0	99.8
6.3k	78.4	75.8	74.6	68.5	66.6	64.5	65.5	71.8	73.5	71.1	74.1	91.8
8.0k	78.8	74.5	74.6	67.9	64.9	63.1	64.9	72.0	72.8	66.7	74.2	93.1
10.0k	77.6	70.9	71.4	64.7	62.6	59.3	60.6	68.2	68.4	66.7	71.9	89.9
12.5k	76.3	66.0	66.0	60.4	56.6	53.1	55.1	63.6	63.0	69.9	69.3	87.9
16.0k	73.0	61.2	59.0	54.3	49.1	46.2	49.0	57.7	55.3	67.4	65.6	86.1
20.0k	63.8	53.3	51.0	50.2	39.1	37.5	41.0	53.5	51.9	58.8	60.4	83.9
PNLT	106.7	104.5	102.3	99.8	97.9	96.8	90.8	101.9	103.7	104.3	104.0	126.8
LA	91.6	89.3	87.7	83.9	81.8	81.2	83.8	87.2	89.5	90.7	89.0	109.9
SPL	99.9	97.3	95.0	87.9	86.1	87.5	89.5	93.5	97.1	99.3	94.8	125.2

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	80.7	74.4	62.5	63.7	50.9	73.3	61.7	60.1	67.7	76.6	50.8	101.8
6.3	81.2	76.1	65.0	63.8	56.2	73.6	63.6	62.8	70.6	78.8	58.4	112.4
8	81.0	76.3	66.3	64.3	56.9	73.9	64.3	64.1	70.5	78.3	60.1	112.7
10	82.8	76.5	68.6	65.7	58.7	73.3	65.0	64.6	71.4	77.5	59.9	109.3
12.5	83.3	78.2	71.2	67.7	62.7	72.5	70.6	71.9	75.8	80.3	69.9	118.2
16	83.2	78.1	71.2	66.8	61.7	71.6	70.6	71.8	76.0	80.6	69.8	118.3
20	83.6	78.2	73.2	69.9	64.4	70.4	66.0	68.7	74.0	78.7	67.6	117.4
25	100.1	97.0	94.6	86.8	77.1	80.0	82.8	88.8	94.6	97.7	88.4	118.5
32	99.6	96.6	94.1	86.4	76.6	79.4	82.5	88.4	94.1	97.0	87.8	118.2
40	83.7	78.3	74.6	72.5	67.3	69.5	69.6	71.7	75.2	77.6	73.1	116.9
50	86.0	82.2	78.0	71.7	76.7	75.2	73.5	78.6	83.8	88.5	79.3	117.3
63	85.9	81.8	77.8	71.5	76.7	75.0	72.9	79.5	84.5	89.0	79.8	116.5
80	87.4	86.6	84.6	76.3	74.8	71.1	74.8	81.7	85.7	88.5	75.2	115.8
100	82.9	81.5	79.6	72.3	71.1	66.8	68.9	75.9	78.8	84.2	76.1	114.5
125	86.0	84.1	81.2	76.0	73.5	69.6	71.6	79.8	81.1	86.8	80.0	113.2
160	86.9	84.5	82.7	74.8	76.1	70.6	75.0	80.2	83.8	85.6	79.0	112.4
200	85.2	84.7	82.1	77.5	75.0	73.0	79.1	80.9	82.5	86.0	78.1	110.7
250	85.0	84.3	81.3	76.0	74.0	73.0	75.8	80.4	83.1	86.0	78.6	108.5
320	86.0	85.0	83.6	76.2	76.0	73.1	73.9	81.5	83.9	85.5	82.1	108.0
400	84.3	83.8	82.4	79.2	72.2	69.0	76.5	81.0	83.3	85.8	79.3	106.6
500	82.8	82.1	80.9	74.6	73.9	71.9	73.5	81.1	83.2	85.5	78.7	105.2
630	82.9	81.0	80.7	75.6	71.8	71.2	80.4	82.3	83.6	85.3	79.7	103.7
800	81.4	80.7	79.6	74.8	72.3	72.4	75.3	79.6	82.2	84.3	78.6	102.6
1.0k	79.4	78.0	77.7	73.3	70.9	71.1	73.6	77.8	80.5	82.5	77.5	99.5
1.25k	80.7	78.2	77.5	73.1	71.3	71.0	73.6	77.9	79.8	82.2	79.5	97.5
1.6k	80.2	78.1	76.9	72.5	70.7	70.0	71.6	76.3	78.6	79.7	77.1	96.1
2.0k	78.8	77.3	76.6	72.7	71.3	70.2	72.3	75.4	77.1	77.9	77.3	93.9
2.5k	80.3	78.7	77.2	75.7	75.0	72.9	72.4	75.7	77.4	77.9	79.8	97.3
3.2k	82.9	80.4	77.3	76.7	75.7	73.3	74.2	76.5	78.6	78.9	80.4	97.8
4.0k	81.0	78.9	75.7	72.1	72.6	68.7	69.8	73.3	75.7	75.9	76.3	93.9
5.0k	82.1	80.3	77.4	72.9	72.7	68.7	69.8	75.9	77.4	75.9	78.6	98.4
6.3k	81.6	78.8	77.4	71.2	69.6	66.5	67.5	74.4	75.9	73.6	76.1	93.2
8.0k	81.6	77.7	77.5	70.8	68.1	65.0	66.9	74.7	75.0	69.1	75.9	94.2
10.0k	80.9	74.3	74.2	67.7	65.4	61.3	62.8	70.6	70.7	68.8	73.7	91.9
12.5k	79.2	69.2	69.0	63.0	59.3	55.4	57.3	66.0	65.3	71.8	70.7	90.1
16.0k	75.8	64.3	62.6	56.5	51.7	48.2	51.2	59.8	57.6	69.4	67.0	88.4
20.0k	66.7	57.1	55.8	51.6	40.9	38.5	42.4	54.9	53.8	60.8	61.7	86.1
PNLT	100.4	106.2	104.2	101.2	99.1	96.9	100.7	102.9	105.0	106.1	105.2	127.9
LA	93.4	91.4	89.9	85.9	84.0	82.3	85.0	89.1	91.1	92.6	90.2	112.3
SPL	104.2	101.4	99.0	92.2	88.1	88.2	90.2	95.3	99.6	102.6	94.9	120.2

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.2	80.9	71.4	64.5	58.7	72.4	66.2	66.6	74.0	80.2	51.8	108.2
6.3	85.9	81.0	72.0	66.2	61.4	72.1	68.1	68.3	76.2	83.6	58.7	113.6
8	86.6	83.1	72.6	68.6	61.7	72.6	67.9	69.6	74.7	84.3	62.1	115.9
10	88.5	83.7	73.7	69.7	63.7	71.6	70.0	70.5	76.5	84.6	62.3	118.0
12.5	87.5	84.7	76.6	72.4	67.4	73.8	77.0	78.0	82.2	86.5	75.1	119.7
16	87.9	84.2	76.0	71.8	66.6	73.5	76.7	77.7	82.4	85.8	75.0	121.3
20	87.3	84.1	76.0	71.7	65.1	71.0	71.3	73.8	78.8	84.6	70.0	122.8
25	103.0	100.3	98.0	91.2	79.6	82.7	86.8	92.7	97.9	101.1	89.3	125.0
32	102.4	99.8	97.5	90.7	79.2	82.1	86.3	92.2	97.4	100.4	88.7	125.3
40	87.0	82.9	77.3	73.2	69.1	78.9	78.8	73.9	78.7	83.6	74.1	124.0
50	91.3	85.9	80.7	75.5	79.8	77.1	72.1	79.8	86.5	92.8	84.6	123.3
63	91.7	86.3	80.8	75.3	79.7	76.8	71.7	80.2	86.5	92.8	84.7	122.8
80	90.8	84.9	88.2	79.8	79.0	78.5	74.6	81.3	84.5	86.1	78.9	121.3
100	85.8	83.8	81.4	73.6	72.1	67.8	78.0	76.9	79.8	84.4	77.3	119.7
125	88.0	85	81.9	76.5	73.6	70.7	72.5	79.8	82.5	86.7	80.2	118.9
160	88.6	85.5	82.7	76.1	75.4	73.2	74.9	80.8	83.5	84.1	79.1	117.9
200	87.1	84.3	82.3	77.5	74.2	74.7	79.9	81.5	83.5	84.7	79.4	116.9
250	85.7	83.4	80.9	75.4	73.6	73.7	76.0	80.7	83.2	84.4	78.7	114.5
320	86.5	84.2	82.5	75.0	75.1	73.9	75.4	82.6	84.5	85.2	81.3	113.9
400	85.3	82.8	80.9	77.8	70.6	69.3	74.9	81.4	83.4	84.5	79.0	112.2
500	84.7	81.2	79.5	73.4	72.5	72.6	73.5	80.1	82.0	83.5	78.6	110.5
630	84.8	81.1	80.0	75.2	71.0	71.3	79.7	81.0	82.2	83.7	79.3	109.0
800	83.7	81.1	79.2	74.5	71.9	72.7	75.2	78.7	81.0	82.4	79.1	108.1
1.0k	82.2	79.4	78.0	74.0	71.0	70.9	73.5	76.7	79.1	81.1	78.0	105.8
1.25k	82.9	79.6	77.9	74.0	71.2	71.0	73.6	77.2	79.1	81.0	79.7	103.6
1.6k	82.4	79.6	78.1	74.0	71.4	70.1	71.7	76.2	78.2	79.1	78.0	100.8
2.0k	80.4	78.4	77.5	74.4	72.5	70.5	70.7	75.6	77.3	78.0	78.1	98.4
2.5k	81.1	79.8	78.0	77.6	75.9	72.8	73.7	76.2	78.2	78.1	80.7	99.7
3.2k	83.2	81.1	77.7	78.1	76.1	74.2	75.3	77.1	79.0	79.1	81.1	99.7
4.0k	81.3	79.5	76.8	73.6	71.4	69.5	70.7	74.1	76.3	76.3	77.3	96.5
5.0k	82.6	80.9	78.1	74.2	71.6	69.0	70.3	76.4	77.9	76.5	78.7	98.1
6.3k	82.4	80.3	78.9	73.3	71.4	68.0	68.9	75.8	77.2	74.5	77.9	95.4
8.0k	83.3	79.4	79.1	72.9	69.5	66.3	68.5	76.3	76.5	71.0	77.7	96.4
10.0k	82.5	76.0	76.2	69.8	67.3	62.9	64.6	72.5	72.4	70.6	75.6	94.3
12.5k	80.8	70.6	71.3	64.9	61.2	57.0	59.1	67.8	67.4	73.8	72.4	92.4
16.0k	77.3	65.7	63.6	58.3	53.6	49.7	52.8	61.3	59.8	71.6	68.3	91.0
20.0k	68.6	58.8	55.9	52.3	42.5	39.6	43.8	55.8	55.9	63.0	62.7	88.5
PNLT	109.6	107.1	104.6	102.3	99.7	98.7	101.2	103.3	105.4	106.1	105.5	132.0
LA	94.7	92.1	90.2	86.8	84.5	82.9	85.3	89.1	90.9	91.7	90.7	117.5
SPL	107.1	104.3	101.8	95.4	89.4	89.5	92.3	97.5	102.1	105.3	96.1	133.8

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	87.9	81.8	74.2	68.5	61.3	74.0	65.7	61.1	70.6	81.8	52.0	101.4
6.3	87.2	83.7	76.5	69.5	66.6	75.3	72.6	69.2	74.3	80.9	64.7	111.8
8	88.6	84.0	77.2	71.7	66.3	74.3	69.9	68.4	74.7	82.8	65.1	112.2
10	89.3	85.2	77.3	72.7	66.7	73.5	70.0	67.0	75.1	81.7	64.0	110.2
12.5	89.4	86.0	77.4	73.6	67.0	75.0	77.7	77.7	81.6	85.7	76.7	116.2
16	89.4	86.3	78.7	73.3	66.3	74.5	78.0	77.7	81.7	85.5	76.9	116.9
20	89.8	87.0	79.1	73.7	67.1	71.5	71.4	71.9	77.7	84.3	69.4	117.2
25	104.6	102.5	100.3	93.8	81.0	84.5	87.6	93.6	99.0	102.6	89.5	118.3
32	104.2	102.0	99.9	93.4	80.6	84.0	87.2	93.2	98.6	102.0	89.0	119.2
40	90.5	85.8	79.0	74.3	71.0	71.3	72.7	76.1	80.8	84.5	76.3	116.7
50	97.1	92.9	88.2	83.2	84.8	78.5	72.3	76.3	82.9	94.6	88.2	118.7
63	97.3	93.1	88.6	83.3	85.1	78.4	73.0	77.1	82.5	94.7	88.1	117.8
80	91.3	90.9	89.2	77.9	80.0	73.3	74.8	81.4	83.0	85.1	83.1	116.3
100	88.8	85.8	83.0	75.0	72.7	69.8	71.2	78.1	81.3	85.8	78.2	115.9
125	89.6	86.9	83.0	78.2	73.4	72.4	74.3	81.7	84.1	88.6	80.6	115.2
160	89.7	86.9	84.5	77.8	76.8	74.7	77.5	82.7	85.3	87.4	81.8	114.8
200	89.7	87.6	84.4	79.3	77.4	76.9	82.3	83.8	86.4	88.7	81.6	112.9
250	88.8	87.1	84.2	78.5	76.7	76.6	79.7	83.8	86.4	88.9	81.7	110.8
320	89.1	87.7	86.2	78.0	77.8	75.8	77.3	84.9	87.5	88.6	84.7	110.1
400	87.9	86.3	85.0	81.2	74.2	71.4	82.0	84.1	86.4	88.1	82.7	108.5
500	86.2	84.6	83.5	77.4	76.8	75.0	76.8	83.2	85.5	87.6	81.8	107.3
630	86.0	83.8	82.6	78.2	73.8	74.8	81.4	83.8	85.5	87.0	82.3	106.0
800	85.0	83.2	81.5	78.1	74.8	75.7	77.8	81.9	84.6	86.0	81.6	105.6
1.0k	83.8	81.2	79.6	76.7	73.4	74.1	76.6	79.9	82.5	84.1	80.8	103.2
1.25k	83.7	81.4	79.6	76.5	73.2	72.9	75.9	80.1	82.4	84.0	81.3	101.5
1.6k	83.9	81.5	80.1	76.4	73.2	72.0	74.3	78.8	81.1	81.6	79.4	99.4
2.0k	82.1	80.4	78.6	76.3	73.6	72.4	73.1	77.8	79.9	80.1	79.2	97.7
2.5k	82.6	81.2	78.9	78.7	76.9	74.0	75.2	77.7	79.9	79.8	81.8	99.8
3.2k	84.9	82.6	79.1	79.4	77.3	75.5	76.6	78.3	80.7	80.8	82.1	99.7
4.0k	82.9	81.1	78.0	75.0	72.8	70.6	72.2	75.3	77.8	77.5	78.8	96.6
5.0k	83.9	82.1	79.1	75.3	72.4	69.8	71.3	77.0	78.7	77.2	79.3	98.0
6.3k	83.5	81.4	79.8	74.3	72.1	68.8	72.1	76.5	78.1	75.0	78.7	95.6
8.0k	84.8	80.9	80.3	74.0	70.4	67.4	69.6	77.1	77.7	72.4	78.7	96.8
10.0k	84.1	78.0	77.4	71.4	68.4	64.1	66.0	73.9	73.9	72.6	76.6	95.1
12.5k	82.5	72.9	72.4	67.8	62.8	58.2	60.8	69.2	69.1	75.3	73.5	93.6
16.0k	79.2	68.3	65.2	61.8	54.8	50.9	54.5	62.9	61.5	73.8	69.8	92.3
20.0k	71.1	62.6	57.9	58.4	44.7	40.4	45.3	56.2	57.8	64.8	63.9	90.4
PNLT	111.5	109.1	106.6	104.2	101.4	100.5	102.6	104.9	107.2	108.2	107.1	129.2
LA	96.3	94.0	92.2	88.8	86.1	84.8	87.4	91.3	93.6	94.6	92.8	114.7
SPL	109.2	106.7	104.3	98.0	92.2	91.8	93.7	98.8	103.2	106.9	97.8	128.8

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.8	89.0	77.9	72.5	62.4	73.1	69.1	64.8	76.1	85.7	54.3	108.9
6.3	92.5	87.9	80.8	75.0	69.4	75.0	71.9	70.3	76.9	84.6	66.6	115.1
8	92.7	87.7	78.9	76.2	68.8	74.8	73.2	71.0	76.5	85.6	66.8	115.9
10	91.6	88.9	79.9	77.3	66.8	75.5	72.6	71.7	78.0	87.8	65.3	117.4
12.5	92.6	89.7	81.3	76.7	67.7	76.9	81.0	80.8	84.7	88.1	79.0	119.9
16	92.1	88.9	81.4	76.8	67.8	76.4	81.0	80.7	84.4	88.3	78.8	120.9
20	92.7	89.8	81.2	78.4	69.3	72.5	71.8	73.7	79.9	86.8	70.9	122.1
25	106.8	104.1	101.8	96.2	81.2	85.2	88.4	94.1	99.7	103.4	89.0	123.6
32	106.1	103.4	101.0	95.4	80.5	84.5	87.7	93.5	99.0	102.6	88.2	123.9
40	92.7	89.0	81.7	76.2	73.9	73.6	72.7	77.3	83.2	87.4	78.5	124.1
50	99.8	95.5	91.0	84.5	87.7	81.5	75.4	78.9	82.8	95.9	89.4	123.1
63	99.6	95.4	91.1	84.5	87.7	81.1	75.8	79.5	82.1	95.7	89.3	123.0
80	90.5	91.5	90.2	79.1	81.2	77.3	79.2	84.0	85.3	87.1	83.4	122.2
100	88.9	87.6	84.8	76.9	74.4	72.5	73.6	80.2	83.2	86.2	79.2	121.1
125	90.7	89.3	85.8	80.6	76.5	73.5	75.4	82.8	85.3	88.6	81.2	120.7
160	90.8	88.6	86.0	79.5	78.4	75.7	78.7	83.6	86.7	89.1	82.9	120.1
200	91.3	89.5	86.7	81.9	79.2	78.1	83.1	85.0	87.9	90.1	83.1	119.7
250	90.5	89.6	86.3	80.5	78.3	78.1	82.7	85.0	87.7	90.2	82.5	117.4
320	91.0	89.8	88.1	79.5	79.5	77.2	78.1	85.7	88.5	89.7	85.3	116.5
400	89.1	88.4	87.2	83.9	76.2	72.8	80.8	85.0	87.2	88.9	84.1	115.2
500	87.8	86.2	85.2	78.4	78.7	77.0	77.8	84.1	86.5	88.3	83.1	114.8
630	88.0	85.2	84.0	79.0	75.7	76.1	81.8	84.0	86.0	87.5	83.5	112.3
800	87.4	85.3	83.7	78.9	77.0	77.3	78.6	82.3	85.3	86.6	83.2	111.7
1.0k	85.0	83.8	82.4	77.9	76.4	76.0	78.1	81.1	83.6	84.7	83.2	109.1
1.25k	85.1	83.0	81.5	76.9	75.2	74.4	76.6	80.4	82.5	84.1	82.9	107.4
1.6k	85.1	82.9	81.8	77.0	75.2	73.1	74.8	78.7	81.2	81.7	80.1	105.0
2.0k	82.9	81.7	79.9	76.6	75.0	73.0	73.6	77.4	80.0	80.3	79.8	102.4
2.5k	83.6	82.6	80.4	79.5	78.4	75.1	76.2	78.3	80.5	80.3	83.5	102.8
3.2k	85.4	83.2	79.9	79.6	78.0	76.2	77.2	78.5	81.2	81.1	83.1	102.7
4.0k	83.3	81.9	78.8	75.3	73.9	71.6	73.0	75.7	78.5	77.9	79.9	99.6
5.0k	84.5	83.0	80.2	75.7	73.6	71.0	72.2	77.6	79.4	77.8	80.3	100.1
6.3k	84.1	82.3	80.9	74.8	73.3	69.9	71.2	77.2	79.0	75.6	79.7	97.9
8.0k	85.7	82.0	81.6	74.6	71.8	68.7	72.9	77.9	78.9	73.3	80.1	99.1
10.0k	85.0	79.3	79.0	71.9	69.6	65.4	67.3	74.8	75 3	74.0	78.1	97.3
12.5k	83.7	74.0	73.7	67.4	63.6	59.7	62.3	70.5	70.5	76.6	75.0	96.2
16.0k	80.9	69.1	66.9	61.1	57.3	52.9	56.5	64.2	63.4	74.6	70.8	95.3
20.0k	72.4	62.9	59.9	56.3	52.2	43.4	48.1	57.2	59.7	66.6	65.4	93.9
PNLT	112.4	110.4	108.0	105.2	102.8	100.5	103.3	105.5	107.9	108.9	108.2	130.6
LA	97.5	95.6	93.8	89.6	87.8	86.0	88.2	91.8	94.2	95.2	93.7	120.5
SPL	111.3	108.5	105.7	100.1	94.1	92.7	96.8	99.5	104.0	107.8	98.6	133.9

RPM = 420., Collective = 6.0 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.8	87.3	77.8	73.4	63.0	74.6	62.7	66.4	73.0	86.3	55.0	79.8
6.3	93.8	88.6	79.7	77.2	70.3	77.4	71.9	72.7	75.3	88.1	69.9	118.4
8	93.1	88.8	80.9	76.9	69.6	76.3	71.3	71.9	75.1	88.0	69.4	118.3
10	93.1	89.5	80.2	77.0	66.9	75.2	70.8	70.0	76.4	87.7	66.2	118.9
12.5	93.1	89.7	82.0	78.1	69.1	77.6	80.3	80.5	83.4	89.7	79.8	121.6
16	92.5	90.2	81.6	77.9	67.9	76.7	80.1	80.3	83.0	88.8	79.7	122.6
20	92.5	90.9	82.6	78.2	69.7	71.7	71.7	74.3	79.1	87.4	71.4	124.6
25	107.5	105.1	102.7	97.5	82.4	86.6	88.8	94.6	100.2	103.9	89.7	125.9
32	106.1	104.3	101.9	96.8	81.7	85.7	88.1	93.9	99.5	103.0	88.8	126.1
40	93.6	90.5	83.9	76.5	75.9	75.3	72.1	78.4	83.3	88.9	79.4	124.9
50	100.4	96.4	91.9	84.9	88.7	83.3	77.9	80.5	82.6	96.8	90.0	125.1
63	100.2	96.0	91.8	84.8	88.6	83.1	78.3	81.5	83.1	96.5	89.8	124.5
80	90.1	91.1	88.3	76.4	79.5	81.3	83.3	89.6	91.2	92.0	81.8	123.9
100	88.6	88.0	84.7	77.1	74.7	74.3	76.1	82.7	85.0	87.1	79.2	123.4
125	89.8	89.4	86.1	80.6	76.4	74.6	76.9	83.4	86.1	88.5	81.4	122.7
160	88.9	87.6	84.7	77.6	77.6	77.2	78.2	84.3	86.3	88.9	83.2	121.9
200	89.7	88.8	85.4	80.0	79.2	78.6	83.2	85.1	87.7	89.5	82.8	120.7
250	88.2	88.1	84.8	79.4	77.5	78.9	80.6	85.2	87.7	89.2	82.8	118.7
320	88.7	87.8	85.9	77.5	78.5	78.5	79.4	86.7	88.8	89.3	85.5	117.8
400	87.5	86.1	84.7	82.2	75.3	74.0	81.3	85.4	87.1	88.5	84.5	116.4
500	86.5	84.1	83.1	77.2	77.8	77.3	77.7	83.9	85.3	86.9	83.4	115.1
630	86.8	83.5	82.8	78.3	75.8	76.1	82.0	84.1	84.8	86.3	84.5	113.7
800	87.4	84.5	82.9	78.7	77.2	78.4	79.3	83.0	84.9	86.3	84.2	113.3
1.0k	85.6	85.4	84.1	79.8	78.1	77.8	79.9	83.1	84.1	84.9	84.9	110.8
1.25k	85.0	83.3	82.8	78.7	76.9	77.2	79.6	82.9	83.8	84.8	86.2	109.0
1.6k	84.9	82.8	82.0	77.2	75.4	74.0	76.0	80.3	81.6	82.1	81.6	106.2
2.0k	83.2	81.8	80.1	77.0	75.7	74.2	74.5	79.0	80.5	80.9	81.4	103.9
2.5k	84.5	83.1	80.8	80.1	78.9	76.1	76.7	79.5	81.4	81.3	84.6	103.5
3.2k	86.1	83.6	80.7	80.5	78.6	77.3	78.1	80.2	82.2	82.3	84.1	103.9
4.0k	84.0	82.4	79.6	76.1	74.6	72.7	74.1	77.5	79.6	79.3	81.0	100.5
5.0k	85.5	83.7	80.9	76.6	74.3	71.8	73.0	79.0	80.6	79.1	81.2	100.7
6.3k	84.8	83.0	81.8	75.5	73.7	70.9	71.9	78.8	80.1	76.8	80.7	98.5
8.0k	86.7	82.8	82.6	75.4	72.4	69.6	71.8	79.7	80.1	74.5	81.3	100.0
10.0k	86.4	80.1	79.8	72.7	70.1	66.4	68.4	76.8	76.5	75.3	79.0	98.4
12.5k	85.0	75.1	74.8	68.3	64.4	60.9	63.4	72.5	72.0	78.5	76.1	97.4
16.0k	82.6	70.1	68.0	61.9	58.4	54.4	58.0	66.8	65.0	76.5	72.0	96.8
20.0k	74.1	63.9	61.1	56.5	53.5	46.0	50.6	60.4	61.2	69.0	66.8	95.3
PNLT	112.5	110.4	108.1	105.5	103.2	101.6	104.2	107.0	108.7	109.5	109.2	135.8
LA	97.5	95.4	93.8	90.0	88.3	87.2	89.2	93.1	94.5	95.2	95.1	121.9
SPL	111.8	109.2	106.4	101.1	94.7	94.0	95.4	100.4	104.5	108.4	99.3	135.8

RPM = 458., Collective = 0.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	57.0	54.4	53.9	55.5	50.8	53.4	56.3	52.9	52.4	60.6	58.6	61.4
6.3	59.0	57.4	58.9	57.5	54.2	54.9	59.2	53.3	53.4	62.0	59.1	64.5
8	61.4	60.3	59.5	57.8	53.4	55.8	59.4	56.0	57.6	64.9	60.0	75.2
10	65.1	63.4	62.2	62.0	57.8	56.3	62.6	60.1	62.5	67.2	60.5	64.1
12.5	67.6	63.9	63.3	64.7	61.2	61.2	65.4	64.4	64.3	70.2	63.0	68.2
16	66.1	65.5	62.1	62.5	58.9	57.8	62.7	61.9	65.3	69.3	64.4	81.9
20	67.1	66.5	65.6	65.9	60.6	56.3	61.4	59.7	62.6	69.3	62.9	76.0
25	85.8	82.9	80.1	76.5	65.7	71.6	74.6	76.9	78.6	84.3	81.6	95.8
32	101.4	98.7	95.7	92.2	79.7	87.3	89.9	92.6	94.2	99.6	97.2	111.4
40	81.9	79.0	76.1	73.8	64.9	68.7	71.1	72.1	73.8	78.4	76.8	90.8
50	80.0	78.0	71.5	71.4	66.2	68.3	69.7	76.7	76.3	72.3	78.6	97.3
63	95.9	93.9	85.0	85.4	80.3	84.2	85.4	93.7	93.0	88.8	95.3	114.0
80	85.7	84.7	84.6	73.6	75.0	69.0	74.7	79.6	87.2	90.5	81.1	98.1
100	94.3	93.5	93.5	81.4	83.7	75.5	83.4	87.6	96.1	99.2	89.1	105.6
125	96.4	93.4	88.3	86.5	85.2	83.3	83.4	90.7	93.3	93.8	89.6	106.4
160	92.9	89.4	86.8	78.2	76.7	79.1	76.1	87.1	89.0	92.8	77.7	97.7
200	89.0	88.3	85.9	80.2	75.0	74.5	80.1	83.2	87.2	89.8	79.4	97.2
250	86.7	84.8	81.3	76.8	76.0	75.1	76.9	80.3	83.8	87.0	79.5	97.1
320	89.2	87.0	84.4	75.9	78.6	74.6	75.5	82.5	86.0	89.1	84.0	99.4
400	88.7	86.9	84.2	79.7	73.5	72.2	78.4	83.3	86.3	89.3	83.4	99.7
500	88.2	85.8	83.8	76.7	75.8	74.3	77.9	83.5	86.5	89.1	82.5	100.4
630	86.8	84.9	82.7	76.8	73.2	74.3	77.7	83.1	84.9	88.0	82.0	100.1
800	85.8	84.4	82.0	76.8	74.2	79.8	79.5	84.6	84.7	87.0	81.7	99.9
1.0k	83.7	84.1	80.8	75.8	72.6	75.4	76.7	81.6	83.1	85.5	80.0	98.7
1.25k	83.1	83.3	81.0	75.6	72.2	74.6	76.4	81.3	82.8	84.7	79.2	95.2
1.6k	80.0	80.4	78.9	74.3	71.0	72.8	75.1	78.9	80.4	83.0	78.3	94.2
2.0k	77.0	78.8	77.7	74.1	70.6	71.7	74.0	78.3	79.3	81.6	77.6	93.3
2.5k	74.9	79.1	77.3	75.6	72.5	72.6	75.1	77.4	79.9	80.9	78.8	95.3
3.2k	70.9	77.6	76.0	75.7	71.2	72.8	75.7	76.7	78.2	79.4	78.3	96.6
4.0k	62.8	73.2	70.7	68.0	64.5	66.5	68.5	71.4	74.3	76.3	74.8	93.7
5.0k	68.1	71.9	68.9	65.6	63.0	64.8	65.4	70.7	73.3	75.8	73.6	95.5
6.3k	69.8	69.4	67.3	63.6	60.4	62.5	63.0	69.0	70.8	72.1	73.1	91.3
8.0k	67.5	67.1	64.6	60.3	56.8	59.1	60.8	66.3	67.8	71.2	69.9	89.2
10.0k	62.8	63.4	60.1	57.1	52.7	54.4	56.4	61.4	62.6	67.9	67.4	87.2
12.5k	62.7	57.8	53.9	53.5	47.5	48.2	52.3	55.0	57.7	62.4	63.7	84.9
16.0k	61.1	51.7	49.0	53.4	40.9	40.8	45.7	53.6	52.6	58.8	59.9	82.9
20.0k	57.0	48.8	45.8	54.4	35.8	35.8	42.3	54.5	51.2	60.3	55.0	79.1
PNLT	106.7	106.3	103.9	101.6	98.1	99.7	101.8	104.8	106.6	108.8	105.8	123.5
LA	94.0	93.2	90.9	86.3	83.3	84.9	86.8	91.3	93.2	95.6	90.6	108.2
SPL	105.2	102.9	100.0	95.2	90.8	91.9	94.1	99.3	102.0	104.7	101.0	117.7

RPM = 458., Collective = 0.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	56.2	52.7	51.1	57.5	57.8	46.5	49.4	49.6	51.7	56.9	51.9	88.0
6.3	58.6	57.4	57.4	59.8	59.8	52.2	53.3	54.6	55.3	60.6	53.2	92.0
8	67.6	65.9	67.0	65.2	63.8	63.0	63.8	66.5	67.3	69.7	59.5	95.3
10	65.4	62.9	61.3	63.5	61.2	55.2	62.4	59.9	62.8	66.2	56.3	92.0
12.5	67.8	64.4	62.9	65.3	62.9	60.1	64.1	64.2	64.1	68.9	60.7	92.2
16	69.3	68.2	66.4	64.4	61.7	56.0	59.4	60.2	63.5	68.3	63.0	92.9
20	67.2	65.8	66.2	66.2	62.3	56.6	61.2	62.0	64.7	69.5	63.1	91.7
25	85.0	81.3	78.3	76.3	65.5	71.8	75.9	76.9	78.5	84.4	82.9	97.1
32	100.4	96.8	93.7	91.5	75.2	87.1	90.8	92.0	93.4	99.2	98.1	111.0
40	81.7	78.5	75.3	74.3	65.7	72.0	72.4	74.7	77.2	80.5	77.8	92.6
50	82.0	80.6	75.1	72.7	66.6	68.6	70.8	77.1	77.3	75.7	79.1	97.6
63	97.1	95.9	88.7	86.6	75.5	82.3	85.3	93.5	92.7	86.1	95.5	113.3
80	85.2	84.1	84.1	73.1	74.4	69.9	74.8	79.9	87.0	90.8	80.3	97.5
100	93.0	92.1	92.4	79.7	82.7	76.1	82.9	87.4	95.6	99.0	87.6	104.5
125	96.2	93.2	89.0	86.8	84.8	82.8	84.0	90.4	93.1	94.0	88.5	103.7
160	91.3	87.8	86.0	80.2	76.3	79.4	76.3	87.0	88.0	91.4	80.6	97.2
200	89.0	88.3	85.7	80.1	75.9	74.2	81.8	82.5	86.5	89.3	79.8	98.8
250	85.6	85.1	81.2	77.0	74.9	74.7	76.9	80.4	83.3	86.1	79.0	96.2
320	87.3	85.7	83.9	76.1	77.3	74.1	75.6	81.9	84.8	86.8	83.5	98.4
400	86.7	85.4	83.8	81.0	72.7	71.9	78.0	82.2	84.4	86.5	81.3	98.0
500	86.3	84.0	82.5	76.3	74.5	74.1	76.8	82.0	85.0	87.1	80.5	98.9
630	85.2	83.8	81.5	76.5	72.5	74.0	77.1	81.8	83.5	86.2	80.6	98.9
800	84.8	83.7	82.0	76.9	73.4	80.4	79.9	84.1	84.1	85.9	81.2	98.7
1.0k	83.4	83.5	81.2	76.7	72.5	75.1	76.9	81.6	82.8	84.8	80.1	98.3
1.25k	82.6	82.4	80.9	76.0	72.0	74.0	76.4	80.7	82.6	84.4	78.8	94.9
1.6k	79.7	80.5	79.0	75.7	71.8	73.2	75.9	78.5	80.5	82.9	77.9	93.7
2.0k	76.0	78.9	77.5	75.4	71.7	72.3	74.6	77.9	79.6	81.0	77.8	93.0
2.5k	74.5	78.5	77.2	76.6	73.8	73.0	74.9	76.7	79.5	80.5	79.5	95.1
3.2k	71.7	77.7	77.5	76.5	73.2	74.1	75.3	76.8	78.4	79.9	78.9	96.2
4.0k	64.7	75.4	74.2	70.9	68.3	69.1	69.8	72.8	75.4	77.4	75.9	94.8
5.0k	70.6	74.7	72.4	68.8	66.8	67.3	67.4	72.1	74.6	76.6	75.0	96.6
6.3k	74.2	73.7	71.6	68.2	65.3	65.7	65.9	70.9	72.9	74.0	75.1	92.4
8.0k	72.8	72.3	70.1	65.7	62.6	62.6	63.7	68.7	70.6	72.7	72.6	90.6
10.0k	67.8	68.7	65.9	62.8	58.9	59.3	59.4	64.1	65.1	69.5	70.3	88.5
12.5k	67.5	63.3	60.2	57.9	54.0	52.0	53.8	57.4	60.1	62.6	66.4	86.4
16.0k	66.3	56.2	53.6	50.6	45.7	44.1	47.7	54.3	54.7	58.7	62.3	84.3
20.0k	60.0	49.9	48.2	54.2	37.2	36.6	42.1	54.5	52.8	59.4	56.4	80.4
PNLT	107.2	106.8	104.7	102.7	99.0	100.8	101.5	104.7	106.4	108.5	105.7	122.9
LA	93.0	92.6	90.9	87.1	83.7	85.3	86.9	90.8	92.7	94.7	90.4	107.7
SPL	104.5	102.3	99.3	95.3	89.9	91.7	94.6	99.0	101.4	104.3	101.3	117.1

RPM = 458., Collective = 0.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	56.2	52.1	53.1	55.6	52.1	44.6	46.2	48.3	53.4	60.8	53.6	94.4
6.3	60.8	57.6	59.0	58.7	56.2	52.4	54.2	55.1	57.0	63.4	57.3	97.3
8	68.5	65.9	67.4	65.8	63.2	64.0	64.9	67.1	66.5	70.6	64.7	102.1
10	65.6	62.7	62.4	63.5	59.5	54.6	62.2	59.9	63.1	67.8	59.4	103.1
12.5	67.5	64.0	63.3	64.4	60.8	59.7	63.8	64.7	65.6	69.8	62.2	102.1
16	71.3	68.7	66.8	63.7	59.7	62.8	70.5	72.6	75.0	73.8	71.0	105.3
20	68.7	67.6	67.0	67.0	61.3	56.9	62.6	64.2	66.8	71.7	64.3	103.0
25	82.1	78.1	73.8	73.3	66.0	71.6	75.1	75.6	77.0	82.6	82.5	103.9
32	97.2	92.5	86.3	86.8	77.1	87.1	89.5	89.5	90.3	96.5	98.1	109.6
40	81.7	78.5	75.0	73.0	67.0	70.3	72.1	72.5	75.3	79.2	78.2	100.7
50	84.7	82.7	78.5	74.0	71.2	70.3	72.3	76.7	80.1	82.6	79.4	100.2
63	97.9	95.8	88.9	86.6	77.3	81.4	84.8	92.4	93.2	93.6	94.3	110.8
80	86.1	85.4	84.8	74.3	75.0	71.7	74.5	80.0	85.8	89.8	79.9	99.4
100	93.4	93.2	93.1	80.8	83.1	76.6	81.7	86.2	94.3	98.1	87.7	104.3
125	96.1	92.2	88.1	85.2	84.7	81.7	82.2	89.6	91.8	92.8	88.5	100.4
160	93.1	91.5	88.8	79.1	79.9	79.2	77.7	86.7	88.6	93.0	82.7	98.8
200	91.8	90.7	88.4	83.9	77.6	78.1	83.4	85.1	89.7	91.3	82.3	99.5
250	89.4	87.6	84.6	80.1	77.6	77.0	78.5	82.8	85.6	87.9	80.2	97.8
320	90.3	88.4	85.9	78.3	79.3	75.8	77.4	83.4	85.9	88.8	84.2	99.0
400	89.3	87.9	85.5	81.8	74.4	73.5	79.3	83.2	85.7	88.2	81.7	98.4
500	88.2	86.5	84.5	77.4	76.6	74.3	77.4	82.4	84.8	87.2	81.0	98.3
630	86.9	85.3	83.2	77.7	73.5	73.5	77.1	81.7	83.3	86.3	80.7	98.0
800	86.2	84.9	82.9	77.8	74.7	79.6	79.6	84.0	84.1	86.0	81.2	98.4
1.0k	84.5	84.0	81.7	77.0	72.9	74.9	76.2	80.6	82.4	84.7	79.8	97.3
1.25k	84.1	83.5	81.4	76.2	72.6	73.8	76.0	80.1	82.0	84.4	79.2	94.3
1.6k	81.3	81.1	79.2	75.8	71.8	72.7	74.9	77.8	80.1	82.6	78.8	93.1
2.0k	77.4	79.6	78.1	74.8	72.2	71.8	73.7	76.9	78.8	80.4	79.1	94.1
2.5k	76.1	79.4	77.4	75.9	73.7	72.6	74.3	76.2	78.6	80.6	81.0	96.1
3.2k	73.5	79.5	78.1	77.1	73.4	74.2	75.5	77.3	78.9	80.9	81.2	97.8
4.0k	67.3	77.5	76.1	72.6	69.7	69.9	70.9	74.0	76.8	78.9	78.1	95.2
5.0k	74.2	77.4	75.2	71.4	69.2	68.6	68.9	73.7	76.5	78.7	77.5	97.2
6.3k	77.6	76.6	74.8	71.2	68.2	67.3	67.5	72.6	74.8	76.4	77.9	94.6
8.0k	75.9	75.0	73.3	66.8	65.8	64.4	65.5	70.4	72.5	75.1	75.4	92.5
10.0k	71.2	71.9	69.4	66.0	62.2	60.2	61.5	66.0	67.3	71.9	73.3	90.8
12.5k	70.9	66.8	64.1	60.8	57.4	54.0	55.7	59.2	62.7	65.7	69.3	88.5
16.0k	69.5	59.6	57.7	55.7	48.7	46.0	49.2	55.2	56.9	61.5	65.3	86.5
20.0k	62.5	51.7	52.0	54.0	39.8	37.4	42.1	54.5	54.6	61.4	58.6	82.9
PNLT	108.5	108.0	105.9	103.2	99.8	100.9	101.8	105.0	106.8	109.1	107.1	123.1
LA	94.8	94.2	92.1	87.7	84.6	85.2	86.9	90.8	92.7	95.1	91.5	108.0
SPL	104.4	102.2	99.1	94.2	90.9	91.6	94.0	98.2	100.9	103.9	101.1	117.1

RPM = 458., Collective = 0.0 deg, Blade Pressure Ratio = 1.3

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11	12
5	58.2	57.0	57.7	61.7	55.6	60.0	56.7	52.4	54.9	59.8	53.1	86.7
6.3	60.0	60.4	60.3	64.4	58.5	60.5	60.7	56.9	56.7	62.7	57.2	93.0
8	67.1	65.2	66.1	64.5	60.6	63.1	63.5	63.4	63.6	66.1	64.2	101.1
10	65.7	64.1	65.0	65.4	60.7	61.8	65.1	61.8	63.5	66.6	59.4	94.0
12.5	69.2	66.7	65.9	66.9	62.0	62.0	66.2	66.5	67.9	70.5	65.4	96.2
16	80.0	78.0	74.9	70.7	61.4	68.9	76.1	77.9	80.0	80.5	76.9	106.2
20	69.4	68.3	67.7	68.2	63.0	59.6	64.4	64.9	67.2	70.0	65.6	96.3
25	82.6	79.6	72.9	71.2	68.9	72.2	75.7	74.2	75.0	80.9	83.3	100.4
32	97.9	94.6	85.0	83.4	83.4	87.7	91.1	88.8	88.3	95.6	98.8	111.6
40	83.3	79.8	75.8	73.1	69.3	71.0	72.3	73.3	76.0	79.6	78.5	98.0
50	86.9	82.9	78.8	74.3	71.8	70.6	71.2	73.6	77.8	82.2	78.2	99.3
63	94.8	91.5	84.6	86.0	79.9	77.0	79.6	86.8	88.1	90.0	91.2	108.1
80	86.1	84.7	83.3	74.7	74.1	73.2	75.0	80.2	85.4	89.0	80.2	99.3
100	92.9	91.9	91.0	81.0	81.2	78.8	81.8	87.2	93.6	97.2	87.4	103.1
125	93.9	91.2	87.9	84.3	83.6	79.8	81.2	88.6	90.9	92.3	88.4	101.8
160	92.8	91.1	88.4	79.1	80.2	78.6	77.8	86.2	88.1	92.8	82.7	100.3
200	92.7	91.4	88.9	84.8	78.8	79.2	85.7	87.0	90.4	91.9	84.2	102.4
250	89.5	88.0	85.3	81.8	79.0	79.5	80.4	84.9	87.0	88.9	83.2	99.3
320	89.9	88.5	86.4	79.3	78.6	78.0	78.9	85.3	87.8	88.9	86.9	101.5
400	88.8	88.0	86.4	82.7	75.5	74.9	81.4	85.0	87.1	88.7	83.5	99.8
500	87.2	86.2	85.3	78.7	77.9	76.1	78.3	84.3	86.3	88.0	82.0	99.6
630	86.2	84.8	83.8	78.8	74.5	74.8	78.5	83.1	84.7	86.8	81.9	99.1
800	85.6	84.6	83.7	78.8	75.9	80.0	80.2	84.8	84.9	86.6	82.3	99.3
1.0k	84.0	83.6	82.4	78.0	74.3	75.8	77.7	81.8	83.5	85.1	81.2	97.6
1.25k	84.2	83.1	82.0	77.1	74.1	75.3	77.5	81.7	83.4	85.2	81.0	95.3
1.6k	81.7	81.3	79.9	76.0	73.4	74.2	76.1	79.2	81.3	83.6	80.7	94.5
2.0k	78.3	79.9	79.0	75.7	73.5	73.2	74.5	78.5	80.2	81.6	80.9	94.6
2.5k	77.1	80.0	78.5	77.1	75.1	73.6	74.9	77.8	80.0	81.6	82.3	97.5
3.2k	75.2	80.8	79.2	78.5	74.9	74.9	76.3	78.4	80.3	81.8	81.8	98.8
4.0k	69.4	79.3	77.5	74.5	71.4	70.9	72.3	75.6	78.4	79.8	78.7	95.2
5.0k	75.8	78.7	76.5	72.8	70.6	69.9	70.4	75.1	77.7	79.3	78.5	97.5
6.3k	79.8	78.3	76.3	72.7	69.8	68.8	69.2	74.2	76.4	78.1	79.3	95.9
8.0k	77.8	76.7	75.0	70.5	67.2	66.0	67.3	72.2	73.9	76.3	76.6	93.8
10.0k	73.4	73.6	71.3	67.8	63.8	61.7	63.0	67.7	69.0	72.9	74.3	92.0
12.5k	72.7	68.6	66.1	62.4	59.0	55.8	56.7	61.0	64.5	66.3	70.6	89.9
16.0k	71.4	61.6	60.1	56.7	51.4	47.8	50.4	56.4	58.6	60.7	66.6	87.8
20.0k	64.9	53.7	56.0	54.1	42.7	38.5	43.5	55.2	56.2	61.5	60.0	84.5
PNLT	108.5	108.4	106.6	104.2	100.4	101.6	102.9	105.5	107.7	109.6	108.0	124.0
LA	94.6	94.3	92.8	88.8	85.8	86.2	88.1	92.1	94.0	95.7	92.8	109.0
SPL	103.8	101.7	98.6	94.1	91.6	92.0	94.9	97.9	100.4	103.4	101.3	116.8

RPM = 458., Collective = 0.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	80.0	67.2	55.2	54.0	55.9	52.6	52.5	51.7	54.1	74.3	52.3	88.3
6.3	79.6	69.2	57.6	56.4	59.4	56.0	56.1	57.1	58.0	75.0	57.4	94.8
8	81.7	69.5	61.6	60.8	61.1	61.1	62.6	64.5	66.7	76.0	59.4	104.5
10	82.9	71.2	61.2	61.3	61.2	57.4	63.6	61.4	65.4	75.4	58.6	96.0
12.5	83.3	73.4	66.7	64.8	62.5	61.3	66.6	67.0	68.9	74.8	66.9	96.0
16	87.2	82.5	80.3	76.2	68.8	71.3	78.4	79.9	81.7	82.2	80.3	103.4
20	84.6	73.8	68.5	67.1	63.3	60.2	65.4	65.8	68.7	75.3	67.5	98.2
25	87.2	82.8	76.4	69.2	71.2	72.5	77.2	74.6	76.1	82.7	84.5	102.6
32	99.3	97.3	91.1	83.0	85.9	87.7	92.2	89.0	89.9	96.6	99.8	112.1
40	86.2	81.5	76.9	73.7	71.6	71.8	73.4	74.3	77.2	81.3	79.2	100.7
50	88.2	84.4	80.3	75.2	75.8	73.0	73.2	73.7	77.7	84.1	79.4	100.9
63	95.4	91.9	85.6	87.3	83.7	73.6	77.8	83.6	87.0	92.2	91.4	108.1
80	86.3	84.0	82.3	75.1	73.4	76.0	76.1	81.4	86.0	88.5	79.9	100.4
100	90.2	89.7	89.4	80.0	80.2	79.0	81.2	86.3	92.9	95.9	85.9	101.8
125	91.8	89.7	86.4	83.2	82.2	80.1	80.2	87.9	90.7	92.7	85.7	99.6
160	91.9	90.3	86.9	80.2	78.5	79.7	77.3	86.9	88.4	90.2	78.9	97.1
200	90.5	89.1	87.6	83.9	79.2	78.5	80.7	86.4	89.7	91.1	81.4	99.6
250	88.8	86.8	84.2	80.8	77.4	77.9	79.5	84.0	86.6	88.4	80.6	97.1
320	89.5	87.6	86.1	78.7	78.1	77.5	78.8	85.4	87.5	89.1	85.9	99.8
400	88.5	86.8	85.4	82.7	75.1	75.5	81.2	85.3	87.1	88.4	81.7	97.8
500	86.6	85.1	84.6	78.3	77.6	76.7	77.9	84.1	86.3	87.3	81.3	97.6
630	85.1	84.1	83.4	79.2	74.8	75.3	79.3	83.6	84.2	85.9	81.5	97.8
800	84.8	84.0	83.5	79.7	76.3	79.8	81.0	84.9	84.7	85.7	82.6	98.3
1.0k	83.0	82.8	82.1	78.8	75.2	76.6	78.5	82.4	83.2	84.2	82.0	96.3
1.25k	82.7	82.2	81.4	77.7	75.2	76.0	77.8	81.8	82.9	84.3	81.9	94.5
1.6k	81.2	81.2	80.5	77.3	75.1	75.2	76.3	79.7	81.6	83.2	81.6	94.5
2.0k	77.6	79.8	79.6	76.6	75.1	73.9	74.9	78.9	79.9	81.0	81.8	95.4
2.5k	76.5	80.2	79.3	78.2	76.8	74.1	75.3	78.1	80.0	81.3	82.6	97.9
3.2k	75.7	81.7	80.3	79.5	76.5	75.2	76.4	79.1	80.6	82.0	82.1	99.3
4.0k	69.9	80.8	79.3	75.6	73.0	71.3	72.7	76.5	79.0	80.2	79.2	95.3
5.0k	76.0	80.5	78.3	74.5	72.4	70.5	70.8	76.1	78.5	79.9	79.1	97.5
6.3k	80.7	80.3	78.5	74.6	71.8	69.8	70.3	75.7	77.5	78.9	80.4	97.0
8.0k	80.1	79.1	77.4	72.7	69.6	67.1	68.5	73.8	75.7	77.8	77.7	94.8
10.0k	76.0	76.5	74.4	70.5	66.8	63.0	64.9	69.8	71.2	74.8	75.5	93.4
12.5k	74.5	71.5	68.9	65.0	61.5	57.3	58.7	63.2	66.5	68.7	71.8	91.6
16.0k	73.7	64.7	62.0	58.5	53.1	49.0	51.8	58.2	60.4	62.2	67.8	89.9
20.0k	67.3	56.2	55.7	54.5	43.6	39.2	44.2	56.0	57.9	62.7	61.3	86.9
PNLT	107.6	108.6	107.1	104.9	101.5	101.7	103.0	105.9	107.9	109.6	108.2	123.9
LA	94.0	94.0	92.9	89.5	86.8	86.6	88.4	92.4	93.9	95.3	93.1	108.7
SPL	104.0	101.9	98.6	94.1	92.4	92.2	95.4	97.7	100.2	103.3	101.8	116.8

RPM = 458., Collective = 0.0 deg, 8 ade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	80.3	66.2	56.9	53.3	53.5	56.3	62.7	66.3	71.9	75.3	60.7	99.7
6.3	82.0	67.8	59.4	56.7	56.5	58.1	66.8	69.1	74.7	77.3	61.5	102.9
8	84.0	68.8	65.2	62.3	63.5	62.3	67.8	68.0	75.1	77.6	63.3	109.3
10	83.9	69.7	64.6	64.8	61.4	59.0	69.2	68.6	76.7	78.8	64.4	104.6
12.5	83.3	71.8	68.5	67.6	63.3	63.1	70.4	71.3	77.1	79.4	69.5	105.9
16	86.2	82.7	81.8	78.9	72.3	72.5	80.1	80.3	84.1	84.6	82.5	109.0
20	82.7	72.7	69.8	68.3	63.7	62.5	68.9	71.6	77.3	80.1	69.2	108.2
25	87.7	85.2	80.8	72.5	72.8	73.5	77.7	75.8	79.6	83.1	84.8	108.4
32	101.2	100.6	95.8	86.0	88.0	89.0	92.7	88.2	88.7	94.8	100.2	114.9
40	86.1	82.3	78.3	73.5	72.5	72.8	74.3	74.9	79.1	82.3	80.0	107.0
50	88.8	84.5	80.8	76.2	77.0	75.4	74.2	77.3	80.9	85.8	80.4	105.9
63	94.6	92.0	87.4	88.8	85.8	77.4	79.4	87.3	91.6	96.4	91.9	111.5
80	86.2	83.6	82.8	75.7	74.2	76.7	78.1	84.0	87.5	88.9	81.6	104.6
100	90.7	90.3	90.1	81.1	80.8	79.5	82.9	88.6	93.6	95.6	85.7	104.2
125	90.7	88.9	85.1	81.9	81.5	80.9	81.9	88.0	91.9	93.1	86.4	103.2
160	91.0	89.0	85.7	80.1	77.8	81.6	81.9	89.4	90.4	92.2	84.3	102.8
200	89.9	89.1	87.7	84.2	79.9	83.2	87.9	89.0	91.8	92.8	86.6	104.1
250	88.4	87.2	85.0	81.9	78.8	81.9	83.8	87.9	89.8	91.1	84.8	101.2
320	89.5	88.2	86.3	79.6	79.7	81.1	82.6	88.8	90.8	91.3	87.6	102.4
400	88.8	88.0	86.1	83.7	76.3	76.9	84.6	88.2	89.8	92.7	84.9	100.9
500	87.5	86.6	85.7	80.2	79.7	79.5	81.7	87.2	89.2	89.2	83.9	100.5
630	86.0	85.6	85.1	80.9	76.8	76.9	81.5	85.2	86.3	87.6	84.2	100.1
800	86.2	86.0	85.3	81.5	78.4	81.4	83.4	86.3	86.7	88.0	85.4	100.6
1.0k	85.0	85.3	84.5	81.1	78.1	79.7	82.1	84.4	85.6	86.5	85.9	97.8
1.25k	84.5	84.5	83.4	79.8	77.0	78.9	81.1	83.9	85.3	86.1	85.9	96.5
1.6k	82.5	83.1	82.2	79.0	76.9	77.4	78.7	81.4	83.5	84.3	84.4	96.0
2.0k	78.7	81.2	80.8	77.9	76.4	75.8	76.5	80.5	81.7	82.1	84.0	96.7
2.5k	77.3	81.2	80.2	79.3	77.8	75.2	76.8	79.2	81.3	81.8	84.2	98.3
3.2k	76.3	82.3	81.1	80.5	77.6	76.6	78.0	79.8	81.5	82.6	83.4	100.2
4.0k	71.0	81.2	80.0	76.7	74.3	73.0	74.1	77.4	80.0	80.9	80.5	96.5
5.0k	77.4	80.9	79.0	75.7	73.8	71.8	72.3	76.8	79.5	80.6	80.3	98.6
6.3k	81.6	81.0	79.1	75.6	72.8	71.1	71.3	76.4	78.6	79.8	81.5	98.5
8.0k	81.2	79.8	78.1	73.8	70.6	68.6	69.7	74.8	76.7	79.3	79.2	96.0
10.0k	76.9	77.2	75.1	71.6	68.2	65.0	66.3	71.4	72.6	76.3	77.2	95.0
12.5k	76.3	72.2	69.8	66.0	62.7	59.3	60.5	65.4	68.4	70.5	73.5	93.8
16.0k	75.1	65.3	63.9	59.5	53.6	51.3	53.8	60.6	62.8	65.2	69.6	92.1
20.0k	69.2	57.1	59.3	54.8	44.2	43.4	46.2	58.4	60.4	65.4	63.2	90.2
PNLT	108.3	109.4	108.0	106.0	103.8	103.3	105.0	107.5	109.5	110.8	109.3	125.6
LA	94.9	95.3	94.2	90.9	88.4	88.8	91.0	94.4	96.0	96.9	95.5	110.3
SPL	104.7	103.6	100.4	95.6	93.8	94.1	97.2	99.6	102.2	104.3	102.7	120.8

RPM = 458., Collective = 0.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	87.9	77.0	67.7	55.5	53.3	67.5	66.9	64.3	72.6	82.1	57.4	99.4
6.3	89.8	76.8	70.2	58.1	56.5	67.4	68.9	67.1	73.7	82.3	59.3	103.3
8	88.0	77.9	72.3	63.1	61.2	68.3	70.3	68.5	75.4	83.6	66.9	113.5
10	88.7	78.2	71.6	65.8	61.5	68.9	70.7	69.1	76.6	83.8	63.0	104.0
12.5	88.0	77.7	73.7	68.6	64.2	69.7	72.2	71.6	76.4	83.2	70.2	104.3
16	88.6	85.0	84.0	80.7	74.4	75.3	81.7	82.7	85.2	86.5	84.3	110.7
20	88.8	79.1	73.7	69.0	65.3	67.5	70.8	70.4	77.2	81.4	70.2	106.3
25	91.2	87.3	82.6	75.4	74.1	73.4	77.2	74.7	80.7	86.5	85.3	109.1
32	102.5	101.8	97.7	89.3	89.4	88.1	91.1	85.8	91.8	98.3	100.7	115.6
40	89.8	83.9	79.8	74.5	73.0	72.9	74.1	74.3	79.1	84.1	80.9	109.1
50	90.3	85.9	82.2	77.1	77.5	74.9	74.9	75.7	79.6	86.2	82.0	106.9
63	97.9	95.6	90.1	90.6	88.4	75.4	78.5	83.6	89.0	95.7	93.6	114.0
80	89.2	85.4	83.9	76.7	74.6	76.3	77.4	83.0	87.5	89.6	81.1	105.1
100	93.1	91.8	90.9	81.8	80.9	79.4	83.2	88.0	93.7	96.2	86.6	104.4
125	94.2	90.5	86.4	82.3	80.7	81.0	80.8	88.8	92.6	94.4	83.9	102.6
160	93.5	91.8	89.0	81.9	79.3	79.0	78.3	87.6	89.6	92.2	81.7	102.0
200	95.2	93.4	90.9	86.8	81.8	78.9	84.5	86.0	89.5	92.2	83.5	102.1
250	94.8	92.7	89.9	86.1	83.0	78.8	81.0	84.9	87.9	90.5	82.4	100.2
320	95.8	94.0	91.7	83.5	83.2	79.7	79.8	86.3	88.9	91.0	86.5	101.4
400	94.7	93.6	91.6	88.4	80.6	75.8	82.5	86.4	88.6	90.8	84.8	99.6
500	92.4	91.4	90.5	83.6	83.3	79.0	80.4	85.9	88.3	90.2	84.7	99.1
630	90.6	89.4	87.9	83.8	79.1	77.7	82.0	86.0	87.3	89.3	85.8	99.5
800	90.4	89.2	87.9	84.0	80.8	81.1	83.2	87.3	88.1	89.8	87.0	101.1
1.0k	90.1	90.1	88.4	84.5	81.6	81.6	83.8	86.9	87.6	89.0	87.8	98.3
1.25k	88.0	88.6	87.1	84.5	81.9	81.7	83.3	86.0	86.5	88.2	89.2	96.8
1.6k	85.6	86.3	84.6	82.3	80.3	78.5	80.1	82.8	84.7	86.1	85.9	96.6
2.0k	82.3	84.4	83.0	80.2	79.1	76.7	77.6	81.8	82.7	83.9	85.3	97.5
2.5k	81.2	84.1	82.2	81.3	79.7	76.3	77.9	80.5	82.1	83.8	85.3	98.6
3.2k	80.2	84.6	82.6	81.7	78.7	77.4	78.9	81.1	82.5	84.6	84.4	99.7
4.0k	75.7	83.6	81.4	77.8	75.3	73.8	75.3	78.8	81.1	82.9	81.7	96.9
5.0k	79.5	83.2	80.3	77.0	74.4	72.7	73.2	78.3	80.7	82.5	81.4	98.6
6.3k	83.5	82.9	80.4	76.7	73.8	72.0	72.4	77.9	79.9	81.7	82.4	98.2
8.0k	83.6	82.0	79.6	75.3	72.0	69.8	70.9	76.6	78.2	81.2	80.6	96.8
10.0k	80.0	79.7	76.9	73.2	69.1	66.3	67.6	73.1	74.1	78.6	78.7	96.2
12.5k	78.6	75.1	71.7	67.8	64.2	60.5	61.9	66.7	70.1	73.1	74.8	95.0
16.0k	77.7	69.6	65.4	61.9	55.5	52.5	55.2	61.5	64.5	68.3	70.9	94.3
20.0k	72.2	63.9	59.8	57.8	46.2	44.0	46.6	58.4	62.2	68.2	64.6	91.7
PNLT	112.3	112.4	110.3	108.2	105.7	102.6	105.2	109.0	110.0	112.2	110.2	125.5
LA	99.3	99.1	97.3	93.8	91.1	89.6	91.5	95.1	96.5	98.4	97.0	110.3
SPL	107.8	106.1	103.1	98.2	95.9	93.6	96.1	98.9	102.0	105.3	103.4	121.9

ORIGINAL PAGE IS
OF POOR QUALITY

RPM = [illegible]58., Collective = 0.0 deg, Blade Pressure Ratio = 1.7
Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	88.5	80.2	70.0	64.5	60.3	64.1	67.3	62.3	73.3	78.1	55.9	96.5
6.3	89.9	80.6	73.1	65.5	61.5	64.5	67.1	66.4	71.8	78.8	60.2	101.9
8	88.7	81.8	74.9	67.5	65.1	65.7	68.9	68.0	74.5	80.2	67.3	112.3
10	88.5	82.5	74.6	67.6	63.2	66.1	72.9	68.1	74.9	79.3	63.3	102.4
12.5	88.7	81.6	75.0	70.7	65.4	66.5	72.3	71.6	76.6	80.4	70.9	103.0
16	89.8	84.3	83.8	81.0	76.4	75.0	82.2	83.4	85.7	65.[illegible]	84.6	107.9
20	89.4	82.3	75.3	70.6	66.7	60.1	71.1	71.2	76.6	79.7	71.6	105.2
25	92.9	90.1	85.1	77.4	76.3	73.9	77.8	79.5	82.3	[illegible]	86.6	109.6
32	105.2	104.7	103.1	91.5	91.5	88.6	90.3	85.3	94.6	102.6	101.7	117.6
[illegible]	89.6	85.4	80.8	75.0	74.[illegible]	73.4	74.2	74.9	79.2	83.8	81.7	107.8
50	91.8	86.2	82.3	77.9	77.5	75.9	75.1	77.5	82.5	86.1	83.4	106.6
63	99.9	97.9	91.3	92.2	86.7	80.0	80.9	87.8	87.1	94.8	95.2	115.5
80	89.2	85.1	83.6	76.3	74.7	76.0	87.1	[illegible]	86.6	[illegible]	81.5	104.2
100	92.9	90.4	89.9	79.9	81.3	78.5	82.0	86.6	92.7	96.1	86.5	104.4
125	93.7	92.3	88.6	84.0	83.3	81.2	82.7	88.8	92.8	94.8	85.1	102.0
160	93.7	91.2	88.3	81.9	79.4	79.2	79.3	87.6	89.4	91.4	82.8	101.9
200	93.7	92.5	90.5	86.3	81.3	79.6	84.1	86.0	89.7	91.9	84.0	102.3
250	92.9	91.5	88.8	84.8	82.0	79.6	8[illegible].5	85.5	88.5	91.1	83.4	100.7
320	94.4	92.9	91.1	82.8	82.9	79.5	80.3	87.3	89.9	92.1	88.0	102.6
400	93.7	93.2	91.6	88.1	80.7	76.5	83.6	87.5	89.8	92.1	86.9	100.8
500	92.3	91.9	91.3	84.0	83.7	80.0	81.6	87.7	89.8	91.8	86.8	100.4
630	90.3	90.5	89.9	85.0	80.0	78.8	83.4	87.6	89.1	90.9	87.8	100.4
800	90.8	90.3	89.9	85.1	81.9	82.7	84.3	89.0	90.3	91.3	89.0	102.2
1.0k	91.8	92.4	90.9	86.0	82.8	83.6	85.2	88.7	90.2	91.2	90.2	100.9
1.25k	89.6	90.9	90.7	86.8	84.5	84.6	85.9	89.2	90.1	90.4	92.3	98.4
1.6k	86.9	88.0	87.5	83.9	81.7	81.1	82.3	85.9	87.5	87.6	89.0	97.9
2.0k	83.0	85.9	85.5	81.8	80.1	78.7	79.8	84.5	85.1	85.6	87.5	98.5
2.5k	81.7	85.7	84.7	82.9	81.0	78.1	79.9	83.0	84.5	85.1	87.0	99.8
3.2k	80.3	85.9	84.9	83.4	79.9	79.1	80.6	83.2	84.7	85.7	85.8	100.6
4.0k	74.5	84.8	83.7	79.4	76.6	75.1	75.9	80.5	82.9	83.6	83.2	97.8
5.0k	79.5	84.3	82.6	78.5	75.6	73.8	74.7	79.8	82.3	83.2	82.6	99.0
6.3k	84.1	84.2	82.6	78.3	75.1	72.8	73.9	79.4	81.4	82.2	83.0	98.4
8.0k	84.7	83.4	81.7	76.7	73.1	70.6	72.5	78.0	79.7	82.2	81.6	97.9
10.0k	81.5	80.9	78.5	74.6	70.[illegible]	67.1	68.9	74.5	75.6	79.3	79.5	97.6
12.5k	80.1	76.3	73.6	69.3	65.3	61.6	63.3	68.7	72.0	73.5	75.7	96.7
16.0k	79.5	69.6	67.8	63.5	56.5	53.5	57.3	64.4	66.8	67.9	71.8	96.3
20.0k	73.6	61.6	62.8	60.1	46.4	44.5	52.1	61.7	64.6	68.9	65.4	94.0
PNLT	112.1	113.4	112.1	109.3	106.[illegible]	104.1	106.5	109.8	111.7	113.2	111.8	126.3
LA	99.6	100.2	99.3	95.1	92.8	91.5	93.2	97.2	98.7	99.8	99.3	111.4
SPL	108.9	107.8	104.5	99.2	96.7	94.7	96.7	100.1	103.0	106.4	104.7	122.4

RPM = 458,, Collective = 1.5 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	58.2	52.3	49.5	52.8	49.5	55.6	58.0	50.6	56.8	62.4	51.0	81.4
6.3	61.7	54.4	52.6	54.0	52.8	58.0	58.9	52.5	57.9	64.1	51.4	83.5
8	64.2	55.8	54.6	55.1	54.5	58.5	59.5	54.9	59.7	65.3	55.5	84.0
10	67.0	62.0	61.3	61.8	58.7	59.5	63.9	59.9	64.8	68.7	56.0	84.0
12.5	69.6	63.1	62.5	63.9	60.1	62.4	64.3	63.8	65.3	70.6	60.9	83.7
16	70.7	66.2	63.5	62.3	58.4	59.5	62.6	62.3	66.3	70.8	63.5	84.3
20	69.2	65.3	65.9	65.1	62.8	58.7	59.9	59.2	63.5	69.5	61.2	82.2
25	87.5	82.1	78.8	75.6	63.6	72.2	73.4	76.9	79.4	85.0	81.0	96.2
32	103.1	97.7	94.3	90.9	74.7	87.5	88.7	92.5	95.0	100.5	96.7	111.6
40	83.6	78.4	75.8	73.7	65.4	69.3	71.6	72.5	74.8	79.3	76.6	91.1
50	82.9	79.5	75.3	72.0	64.0	69.2	70.9	77.2	77.7	75.9	76.7	97.0
63	98.6	95.6	89.9	85.7	69.5	84.9	86.3	93.9	94.3	89.7	93.4	113.4
80	88.2	86.6	86.0	76.1	76.4	78.8	72.2	84.9	86.9	89.7	78.9	99.3
100	96.7	95.1	94.8	84.2	85.3	77.3	79.8	89.0	95.7	98.6	86.8	107.3
125	97.1	93.5	90.0	87.5	85.1	83.0	83.5	92.1	92.8	94.7	89.7	101.6
160	95.3	90.3	89.4	81.1	79.1	80.5	78.0	87.2	88.4	92.1	82.3	98.0
200	92.1	88.9	87.1	82.3	78.4	73.6	81.7	81.6	86.8	89.4	76.7	96.0
250	86.4	82.8	79.9	76.1	74.5	73.4	74.0	77.1	81.9	83.4	75.7	93.8
320	88.2	83.9	81.1	74.7	76.6	70.2	72.3	77.3	81.0	81.9	80.7	95.3
400	87.7	83.2	81.4	78.2	69.9	67.4	74.6	77.6	79.4	81.7	77.8	93.3
500	85.3	81.3	79.6	73.2	71.8	68.8	71.3	77.3	79.5	81.4	77.3	93.7
630	84.4	80.4	78.5	73.8	69.7	70.0	72.6	77.6	79.6	81.1	76.3	94.8
800	85.1	81.3	78.8	74.3	72.6	75.8	74.5	79.7	81.3	81.8	78.1	97.2
1.0k	83.5	80.3	78.9	76.0	71.5	73.9	75.6	79.0	80.1	80.9	77.5	98.6
1.25k	85.7	82.1	79.9	76.0	72.4	72.4	76.2	79.0	81.4	83.4	78.4	93.1
1.6k	83.7	80.6	78.4	74.8	72.1	71.6	75.6	76.8	79.1	80.9	79.2	94.9
2.0k	84.0	79.8	78.2	75.6	73.0	72.8	74.2	77.3	79.9	80.9	81.1	94.6
2.5k	87.6	83.4	81.2	79.3	76.6	75.5	78.0	80.9	83.8	85.1	83.4	97.3
3.2k	81.5	79.8	83.3	83.7	81.7	81.4	82.7	83.7	84.3	84.1	91.3	99.5
4.0k	75.7	73.4	72.6	69.8	69.7	71.5	69.9	71.4	73.8	75.9	83.8	94.7
5.0k	73.9	72.7	70.2	67.9	64.9	66.2	68.3	70.4	73.2	75.0	75.8	96.4
6.3k	68.2	70.9	70.1	67.1	64.3	65.2	67.6	70.3	70.5	70.4	74.9	92.7
8.0k	65.1	66.2	65.3	64.0	62.7	61.5	63.5	65.3	65.6	68.8	75.2	91.2
10.0k	64.0	61.2	60.3	61.3	57.3	57.8	59.7	59.2	59.8	65.2	73.5	89.2
12.5k	66.7	58.8	55.1	56.9	52.3	51.2	54.7	55.5	60.9	61.9	69.6	86.8
16.0k	64.5	59.9	52.2	54.3	45.3	45.5	49.4	54.9	60.5	64.4	66.9	84.6
20.0k	59.6	55.5	50.1	54.5	41.0	36.7	43.6	55.0	55.0	59.1	60.2	81.2
PNLT	112.4	108.6	108.7	107.6	104.9	104.3	106.2	108.6	108.2	109.9	113.3	124.4
LA	95.8	92.2	91.0	88.7	86.2	86.1	87.8	90.4	91.7	93.2	94.9	107.8
SPL	106.9	102.9	100.4	95.5	91.2	92.2	93.6	99.3	101.7	104.5	100.6	117.2

RPM = 458., Collective = 1.5 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	70.1	60.7	52.6	57.8	52.7	46.1	58.3	59.8	66.8	70.7	52.1	97.3
6.3	72.5	62.5	56.1	60.9	54.8	51.2	60.7	62.9	69.1	72.0	53.7	100.5
8	75.3	66.3	64.7	66.0	61.6	61.8	65.6	68.6	71.3	75.8	61.0	104.5
10	76.4	67.4	62.8	64.4	60.3	55.5	64.2	67.3	71.7	75.1	55.9	105.9
12.5	75.7	67.2	62.4	64.8	60.6	60.0	63.9	68.7	72.1	77.0	61.3	105.9
16	75.6	68.6	65.5	65.9	61.4	63.7	70.4	72.0	76.1	78.8	68.3	106.3
20	75.2	67.9	66.0	65.1	61.0	56.6	63.3	67.5	72.8	77.8	63.2	106.1
25	84.7	78.0	71.6	71.5	65.6	71.8	74.1	76.2	79.1	84.0	81.8	105.7
32	99.6	92.9	83.9	84.6	76.9	87.3	88.7	90.0	92.8	97.8	97.5	110.8
40	83.0	77.4	74.4	72.7	67.0	70.7	71.7	72.9	76.3	80.6	77.1	102.7
50	83.3	79.7	76.6	71.9	68.2	69.2	71.0	76.7	79.1	82.0	77.3	101.1
63	96.7	93.6	88.5	82.4	72.5	83.4	85.4	93.0	94.1	94.0	92.7	110.4
80	89.4	86.8	85.9	76.6	76.3	72.4	72.6	81.6	86.8	89.4	77.8	100.0
100	97.9	95.4	94.6	85.0	85.2	78.0	79.1	89.0	95.1	98.1	84.8	105.2
125	96.3	92.1	88.6	86.5	83.4	83.2	81.9	90.1	92.8	92.4	87.3	100.0
160	94.9	90.1	89.0	82.0	78.4	79.2	78.2	86.8	88.4	91.4	79.9	98.7
200	91.5	89.2	87.6	82.7	79.7	76.3	82.9	83.5	88.3	89.3	79.4	97.4
250	88.0	84.6	82.5	78.7	74.9	76.7	76.7	82.1	84.8	86.2	77.6	95.4
320	89.3	85.8	83.2	76.3	77.2	74.8	77.3	82.8	84.8	85.7	82.0	97.6
400	88.8	84.6	83.0	80.4	71.7	71.6	79.0	82.5	84.1	84.6	79.7	95.4
500	86.3	82.8	81.5	75.3	73.9	72.7	74.3	81.0	83.3	83.9	78.1	95.5
630	85.9	81.7	80.0	75.6	70.8	71.5	75.4	79.8	81.9	83.2	78.2	96.4
800	86.4	82.4	80.3	75.8	73.1	75.2	76.3	80.6	83.2	83.4	79.8	98.4
1.0k	84.9	81.4	79.9	76.0	73.1	74.1	76.1	79.5	81.2	81.8	79.1	98.9
1.25k	86.2	82.1	80.3	75.7	72.3	73.5	76.3	79.4	81.6	83.4	79.1	93.7
1.6k	83.7	80.4	78.4	74.8	72.1	72.5	75.3	77.2	79.1	80.5	80.1	95.1
2.0k	84.4	79.1	78.1	75.0	72.5	72.9	73.6	77.1	79.0	81.3	81.0	95.0
2.5k	86.5	83.3	81.2	79.3	75.9	75.5	77.5	80.2	84.0	84.4	84.1	97.8
3.2k	87.9	80.5	82.7	82.9	81.1	82.2	82.8	82.8	83.5	86.4	90.7	100.5
4.0k	79.3	76.5	75.6	72.4	71.6	71.7	71.1	73.3	75.6	77.9	80.6	95.3
5.0k	78.1	76.7	74.4	72.2	68.7	69.0	72.5	72.7	75.9	77.8	77.8	97.3
6.3k	73.9	75.5	74.0	71.1	68.6	68.2	69.6	71.6	73.2	74.1	78.7	95.7
8.0k	70.5	72.5	71.3	69.3	65.5	65.0	66.7	68.3	69.2	71.5	76.8	93.8
10.0k	70.4	68.0	66.8	66.7	62.8	61.1	62.6	62.6	63.6	67.8	74.0	91.9
12.5k	73.5	64.8	62.3	62.2	57.6	54.6	57.3	58.1	63.3	64.6	71.3	89.4
16.0k	70.6	65.1	56.1	56.7	49.2	48.2	51.1	56.0	62.9	67.7	67.7	87.2
20.0k	64.1	60.4	52.3	54.1	41.8	41.9	44.6	55.2	57.1	61.7	61.4	83.9
PNLT	111.1	109.1	108.5	107.0	104.7	105.5	106.7	108.3	109.2	110.1	113.4	125.5
LA	96.4	92.8	91.6	88.8	86.2	86.8	88.3	90.8	92.6	93.7	94.7	108.7
SPL	105.6	101.6	99.1	94.0	91.0	92.0	93.8	98.6	101.3	103.7	100.6	118.1

RPM = 458., Collective = 1.5 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	84.5	73.8	64.6	63.4	52.1	64.7	67.6	64.7	75.5	80.6	60.3	104.7
6.3	84.6	73.8	68.2	65.3	56.0	66.2	69.3	68.7	76.1	82.6	62.4	107.2
8	85.8	75.1	71.3	68.7	65.3	66.8	69.1	70.5	76.4	83.3	64.8	112.3
10	86.7	75.7	69.5	67.3	60.7	67.8	70.2	70.8	77.6	85.2	63.1	110.9
12.5	87.7	76.7	70.7	68.8	62.3	67.9	71.8	71.8	78.5	83.4	67.8	112.3
16	89.2	81.4	79.1	75.8	68.7	72.4	78.9	80.8	83.7	86.8	80.0	114.5
20	87.0	76.2	71.3	68.3	63.5	64.9	70.3	71.0	78.9	84.2	68.2	113.9
25	90.1	85.1	80.5	74.6	71.9	72.5	75.8	74.1	81.8	86.6	83.0	113.7
32	101.8	99.5	95.4	88.5	86.7	87.2	88.9	83.6	91.7	97.1	99.2	116.1
40	88.6	82.3	78.6	74.0	71.5	72.9	73.3	75.2	81.1	85.9	79.0	110.7
50	89.7	83.6	80.8	74.2	75.3	72.0	73.0	75.9	81.7	86.8	79.5	109.1
63	94.3	89.8	85.7	83.1	82.3	75.0	81.0	87.3	91.7	97.2	91.5	111.6
80	89.5	85.4	85.1	76.3	75.3	72.8	74.1	81.4	86.1	88.8	79.9	105.5
100	96.5	92.9	92.3	82.8	83.0	76.7	79.4	87.7	93.3	96.2	86.9	104.4
125	95.9	92.1	88.6	85.7	82.6	79.3	82.0	88.6	92.7	92.1	84.3	103.7
160	95.6	92.1	90.5	82.4	80.5	77.8	78.8	85.9	88.6	91.5	82.0	102.0
200	94.7	91.6	90.2	86.3	81.7	79.0	85.5	86.9	90.3	91.4	82.2	101.0
250	93.7	90.0	88.0	84.5	79.9	78.8	79.6	85.0	86.1	90.1	80.6	98.6
320	94.9	91.4	89.2	81.6	80.8	77.3	80.2	86.1	88.9	92.6	84.0	100.2
400	93.7	90.6	88.9	85.6	76.6	74.4	82.4	86.1	88.2	89.7	82.4	98.2
500	92.0	88.2	86.9	80.1	78.9	76.3	77.4	84.7	87.3	88.8	81.4	97.8
630	91.2	87.1	85.1	80.1	74.5	74.2	78.6	83.7	85.7	88.0	81.3	98.1
800	90.5	86.9	84.6	79.9	76.1	77.3	79.6	83.6	86.2	87.8	82.3	98.5
1.0k	88.4	85.0	82.8	78.4	74.9	75.6	78.7	81.7	83.7	85.4	81.8	97.1
1.25k	89.1	85.2	83.0	78.4	74.9	75.4	78.8	81.9	83.8	85.4	81.9	95.4
1.6k	86.8	83.2	81.0	76.9	73.9	73.9	76.7	79.4	81.3	82.3	82.2	95.5
2.0k	86.5	81.4	80.4	76.7	73.9	73.7	76.3	79.1	80.3	82.3	82.0	95.8
2.5k	85.4	84.0	82.0	79.9	76.7	75.7	77.7	81.5	83.9	82.7	84.5	97.9
3.2k	84.5	81.9	81.2	82.4	80.2	80.1	81.0	81.7	81.0	81.7	88.0	99.9
4.0k	81.3	78.9	77.5	74.0	71.8	72.7	72.2	75.3	77.9	79.8	78.8	95.8
5.0k	79.8	78.6	76.3	74.1	70.4	69.9	71.9	75.0	77.8	79.1	79.6	98.3
6.3k	76.7	78.0	76.2	73.3	70.4	69.3	72.7	73.7	75.7	76.8	80.6	98.2
8.0k	74.0	75.2	74.1	71.9	67.8	66.4	68.5	71.3	72.2	74.4	78.2	95.6
10.0k	73.5	71.3	69.9	69.1	65.1	62.8	64.5	66.9	67.9	70.8	75.5	94.3
12.5k	76.3	68.3	65.7	64.5	59.9	56.2	59.9	61.6	67.1	68.1	72.4	92.4
16.0k	74.1	68.7	59.4	58.4	51.5	49.2	52.9	59.3	66.7	71.0	69.0	90.7
20.0k	67.7	64.3	55.0	54.9	43.2	42.5	45.9	57.8	61.5	65.2	63.2	87.7
PNLT	112.6	109.9	108.1	107.6	105.0	104.4	106.1	108.0	110.1	109.9	112.1	126.0
LA	99.5	96.1	94.3	90.7	87.4	86.9	89.2	92.7	94.8	96.2	94.5	109.3
SPL	107.4	104.2	101.3	96.0	93.2	91.8	94.6	97.9	101.5	104.7	101.6	123.6

RPM = 458., Collective = 1.5 deg, Blade Pressure Ratio = 1.5

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	85.2	76.5	62.0	61.5	54.3	69.1	69.0	68.7	76.3	82.8	51.0	102.6
6.3	86.2	76.2	65.8	62.6	56.3	69.1	71.8	70.7	76.3	84.6	56.0	105.8
8	88.2	76.5	71.4	67.6	65.5	69.7	73.3	71.0	77.5	85.8	64.6	112.8
10	88.9	76.3	69.8	68.1	62.7	73.1	74.2	72.4	78.8	86.3	63.4	109.6
12.5	87.8	77.6	71.3	69.2	64.8	70.2	75.1	74.1	79.8	85.5	69.8	110.9
16	89.4	81.5	80.2	71.5	72.5	74.5	81.2	82.7	85.4	88.0	83.6	112.6
20	87.9	78.4	73.4	69.6	64.0	68.6	72.7	71.9	79.3	86.3	70.1	112.9
25	91.7	87.5	83.7	78.0	73.9	73.8	76.0	74.4	83.0	89.2	85.3	114.3
32	104.4	102.3	98.8	92.5	89.2	87.9	87.6	82.4	94.6	103.5	100.6	117.4
	89.9	83.7	80.0	75.3	72.9	72.7	73.9	75.0	81.1	87.0	81.0	111.2
	91.8	85.1	82.1	76.2	77.5	72.9	73.6	75.7	81.9	87.7	82.7	109.6
	97.8	93.4	89.1	87.6	84.0	74.6	77.7	84.3	88.9	95.8	93.1	113.8
	89.6	85.2	84.5	76.5	75.2	74.8	76.0	83.3	86.6	88.7	80.9	106.0
100	95.1	91.6	91.4	82.5	82.7	77.0	81.4	88.6	92.8	95.2	87.2	105.1
125	96.1	92.3	89.0	85.6	82.9	79.3	81.4	88.1	90.5	91.2	84.1	103.8
160	94.6	90.6	88.9	82.3	79.2	80.6	80.1	88.2	90.3	91.8	83.5	103.1
200	95.3	91.9	90.1	86.0	81.8	81.4	86.8	88.5	91.5	92.7	84.7	102.2
250	94.6	91.4	89.2	85.3	81.4	81.8	81.7	88.1	90.3	92.1	83.2	99.9
320	95.6	91.6	89.6	82.6	82.1	80.5	83.8	89.0	91.3	92.4	85.7	100.8
400	94.6	91.1	89.7	86.6	78.3	76.7	85.1	88.5	90.4	91.9	84.9	99.4
500	92.5	89.3	88.4	82.1	81.0	78.8	80.2	87.0	89.4	90.5	84.2	98.5
630	91.3	87.7	86.1	82.0	76.2	75.8	80.9	85.8	87.8	89.4	83.6	98.5
800	91.2	87.9	85.9	81.7	77.9	78.4	81.5	85.8	88.2	89.3	84.5	99.9
1.0k	89.1	86.2	84.2	80.4	76.5	77.2	80.3	83.6	85.5	84.8	83.9	96.5
1.25k	90.0	86.3	84.3	82.2	76.7	76.5	79.9	83.2	85.3	86.6	83.6	95.5
1.6k	87.9	84.4	82.3	78.6	75.3	74.8	77.7	80.8	82.5	83.4	82.9	96.1
2.0k	86.7	82.6	81.3	78.1	74.9	73.8	75.1	79.7	81.3	82.6	82.6	96.3
2.5k	85.8	84.4	82.2	80.7	77.5	75.8	77.8	81.2	83.5	82.5	84.3	98.6
3.2k	85.9	83.1	81.6	82.3	80.1	81.9	80.9	81.6	81.7	82.4	88.3	100.6
4.0k	82.4	80.5	78.9	75.4	72.8	72.1	73.2	76.4	78.6	80.2	80.5	96.4
5.0k	80.9	79.8	77.3	75.5	71.7	70.4	72.6	75.6	78.7	79.3	79.9	98.8
6.3k	77.6	79.2	77.1	74.4	71.5	72.1	71.4	74.4	76.6	77.8	80.8	98.5
8.0k	75.6	76.7	75.4	73.5	69.8	67.3	69.5	72.3	73.6	75.2	78.9	96.4
10.0k	75.2	73.0	71.4	70.6	66.2	63.8	65.7	67.8	69.5	72.0	76.4	95.4
12.5k	77.8	70.4	67.1	66.2	61.1	57.1	60.2	63.8	68.9	69.3	73.2	93.9
16.0k	75.9	70.5	61.5	60.3	52.7	50.1	50.1	61.4	68.4	72.4	69.7	92.6
20.0k	69.9	66.8	57.8	56.8	44.0	42.9	47.0	59.8	63.9	66.6	63.9	89.8
PNLT	113.5	113.7	108.8	107.9	105.3	105.6	106.5	107.8	105.6	110.6	112.8	126.7
LA	120.2	97.0	95.2	91.8	88.4	88.1	90.5	94.3	96.3	97.4	95.4	110.0
SPL	108.7	105.5	102.8	97.7	94.5	93.2	95.4	99.2	102.6	105.8	102.9	123.8

ORIGINAL PAGE IS
OF POOR QUALITY

RPM = 450., Collective = 1.5 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	91.3	79.0	69.8	68.9	59.6	65.5	71.5	73.4	81.6	88.0	53.9	108.9
6.3	91.7	80.9	71.3	69.3	62.9	69.9	74.1	74.1	82.2	86.7	57.5	112.1
8	92.7	80.8	71.8	72.1	65.6	72.4	74.4	75.8	83.8	86.8	64.9	[illegible]
10	93.7	82.6	72.5	72.9	64.3	71.4	75.4	75.8	80.3	88.2	63.1	110.0
12.5	94.2	82.4	74.4	73.2	65.8	72.7	77.3	77.1	84.3	87.5	71.9	119.7
16	92.9	86.7	83.7	81.3	75.8	76.9	84.4	85.3	58.2	92.8	85.4	121.7
20	92.6	82.2	74.5	72.8	65.4	72.5	[illegible]	75.9	84.3	87.5	71.3	121.2
25	95.1	89.4	85.4	80.3	74.6	74.6	77.3	76.9	86.7	89.0	85.6	122.2
32	125.2	123.6	120.3	94.7	89.8	88.3	80.7	81.1	94.8	120.1	102.7	120.0
40	92.6	85.1	81.4	76.7	73.9	73.8	75.2	77.7	84.8	89.2	61.3	117.9
50	93.0	86.0	83.4	77.2	79.5	75.3	74.7	78.4	85.7	93.3	83.8	115.0
63	98.6	94.7	92.6	88.2	87.5	75.4	74.8	82.0	88.0	96.8	93.9	116.5
80	89.8	84.2	83.7	76.2	74.6	76.2	77.3	84.5	87.8	88.4	81.1	117.9
100	92.6	89.5	89.7	82.2	81.2	74.2	87.6	86.6	91.6	92.8	86.7	120.6
125	93.1	89.0	86.3	82.5	82.2	82.9	82.9	89.3	81.8	89.9	82.8	106.0
160	93.1	88.1	86.3	82.8	76.5	77.8	78.6	86.1	88.2	91.4	61.1	125.0
200	91.9	87.8	86.9	83.9	82.1	78.9	83.9	85.5	88.5	92.?	81.6	123.2
250	92.6	86.8	85.4	81.0	77.1	78.8	70.1	85.2	87.5	89.0	81.0	120.7
320	91.5	87.7	85.9	78.8	79.2	78.2	81.2	86.7	88.6	87.2	84.6	120.9
400	92.7	87.4	85.7	82.8	74.8	75.4	83.8	86.9	88.4	88.8	83.7	99.9
500	89.4	86.1	85.3	79.5	78.6	79.3	79.1	86.2	88.0	88.2	63.3	98.9
630	89.4	85.7	84.6	82.6	75.7	77.0	81.6	85.1	86.4	87.4	84.2	98.7
800	92.0	86.7	85.4	81.3	78.6	82.4	82.5	84.9	87.1	88.1	85.5	100.5
1.0k	89.1	86.9	85.6	81.3	73.7	79.4	82.5	84.1	85.6	86.1	86.8	97.6
1.25k	89.2	85.7	84.3	82.3	77.5	78.6	81.6	83.0	85.2	85.9	86.7	96.0
1.6k	87.0	83.8	82.5	78.5	75.7	76.7	79.4	81.1	82.4	83.2	85.0	96.6
2.0k	86.9	82.4	81.6	78.1	75.4	75.2	74.6	80.1	81.0	82.8	83.6	97.3
2.5k	86.1	84.7	82.8	81.0	78.2	76.7	79.6	81.9	84.3	83.3	85.8	99.5
3.2k	86.5	83.3	82.5	82.9	80.9	81.6	82.3	81.1	81.3	82.5	88.2	101.1
4.0k	83.4	81.4	79.8	76.1	74.0	72.6	74.1	76.9	78.7	82.6	80.5	97.3
5.0k	82.8	80.9	75.5	76.2	72.9	71.5	73.7	76.2	79.1	79.9	80.7	99.3
6.3k	78.7	80.4	78.4	75.4	72.6	72.9	72.3	75.0	77.6	77.4	81.6	98.9
8.0k	76.9	77.9	76.7	74.5	72.1	68.0	72.5	72.9	74.3	76.2	79.9	97.4
10.0k	76.7	74.2	72.5	71.9	67.2	65.1	67.0	68.1	72.2	73.2	77.5	96.9
12.5k	79.2	71.1	68.2	67.6	62.3	58.5	61.5	64.1	69.7	72.4	74.3	95.7
16.0k	77.5	71.8	62.5	62.3	54.2	51.6	56.0	61.6	69.7	73.9	70.9	94.6
20.0k	71.7	67.6	58.2	60.1	45.1	43.7	48.9	59.6	64.6	68.4	65.3	92.2
PNLT	113.0	112.0	108.6	107.8	105.5	106.1	107.3	107.8	112.5	110.	112.7	126.7
LA	99.2	96.2	94.6	91.4	88.7	89.0	91.4	93.8	95.5	96.2	96.4	110.7
SPL	129.0	125.7	102.8	98.0	94.7	[illegible]	95.6	98.4	102.3	105.4	103.2	129.5

RPM = 458., Collective = 1.5 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.1	79.8	73.2	65.3	53.5	66.5	73.4	73.1	81.3	88.4	57.5	109.3
6.3	93.5	82.0	74.6	68.2	57.9	68.9	74.7	71.5	82.8	89.1	59.9	113.8
8	92.9	81.5	75.9	72.3	64.8	69.6	75.5	73.1	84.1	89.5	66.4	114.0
10	92.8	83.4	75.8	72.7	64.4	69.8	77.0	74.8	84.2	90.3	66.4	118.9
12.5	94.1	83.1	76.9	74.2	67.6	71.2	77.3	77.5	85.2	90.3	73.8	119.7
16	95.1	85.3	84.8	82.7	77.7	79.3	85.9	87.9	90.4	93.4	88.8	122.1
20	94.2	84.2	76.7	72.7	66.2	68.1	75.0	75.8	85.2	89.5	72.5	121.6
25	96.5	91.4	88.2	81.9	76.3	74.4	77.4	76.8	86.9	92.5	86.6	120.7
32	107.7	105.7	102.8	96.3	91.5	88.6	88.7	83.9	96.7	102.2	101.7	121.4
40	94.0	86.7	83.0	77.4	75.5	73.9	75.1	76.6	85.2	93.8	82.0	119.4
50	94.0	87.5	84.5	78.4	80.8	76.2	75.4	78.2	85.8	91.1	84.3	116.9
63	102.4	96.5	92.1	89.6	89.0	78.8	73.9	84.2	89.6	97.2	95.1	118.1
80	98.7	84.6	84.2	76.8	75.4	78.2	79.6	85.9	89.2	89.4	82.1	112.6
100	92.3	89.5	92.4	82.2	81.4	75.6	82.5	87.4	92.3	93.0	86.1	112.3
125	93.4	92.2	86.3	82.2	79.9	81.3	82.5	89.0	91.4	92.5	88.8	107.7
160	92.8	88.2	86.7	81.1	76.7	79.8	79.2	86.9	89.2	92.0	82.1	106.5
200	92.4	87.7	86.6	84.6	88.1	79.5	84.4	86.2	88.7	92.3	82.1	104.8
250	91.4	87.3	85.5	81.6	77.4	82.2	79.8	85.4	88.5	93.4	81.9	101.9
320	92.3	88.8	86.8	80.1	79.6	79.5	82.6	87.8	90.2	90.5	85.2	102.2
400	91.5	88.3	87.1	84.7	76.4	77.2	85.2	88.1	89.6	89.7	85.2	101.0
500	92.4	87.2	84.7	82.7	80.5	82.4	82.7	87.1	89.1	89.5	85.0	100.3
630	90.2	86.7	86.1	82.0	77.6	78.5	83.4	86.8	87.6	88.6	86.0	99.2
800	91.1	87.6	86.5	82.8	79.9	81.9	84.3	86.7	88.3	89.2	87.4	101.3
1.0k	91.2	92.0	88.3	83.4	83.3	82.3	85.2	86.8	87.6	88.1	89.9	99.2
1.25k	90.1	87.6	87.1	83.6	81.1	82.5	85.6	86.8	87.9	87.6	92.7	97.7
1.6k	88.1	84.9	83.9	80.1	77.3	79.1	82.2	84.4	84.4	84.7	86.9	97.6
2.0k	87.2	83.4	82.8	79.4	76.6	77.3	79.2	82.7	82.9	83.8	85.2	98.1
2.5k	86.4	85.1	83.8	81.8	78.9	78.2	81.1	83.3	84.1	83.3	86.5	100.3
3.2k	87.5	84.2	83.7	83.4	81.1	81.4	82.2	82.4	82.5	83.9	88.2	101.9
4.0k	80.6	82.2	81.2	77.6	74.6	74.8	75.5	78.8	79.9	82.8	81.8	96.3
5.0k	83.2	81.9	79.8	77.5	73.7	72.8	75.1	77.7	82.2	81.1	81.8	102.0
6.3k	79.9	81.4	79.6	76.6	73.4	72.2	73.9	76.5	79.1	78.7	82.5	99.8
8.0k	78.4	78.9	77.9	75.8	71.1	69.8	72.3	74.7	76.2	77.7	81.3	98.6
10.0k	76.4	75.1	73.8	73.2	68.2	66.5	68.6	70.2	71.7	75.2	78.9	98.4
12.5k	81.2	72.6	69.7	68.8	63.2	60.2	63.7	66.3	71.3	72.4	75.6	97.4
16.0k	79.5	73.5	64.5	63.2	54.8	53.1	57.6	64.6	71.6	75.9	72.1	96.6
20.0k	73.7	69.4	59.8	62.5	45.8	44.4	48.8	62.9	66.2	70.6	66.7	94.3
PNLT	113.8	112.9	109.6	108.5	106.0	106.4	107.8	108.8	110.3	111.3	113.2	127.8
LA	99.9	97.3	96.1	92.9	89.9	93.7	93.4	95.8	96.9	97.5	98.1	111.7
SPL	110.7	107.5	104.8	99.4	96.2	98.4	96.9	99.6	103.4	106.9	104.4	130.4

RPM = 458., Collective = 1.5 deg, Blade Pressure Ratio = 1.8

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	95.4	83.3	74.5	72.5	58.0	72.2	73.7	72.5	82.8	89.1	56.5	108.4
6.3	97.2	84.9	76.3	73.0	60.4	72.6	76.0	72.8	82.3	90.8	61.4	112.1
8	97.3	84.9	77.4	75.8	68.3	73.9	76.3	74.9	83.6	91.5	71.6	117.9
10	98.1	85.1	78.2	76.1	64.8	73.4	76.6	75.7	82.9	90.6	66.2	114.7
12.5	98.7	85.0	78.8	77.0	68.0	74.8	78.0	77.9	85.2	90.3	75.0	116.7
16	98.7	89.3	86.4	83.8	78.0	80.5	86.4	87.4	89.8	93.4	89.0	119.8
20	97.8	85.8	79.8	75.5	66.5	72.3	76.5	76.9	85.5	91.1	73.7	117.9
25	98.9	92.8	89.0	83.2	77.1	75.6	78.4	78.2	87.6	92.3	86.6	118.7
32	108.8	106.8	103.8	97.6	92.3	87.9	88.2	85.0	96.9	102.7	102.0	120.0
40	96.9	88.0	84.3	78.6	75.6	75.3	75.7	77.6	86.1	91.5	82.5	116.3
50	96.4	88.7	85.4	79.3	80.9	75.7	75.9	78.4	86.3	92.3	85.2	114.7
63	102.0	98.5	95.0	91.4	91.4	80.1	77.8	86.7	91.9	98.3	96.0	110.4
80	93.1	85.8	84.9	77.4	75.7	78.8	79.9	86.9	90.2	90.6	82.7	110.8
100	93.9	89.9	89.9	79.9	80.6	78.5	82.8	90.1	94.0	94.3	85.8	110.4
125	94.8	90.6	86.8	82.9	80.6	81.9	82.8	89.8	93.0	93.5	82.3	108.1
160	93.9	88.8	87.3	81.7	77.7	81.1	80.7	88.4	90.4	92.2	84.1	106.9
200	94.6	89.3	88.5	85.8	81.2	83.0	87.3	89.1	91.5	92.7	85.7	105.5
250	[illegible].3	89.1	87.1	83.4	79.0	81.9	82.8	88.1	90.4	91.7	84.3	103.2
320	94.2	90.7	88.9	81.7	81.2	81.3	83.9	89.5	91.6	92.2	87.2	103.4
400	93.1	89.9	89.1	86.8	78.0	77.7	86.2	89.5	91.0	91.4	86.8	102.0
500	92.0	88.9	88.7	82.6	82.2	82.0	81.7	88.5	90.4	90.8	86.8	101.7
630	91.6	88.1	87.9	84.2	78.9	80.1	84.3	87.5	88.5	89.3	87.8	100.8
800	92.3	89.0	88.3	84.8	81.6	83.3	85.5	87.6	89.2	90.1	89.1	102.6
1.0k	92.8	91.1	89.7	85.0	82.1	83.1	84.0	88.0	89.2	89.7	90.6	101.1
1.25k	91.2	89.7	89.8	86.2	83.2	83.7	87.4	89.2	89.7	89.7	92.6	98.8
1.6k	88.8	86.2	86.1	82.7	79.3	81.1	84.4	86.8	86.9	86.7	89.1	98.6
2.0k	87.8	84.3	84.3	81.9	78.5	79.0	81.3	84.7	84.3	84.5	86.9	99.2
2.5k	87.3	85.6	84.7	83.3	80.5	78.8	82.3	83.9	85.0	84.1	87.8	101.0
3.2k	88.2	84.9	84.6	84.1	81.7	81.9	83.3	83.7	83.8	85.1	89.7	102.4
4.0k	85.7	83.0	82.4	78.6	76.0	75.3	76.9	80.0	81.1	83.1	83.6	98.6
5.0k	84.5	82.6	81.1	78.6	74.9	74.0	76.5	78.7	81.3	82.3	83.2	100.4
6.3k	81.2	82.1	80.6	77.5	74.3	73.2	75.0	77.6	79.9	79.8	83.7	100.4
8.0k	79.6	79.9	79.2	76.9	72.3	70.7	73.6	75.6	77.0	78.7	82.6	99.1
10.0k	79.7	76.3	75.0	74.2	69.1	67.6	70.1	72.9	72.7	75.8	80.2	99.1
12.5k	82.4	73.8	70.8	70.0	64.3	61.5	65.2	67.1	72.6	73.5	77.3	98.6
16.0k	81.1	74.9	66.2	64.3	56.3	54.5	59.3	65.2	73.0	77.3	74.0	98.1
20.0k	75.4	70.8	61.7	60.7	47.3	46.2	52.2	63.2	67.6	71.8	68.3	96.0
PNLT	115.0	111.9	111.1	109.6	106.9	107.3	109.0	110.2	111.5	112.5	114.7	128.3
LA	101.2	98.6	97.9	94.7	91.5	91.9	94.8	97.3	98.4	98.9	99.8	112.6
SPL	112.6	108.7	106.0	100.9	97.3	95.4	97.9	101.1	104.5	107.8	105.2	128.4

RPM = 458., Collective = 1.5 deg, Blade Pressure Ratio = 1.9

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	97.4	85.6	74.3	71.6	63.0	66.3	69.6	73.9	81.2	89.3	54.8	111.5
6.3	96.3	85.8	76.2	72.5	65.8	65.3	73.1	75.3	82.3	90.0	60.7	114.9
8	97.1	86.7	77.5	74.2	69.4	67.3	72.5	74.9	82.8	89.1	72.6	122.6
10	98.3	87.1	77.8	75.5	69.4	68.3	74.4	75.4	83.6	91.0	67.2	118.6
12.5	97.3	86.4	78.8	76.6	70.3	70.8	76.6	78.8	85.0	89.7	75.6	120.1
16	97.9	89.9	86.8	83.5	77.8	81.0	87.5	88.8	90.8	92.8	99.1	122.0
20	97.5	87.7	78.9	76.3	68.5	68.6	74.7	76.4	84.7	90.4	74.0	121.8
25	99.6	94.1	89.9	84.0	78.2	74.1	77.5	78.2	87.4	93.2	87.3	122.6
32	110.0	107.9	105.0	98.2	93.0	88.5	88.8	87.4	98.6	104.5	102.6	123.5
40	97.9	89.1	84.8	78.8	75.8	74.3	74.4	77.6	84.7	90.6	82.4	120.4
50	97.4	89.7	85.8	79.8	81.3	75.1	74.5	79.5	84.6	90.3	83.5	118.2
63	104.6	100.9	97.2	93.3	92.8	83.9	89.6	90.9	92.9	96.9	95.6	119.7
80	94.0	86.6	84.7	77.3	75.9	78.1	80.8	87.1	89.9	91.0	81.7	114.2
100	93.5	89.9	89.8	80.4	81.2	79.9	84.6	90.3	93.6	94.3	84.2	112.2
125	94.4	89.5	85.8	82.6	79.9	82.3	84.4	92.1	93.4	94.0	84.5	110.1
160	94.5	88.7	86.5	80.9	77.8	81.3	82.1	89.0	90.8	93.0	85.0	108.5
200	94.6	90.5	88.9	85.5	80.5	83.3	88.3	89.7	92.0	92.6	85.9	107.4
250	93.8	89.6	87.2	84.2	80.2	83.3	82.9	88.5	90.8	91.7	84.9	104.5
320	95.1	91.1	89.7	82.9	82.7	82.2	85.4	90.9	92.7	92.9	87.2	104.4
400	94.3	90.7	89.5	87.9	79.4	80.0	87.6	91.0	93.1	93.0	88.4	104.3
500	93.2	89.4	89.2	83.4	83.4	84.2	83.7	90.5	92.6	92.4	88.8	103.4
630	92.9	89.5	88.8	85.2	80.4	82.2	86.4	89.7	90.6	91.3	89.8	102.6
800	93.6	90.6	89.6	86.1	83.3	85.0	87.8	89.9	91.3	92.2	91.1	103.8
1.0k	94.2	92.2	90.5	86.1	83.3	85.4	87.8	89.9	91.2	91.8	92.6	102.9
1.25k	93.1	92.1	91.6	87.5	84.6	86.1	89.1	91.9	91.9	91.1	94.2	100.0
1.6k	90.0	88.4	88.3	85.3	82.0	84.4	88.3	90.5	89.9	88.2	91.1	99.4
2.0k	88.3	86.3	86.0	84.3	80.8	81.8	84.9	87.8	87.2	85.4	88.6	99.9
2.5k	88.1	86.5	85.7	85.0	82.4	81.8	84.6	86.2	87.0	84.8	89.2	101.8
3.2k	89.1	86.3	85.5	85.3	82.7	83.3	84.6	86.0	86.3	86.3	90.0	103.4
4.0k	86.6	84.3	83.4	80.1	77.6	77.4	79.5	82.3	83.5	84.3	85.2	99.5
5.0k	85.6	83.9	82.1	80.2	76.7	76.0	78.9	80.9	83.2	83.7	85.0	101.9
6.3k	82.3	83.6	81.8	79.1	76.0	74.9	76.9	79.7	81.9	81.2	85.2	102.0
8.0k	80.6	81.1	80.4	78.4	74.0	72.6	75.3	77.5	78.6	80.1	84.0	101.0
10.0k	80.9	77.7	76.3	75.5	70.8	68.9	71.6	73.0	74.4	77.3	81.5	101.1
12.5k	83.6	75.4	71.8	71.2	66.2	62.7	66.6	69.3	74.3	75.0	78.7	100.5
16.0k	82.3	76.6	67.7	65.4	59.4	56.1	60.8	67.6	74.8	78.7	75.4	100.1
20.0k	76.9	72.4	63.6	61.0	53.5	46.5	53.1	65.6	69.4	73.4	69.9	98.0
PNLT	116.0	113.2	112.0	110.6	108.1	108.6	110.6	112.3	113.4	113.6	114.3	129.7
LA	102.3	100.0	99.1	96.1	93.1	94.2	97.1	99.8	100.5	100.3	101.4	114.0
SPL	113.6	109.9	107.2	101.8	98.4	96.8	99.5	102.8	105.6	108.5	105.9	131.7

RPM = 458., Collective = 1.5 deg, Blade Pressure Ratio = 2.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	99.3	85.2	75.3	76.2	69.2	61.8	66.7	65.5	74.0	87.2	54.8	105.8
6.3	98.2	87.5	76.7	77.5	71.8	64.5	68.1	67.9	75.3	86.1	64.8	111.2
8	98.4	87.8	78.7	78.1	72.	71.2	71.1	71.5	77.8	87.4	78.1	121.9
10	99.1	88.4	79.0	78.4	72.4	67.2	72.4	71.4	78.6	88.8	66.3	113.7
12.5	98.3	88.3	80.3	79.4	73.2	71.7	75.8	76.4	80.8	88.5	75.8	114.4
16	98.7	90.0	87.6	85.6	79.0	82.2	88.5	89.7	91.4	92.4	90.4	118.4
20	98.6	87.6	82.4	78.6	71.3	69.6	73.5	74.3	80.6	87.2	75.0	116.5
25	100.2	94.5	90.4	85.2	78.8	74.9	76.9	77.3	86.3	92.7	88.5	118.9
32	110.5	108.6	105.5	98.7	93.6	89.2	89.3	89.4	99.8	105.9	103.6	123.4
40	98.0	90.1	85.4	79.7	76.2	74.3	74.2	76.5	83.1	88.9	83.6	116.4
50	97.8	89.7	85.9	79.4	81.6	75.3	73.8	79.5	83.5	88.7	84.7	115.5
63	103.1	99.2	95.9	92.5	93.2	85.2	81.6	93.0	94.5	96.2	95.8	119.0
80	93.8	85.1	83.9	77.1	75.3	78.0	80.3	86.7	89.5	90.4	82.8	112.2
100	95.2	89.2	88.7	79.2	78.6	82.3	85.2	92.6	95.7	96.9	83.8	111.6
125	95.2	[illegible].3	88.5	85.1	80.3	82.3	83.2	89.2	93.3	96.3	86.0	109.4
160	94.5	89.4	87.7	80.9	76.4	81.8	82.0	88.8	91.2	92.2	86.5	108.5
200	94.7	90.1	88.4	84.8	79.6	83.9	88.1	89.5	91.4	92.3	85.9	107.5
250	94.0	89.7	87.5	84.0	80.1	82.3	82.8	87.5	89.6	91.3	84.9	104.9
320	95.2	91.4	89.8	83.2	82.3	82.3	80.6	89.9	92.6	93.9	88.4	106.3
400	94.7	91.4	92.3	88.8	79.3	79.7	88.2	91.4	93.2	93.8	89.4	105.7
500	94.2	92.8	92.5	84.4	84.3	84.8	84.4	90.4	92.9	93.1	92.4	104.4
630	94.9	92.9	92.3	86.2	81.2	83.1	87.5	90.4	91.4	92.8	91.3	103.9
800	96.5	93.4	91.8	87.3	84.5	86.6	89.2	91.2	93.3	94.3	92.9	105.7
1.0k	96.6	94.8	93.4	88.9	85.5	87.9	90.3	92.3	93.8	94.0	94.8	104.5
1.25k	96.0	95.2	94.7	90.2	86.1	88.6	90.0	94.7	95.0	94.4	94.7	102.3
1.6k	92.7	91.6	91.5	88.6	84.2	86.4	91.8	92.6	92.1	92.1	91.8	101.1
2.0k	92.0	88.8	88.6	87.1	83.1	84.7	87.6	89.5	89.2	88.5	89.9	100.6
2.5k	89.8	88.2	87.7	87.2	84.1	83.9	86.3	87.6	88.2	88.2	91.5	102.4
3.2k	90.6	88.1	87.4	86.7	84.0	84.9	86.5	87.9	88.2	89.4	91.8	103.9
4.0k	87.7	85.8	85.4	82.2	79.0	79.5	81.7	84.1	85.4	86.6	87.0	100.3
5.0k	86.5	85.3	83.7	81.8	78.0	78.1	82.9	82.6	85.1	85.7	86.3	102.5
6.3k	83.3	84.6	83.2	82.2	77.0	76.6	78.6	81.3	83.4	82.8	86.3	102.8
8.0k	81.9	82.3	81.6	79.5	75.0	74.2	76.8	79.3	79.6	81.8	85.1	102.4
10.0k	81.9	78.8	77.6	76.5	71.7	72.7	73.0	74.4	75.7	79.0	82.7	102.2
12.5k	84.6	76.6	73.3	72.3	66.9	64.4	68.1	71.2	76.0	77.0	79.6	101.9
16.0k	83.6	77.8	69.1	66.4	59.1	57.7	62.6	69.8	76.3	80.8	76.3	101.7
20.0k	78.2	73.8	64.9	61.6	52.5	49.4	55.3	67.4	70.8	75.4	70.9	99.8
PNLT	117.3	114.6	113.7	112.0	109.4	110.1	112.2	113.7	114.8	115.7	115.8	130.3
LA	104.3	102.3	101.5	98.2	94.6	96.2	99.4	101.5	102.3	102.6	102.8	115.1
SPL	114.1	110.5	107.8	102.6	99.1	98.2	102.9	103.9	106.6	109.5	107.0	129.5

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.0

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11	12
5	71.2	61.9	49.9	51.5	51.2	55.7	63.1	53.4	57.9	61.3	54.4	78.6
6.3	71.5	64.8	54.9	54.8	54.2	56.5	65.6	56.6	59.5	64.8	56.5	81.4
8	72.0	65.7	54.4	55.2	54.4	54.9	65.4	57.2	62.5	65.9	58.3	82.1
10	73.8	68.0	61.8	63.0	59.4	56.9	68.8	62.3	68.0	70.1	59.9	82.2
12.5	73.8	68.5	61.7	62.9	60.0	58.8	68.8	63.4	67.2	70.7	60.5	83.8
16	73.3	68.9	62.2	61.7	59.4	57.6	65.4	63.2	67.3	70.3	63.5	85.3
20	73.8	68.9	65.4	65.3	61.8	56.5	65.8	61.1	66.8	69.1	61.9	85.5
25	85.8	81.6	78.4	76.7	64.1	70.9	77.7	77.8	79.3	80.4	81.1	96.7
32	100.7	96.9	94.0	92.1	76.2	86.4	92.3	93.4	94.8	99.9	96.8	111.2
40	82.2	78.5	75.7	74.6	65.3	68.8	74.3	72.9	74.8	78.4	76.9	92.8
50	81.9	80.4	75.0	72.5	65.3	68.6	72.6	76.4	76.6	74.9	78.2	96.7
63	97.4	96.2	88.9	86.5	75.8	83.7	86.9	93.3	93.0	89.2	94.7	112.3
80	84.4	84.3	83.5	73.3	74.0	68.6	75.1	78.7	85.3	89.1	79.7	95.7
100	92.4	92.7	92.3	80.9	82.7	75.6	82.7	86.7	94.2	97.8	87.5	101.9
125	95.4	92.2	87.9	85.9	84.3	81.6	83.1	89.1	91.5	92.2	87.0	99.4
160	91.2	89.7	87.4	80.1	78.2	78.9	78.2	86.6	87.7	91.2	79.7	96.3
200	88.9	89.8	87.5	83.2	78.0	75.1	82.5	82.4	87.2	89.1	80.6	97.2
250	86.0	85.8	82.0	78.3	76.3	74.0	77.6	79.5	82.9	85.4	78.7	95.7
320	87.4	86.3	83.8	76.5	77.3	73.6	76.5	81.3	83.3	85.7	84.2	97.4
400	86.9	85.9	83.4	80.3	73.1	73.3	78.5	81.1	83.2	85.7	80.5	96.5
500	85.8	84.4	82.7	76.8	75.1	72.2	77.8	81.0	83.3	85.2	79.5	97.9
630	84.7	83.2	82.8	76.3	72.0	71.7	77.3	80.6	82.3	84.5	79.2	96.9
800	84.1	83.0	80.6	76.2	73.4	76.9	79.0	83.1	83.0	83.8	80.4	97.7
1.0k	81.3	81.5	78.5	75.3	72.6	73.4	77.4	79.6	82.2	81.8	79.6	97.8
1.25k	80.7	80.8	78.4	75.0	72.0	72.7	77.1	78.9	80.6	82.4	78.4	93.7
1.6k	77.7	79.3	76.5	74.2	71.4	71.8	76.3	77.0	79.2	80.9	78.5	93.0
2.0k	75.2	78.4	76.2	74.4	72.1	72.2	75.4	77.6	79.3	80.1	79.3	93.0
2.5k	73.5	78.4	77.1	76.2	74.5	73.5	77.9	77.1	79.6	80.7	81.7	95.8
3.2k	70.8	76.8	75.8	75.6	73.2	74.2	77.3	77.1	78.4	79.6	80.8	96.4
4.0k	63.0	73.2	71.3	68.7	66.3	67.7	71.5	72.1	74.7	76.4	76.3	94.9
5.0k	67.2	72.1	69.6	66.7	63.9	66.2	68.4	71.4	73.9	75.8	74.8	96.8
6.3k	70.2	70.4	68.3	65.1	61.6	64.2	66.4	69.7	71.6	72.6	75.8	93.4
8.0k	68.3	67.9	65.4	61.7	58.3	62.2	63.6	66.9	68.3	71.2	71.4	90.8
10.0k	64.2	64.8	61.4	58.8	54.4	55.8	59.4	62.4	63.2	67.3	69.2	88.3
12.5k	63.4	60.1	55.8	55.1	49.6	52.2	50.5	56.8	58.9	60.0	66.5	85.7
16.0k	62.4	54.7	52.6	54.3	43.3	42.9	52.7	54.5	53.9	54.8	63.4	83.3
20.0k	58.0	49.1	47.2	54.5	36.5	36.4	52.0	50.9	52.5	57.4	58.3	79.6
PNLT	106.2	105.8	123.6	101.6	98.8	99.6	122.9	104.7	105.7	107.4	106.4	122.0
LA	92.1	92.0	89.7	86.4	83.7	83.9	87.7	89.8	91.5	93.2	90.8	107.3
SPL	104.5	102.5	99.3	95.5	90.1	91.1	95.7	98.8	101.0	103.9	100.3	116.2

RPM = 450 Collective = 3.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	66.9	54.1	50.7	57.2	52.5	53.0	58.0	50.5	59.9	69.1	53.9	82.7
6.3	68.5	57.1	56.1	59.0	54.8	54.9	58.6	55.3	61.8	69.5	57.5	85.7
8	71.7	64.8	66.0	64.9	61.7	61.5	63.8	63.8	66.1	71.4	62.1	92.5
10	71.7	64.1	62.4	63.9	59.9	56.0	64.2	60.6	66.0	70.1	57.6	87.2
12.5	72.3	63.0	62.1	63.9	60.1	60.7	64.4	63.3	67.1	72.3	61.5	88.7
16	70.3	64.7	62.6	61.7	56.7	57.4	62.7	61.4	66.9	71.5	60.9	89.5
20	70.7	65.3	65.5	65.4	61.2	56.5	62.1	62.7	67.0	71.9	62.6	89.3
25	84.1	79.5	76.6	76.4	66.0	70.8	75.0	76.9	78.7	84.3	81.8	96.5
32	99.3	94.7	91.7	91.5	78.4	86.2	90.0	92.0	93.4	99.2	97.2	110.4
40	81.3	77.7	75.1	74.7	66.9	70.2	71.6	73.8	76.1	79.2	76.9	92.9
50	81.3	79.7	75.4	72.1	67.8	68.4	70.5	76.3	77.2	77.3	77.0	95.6
63	96.0	94.6	87.6	84.5	78.7	82.5	85.3	92.7	92.6	89.7	93.1	110.7
80	84.0	84.1	83.5	73.7	74.1	70.2	73.3	79.8	85.7	88.9	79.8	95.2
100	91.7	92.4	92.0	81.3	82.6	77.6	81.2	87.8	94.3	97.5	87.8	101.6
125	95.2	92.1	87.9	86.2	84.8	81.0	81.0	88.7	91.7	92.3	87.4	99.4
160	91.9	90.7	87.3	80.3	79.0	78.4	76.4	86.0	87.2	91.3	80.4	97.6
200	89.1	89.9	88.0	84.0	79.0	76.7	82.4	84.1	87.9	90.4	81.9	98.6
250	86.7	85.9	83.3	80.2	77.5	76.7	77.8	82.0	84.6	86.8	80.8	97.2
320	88.0	87.0	85.0	77.5	78.4	75.9	76.3	83.1	85.6	87.3	85.5	98.7
400	86.9	86.2	84.3	82.2	73.9	72.6	78.9	83.1	84.8	86.9	81.8	98.0
500	86.0	84.6	83.7	78.3	75.9	74.0	76.3	82.4	84.4	86.5	80.5	98.7
630	84.8	84.0	82.5	78.4	73.4	73.4	76.5	82.0	83.2	85.8	80.1	98.0
800	84.3	83.3	81.6	78.1	74.5	78.8	78.7	84.0	83.3	85.5	81.1	98.4
1.0k	82.0	81.9	79.7	76.4	73.2	74.1	75.4	79.8	80.9	83.0	79.8	97.4
1.25k	82.2	81.8	79.6	76.6	72.3	73.6	75.0	79.3	80.5	82.6	79.2	94.0
1.6k	79.5	80.4	78.1	75.9	72.4	72.7	73.8	77.1	79.0	80.8	79.2	92.9
2.0k	77.0	79.4	78.1	76.3	73.2	72.4	72.8	76.9	78.3	78.8	80.0	93.0
2.5k	75.8	79.8	78.7	77.8	75.6	73.4	74.0	76.9	78.5	79.1	82.5	96.3
3.2k	73.1	79.0	77.8	77.6	73.8	74.1	74.6	77.0	78.2	79.1	81.1	96.9
4.0k	65.8	76.5	75.2	72.2	68.9	68.5	69.7	73.1	75.6	77.0	77.3	94.7
5.0k	71.1	75.9	73.6	70.3	67.8	67.2	67.7	72.7	74.9	76.5	76.0	97.0
6.3k	74.8	75.2	73.1	69.5	66.4	65.8	66.5	71.3	73.5	74.3	76.6	94.2
8.0k	73.8	73.7	71.3	67.2	63.6	62.5	63.9	69.0	71.0	72.8	73.6	91.4
10.0k	69.6	70.3	67.7	64.7	60.5	58.3	59.6	64.9	65.6	69.5	71.4	89.2
12.5k	68.3	65.3	62.5	59.5	55.3	52.6	53.6	58.7	61.1	62.8	68.5	86.8
16.0k	67.3	57.6	55.3	55.2	46.9	44.9	47.8	55.2	55.4	56.4	64.8	84.3
20.0k	60.8	50.8	49.6	54.0	38.9	37.3	42.6	55.1	53.5	58.2	59.6	80.5
PNLT	106.9	107.0	105.2	103.5	100.2	100.5	100.9	105.2	106.0	107.7	107.1	122.4
LA	92.8	92.9	91.1	88.2	84.8	80.8	86.0	90.5	91.9	93.8	91.6	107.7
SPL	103.8	101.7	98.9	95.5	91.0	91.2	93.9	98.6	100.9	103.8	100.4	115.5

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.2

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	72.7	53.7	54.6	56.9	54.1	50.9	59.2	56.2	66.0	71.7	53.2	89.3
6.3	74.0	58.6	60.3	60.8	57.1	54.3	61.8	59.5	66.4	73.1	55.5	93.3
8	75.6	62.4	63.6	63.8	61.2	60.8	64.0	63.9	69.5	74.8	61.7	98.9
10	76.6	64.7	63.4	65.4	60.7	56.2	64.6	61.9	68.7	72.2	59.4	95.4
12.5	76.2	63.4	62.3	64.0	60.6	58.4	64.1	64.8	69.3	75.6	61.5	94.6
16	76.6	71.3	67.2	65.3	60.8	63.1	70.7	72.5	76.0	78.4	69.4	96.9
20	75.9	67.5	66.5	66.1	61.7	57.9	63.1	63.4	71.1	76.3	64.2	95.3
25	82.9	77.0	70.6	72.3	68.6	70.2	74.8	74.5	77.4	83.1	82.3	100.0
32	97.2	91.7	82.1	86.8	82.6	85.8	90.1	89.8	91.8	97.7	97.9	112.1
40	81.6	77.5	73.5	73.3	68.7	69.2	71.7	71.5	74.9	79.5	77.4	99.1
50	82.2	80.1	76.4	71.5	69.0	69.8	72.7	75.2	77.9	79.4	75.0	99.1
63	94.6	93.3	86.8	83.4	80.2	80.6	82.8	90.9	92.2	91.8	89.6	107.2
80	86.4	85.8	84.7	74.9	75.6	69.8	72.3	78.5	83.6	87.5	77.7	98.4
100	94.7	94.4	93.5	83.0	84.3	76.0	78.0	85.3	91.8	95.9	85.3	103.3
125	92.8	90.5	87.8	85.0	84.3	80.0	82.2	88.0	92.3	92.0	85.5	99.2
160	91.9	90.9	88.9	79.8	80.9	78.4	76.0	85.6	87.4	91.9	79.3	99.2
200	91.3	91.4	90.1	85.6	80.0	78.2	83.1	84.8	88.4	90.2	82.4	100.4
250	89.4	88.7	86.3	82.5	79.8	78.3	79.5	83.9	86.4	88.7	80.5	97.7
320	89.7	89.3	87.6	80.3	80.1	76.8	78.1	84.6	87.2	89.3	85.3	99.4
400	88.7	88.0	86.2	82.7	75.2	74.3	81.1	84.8	86.8	88.7	81.7	98.3
500	87.3	86.2	85.0	77.7	77.0	75.7	77.5	83.5	86.0	88.1	80.3	98.1
630	85.5	84.7	83.5	78.2	73.9	74.4	77.8	82.6	84.6	86.9	80.5	97.8
800	84.6	84.0	82.9	77.9	75.5	79.5	78.6	84.0	84.9	86.6	81.2	97.8
1.0k	81.6	81.7	80.6	75.6	72.1	74.3	75.8	79.4	81.5	83.7	79.1	95.9
1.25k	81.5	81.7	80.1	75.5	72.6	73.9	75.9	79.4	81.3	82.7	79.0	93.3
1.6k	78.8	80.3	78.6	74.4	71.8	72.3	74.0	76.9	79.6	80.6	78.4	92.6
2.0k	76.5	79.1	78.0	74.4	72.6	71.7	72.4	76.4	77.8	78.5	79.3	93.3
2.5k	75.5	79.7	78.4	76.9	75.2	72.8	73.5	76.3	78.3	78.6	81.1	97.3
3.2k	74.1	80.5	78.8	77.9	74.7	73.9	74.8	77.0	78.5	79.3	80.9	99.0
4.0k	67.2	78.3	76.7	73.3	72.0	69.4	70.4	73.7	76.6	77.9	77.4	94.4
5.0k	74.3	78.3	76.1	72.0	69.5	69.1	69.3	74.1	76.9	78.0	77.8	97.3
6.3k	78.2	78.3	76.2	72.3	68.9	68.1	68.4	73.0	75.1	76.9	79.2	95.6
8.0k	76.7	76.8	74.8	69.9	66.6	64.7	65.9	70.8	73.0	74.8	75.4	93.2
10.0k	72.9	73.8	71.2	67.6	63.3	60.6	61.9	66.6	67.8	71.8	73.2	91.1
12.5k	71.6	69.0	66.6	62.2	58.6	54.8	55.6	59.9	63.3	65.0	69.8	88.6
16.0k	70.6	62.2	60.5	56.6	50.6	46.8	46.5	55.6	57.3	58.2	66.0	86.1
20.0k	63.4	54.2	56.1	54.0	42.9	37.9	43.0	54.8	54.9	59.2	60.0	82.2
PNLT	107.4	108.2	106.5	103.7	100.2	100.8	101.3	104.3	106.5	108.1	106.8	124.4
LA	93.6	93.9	92.4	88.1	85.3	85.2	86.6	90.8	92.9	94.6	91.4	108.0
SPL	103.3	101.7	99.3	94.4	92.1	91.0	93.8	97.7	100.3	103.3	100.1	116.0

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	82.2	72.6	65.7	56.9	60.1	61.4	66.6	62.0	68.9	0.0	51.8	88.4
6.3	81.8	72.2	67.2	59.1	60.3	64.9	68.1	63.7	70.3	0.0	56.2	92.0
8	83.0	74.1	69.4	63.8	62.6	67.4	69.9	65.6	71.2	0.0	61.9	99.7
10	83.6	73.2	68.4	64.4	61.9	64.5	69.7	66.3	73.3	0.0	59.4	95.6
12.5	82.3	73.4	69.1	64.8	62.1	65.0	69.3	67.3	72.5	0.0	63.6	97.8
16	83.0	77.4	72.9	69.4	63.0	67.0	73.1	73.7	77.6	0.0	72.8	106.0
20	82.4	75.3	71.8	67.1	63.9	63.9	68.7	67.8	73.4	0.0	67.4	98.5
25	88.0	85.1	79.5	72.2	72.8	72.9	75.8	70.2	76.9	0.0	84.4	102.9
32	101.4	100.0	93.6	84.6	87.5	87.9	90.3	79.7	88.8	0.0	99.7	112.6
40	85.3	81.2	77.1	73.1	70.2	71.3	72.8	72.0	75.8	0.0	78.8	101.0
50	83.3	79.4	76.8	71.1	70.9	71.1	70.8	73.7	78.1	0.0	74.3	101.6
63	89.4	86.0	82.9	79.0	81.7	79.6	79.2	87.4	90.8	0.0	87.3	105.3
80	86.9	84.8	83.4	74.9	74.9	70.9	73.1	78.7	83.1	0.0	77.1	99.7
100	94.0	92.7	91.1	82.4	82.9	77.0	78.7	85.3	90.3	0.0	83.4	100.7
125	92.3	89.7	86.6	84.2	81.6	79.2	81.4	87.5	90.3	0.0	84.5	103.3
160	91.3	90.2	87.9	79.6	80.0	78.4	79.2	86.1	88.7	0.0	82.7	99.7
200	92.0	91.8	88.5	85.7	81.5	81.6	85.9	87.5	91.4	0.0	84.6	101.4
250	91.7	90.6	86.7	84.1	80.0	80.4	82.1	87.0	89.5	0.0	83.1	98.9
320	92.4	91.9	88.2	82.3	81.3	79.5	80.9	87.6	90.3	0.0	87.3	100.6
400	91.0	90.9	87.4	86.9	78.4	75.3	82.9	87.1	89.2	0.0	84.8	99.1
500	89.1	89.1	87.0	81.8	80.7	77.7	80.3	86.3	88.4	0.0	83.3	98.8
630	87.1	87.0	85.6	81.2	76.8	75.1	79.8	85.1	86.7	0.0	82.6	98.4
800	86.1	86.2	85.6	80.0	77.2	78.5	80.0	86.2	86.6	0.0	83.5	98.2
1.0k	83.4	84.1	83.4	78.1	75.4	75.7	77.8	82.0	83.9	0.0	81.4	95.5
1.25k	83.5	83.8	82.6	78.0	75.5	75.4	77.6	81.8	83.7	0.0	81.3	94.2
1.6k	81.1	81.9	81.0	76.4	74.0	73.4	75.0	79.2	81.3	0.0	80.1	93.2
2.0k	78.6	80.7	80.1	76.0	74.3	72.5	73.8	78.5	79.8	0.0	80.1	94.3
2.5k	77.2	80.7	79.9	77.6	76.1	73.0	74.9	77.8	79.8	0.0	81.5	97.2
3.2k	76.0	81.2	80.3	78.3	75.5	74.4	76.3	78.3	79.8	0.0	81.0	98.4
4.0k	70.5	79.8	78.8	74.1	72.2	70.0	72.2	75.3	78.1	0.0	78.3	94.8
5.0k	75.6	79.6	77.8	73.2	71.5	69.6	70.6	75.1	77.9	0.0	78.8	97.4
6.3k	80.2	79.4	78.1	73.5	71.0	68.9	69.9	74.7	76.9	0.0	79.8	97.0
8.0k	79.4	78.3	76.9	71.5	68.8	65.6	67.6	72.8	74.9	0.0	76.8	94.1
10.0k	75.5	75.4	74.0	69.1	65.9	61.5	63.7	68.4	70.1	0.0	74.7	92.2
12.5k	73.6	71.1	70.1	64.1	61.2	56.1	57.6	62.3	65.6	0.0	71.4	90.1
16.0k	73.1	65.5	66.6	58.0	55.5	48.9	51.1	57.5	60.1	0.0	67.8	88.0
20.0k	66.8	60.3	63.4	54.5	51.3	41.6	43.9	56.1	57.7	0.0	61.8	84.6
PNLT	108.6	109.2	107.6	104.8	102.5	100.9	102.9	105.9	108.0	0.0	107.5	123.5
LA	95.4	95.8	94.1	90.1	87.2	86.0	88.4	93.1	95.0	0.0	92.9	108.4
SPL	105.1	103.8	100.8	94.9	93.3	92.4	94.9	97.9	100.9	0.0	101.5	116.8

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	82.8	62.8	60.4	61.8	56.4	68.8	73.1	67.1	77.1	81.4	57.5	96.7
6.3	84.1	64.2	61.8	63.4	59.3	70.4	73.4	68.2	76.6	82.5	60.6	100.6
8	84.6	68.3	65.1	65.3	61.2	70.9	74.0	70.1	77.7	81.7	64.1	106.1
10	85.2	67.2	65.5	66.2	62.4	71.7	75.1	70.9	77.9	82.6	62.6	101.3
12.5	86.1	68.6	67.2	67.6	63.4	71.5	75.5	71.2	79.2	83.1	66.8	103.3
16	86.1	75.5	73.2	70.0	65.1	71.3	77.9	77.7	82.2	83.5	76.6	108.6
20	85.6	72.6	71.4	68.6	64.9	69.7	74.6	71.3	79.8	82.5	69.6	102.4
25	91.1	88.8	84.6	75.1	75.8	74.3	77.7	73.9	82.2	87.9	85.8	106.6
32	105.8	104.2	99.8	88.8	91.0	88.0	90.6	82.0	93.4	100.7	100.8	117.0
40	87.1	83.8	80.1	74.2	72.0	73.0	74.6	74.7	80.5	84.2	80.3	103.7
50	87.1	82.9	79.3	75.9	73.7	72.7	73.5	74.2	80.3	84.9	78.0	102.7
63	95.3	92.3	86.6	87.0	81.2	75.7	78.2	84.3	89.0	95.1	90.7	111.2
80	87.6	85.6	84.7	76.2	76.0	72.8	74.3	80.0	84.3	87.2	79.5	101.6
100	94.3	93.1	92.3	82.8	83.5	79.4	80.2	86.6	91.2	94.0	85.6	102.0
125	94.5	93.2	89.6	85.9	85.0	80.9	82.8	89.2	91.9	93.2	86.4	102.8
160	92.5	91.9	89.5	82.3	81.7	82.0	80.9	89.8	92.3	93.9	84.6	101.3
200	94.0	93.7	91.5	87.2	82.5	83.7	84.8	90.2	93.1	94.7	86.4	101.8
250	93.0	92.6	90.2	86.5	82.8	82.7	84.0	88.4	90.8	93.5	84.4	99.5
320	93.7	93.7	91.9	84.6	83.2	80.8	82.5	88.9	91.7	93.5	88.0	100.7
400	91.6	92.8	91.2	88.5	80.5	76.7	83.9	87.8	90.1	92.6	85.8	98.5
500	89.4	89.9	89.7	83.2	82.5	78.5	80.3	86.6	89.1	91.5	84.6	98.1
630	87.5	87.5	86.7	82.4	77.7	76.3	82.3	85.3	87.3	90.1	83.8	98.4
800	86.8	86.3	85.9	81.4	77.9	79.7	80.7	86.4	87.0	89.6	84.4	98.3
1.0k	84.5	84.4	83.8	79.2	75.6	76.4	78.1	82.3	84.1	86.3	82.4	95.7
1.25k	84.9	84.9	83.9	79.0	75.2	76.0	77.7	82.0	83.8	85.6	82.2	95.0
1.6k	82.9	83.0	82.5	77.8	74.6	74.1	75.3	79.6	81.5	83.3	81.0	94.8
2.0k	79.9	81.7	81.4	77.4	74.7	73.2	74.3	78.8	79.8	81.1	80.7	95.4
2.5k	78.4	82.0	81.1	79.2	76.8	74.1	75.6	78.4	80.3	81.0	82.5	97.7
3.2k	77.0	82.5	81.5	80.4	76.8	75.3	76.8	79.0	80.3	81.5	81.9	98.7
4.0k	70.7	81.3	80.0	76.0	73.2	71.6	72.8	76.2	78.6	79.8	79.1	95.6
5.0k	76.2	80.9	78.9	75.0	72.9	70.6	71.2	75.9	78.4	79.6	79.2	97.8
6.3k	80.9	81.0	79.0	75.2	72.2	70.3	70.4	75.6	77.6	79.3	80.1	96.8
8.0k	81.0	80.0	77.9	73.3	70.1	67.4	68.9	73.9	75.8	78.5	78.0	94.8
10.0k	77.5	77.3	75.0	71.3	67.3	63.6	65.4	70.3	71.5	75.5	76.1	93.4
12.5k	75.7	72.4	70.3	66.1	62.1	58.6	59.6	64.3	67.3	69.4	72.7	91.8
16.0k	74.7	65.2	64.7	61.2	53.4	52.3	52.9	59.8	61.6	62.8	69.0	90.3
20.0k	68.0	57.8	59.1	59.7	43.9	46.1	45.2	57.8	59.2	63.0	62.9	87.3
PNLT	109.9	110.7	109.3	106.7	103.8	102.2	103.9	106.7	108.8	110.7	108.0	124.1
LA	96.4	97.0	95.8	91.7	88.3	87.1	89.2	93.7	95.6	97.7	93.8	108.8
SPL	107.7	106.7	103.6	97.2	95.4	93.5	96.1	99.1	102.4	105.9	102.8	120.3

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	90.0	82.0	69.4	60.1	58.0	66.2	67.3	65.9	76.1	85.4	54.9	99.5
6.3	89.4	83.7	69.4	61.8	61.0	67.6	68.2	67.1	78.7	85.5	58.6	103.5
8	89.3	83.1	74.0	67.3	64.8	68.1	69.2	72.6	79.3	87.0	68.4	112.1
10	89.4	84.0	73.5	67.7	63.4	69.1	72.0	69.3	78.9	86.5	63.3	106.7
12.5	88.7	84.3	73.3	68.8	64.4	68.7	71.8	71.7	79.2	85.4	69.4	106.1
16	89.8	85.2	78.7	74.6	70.6	72.7	78.7	79.9	83.7	87.3	81.7	111.5
20	89.6	85.0	75.2	70.0	65.7	67.4	71.1	71.1	78.6	85.8	70.6	109.7
25	94.1	91.8	86.6	79.3	76.3	72.9	76.4	75.0	83.5	90.4	86.8	112.1
32	106.8	106.1	101.8	94.2	91.7	87.3	90.0	86.7	96.5	103.3	102.0	117.0
40	90.3	86.7	81.7	75.9	72.9	72.6	73.4	74.0	80.6	87.0	81.4	110.3
50	90.2	85.5	80.3	76.0	75.6	73.7	73.2	75.9	81.2	87.4	81.0	109.4
63	99.4	96.0	88.2	89.5	85.8	77.9	78.5	85.9	87.8	95.5	94.3	115.7
80	89.7	86.6	84.8	77.1	75.9	74.9	75.8	81.7	85.1	86.8	80.6	107.2
100	94.1	93.2	91.9	82.3	83.1	78.9	81.3	87.2	90.6	92.1	86.2	106.9
125	94.0	92.0	87.9	84.7	82.9	80.3	80.8	87.6	90.5	92.2	83.5	105.9
160	94.2	92.6	89.3	82.1	81.0	79.3	78.8	86.4	89.5	91.6	83.6	105.6
200	96.8	95.7	92.0	88.7	83.3	82.1	86.4	88.0	91.1	93.3	85.0	105.5
250	96.1	94.6	92.1	87.9	84.6	80.5	83.0	86.6	89.7	92.2	83.6	103.2
320	97.1	95.8	92.7	85.3	84.7	80.6	81.6	88.2	90.8	92.5	87.7	103.2
400	96.0	95.2	92.3	89.7	81.6	76.5	83.2	87.2	89.7	91.8	85.8	101.7
500	93.5	92.5	90.5	83.6	82.6	79.1	82.4	85.8	88.2	90.5	84.8	100.4
630	91.3	90.2	87.4	83.4	77.9	76.5	80.2	84.8	87.0	89.5	84.8	100.0
800	90.3	88.7	86.6	82.7	78.9	79.4	80.7	86.0	87.3	89.2	85.0	100.6
1.0k	86.9	86.0	83.5	79.9	77.0	77.2	78.3	82.5	84.4	86.3	84.1	97.6
1.25k	86.4	85.9	83.8	80.2	77.1	76.7	78.0	82.4	84.3	85.8	83.6	97.0
1.6k	83.9	84.0	82.0	78.7	76.0	75.0	76.2	80.4	82.6	84.0	81.8	96.3
2.0k	80.9	82.4	80.5	77.2	75.7	74.2	75.0	79.5	80.9	82.4	81.9	96.9
2.5k	79.3	82.6	80.5	79.2	77.5	75.1	76.2	79.2	81.4	82.5	83.4	98.7
3.2k	78.0	83.1	81.4	80.1	77.2	76.6	77.5	79.9	81.6	83.1	83.2	99.8
4.0k	72.6	82.3	80.2	76.2	74.2	72.5	73.7	77.3	80.0	81.4	80.3	97.0
5.0k	77.1	82.0	79.2	75.5	73.4	71.7	71.9	77.2	79.5	81.1	80.3	99.9
6.3k	81.7	82.1	79.5	75.4	72.9	71.0	71.3	77.0	78.8	80.4	81.4	97.8
8.0k	82.3	81.2	78.5	73.9	70.8	68.6	69.6	75.4	77.1	80.0	79.3	96.0
10.0k	79.5	78.7	75.7	71.8	67.9	64.8	66.4	71.9	73.3	77.0	77.2	95.4
12.5k	77.2	74.0	71.9	66.6	63.0	59.8	60.7	65.8	69.3	71.2	73.7	94.0
16.0k	76.1	67.3	64.7	61.7	54.4	52.7	54.0	60.9	64.2	65.1	70.0	92.7
20.0k	69.9	59.9	59.1	60.0	44.8	44.8	45.9	58.8	61.6	65.5	63.8	90.3
PNLT	112.5	112.2	109.5	107.1	103.4	101.7	103.9	107.0	109.2	111.1	109.4	126.1
LA	99.3	98.8	96.3	92.4	89.1	87.5	89.2	93.6	95.7	97.6	94.7	110.6
SPL	110.0	108.7	104.8	99.2	96.2	92.9	95.3	98.5	102.4	106.7	103.9	123.2

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	94.2	83.2	72.4	59.5	57.0	68.0	69.7	68.0	76.4	82.7	59.8	94.2
6.3	95.7	83.2	75.2	64.1	61.8	69.6	72.7	68.3	75.9	83.3	62.3	102.2
8	97.0	83.5	75.9	72.6	70.2	70.2	74.2	72.2	77.5	84.3	66.6	115.9
10	96.9	83.2	76.2	68.2	64.2	70.3	74.6	70.9	78.3	84.7	67.0	101.9
12.5	95.8	83.6	77.2	71.2	66.6	72.0	74.9	71.9	79.2	84.6	70.5	103.8
16	95.7	86.8	83.1	79.8	74.3	73.4	80.3	79.8	83.3	85.6	83.2	113.0
20	95.7	84.1	76.8	71.2	67.8	68.7	73.5	71.6	78.8	84.1	72.3	102.2
25	97.6	92.6	88.0	80.7	77.5	73.8	77.5	75.4	83.7	90.1	86.8	107.2
32	108.0	107.3	103.2	96.0	92.8	88.3	90.8	86.2	96.8	103.6	102.2	117.2
40	94.9	87.6	83.3	77.0	73.8	74.0	74.7	76.3	82.4	86.3	81.8	105.2
50	93.8	86.8	81.7	78.2	76.0	74.0	73.8	77.0	80.9	86.5	82.1	104.1
63	102.4	100.9	94.7	93.7	88.9	80.8	81.3	90.2	87.7	95.2	95.7	117.1
80	92.5	86.4	85.0	77.6	75.8	75.5	76.9	82.5	85.7	88.2	81.9	103.3
100	94.8	92.3	91.7	81.3	82.3	78.5	82.4	87.0	91.0	93.9	87.4	103.0
125	95.5	92.4	88.7	84.8	82.5	82.2	83.3	90.0	92.6	94.4	85.8	102.3
160	95.8	93.3	90.2	83.9	81.7	81.1	81.4	88.4	91.3	94.2	85.1	103.0
200	97.4	95.2	92.9	89.5	83.8	83.3	80.2	89.5	92.8	95.6	87.3	103.2
250	96.5	94.6	91.7	87.9	84.5	83.3	85.2	89.1	92.0	95.0	85.9	101.5
320	97.2	95.8	93.6	86.4	85.3	82.3	83.7	90.1	92.9	95.3	89.5	102.7
400	96.0	95.3	93.2	90.4	82.9	78.6	85.9	89.4	92.1	94.7	88.0	100.4
500	93.7	92.5	91.6	84.9	84.7	80.9	82.5	88.2	90.9	93.2	86.8	99.8
630	91.5	90.0	88.7	84.3	80.1	78.4	82.8	87.1	88.7	91.4	86.9	99.7
800	90.5	89.2	88.0	83.6	82.8	81.6	83.0	87.7	88.9	91.4	87.2	100.5
1.0k	87.5	88.2	86.4	82.3	79.7	79.7	81.5	85.4	86.9	88.8	86.7	97.5
1.25k	86.1	86.6	85.4	81.7	79.1	78.9	80.7	84.8	86.1	87.5	86.6	96.5
1.6k	84.2	84.9	83.8	80.0	77.9	75.9	78.2	82.0	83.8	85.0	83.1	96.6
2.0k	81.6	83.6	82.1	78.7	77.4	75.5	76.7	81.1	82.2	83.7	82.9	97.5
2.5k	80.6	84.1	82.4	80.9	79.1	76.9	77.7	80.7	82.5	83.7	84.6	99.5
3.2k	79.9	85.1	83.3	81.8	78.7	77.6	79.0	81.4	82.9	84.3	84.5	100.7
4.0k	75.5	84.2	82.1	78.2	75.4	73.6	75.2	78.7	81.1	82.5	81.6	97.2
5.0k	77.7	84.0	81.2	77.3	74.8	72.6	73.5	78.5	80.8	82.3	81.3	99.1
6.3k	82.4	84.1	81.4	77.4	74.1	72.2	72.7	78.4	80.2	81.5	82.4	98.5
8.0k	83.6	83.0	80.5	75.6	72.0	69.8	71.1	76.9	78.8	81.4	80.3	96.7
10.0k	81.5	82.8	77.6	73.4	9.1	66.3	68.0	73.7	74.9	78.3	78.4	96.1
12.5k	79.7	76.2	73.1	68.3	64.1	60.8	62.6	68.1	71.1	72.8	74.8	95.0
16.0k	77.8	69.5	67.8	62.6	56.3	52.9	56.2	64.4	66.3	67.3	71.1	94.3
20.0k	72.4	62.3	62.9	60.1	48.5	44.2	47.6	62.3	64.3	67.7	65.2	91.8
PNLT	113.2	113.1	111.0	108.5	105.8	103.0	105.7	108.8	110.7	112.8	110.4	126.0
LA	99.7	99.4	97.7	93.7	90.7	89.2	91.4	95.6	97.5	99.7	96.5	112.7
SPL	112.0	109.9	106.2	100.9	97.4	94.4	97.0	100.4	103.7	107.8	104.7	123.2

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.6, + Pitch

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	89.8	82.0	71.2	62.5	53.2	57.6	69.8	67.1	74.1	0.0	54.8	97.0
6.3	92.4	82.3	70.8	65.9	58.4	65.5	72.6	69.8	74.3	0.0	59.8	103.3
8	93.7	83.0	73.6	72.6	70.0	71.9	75.0	73.3	78.8	0.0	66.2	112.5
10	94.1	83.1	71.3	68.3	63.5	69.6	72.7	71.2	78.1	0.0	65.5	103.2
12.5	92.6	82.9	73.5	71.6	65.9	68.5	72.7	72.3	78.4	0.0	70.4	103.9
16	92.5	83.7	80.1	77.8	72.5	74.1	80.3	81.2	84.9	0.0	83.2	112.1
20	92.3	82.1	75.1	71.6	66.4	68.0	71.7	71.5	80.1	0.0	71.1	105.2
25	94.8	92.2	88.1	80.8	77.4	73.4	77.3	77.9	84.5	0.0	86.5	108.9
32	107.8	107.4	103.4	95.9	92.9	88.1	89.8	88.4	97.4	0.0	102.0	117.1
40	92.4	87.1	83.1	76.5	74.4	74.9	74.2	76.2	82.2	0.0	82.1	107.6
50	92.1	86.4	81.4	78.4	77.3	73.5	72.2	76.7	80.5	0.0	81.9	106.1
63	102.0	99.9	93.5	93.6	90.0	88.2	87.6	88.7	88.0	0.0	95.7	116.6
80	91.0	86.4	84.9	77.2	76.5	74.6	76.5	81.6	85.1	0.0	81.6	104.5
100	93.7	92.7	91.7	81.3	83.2	77.4	81.0	85.4	90.1	0.0	85.8	104.1
125	94.1	92.7	88.1	84.8	83.0	80.1	81.5	87.9	91.3	0.0	84.2	103.6
160	93.3	90.9	88.4	81.7	79.9	81.3	81.4	88.2	90.8	0.0	85.0	104.2
200	94.8	93.3	90.2	87.3	83.0	84.5	89.0	89.8	92.6	0.0	87.9	104.8
250	94.3	92.9	90.2	87.1	84.3	83.7	85.3	89.1	91.5	0.0	86.3	102.1
320	94.8	93.8	91.6	84.4	84.9	82.3	83.5	89.7	92.0	0.0	89.6	103.2
400	93.2	93.2	91.5	89.7	82.0	78.2	85.8	89.0	91.4	0.0	88.1	101.1
500	91.1	90.7	90.3	84.9	85.0	81.2	82.9	88.3	90.4	0.0	87.1	100.4
630	89.7	88.6	87.4	84.4	80.0	78.9	83.3	87.2	88.9	0.0	87.2	99.9
800	89.4	88.2	87.3	83.4	81.1	82.2	83.6	87.9	89.1	0.0	87.5	100.7
1.0k	87.2	87.9	86.2	82.1	80.4	80.3	82.0	85.7	87.3	0.0	86.9	97.9
1.25k	86.9	86.9	85.4	81.5	79.5	79.4	81.4	85.5	87.1	0.0	86.5	97.0
1.6k	84.8	85.2	83.5	80.1	77.9	76.9	79.2	83.5	85.1	0.0	83.5	96.9
2.0k	82.5	83.9	82.3	79.1	77.4	76.3	77.6	82.4	83.4	0.0	83.4	97.4
2.5k	81.5	84.4	82.3	81.0	79.4	76.5	78.9	81.6	83.4	0.0	84.8	99.5
3.2k	80.6	84.9	83.1	81.9	79.1	78.1	79.6	82.1	83.2	0.0	84.4	100.2
4.0k	75.4	83.9	81.9	78.0	75.8	73.8	75.4	79.1	81.0	0.0	81.5	97.1
5.0k	77.1	83.7	81.0	77.1	74.8	72.0	73.5	78.4	80.7	0.0	81.4	98.9
6.3k	82.1	83.7	81.2	77.3	74.2	71.9	72.8	78.2	79.9	0.0	82.4	98.3
8.0k	83.7	82.8	80.3	75.5	72.3	69.5	71.0	76.7	78.3	0.0	80.3	96.6
10.0k	82.1	80.3	77.1	73.5	69.2	66.0	67.7	73.4	74.4	0.0	78.3	96.0
12.5k	78.8	75.7	72.5	68.3	64.1	60.5	62.1	67.9	70.4	0.0	75.0	94.9
16.0k	77.9	68.6	67.0	62.7	56.3	52.7	55.8	63.3	65.3	0.0	71.4	90.3
20.0k	72.8	60.9	62.8	62.2	48.8	44.2	47.0	61.6	63.3	0.0	65.3	91.6
PNLT	111.8	112.5	110.5	108.3	106.3	103.3	106.2	109.0	110.7	0.0	110.4	126.1
LA	98.3	98.	96.8	93.4	90.9	89.6	91.9	95.9	97.6	0.0	96.6	110.8
SPL	110.8	109.4	105.8	100.5	97.6	94.5	96.9	100.3	103.5	0.0	104.5	122.8

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.6, - Pitch

Hz /	Microphone Number 1	2	3	4	5	6	7	8	9	10	11	12
5	92.7	81.9	72.8	59.1	62.0	65.7	68.6	67.3	74.0	82.2	58.4	95.8
6.3	93.4	84.1	76.4	63.8	64.0	66.5	69.6	65.7	74.4	81.2	62.0	101.2
8	94.6	84.5	78.6	74.3	72.7	71.7	73.8	73.2	76.8	83.4	68.2	113.8
10	94.4	85.3	76.4	68.1	65.9	69.2	73.6	69.3	76.3	81.6	64.8	102.4
12.5	93.7	85.5	76.0	70.4	67.9	69.7	73.0	72.1	76.6	81.8	70.9	103.5
16	93.6	85.9	82.7	78.1	72.6	74.0	79.8	80.8	83.4	85.1	62.8	111.8
20	92.2	84.6	77.5	73.9	67.7	67.9	72.4	71.5	78.4	82.7	71.9	100.4
25	95.9	92.4	88.2	81.9	76.7	74.1	76.4	76.7	84.2	89.7	86.2	128.1
32	107.8	107.1	103.4	97.2	92.0	88.7	89.2	89.3	97.5	103.7	101.6	117.6
40	92.8	87.8	83.1	77.5	73.7	74.3	73.9	76.6	82.0	86.6	81.7	105.7
50	92.6	86.8	81.7	77.4	77.5	73.8	72.5	76.9	81.4	86.2	81.8	104.5
63	101.6	99.6	93.2	92.4	90.8	78.2	78.7	87.1	88.6	95.5	94.7	116.0
80	90.9	85.5	83.8	76.8	75.1	75.6	77.7	82.8	85.8	88.2	81.7	103.5
100	93.3	90.6	90.6	81.0	80.8	78.9	83.6	87.9	92.1	94.6	85.8	104.2
125	93.8	91.6	87.5	85.1	82.7	81.3	81.9	88.8	91.4	93.2	83.9	102.9
160	93.7	91.8	89.2	82.9	81.4	81.5	82.3	88.1	90.2	92.3	84.8	103.9
200	94.6	92.8	90.8	87.8	83.9	83.8	88.6	89.8	92.7	94.3	87.5	104.1
252	93.4	91.5	88.4	85.1	82.4	83.7	84.8	89.1	91.3	93.3	86.0	101.8
320	93.8	92.2	89.8	83.3	82.7	82.8	83.9	90.3	92.6	93.9	89.1	103.0
400	92.3	90.7	89.0	87.5	80.0	79.0	86.3	89.9	91.7	93.0	87.8	101.2
500	90.3	88.4	87.4	82.5	82.6	81.8	83.2	88.6	90.8	91.9	87.0	100.3
630	88.9	86.7	85.3	81.7	78.9	78.9	83.0	87.1	88.3	90.0	87.2	100.4
800	88.7	86.6	85.3	82.0	80.2	81.9	83.1	87.8	88.5	90.3	87.8	101.3
1.0k	86.4	86.7	84.9	81.5	79.4	80.3	82.3	85.6	86.9	87.6	87.4	98.1
1.25k	85.5	85.2	83.8	80.9	78.3	80.1	81.6	85.5	86.4	86.7	88.3	96.9
1.6k	84.1	83.9	82.4	79.1	77.2	77.0	78.8	82.9	84.1	84.7	83.9	96.9
2.0k	81.7	82.8	81.1	78.2	77.2	76.3	77.3	81.8	82.5	83.1	83.5	97.6
2.5k	81.2	83.3	81.4	80.6	79.4	77.1	78.5	81.2	82.8	83.3	85.1	99.6
3.2k	80.7	84.3	82.4	81.6	79.3	78.7	79.7	81.8	82.9	83.8	84.9	100.6
4.0k	76.1	83.4	81.4	77.6	75.8	74.3	75.6	79.3	81.1	82.1	82.0	97.3
5.0k	76.1	83.1	80.5	76.9	75.2	73.3	73.8	78.6	80.7	81.8	81.5	99.2
6.3k	81.2	83.4	80.3	77.0	74.6	72.5	72.9	78.4	80.0	81.1	82.6	98.7
8.0k	83.4	82.5	79.8	75.2	72.4	70.1	71.2	77.1	78.-	81.1	80.7	96.8
10.0k	82.4	79.9	76.6	73.1	69.3	66.7	67.9	73.8	74.5	78.3	78.7	96.3
12.5k	78.7	75.4	71.7	68.0	64.1	61.2	62.4	68.3	70.8	72.7	75.6	95.2
16.0k	77.5	68.3	64.9	62.3	55.8	53.4	54.0	64.6	65.6	66.4	71.9	94.4
20.0k	72.8	60.7	58.0	60.0	47.0	44.4	47.5	62.4	63.5	66.7	65.8	91.9
PNLT	111.2	111.6	109.5	107.6	105.7	103.7	104.3	109.0	110.6	112.0	110.7	126.2
LA	97.6	97.2	95.3	92.3	90.1	89.9	91.9	95.9	97.4	98.6	97.1	110.9
SPL	110.8	109.1	105.4	100.5	97.1	94.7	94.8	102.5	103.7	107.3	104.2	122.7

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.6, + Roll

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.8	85.5	72.2	64.0	60.2	69.4	73.2	69.3	77.5	81.5	62.0	97.0
6.3	92.4	86.1	72.1	66.9	62.4	70.8	75.8	70.2	79.1	83.8	63.6	102.7
8	93.5	84.9	75.3	72.4	68.7	73.8	75.8	74.7	79.0	84.8	67.8	113.2
10	94.6	85.6	74.9	70.6	64.2	72.7	77.1	72.4	78.2	84.4	68.1	104.4
12.5	93.9	85.5	75.4	73.3	67.5	72.7	76.4	74.5	80.2	84.8	72.4	105.8
16	92.3	86.6	79.7	75.9	72.4	77.0	81.1	82.3	84.9	87.0	83.6	110.7
20	92.7	85.7	76.4	72.2	67.1	70.8	75.8	73.9	80.3	84.4	72.9	107.1
25	95.9	92.6	88.2	81.1	76.4	75.7	78.7	77.8	84.8	90.5	87.3	110.5
32	107.4	106.9	103.0	95.7	91.5	89.8	92.4	89.1	97.8	104.1	122.4	118.7
40	93.4	88.0	82.7	76.9	73.4	74.9	76.9	76.3	81.5	85.9	82.8	128.3
50	92.5	87.1	81.4	78.0	77.7	75.2	74.2	77.8	81.8	86.3	81.8	107.1
63	101.7	99.9	93.3	93.1	90.7	80.5	78.9	88.8	88.3	95.1	95.2	117.0
80	90.5	85.0	82.7	76.2	74.8	74.4	77.1	81.7	84.7	86.4	80.5	104.7
100	92.?	89.8	89.1	79.6	80.2	77.6	81.8	86.1	90.0	92.4	84.3	104.8
125	93.3	90.4	86.6	83.1	81.4	79.8	81.6	87.7	89.9	91.4	82.7	103.8
160	93.4	89.7	87.0	80.8	79.1	79.2	80.1	86.6	88.7	90.8	83.4	103.8
200	93.9	91.4	89.0	85.8	81.5	83.4	86.9	88.3	91.3	92.4	85.9	104.4
250	93.6	91.2	87.7	84.1	80.8	81.6	84.0	87.4	89.7	92.6	84.8	102.0
320	94.0	91.9	89.9	82.6	82.1	81.6	82.4	88.9	91.3	92.9	88.6	102.8
400	92.6	91.2	89.6	87.3	80.1	77.6	85.0	88.4	92.3	92.3	87.3	100.9
500	90.7	88.8	88.5	82.8	82.2	80.8	82.3	87.2	89.3	91.4	86.5	100.2
630	89.0	86.9	85.9	82.2	77.8	78.6	82.4	86.2	87.4	89.9	86.6	100.?
800	88.7	86.9	85.7	81.6	78.6	82.4	83.9	86.9	87.5	89.9	87.1	101.1
1.0k	86.3	86.2	84.6	81.0	78.4	79.8	81.7	84.7	86.0	87.5	87.3	98.0
1.25k	85.9	85.1	83.4	79.9	77.2	79.1	82.6	84.0	85.1	86.6	87.8	96.8
1.6k	84.0	83.5	81.9	78.8	76.6	76.2	77.6	81.0	82.8	84.6	83.4	96.9
2.0k	81.8	82.3	80.8	77.7	76.2	75.6	76.4	80.2	81.3	83.1	82.8	97.7
2.5k	81.2	82.8	81.0	80.1	78.2	74.1	77.6	79.7	81.4	83.2	84.5	99.5
3.2k	81.0	83.7	81.8	81.1	77.9	77.7	79.0	80.5	82.0	83.9	84.3	100.7
4.0k	76.9	82.9	80.9	77.3	74.6	73.6	75.2	77.9	80.3	82.1	81.4	97.5
5.0k	75.3	82.8	80.0	76.7	74.0	72.6	73.5	77.5	80.1	81.9	81.2	99.4
6.3k	79.4	82.9	80.4	76.7	73.?	71.9	72.6	77.2	79.3	81.3	82.2	98.5
8.0k	82.4	82.1	79.4	75.1	71.2	69.6	71.0	75.9	77.8	81.2	80.0	96.9
10.0k	82.7	79.6	76.3	72.9	68.4	66.0	67.6	72.7	74.0	78.2	78.1	96.4
12.5k	79.0	74.9	71.6	67.8	63.3	62.4	62.1	66.6	69.9	72.8	74.8	95.3
16.0k	76.7	67.9	65.3	62.3	54.5	52.6	55.6	62.1	64.4	66.6	70.9	94.6
20.0k	72.5	60.5	59.5	59.7	45.0	44.0	47.2	60.2	62.4	66.6	64.8	92.2
PNLT	111.2	111.2	109.1	107.1	104.5	103.9	105.4	107.8	109.5	111.7	110.1	126.3
LA	97.6	97.0	95.3	91.9	89.0	89.2	91.2	94.6	96.2	98.2	96.5	110.9
SPL	110.6	108.9	105.0	99.7	96.4	94.4	96.6	99.5	102.9	107.0	104.6	123.5

RPM - 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.6, - Roll

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	91.0	84.3	75.7	66.3	63.0	63.6	69.0	63.2	74.9	83.9	56.7	94.8
6.3	94.0	85.7	75.9	69.1	65.2	66.5	70.2	66.9	77.2	82.5	60.4	102.8
8	93.7	87.0	79.1	73.7	71.0	68.4	71.8	70.2	77.0	84.7	68.9	115.7
10	93.9	87.6	77.0	71.2	66.5	67.5	71.6	69.6	76.7	82.1	64.5	103.1
12.5	93.4	87.8	77.5	73.7	68.0	69.3	72.9	71.7	76.4	82.5	69.5	104.1
16	93.3	88.1	83.2	80.5	75.1	71.5	77.5	78.3	81.2	85.1	81.8	111.5
20	92.4	86.7	78.5	73.5	68.0	68.1	72.2	71.7	77.2	83.3	71.9	104.1
25	95.8	93.7	88.6	81.8	78.0	72.9	76.1	77.8	85.0	91.3	87.0	109.0
32	108.3	107.6	103.6	96.4	93.3	87.4	88.8	91.8	99.7	105.7	102.4	118.0
40	93.2	88.9	83.6	77.6	74.8	73.7	73.9	76.2	81.8	86.7	82.2	106.8
50	93.1	87.8	82.1	77.4	77.2	74.1	72.8	77.8	80.8	86.4	82.6	105.0
63	102.9	100.4	93.6	92.2	88.9	79.4	82.2	90.8	86.8	94.0	95.8	116.5
80	93.4	86.8	85.1	77.6	76.5	74.5	76.1	81.1	84.4	86.9	81.0	103.5
100	92.4	91.2	91.4	80.6	83.2	75.6	80.6	84.6	89.3	93.0	85.1	104.1
125	93.7	91.6	88.4	84.7	82.5	80.0	80.5	87.4	90.7	93.1	83.5	102.5
160	94.3	91.8	88.9	81.9	80.8	78.6	79.8	86.3	89.0	91.5	83.1	102.5
200	95.8	94.5	91.4	88.3	84.4	81.2	86.3	87.9	91.0	93.5	85.2	102.6
250	95.6	93.9	90.8	87.1	84.3	81.8	83.7	87.7	90.2	93.4	84.4	100.9
320	96.5	95.4	92.7	85.1	85.5	81.4	82.0	89.1	91.5	93.7	88.6	101.6
400	95.1	95.0	92.4	89.9	82.3	77.1	84.6	88.4	90.7	93.1	87.0	100.0
500	92.7	92.7	90.9	84.3	84.5	79.8	81.8	87.6	89.7	92.3	86.2	99.0
630	91.3	90.5	88.2	84.4	79.4	77.7	82.4	86.8	88.4	91.1	86.6	99.4
800	90.9	89.8	87.9	83.5	80.5	80.8	82.1	88.0	88.7	91.1	86.6	100.2
1.0k	88.5	88.8	86.6	82.3	80.4	79.5	81.1	85.1	86.9	88.5	85.9	97.4
1.25k	87.7	87.5	85.5	81.9	79.7	78.5	80.4	85.0	86.1	87.6	85.2	96.5
1.6k	85.9	85.8	83.8	80.1	77.9	76.2	78.2	82.2	83.9	85.3	83.1	96.6
2.0k	83.4	84.3	82.3	78.7	77.4	75.4	76.9	81.2	82.0	83.6	82.9	97.2
2.5k	82.9	84.1	82.2	80.6	79.1	76.2	77.7	80.7	82.3	83.7	84.5	99.5
3.2k	82.8	84.8	82.8	81.3	78.5	77.5	78.6	81.4	82.6	84.0	84.3	99.8
4.0k	79.2	83.6	81.5	77.5	75.2	73.4	74.8	78.6	80.9	82.2	81.5	97.0
5.0k	76.4	83.5	80.7	76.9	74.4	72.5	73.1	78.2	80.6	82.1	81.4	99.0
6.3k	77.3	83.6	80.9	76.8	74.0	71.9	72.5	77.9	79.9	81.3	82.6	98.3
8.0k	81.1	82.7	79.9	75.2	71.9	69.5	70.7	76.4	78.2	81.3	80.2	96.6
10.0k	83.6	80.3	77.0	73.3	68.9	65.9	67.5	73.1	74.4	78.5	78.3	96.0
12.5k	80.8	75.8	72.5	68.0	64.0	60.3	61.9	67.0	70.5	72.9	75.2	94.9
16.0k	76.6	68.8	66.8	62.7	56.1	52.5	55.5	62.4	64.7	66.7	71.3	94.1
20.0k	72.6	61.5	61.9	60.1	47.8	43.9	46.7	60.6	62.7	66.8	65.2	91.4
PNLT	112.9	112.9	110.6	108.1	105.8	102.5	105.0	108.3	110.1	112.2	110.0	125.6
LA	99.6	99.5	97.2	93.3	90.7	88.7	92.8	95.3	96.9	99.0	96.0	110.3
SPL	111.5	110.0	106.1	100.5	97.6	93.3	95.7	100.1	103.7	108.2	104.6	123.2

RPM = 458., Collective = 3.0 deg, Blade Pressure Ratio = 1.7

Microphone Number

HZ /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.7	85.3	76.5	70.1	61.1	63.9	67.8	64.4	74.5	80.7	58.3	93.9
6.3	96.7	86.5	78.3	71.8	65.3	68.0	68.3	67.6	75.1	80.9	62.0	103.1
8	95.9	86.8	81.2	77.0	75.1	72.5	71.8	73.3	77.2	82.5	67.8	115.1
10	95.2	87.9	79.2	73.0	66.3	69.2	71.5	69.3	75.9	81.6	66.7	102.0
12.5	95.3	87.7	79.9	74.1	67.9	69.6	71.6	71.9	76.6	82.7	71.6	103.0
16	95.6	89.2	84.3	80.5	74.8	75.2	81.0	81.9	84.5	85.7	84.4	111.3
20	94.4	88.2	79.5	74.5	68.5	68.1	72.1	72.1	77.3	83.2	72.4	103.4
25	97.0	94.3	89.3	82.5	77.8	74.1	76.8	77.9	84.8	90.7	87.3	109.3
32	108.3	107.8	104.0	97.2	92.9	88.6	89.8	91.5	99.2	105.3	102.6	119.0
40	95.0	89.9	84.1	77.8	74.3	74.1	74.6	76.8	81.7	86.5	82.5	105.0
50	94.0	88.5	82.5	78.5	77.7	75.0	73.3	78.6	82.3	87.5	83.3	105.2
63	101.8	100.3	94.0	93.6	90.4	81.7	81.0	90.8	87.1	94.9	96.1	118.1
80	91.7	86.5	84.2	76.5	74.9	76.0	78.7	83.1	86.6	88.3	82.3	103.8
100	93.0	90.4	89.9	78.7	80.2	78.6	84.2	87.0	92.8	95.4	84.8	105.0
125	94.0	91.1	87.4	83.6	81.8	81.2	81.4	88.3	91.5	93.3	82.8	102.2
160	93.9	90.4	87.7	81.2	78.9	79.4	79.9	86.8	89.3	91.1	83.0	103.2
200	95.3	92.6	89.4	86.0	81.0	81.9	86.4	88.0	90.7	92.7	86.4	103.3
250	94.8	92.1	89.4	85.1	81.9	81.8	83.3	87.2	89.6	92.3	84.5	101.6
320	95.6	93.7	91.7	83.8	83.1	81.2	82.2	88.9	91.4	93.3	88.7	102.7
400	94.6	93.3	91.3	88.5	80.3	77.9	85.0	88.7	90.8	92.3	87.6	101.1
500	92.6	91.2	90.1	83.6	83.1	80.7	81.9	87.4	89.4	91.7	87.1	100.2
630	90.9	89.1	88.0	83.3	78.9	78.3	82.6	86.4	87.5	90.1	87.6	100.0
800	90.9	89.0	88.0	83.3	80.2	81.4	82.7	87.6	88.3	90.3	88.0	101.1
1.0k	89.3	90.3	88.3	83.3	80.5	80.8	82.5	85.9	87.2	88.5	88.0	99.3
1.25k	87.4	87.8	87.4	83.7	80.6	80.8	82.4	85.9	86.8	87.4	89.7	97.2
1.6k	85.6	85.5	85.0	80.6	77.6	77.1	78.9	82.3	84.0	85.1	84.3	97.4
2.0k	83.4	84.3	83.4	79.4	77.5	76.4	77.6	81.4	82.5	83.6	84.1	98.4
2.5k	83.5	84.7	83.7	81.3	79.5	77.0	78.5	81.2	83.1	84.2	86.3	100.4
3.2k	83.8	85.6	84.2	82.4	79.1	78.8	82.1	82.0	83.7	85.0	85.7	100.7
4.0k	80.7	84.4	83.2	78.7	75.9	74.9	76.4	79.6	82.2	83.3	82.8	97.8
5.0k	78.1	84.5	82.4	77.7	75.3	74.1	74.7	79.3	81.8	83.3	82.7	100.0
6.3k	77.2	84.7	82.6	78.2	75.0	73.5	74.0	79.2	81.4	82.6	83.7	99.6
8.0k	81.2	83.9	81.6	76.2	72.8	71.2	72.3	77.8	79.7	82.6	81.6	97.8
10.0k	84.5	81.3	78.6	74.3	69.7	67.5	69.1	74.6	76.1	80.1	79.7	97.4
12.5k	82.6	77.1	74.3	69.1	64.8	61.9	63.7	68.7	72.5	74.5	76.3	96.4
16.0k	78.2	70.4	69.0	63.4	56.5	54.1	57.3	63.7	67.1	68.6	72.5	96.0
20.0k	73.9	63.6	64.7	60.3	47.2	44.9	48.1	61.7	65.0	68.8	66.2	93.7
PWLT	112.7	113.0	111.2	108.4	105.8	103.7	106.1	108.9	110.8	112.6	112.4	126.5
LA	99.5	99.2	97.7	93.5	90.5	89.0	91.7	95.5	97.2	98.8	97.7	111.3
SPL	111.6	109.9	106.2	100.8	97.2	94.4	96.4	100.3	103.8	108.0	105.0	123.8

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	77.7	70.6	55.9	59.4	61.5	55.8	58.6	55.0	61.9	67.4	54.5	81.3
6.3	78.5	71.0	59.2	62.6	61.4	57.2	59.7	59.5	64.6	69.3	56.9	85.1
8	81.1	68.7	59.0	61.7	61.1	57.2	59.6	58.5	64.4	71.6	59.5	85.6
10	80.8	71.6	63.7	64.6	62.5	57.5	63.5	61.9	67.2	73.6	59.3	87.4
12.5	79.8	71.3	62.0	64.6	62.4	59.9	63.3	63.3	66.8	72.4	61.7	88.2
16	80.6	71.9	62.9	63.2	62.8	55.1	63.2	64.1	68.1	73.8	65.0	89.0
20	80.8	72.1	66.2	66.3	63.2	57.0	62.6	61.8	67.4	72.7	62.5	89.5
25	85.0	78.5	74.7	76.2	67.4	71.4	76.4	77.8	78.7	83.5	81.3	96.7
32	98.6	92.6	89.2	91.6	80.8	87.1	91.8	93.5	94.0	98.6	96.9	110.3
40	81.7	76.9	73.5	73.9	66.2	69.3	72.3	73.1	74.3	77.7	76.8	93.6
50	81.5	79.4	75.2	71.8	66.4	68.7	70.9	74.9	76.2	75.9	76.1	95.6
63	94.7	94.1	87.2	83.9	76.7	82.3	84.6	91.5	91.9	88.0	92.2	109.2
80	84.0	83.6	83.0	73.3	74.0	68.1	72.0	76.9	83.6	87.2	77.4	95.2
100	91.7	92.0	91.9	81.2	82.6	74.6	78.9	84.4	92.3	95.8	84.8	100.2
125	93.3	89.8	86.0	84.3	82.3	80.0	80.0	86.9	90.1	90.5	85.4	99.7
160	90.4	88.7	86.8	79.6	78.5	78.1	76.0	85.6	87.1	90.3	81.1	97.2
200	90.3	90.1	88.5	84.0	79.7	76.9	81.7	82.9	87.1	89.6	81.6	99.2
250	89.3	87.2	84.9	80.8	78.5	77.3	78.2	82.7	84.7	87.4	80.4	97.8
320	91.3	88.4	86.9	79.2	78.9	76.2	77.4	83.1	85.9	87.4	85.9	100.4
400	91.1	88.8	86.9	83.1	76.5	73.3	79.3	83.8	85.4	88.0	82.4	98.9
500	90.1	87.8	86.7	80.0	79.1	74.9	77.7	83.6	85.3	87.5	80.9	99.4
630	88.3	86.0	84.5	79.6	75.3	73.4	77.8	83.0	84.2	87.1	81.3	98.4
800	87.4	84.7	83.1	78.5	76.4	76.8	78.2	84.6	84.3	86.3	81.8	98.5
1.0k	83.6	82.1	79.9	76.4	74.1	74.1	76.1	80.3	81.8	83.9	80.3	96.9
1.25k	83.7	81.6	80.0	76.5	74.6	74.0	76.2	79.8	81.4	83.4	80.4	94.0
1.6k	81.1	79.7	77.8	75.2	73.5	73.1	74.8	77.8	79.8	81.4	80.4	92.8
2.0k	79.2	78.3	77.1	74.8	73.8	73.4	73.6	77.8	79.1	80.2	81.3	92.6
2.5k	77.7	77.8	76.6	75.7	75.1	73.8	74.8	77.2	78.7	79.7	82.8	95.7
3.2k	76.2	76.9	75.9	75.3	73.2	73.5	75.4	76.8	78.2	79.5	80.2	96.8
4.0k	71.0	73.5	72.6	69.2	66.8	68.1	70.0	72.6	75.0	76.4	76.1	93.7
5.0k	67.6	73.1	71.2	67.8	65.6	67.3	67.6	72.0	74.3	75.7	76.2	95.9
6.3k	65.2	72.6	70.4	66.9	64.1	66.0	65.8	70.9	72.6	73.0	77.7	94.7
8.0k	67.1	68.7	66.9	62.8	60.0	61.1	62.6	67.7	68.8	71.6	72.7	91.5
10.0k	69.7	65.5	63.0	59.9	56.7	56.9	58.8	63.5	63.9	68.4	70.8	89.3
12.5k	67.3	60.4	57.4	55.9	52.4	52.0	54.1	57.8	59.9	61.7	69.5	86.6
16.0k	62.3	53.4	52.9	54.1	46.9	44.7	48.8	55.5	55.8	56.2	66.1	83.6
20.0k	60.2	49.2	50.3	54.2	39.9	37.3	43.7	55.2	53.5	57.6	61.1	79.9
PNLT	107.6	106.3	104.5	101.9	100.4	99.6	101.4	105.0	105.9	107.5	107.3	122.3
LA	95.3	93.4	91.8	87.8	85.6	84.7	86.6	91.0	92.4	94.4	92.0	107.6
SPL	103.8	101.2	98.7	95.4	91.0	91.3	94.6	98.4	100.3	103.0	99.9	115.1

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	78.6	73.3	61.6	57.6	54.6	57.6	62.5	55.7	63.5	72.2	58.2	83.6
6.3	80.3	75.2	64.3	59.5	56.8	61.5	63.4	58.9	64.1	73.1	60.8	87.8
8	81.4	75.6	67.1	61.7	60.4	62.0	64.8	61.5	68.0	73.6	61.1	96.4
10	82.4	75.1	65.7	63.4	59.3	60.5	66.2	61.8	69.0	75.1	63.3	88.3
12.5	82.4	76.3	67.1	64.7	60.9	62.3	65.7	64.7	69.1	75.6	63.6	89.1
16	82.5	75.7	66.1	63.3	58.2	59.7	63.3	63.0	69.1	75.6	63.8	92.0
20	83.2	74.5	66.5	65.5	62.0	58.3	64.2	63.4	69.6	75.5	63.2	90.3
25	85.6	77.7	72.1	74.8	67.7	71.1	74.0	77.1	78.1	83.4	81.0	97.0
32	97.1	89.8	85.3	90.0	81.8	86.6	91.1	92.7	92.8	97.7	96.8	110.2
40	82.9	77.1	73.6	73.6	66.9	70.9	72.4	73.6	75.7	78.9	76.8	93.4
50	82.0	79.5	75.7	71.1	66.2	68.6	71.0	74.3	76.0	76.8	75.1	95.9
63	93.7	93.2	86.5	82.5	75.6	81.8	83.9	90.8	91.3	88.0	91.1	107.0
80	83.9	83.0	82.0	71.7	72.6	67.6	71.1	76.8	82.6	86.6	77.3	94.5
100	91.4	91.5	91.0	79.3	81.2	73.9	77.7	84.2	91.3	95.1	85.0	99.6
125	92.3	89.0	85.5	83.2	80.9	79.7	82.4	87.5	90.0	90.7	83.7	96.3
160	89.8	87.7	86.4	77.8	76.9	76.6	78.1	84.1	85.6	89.5	79.1	95.7
200	87.9	87.7	86.0	82.0	77.6	77.9	82.7	83.8	88.0	88.8	80.8	96.7
250	86.4	84.9	82.2	77.8	75.9	76.8	78.1	82.1	84.4	87.1	80.0	95.2
320	87.9	86.0	84.2	76.3	76.7	75.9	77.2	83.6	85.8	87.2	85.4	97.9
400	87.3	86.0	84.1	80.5	74.1	71.8	79.4	83.3	85.6	87.8	81.2	96.9
500	86.5	84.7	83.5	77.7	76.5	74.8	77.3	83.2	85.4	87.0	80.1	97.3
630	85.5	83.3	81.9	77.1	72.8	72.8	77.2	82.0	83.8	86.1	80.0	97.2
800	84.6	82.5	80.7	76.2	73.5	76.8	77.3	83.9	84.1	85.6	80.4	97.5
1.0k	81.7	80.4	78.0	74.3	71.3	73.5	75.4	79.6	81.1	83.0	78.9	95.8
1.25k	81.3	80.1	78.0	74.2	71.9	73.4	75.5	79.2	81.2	82.6	79.2	93.4
1.6k	78.9	78.7	76.6	73.4	71.4	72.5	74.0	77.3	79.6	80.8	79.3	92.3
2.0k	76.9	77.6	76.3	73.3	71.5	72.6	72.8	77.1	78.5	79.7	80.4	92.4
2.5k	76.8	78.5	77.0	75.6	73.8	72.7	73.8	76.5	78.7	79.7	81.8	96.4
3.2k	76.0	78.0	76.0	75.0	71.6	72.9	74.3	76.3	78.1	79.7	79.7	97.1
4.0k	72.0	75.9	73.9	70.0	67.2	68.1	69.7	73.2	75.9	77.6	76.4	93.9
5.0k	68.9	75.9	73.3	69.3	66.5	67.9	68.1	73.2	75.7	77.0	77.1	96.3
6.3k	67.5	75.8	73.3	69.3	66.0	66.9	67.0	72.2	74.1	75.4	78.8	95.6
8.2k	70.0	73.7	71.2	66.3	62.8	62.9	64.0	69.6	71.3	73.6	74.3	91.9
10.0k	72.9	70.3	67.2	63.8	59.7	58.8	59.9	65.0	66.2	70.3	72.1	89.8
12.5k	71.0	65.3	61.8	58.8	54.5	53.7	54.6	59.0	61.9	64.0	70.4	87.5
16.0k	65.3	57.5	55.4	54.8	46.4	46.4	48.4	55.5	56.2	57.9	67.0	84.6
20.0k	61.2	51.3	51.1	53.8	38.0	37.9	42.9	55.1	54.4	58.3	61.4	80.9
PNLT	105.5	105.9	103.9	101.2	99.0	99.3	100.8	104.8	105.9	107.6	106.6	121.9
LA	92.7	91.9	90.0	86.2	83.5	84.2	86.0	90.5	92.3	93.9	91.3	107.1
SPL	102.4	99.8	97.0	93.7	89.5	90.9	94.1	97.9	99.8	102.4	99.5	114.2

ORIGINAL PAGE IS
OF POOR QUALITY

RPM = 450., Collective = 6.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	84.9	74.1	64.8	57.4	53.9	57.5	61.6	57.2	69.1	75.9	54.2	85.8
6.3	85.3	75.2	66.1	60.0	56.3	59.2	60.3	60.6	68.9	77.2	58.3	98.8
8	87.0	75.4	67.6	61.6	59.6	62.5	65.8	64.1	70.8	77.8	63.1	99.4
10	85.8	75.3	67.7	63.3	58.9	59.1	65.6	62.9	73.3	76.7	60.4	93.4
12.5	86.4	75.3	67.4	64.7	60.4	60.9	65.4	65.6	73.1	77.8	62.2	93.5
16	86.9	76.8	71.7	65.9	59.7	59.8	62.9	66.2	73.8	78.3	65.1	96.9
20	86.6	76.4	69.2	66.2	61.8	59.6	60.2	64.1	72.2	77.6	64.4	95.6
25	87.5	81.8	73.5	72.2	70.8	71.8	73.8	73.8	75.6	81.8	82.8	100.4
32	87.4	94.4	86.3	86.3	86.0	86.6	90.9	88.8	86.9	94.6	98.5	111.5
40	85.4	78.8	74.5	73.2	68.7	64.7	72.3	71.4	74.1	77.6	77.9	97.7
50	84.2	80.1	76.1	71.8	69.3	69.0	72.9	72.7	75.7	78.3	72.6	98.2
63	92.9	92.6	87.2	68.8	78.9	80.2	81.3	80.4	93.3	94.2	87.8	102.2
80	85.2	82.6	81.6	71.9	72.5	67.9	70.4	75.8	80.7	85.1	76.7	96.2
100	91.7	90.6	90.1	78.7	80.7	72.1	74.8	81.5	88.2	93.8	84.1	99.8
125	92.4	88.5	85.1	82.7	80.1	77.2	78.6	85.2	87.3	88.9	83.4	97.5
160	90.2	87.7	86.5	78.8	76.9	76.4	76.1	83.6	85.7	89.1	79.9	96.8
200	89.4	89.2	87.1	82.7	78.8	79.1	83.2	85.0	87.8	89.1	81.5	98.2
250	89.1	87.8	84.0	80.1	77.2	79.1	79.8	83.4	85.9	88.4	80.6	96.2
320	90.7	88.4	86.7	78.7	78.3	77.2	77.9	84.9	87.1	89.6	86.2	99.1
400	90.0	88.6	86.7	83.3	76.3	77.1	79.2	84.9	86.7	89.3	82.8	97.9
500	88.5	87.8	86.5	79.6	78.7	76.1	78.7	84.6	86.6	88.5	82.5	98.7
630	87.1	85.3	84.3	79.5	74.8	73.7	73.7	83.8	85.2	88.5	81.5	97.9
800	86.2	84.3	82.9	78.1	75.2	77.1	74.8	85.1	85.3	86.7	79.7	97.1
1.0k	86.2	82.7	81.7	79.8	75.0	73.A	75.7	82.2	81.8	83.8	80.3	96.2
1.2k	82.4	81.1	79.3	78.1	74.3	72.2	74.0	80.0	79.9	83.3	79.6	92.3
1.25k	82.4	80.3	79.3	77.4	73.8	72.0	72.6	77.6	79.9	81.3	79.9	93.2
1.6k	80.3	78.2	78.3	77.7	76.2	74.1	71.9	77.3	78.5	80.1	80.2	96.8
2.0k	78.2	78.0	78.3	77.7	77.2	73.7	72.0	76.8	76.8	80.3	80.4	97.0
2.5k	77.9	79.8	78.1	77.2	76.2	72.1	72.4	77.4	78.9	78.8	77.6	94.5
3.2k	78.3	78.3	76.5	72.6	72.0	69.9	73.5	74.5	77.2	78.7	78.7	97.1
4.0k	74.9	79.8	76.2	71.9	72.0	69.3	75.4	75.1	77.3	78.7	78.7	97.1
5.0k	71.2	78.6	76.6	72.0	69.6	66.6	71.2	74.0	76.1	77.9	80.0	96.6
6.3k	73.3	76.8	74.8	69.6	67.2	63.5	69.4	70.2	74.0	77.9	80.0	93.4
8.0k	76.3	73.8	71.4	67.2	62.2	60.8	66.6	69.2	71.9	73.6	76.3	91.2
10.0k	74.7	69.2	66.2	62.2	62.2	58.6	64.8	66.2	67.7	68.5	72.5	88.8
12.5k	69.2	61.6	59.8	56.4	56.4	56.6	62.3	60.9	63.7	66.3	71.8	86.3
16.0k	64.8	54.8	52.8	53.5	41.5	38.5	56.5	56.4	58.1	59.2	67.6	82.8
20.0k	107.5	107.5	105.7	102.8	102.4	85.8	84.7	87.8	91.5	93.1	95.2	107.7
PNLT	94.5	93.6	92.1	87.8	87.9	85.2	90.8	94.1	96.8	98.7	101.6	102.3	114.9
LA	103.5	101.8	97.9	93.2	91.2							
SPL												

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.0	79.8	68.1	61.8	53.5	47.6	57.6	57.8	64.3	75.9	55.6	92.1
6.3	86.0	80.0	70.9	64.8	54.9	52.3	59.7	58.4	66.8	76.6	58.9	95.1
8	86.8	82.2	72.6	65.5	58.0	57.8	61.1	64.4	69.7	76.9	61.2	103.4
10	87.4	81.3	73.3	66.8	62.3	56.7	65.5	64.8	70.7	78.2	61.4	96.5
12.5	85.6	81.0	72.4	67.5	63.0	60.0	66.2	66.1	71.0	79.3	64.0	98.7
16	87.8	82.3	76.6	69.8	63.2	61.8	69.5	73.3	76.7	81.9	71.7	106.0
20	89.2	81.5	73.7	67.9	63.8	59.9	64.7	66.0	72.0	78.4	67.8	100.3
25	90.1	87.1	81.4	74.0	73.7	70.8	74.4	69.8	78.1	85.2	84.6	105.6
32	101.9	101.0	96.5	88.3	89.1	86.3	89.1	79.3	92.1	99.0	100.0	115.7
40	87.7	83.0	77.6	73.7	70.8	72.6	72.3	74.1	78.0	81.7	79.4	103.2
50	86.3	80.7	76.4	70.8	70.1	71.8	71.5	73.8	78.3	82.2	73.6	101.8
63	91.3	87.8	84.1	76.0	80.0	78.1	79.5	85.2	89.6	93.4	82.7	105.2
80	87.2	83.5	81.5	73.1	72.6	69.8	71.5	77.5	81.7	85.5	76.6	100.2
100	93.0	90.6	89.2	79.6	82.3	75.9	75.8	83.1	88.6	92.4	83.2	100.7
125	93.2	89.6	86.5	83.4	80.8	77.3	78.8	85.1	87.3	89.9	83.3	100.8
160	92.1	90.7	88.6	81.4	79.3	77.5	76.7	84.6	87.0	90.5	81.4	99.1
200	93.1	92.3	90.0	85.9	82.3	79.2	84.4	86.0	89.4	90.9	83.5	100.0
250	91.7	89.9	87.1	83.3	80.2	79.0	80.7	84.5	87.4	89.9	81.9	98.5
320	92.6	90.9	88.7	80.7	81.1	77.9	79.1	85.4	87.9	90.1	86.9	100.1
400	91.7	90.5	88.4	85.8	78.3	74.9	81.8	85.6	87.9	90.1	83.3	98.6
500	90.8	88.8	87.3	81.4	80.7	77.1	79.6	84.8	87.2	89.4	81.9	98.8
630	89.2	87.3	85.2	80.8	76.0	74.6	78.8	84.0	85.6	88.5	81.9	98.4
800	88.4	86.3	83.9	79.5	77.2	78.6	78.9	85.1	85.8	88.1	82.6	97.9
1.0k	84.9	83.5	80.7	76.8	74.3	75.1	74.8	81.2	82.8	85.3	80.7	95.7
1.25k	84.5	83.3	80.6	77.1	74.8	74.9	76.5	80.9	82.7	84.7	81.1	94.3
1.6k	81.9	81.1	78.7	75.3	73.3	73.4	74.7	78.6	80.8	82.2	80.0	93.4
2.0k	79.6	80.2	78.0	74.9	73.4	72.8	73.6	78.5	79.4	80.6	80.9	94.1
2.5k	78.9	80.1	77.8	77.1	74.9	73.1	74.7	77.7	79.4	80.2	82.0	97.1
3.2k	79.3	81.3	78.6	78.0	74.8	74.3	75.9	78.1	79.5	81.0	81.2	97.9
4.0k	76.1	80.2	77.3	73.8	71.2	70.5	71.7	75.4	78.1	79.7	78.4	94.8
5.0k	73.3	80.1	76.8	73.3	70.7	69.9	70.3	75.5	77.9	79.6	79.2	97.4
6.3k	72.6	80.5	77.3	73.3	70.4	69.2	69.7	75.3	77.0	79.0	80.8	96.9
8.0k	75.1	79.2	76.1	71.6	68.2	66.0	67.3	73.3	74.9	77.8	77.3	94.1
10.0k	78.2	76.2	73.0	69.3	65.4	62.1	63.5	68.9	69.9	74.1	75.1	92.2
12.5k	76.4	71.8	67.9	64.1	60.4	57.0	58.0	62.5	65.6	68.2	72.7	90.2
16.0k	71.2	64.8	61.0	58.2	52.1	49.2	51.8	57.6	59.5	61.5	69.2	88.2
20.0k	66.2	57.7	54.3	54.7	43.2	39.5	43.6	55.8	57.4	61.5	63.3	85.0
PNLT	109.2	109.2	106.6	104.2	101.9	100.8	102.2	105.2	107.2	109.3	107.5	123.2
LA	96.5	95.5	93.2	89.4	86.6	85.7	87.6	92.1	93.9	96.0	92.7	108.3
SPL	106.0	104.2	100.8	95.0	93.4	91.1	93.6	96.3	99.8	103.7	101.5	118.5

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	90.3	80.0	73.7	58.3	57.8	62.7	67.2	61.0	72.1	79.8	54.5	92.7
6.3	90.7	81.0	72.9	60.7	60.2	64.3	67.7	61.7	72.6	78.9	57.0	96.9
8	90.7	81.8	75.4	65.9	64.2	69.8	69.5	69.1	74.7	80.2	64.7	103.9
10	90.0	82.9	76.2	66.8	64.6	66.2	69.4	65.5	74.9	80.5	62.5	98.9
12.5	90.6	82.5	77.2	67.8	64.7	66.3	69.4	68.0	75.4	81.8	66.2	101.1
16	89.0	82.8	77.9	68.8	64.9	66.6	70.7	71.8	77.3	82.5	70.4	111.3
20	89.8	82.1	77.1	69.3	65.5	64.9	68.8	68.3	75.2	81.1	69.5	103.2
25	93.4	90.3	86.1	77.8	75.7	72.2	75.4	73.8	82.5	88.8	86.1	107.9
32	105.9	105.0	100.7	92.2	91.1	86.8	89.4	87.4	96.9	103.0	101.8	118.6
40	89.7	85.6	81.0	75.7	72.3	72.0	73.1	74.2	79.8	84.4	80.9	105.6
50	87.7	82.5	78.2	73.9	72.6	72.6	71.1	75.1	79.2	83.0	76.5	105.8
63	96.3	91.8	84.6	85.1	82.9	73.6	75.2	81.9	84.3	91.4	87.9	111.7
80	88.3	84.5	83.3	75.3	74.6	71.6	72.7	79.4	82.4	85.1	77.4	104.3
100	93.7	91.2	90.5	81.4	82.1	78.2	77.6	85.6	88.8	91.1	82.5	103.3
125	93.9	90.8	87.6	84.2	82.0	76.7	77.8	84.6	87.4	92.1	84.2	103.4
160	94.8	92.0	88.8	81.9	80.3	79.4	78.9	86.3	89.0	90.6	83.4	102.8
200	95.8	93.7	91.9	87.4	83.2	81.0	86.1	88.1	90.9	92.9	84.9	102.1
250	95.2	92.6	90.2	86.3	83.2	80.9	82.7	86.7	89.2	92.1	83.3	100.4
320	96.1	93.6	91.8	83.9	83.1	80.4	81.0	87.8	90.2	92.0	87.3	101.8
400	94.6	93.1	91.3	88.0	81.2	76.5	83.0	87.1	88.9	91.5	85.7	99.2
500	92.8	91.0	90.2	83.3	82.9	78.1	80.2	86.3	88.6	90.9	84.4	98.6
630	91.1	89.2	87.9	82.9	78.2	75.9	80.5	85.7	87.3	90.2	83.9	98.7
800	89.6	88.0	86.7	81.5	78.4	78.5	79.9	86.5	87.2	89.7	84.1	98.3
1.0k	86.3	85.3	84.0	79.3	76.0	76.0	77.7	82.3	84.3	87.0	82.1	95.8
1.25k	85.9	85.2	84.0	79.3	76.5	75.7	77.0	81.9	83.5	85.8	82.0	95.3
1.6k	84.0	83.2	82.3	78.2	75.4	74.2	75.8	79.6	81.4	83.5	80.8	94.7
2.0k	81.8	82.3	81.0	77.3	75.5	73.8	74.8	79.1	80.2	81.7	81.2	95.4
2.5k	80.8	82.0	80.7	79.3	77.1	74.5	76.2	78.6	80.1	81.3	82.4	98.1
3.2k	81.3	82.6	81.1	79.7	76.6	75.7	77.0	79.0	80.2	81.8	81.9	98.7
4.0k	77.9	81.5	79.7	75.5	72.9	71.5	72.9	76.3	78.6	80.0	79.2	95.7
5.0k	74.6	81.2	78.7	74.8	72.3	70.8	71.3	76.3	78.5	79.8	79.3	97.7
6.3k	73.3	81.5	79.1	74.8	71.8	70.0	70.6	76.1	77.6	79.2	80.5	96.8
8.0k	76.9	80.4	78.1	73.1	69.7	67.4	68.8	74.3	75.7	78.9	78.3	95.1
10.0k	80.3	77.8	75.2	70.9	67.0	63.5	65.2	70.4	71.6	75.9	76.5	93.8
12.5k	78.5	73.2	70.4	65.9	62.0	58.5	59.9	64.3	67.2	69.6	73.7	92.1
16.0k	73.0	66.0	64.4	59.0	53.8	51.3	54.6	59.1	61.2	63.0	70.1	90.7
20.0k	68.0	59.3	58.5	55.7	45.0	43.2	48.6	56.8	59.0	62.8	64.2	87.5
PNLT	111.7	110.8	109.0	106.2	103.7	100.7	103.2	106.3	108.1	110.2	107.7	124.5
LA	98.7	97.5	96.0	91.6	88.6	86.7	88.7	93.4	95.2	97.4	93.7	109.0
SPL	109.2	107.3	103.9	97.6	95.4	92.1	94.5	98.0	101.7	106.0	103.1	121.6

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	90.6	85.0	74.1	72.8	66.0	59.2	60.1	64.6	72.7	83.7	59.9	94.2
6.3	91.2	85.7	74.5	75.5	70.5	63.0	63.5	65.9	73.0	82.3	62.0	100.6
8	91.5	84.8	76.1	76.2	72.1	68.8	70.1	72.0	76.0	85.6	68.3	112.3
10	91.5	85.7	77.4	75.7	71.1	64.5	68.9	68.3	77.1	86.3	67.0	101.2
12.5	90.8	85.1	75.7	75.4	71.5	66.8	69.4	69.7	78.9	84.5	69.1	103.2
16	91.1	85.9	78.8	76.6	72.8	72.5	75.4	76.6	80.7	85.2	79.1	111.0
20	90.8	85.8	77.3	76.1	69.7	64.8	69.1	70.1	78.3	85.0	71.2	104.4
25	95.5	93.2	88.7	81.6	77.3	73.3	76.1	76.9	85.1	91.6	87.5	108.2
32	108.6	107.7	103.8	95.7	92.3	88.2	89.8	90.2	99.1	105.6	102.9	118.4
40	91.6	88.2	83.2	77.9	73.3	73.6	73.4	77.3	82.5	87.1	82.1	106.0
50	89.9	85.2	79.7	76.6	74.8	72.1	72.9	75.6	80.6	85.6	80.3	105.3
63	103.1	97.8	91.2	90.3	87.4	76.2	77.8	84.1	87.8	95.8	93.9	116.4
80	89.3	85.8	84.9	76.5	76.1	71.8	73.4	78.5	81.9	85.4	79.1	103.2
100	93.5	92.2	92.4	82.4	83.7	75.4	78.4	83.0	87.1	90.6	82.7	104.1
125	92.1	89.8	86.4	82.9	80.9	77.6	78.5	85.2	87.5	91.9	82.8	103.1
160	92.9	89.6	87.0	82.3	78.6	78.3	77.8	84.9	87.5	90.1	82.9	103.5
200	93.6	91.5	88.8	85.2	81.3	79.7	80.9	86.0	89.4	91.5	83.9	103.1
250	92.7	90.5	87.4	83.3	80.5	79.8	81.5	84.9	87.9	90.1	82.9	100.5
320	93.4	91.8	89.1	81.1	80.9	79.1	79.8	86.1	88.6	90.1	87.0	101.1
400	92.3	90.5	88.6	85.9	77.3	74.6	81.5	85.1	87.9	89.9	84.3	99.5
500	90.9	88.1	87.1	80.5	80.2	77.3	79.2	84.3	87.2	88.8	83.2	98.9
630	89.4	86.5	85.0	80.2	75.9	75.3	79.2	83.5	85.7	87.8	83.7	98.7
800	88.2	85.7	84.0	79.6	77.2	78.5	79.5	85.2	86.2	88.0	83.9	99.1
1.0k	84.6	83.2	81.5	77.1	75.5	76.0	77.3	81.1	83.7	85.0	82.8	96.3
1.25k	84.7	83.7	81.9	77.6	75.3	76.0	77.2	81.8	84.2	85.0	82.7	95.9
1.6k	83.3	82.9	81.5	77.5	74.9	74.6	75.9	80.2	82.9	83.3	81.7	95.9
2.0k	81.9	82.1	80.3	76.9	75.1	74.3	75.6	80.1	82.1	82.7	82.2	96.4
2.5k	81.0	82.6	80.8	79.6	77.6	76.0	77.8	79.7	82.6	82.4	84.0	98.9
3.2k	81.5	83.3	81.4	80.4	77.6	76.9	77.8	79.8	81.9	83.0	83.4	99.3
4.0k	78.7	82.6	80.4	76.5	73.9	72.4	73.9	77.3	80.2	81.4	80.5	96.6
5.0k	76.0	82.5	79.7	75.8	73.4	71.6	72.4	77.2	80.0	81.2	80.9	98.7
6.3k	74.6	82.6	79.9	76.2	73.1	71.0	71.7	77.0	79.5	80.4	82.0	97.9
8.0k	78.2	81.5	78.9	74.4	70.9	68.6	69.9	75.3	77.6	82.4	79.6	95.9
10.0k	81.8	79.3	76.0	72.4	68.1	64.8	66.6	71.7	73.5	77.6	77.8	95.0
12.5k	80.0	74.7	71.2	67.3	63.2	59.8	61.3	65.6	69.6	71.7	75.1	93.6
16.0k	74.9	67.8	65.3	62.1	54.8	51.9	50.4	60.2	64.0	65.1	71.2	92.6
20.0k	70.2	60.9	59.0	60.2	45.3	42.4	46.0	57.4	61.7	64.9	65.1	89.9
PNLT	110.5	110.7	108.5	106.2	103.9	101.2	103.6	106.3	108.8	110.3	109.3	125.2
LA	97.2	96.3	94.3	92.5	87.8	86.9	88.7	92.7	95.1	96.5	94.3	109.8
SPL	110.7	109.2	105.4	98.9	95.8	92.3	94.3	97.5	102.3	107.5	104.3	122.7

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.6, + Pitch

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	91.6	85.7	75.7	70.3	54.3	67.1	70.0	67.4	77.2	87.2	56.0	98.5
6.3	94.0	86.3	75.9	73.9	62.1	68.7	69.8	69.9	78.6	88.2	59.4	103.8
8	93.3	87.1	77.8	75.5	68.1	72.5	73.4	73.6	80.2	88.4	66.2	114.1
10	92.7	86.3	77.4	73.1	63.6	70.4	72.7	68.8	81.2	87.4	64.6	105.3
12.5	92.0	85.9	77.6	75.5	65.7	71.6	72.2	71.6	80.7	88.1	68.4	106.6
16	91.4	86.3	77.9	76.4	66.9	73.2	77.6	78.5	83.9	87.7	79.5	112.5
20	92.0	86.2	77.9	74.8	65.8	68.7	72.4	71.8	81.7	87.9	71.4	108.4
25	95.6	93.2	88.4	81.4	76.2	73.7	76.5	77.6	85.9	92.1	87.3	110.6
32	108.3	107.6	103.7	96.2	91.9	87.4	89.4	90.8	99.7	105.6	102.8	119.7
40	92.6	88.3	83.4	77.5	72.9	75.3	73.9	77.8	83.3	88.7	82.3	108.9
50	89.7	84.7	79.0	75.3	74.5	73.7	72.0	76.8	82.1	87.9	79.8	108.1
63	98.5	95.7	88.8	87.9	86.5	76.2	77.4	84.3	88.3	97.3	94.0	116.3
80	89.9	85.7	84.5	76.0	76.3	72.1	74.1	79.6	82.9	86.8	79.9	106.0
100	93.9	92.4	92.2	82.2	84.1	77.2	79.4	85.2	88.8	91.5	84.5	106.6
125	92.8	90.3	86.9	83.3	81.1	81.2	83.1	88.9	90.6	92.5	84.7	106.0
160	93.0	90.8	88.0	81.0	78.8	80.5	80.6	87.5	89.8	91.6	83.9	105.2
200	93.8	92.1	89.8	86.1	82.0	82.6	87.2	88.9	91.2	92.8	85.8	104.8
250	92.8	90.7	87.6	84.1	80.9	81.5	83.2	87.3	89.7	91.9	83.5	101.7
320	93.7	92.2	89.9	81.7	82.1	81.3	82.4	88.7	91.1	92.0	87.3	102.0
400	92.1	91.4	89.1	86.6	78.6	77.1	83.9	87.8	90.2	91.9	85.3	99.6
500	90.6	89.3	88.0	81.2	81.0	79.1	80.6	87.2	89.4	91.0	84.5	99.2
630	89.5	87.6	85.8	80.8	76.9	76.9	80.4	85.5	87.4	89.6	84.3	99.0
800	88.8	87.0	85.2	80.4	77.9	80.0	81.1	86.3	87.3	89.4	84.9	98.9
1.0k	85.2	84.4	82.4	78.2	75.8	76.6	77.7	82.1	84.2	85.9	82.9	96.3
1.25k	85.4	84.6	82.8	78.6	76.2	76.7	77.9	82.4	84.0	85.4	83.2	96.0
1.6k	84.0	83.5	81.7	78.0	75.4	74.8	75.7	80.2	82.4	83.7	81.8	96.0
2.0k	82.1	82.7	82.9	77.5	75.4	74.7	75.0	79.7	81.0	82.3	82.1	96.3
2.5k	81.3	82.8	81.2	79.8	77.7	75.7	76.8	79.7	81.5	82.2	83.7	94.9
3.2k	81.9	83.4	81.5	80.4	77.4	77.1	77.5	80.0	81.5	82.9	83.3	99.3
4.0k	79.0	82.6	80.2	76.3	73.9	72.7	73.7	77.4	80.0	81.4	80.4	96.7
5.0k	76.1	82.3	79.4	75.5	73.0	71.9	72.3	77.3	79.6	81.2	80.6	98.7
6.3k	74.2	82.6	79.7	75.8	72.8	71.3	71.6	77.3	79.2	80.6	82.9	98.0
8.0k	77.6	81.5	78.7	74.1	70.6	68.9	69.9	75.7	77.4	80.5	79.5	95.8
10.0k	81.6	79.1	75.8	72.1	67.9	65.3	66.7	72.4	73.5	77.7	77.8	95.8
12.5k	80.8	74.6	71.0	66.8	63.8	60.4	61.8	66.5	69.5	71.7	75.8	93.6
16.0k	74.7	67.3	64.9	61.8	54.7	54.9	54.3	62.2	64.2	65.5	71.1	92.6
20.0k	70.8	60.1	58.8	59.9	45.5	47.0	46.1	59.7	61.9	65.2	65.3	89.9
PNLT	110.7	111.0	108.8	106.3	103.9	103.1	104.0	107.2	109.2	111.1	108.9	125.5
LA	97.4	96.9	94.8	90.9	88.2	87.8	89.4	93.9	95.9	97.5	94.6	109.9
SPL	110.6	109.1	105.4	99.1	95.7	93.2	95.4	99.3	103.5	108.2	104.4	124.0

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.6, = Pitch

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.0	81.8	74.0	73.1	65.5	53.2	61.2	61.0	73.2	83.9	57.1	95.0
6.3	93.4	82.2	75.2	73.8	65.9	58.7	63.3	65.1	74.9	85.8	60.3	101.8
8	93.2	83.7	77.6	75.9	70.5	67.0	68.8	71.8	77.1	85.5	66.0	114.2
10	92.7	82.8	76.9	76.1	67.2	60.0	68.4	68.0	76.1	85.2	64.5	101.5
12.5	92.3	83.6	78.0	76.7	68.4	63.2	69.2	70.5	77.4	83.9	68.8	103.4
16	91.4	84.3	79.2	78.3	69.9	70.8	76.7	77.5	83.0	85.5	79.5	110.7
20	92.1	84.4	77.0	76.2	67.4	63.8	69.1	70.6	77.7	85.3	70.9	104.0
25	95.7	93.0	88.6	81.8	76.9	72.9	75.2	77.7	85.8	92.0	87.5	107.1
32	108.3	107.6	103.5	95.7	92.2	87.9	88.8	92.1	99.9	105.9	102.9	117.2
40	92.5	88.2	83.7	78.0	72.9	74.8	73.1	77.9	83.7	88.5	82.1	105.6
50	90.6	85.3	79.9	76.2	75.0	73.2	71.6	76.6	81.8	87.4	80.4	104.7
63	99.2	96.6	89.5	88.4	87.1	77.0	82.3	86.3	89.5	97.7	94.3	116.3
80	98.4	86.6	85.3	76.6	75.9	73.5	74.3	79.9	83.1	86.3	79.6	102.7
100	95.3	93.3	92.3	82.6	83.0	77.2	79.1	85.2	88.3	90.7	83.0	104.4
125	94.1	91.8	89.3	85.2	83.5	79.8	82.6	87.2	89.8	93.3	83.3	102.7
160	95.1	92.7	89.7	81.9	80.8	80.4	79.5	86.9	89.9	91.9	82.8	102.9
200	97.6	95.7	92.5	87.6	84.0	81.4	86.6	88.3	91.6	93.4	85.2	103.1
250	96.8	94.3	91.3	87.3	84.4	81.6	83.5	87.3	89.9	92.4	83.2	100.9
320	97.6	95.5	92.7	84.3	84.3	80.7	81.8	88.0	90.8	92.4	87.0	101.6
400	96.5	94.6	92.0	88.8	82.4	77.1	83.7	87.5	90.0	92.1	84.7	99.4
500	94.9	92.2	90.5	82.9	82.3	79.0	80.6	86.6	89.0	93.6	84.1	98.8
630	93.2	90.1	87.9	82.7	77.5	76.4	82.4	85.4	87.3	90.0	83.8	98.8
800	92.0	89.0	87.0	81.7	78.8	79.6	80.9	86.5	87.6	89.8	84.2	99.0
1.0k	87.9	85.7	83.8	78.5	76.2	76.8	78.3	82.6	84.6	86.3	83.0	96.3
1.25k	87.1	85.4	83.9	78.8	76.3	76.5	78.2	82.9	84.4	85.5	82.9	95.9
1.6k	85.1	84.0	82.5	77.9	75.2	74.9	76.4	81.0	82.9	83.8	81.6	95.8
2.0k	82.9	82.6	81.3	77.1	75.1	74.7	75.8	80.7	81.7	82.6	82.0	96.4
2.5k	82.1	82.7	81.2	79.5	77.4	75.8	77.3	80.5	82.2	82.4	83.9	98.9
3.2k	82.4	83.4	81.8	80.3	77.1	77.2	77.9	80.8	81.8	83.2	83.4	99.4
4.0k	79.6	82.5	80.7	76.3	73.7	72.8	74.1	78.1	80.3	81.9	80.6	96.5
5.0k	76.7	82.4	79.9	75.7	73.0	72.2	72.5	78.0	80.2	81.8	80.8	98.6
6.3k	74.5	82.6	80.2	76.1	72.8	71.4	71.9	77.8	79.6	81.1	82.1	98.1
8.0k	77.7	81.7	79.2	74.3	70.6	68.9	70.0	76.3	77.9	80.8	79.5	95.9
10.0k	81.8	79.4	76.3	72.3	67.7	65.1	66.7	72.8	73.8	78.1	77.8	94.9
12.5k	80.3	74.8	71.9	67.0	62.7	59.9	61.2	67.0	70.0	72.2	74.8	93.5
16.0k	75.1	67.6	66.4	61.8	54.5	52.9	54.6	62.4	64.8	65.5	71.2	92.5
20.0k	70.2	60.3	61.3	60.1	45.5	45.8	46.0	59.4	62.7	65.1	65.1	89.8
PNLT	113.3	112.1	109.8	106.9	104.3	102.9	104.2	107.6	109.5	111.4	109.3	125.2
LA	100.4	98.6	96.5	91.8	88.7	87.7	89.5	94.1	96.0	97.8	94.4	109.8
SPL	111.3	109.6	105.9	99.5	96.5	93.0	95.3	99.3	103.6	108.3	104.4	122.4

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.6, + Roll

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	89.8	80.5	74.4	68.4	52.2	70.1	72.7	72.3	80.8	84.7	53.9	98.4
6.3	89.4	82.6	74.1	69.2	57.4	71.2	73.1	73.1	82.6	85.4	58.6	102.3
8	90.3	83.4	75.2	72.2	65.2	74.5	75.7	76.0	83.4	87.8	68.2	112.8
10	91.3	84.3	76.0	73.0	64.7	71.8	77.2	75.0	82.8	86.3	65.7	103.8
12.5	90.6	83.8	75.7	71.8	66.0	73.1	77.3	75.4	83.8	85.6	68.9	104.2
16	91.1	83.6	75.9	72.2	67.4	73.5	80.2	80.3	86.0	87.9	79.4	107.3
20	89.5	82.9	75.2	72.6	66.7	69.6	75.7	75.9	84.1	86.7	71.4	105.9
25	95.1	92.9	88.6	80.7	76.8	75.3	78.5	78.7	86.8	91.8	87.4	110.1
32	108.9	108.2	104.1	95.7	92.5	88.8	88.8	91.0	99.6	105.5	103.2	120.1
40	91.3	87.6	83.6	77.2	73.1	75.2	75.3	78.2	84.5	88.7	82.5	106.9
50	88.9	83.4	78.1	74.3	74.4	73.7	77.3	77.4	83.4	85.8	78.3	105.0
63	97.6	94.3	87.1	86.6	85.9	75.2	76.4	85.2	88.8	94.1	91.3	115.1
80	87.3	83.7	82.6	75.1	73.7	73.8	75.2	80.9	84.3	86.3	78.5	102.7
100	91.4	89.2	89.2	79.8	80.6	79.9	81.1	87.0	90.1	91.3	84.7	105.2
125	93.2	90.1	86.3	82.2	79.6	78.6	81.2	87.0	89.5	92.6	84.8	103.5
160	92.4	90.6	88.8	81.6	79.8	80.7	81.2	88.1	90.9	93.5	84.2	104.6
200	91.8	90.6	89.8	86.2	81.9	86.3	82.3	90.4	93.7	94.2	87.1	105.2
250	92.2	89.4	87.2	83.2	82.3	83.7	85.8	88.9	91.3	93.5	85.6	101.5
320	91.9	89.9	88.4	80.8	83.8	82.9	84.8	90.3	92.5	94.2	88.8	102.2
400	89.8	89.3	87.5	85.2	77.8	78.8	86.3	89.2	91.6	93.2	87.1	100.1
500	88.2	86.9	86.8	80.2	80.6	81.9	82.5	88.3	90.7	92.4	86.8	100.0
630	87.6	85.7	84.9	80.2	76.2	78.3	82.1	86.8	89.0	91.0	85.4	99.6
800	87.1	85.9	84.8	79.9	77.4	81.2	83.1	87.4	88.9	91.0	85.9	99.7
1.0k	84.7	84.1	82.3	77.8	75.7	77.7	79.3	83.6	85.9	87.5	83.8	96.6
1.25k	85.3	84.5	82.5	78.0	75.6	77.1	78.4	83.4	85.1	86.6	83.4	96.0
1.6k	84.1	83.4	81.9	78.1	75.4	75.6	76.6	81.3	83.2	84.4	81.4	96.2
2.0k	82.5	83.0	81.2	77.6	75.9	75.1	75.6	80.4	81.8	82.9	81.2	96.3
2.5k	81.6	83.2	81.4	80.2	78.3	76.3	77.4	80.2	82.0	82.4	83.5	98.9
3.2k	82.3	83.3	81.4	80.5	77.7	77.8	78.3	80.4	81.4	82.8	82.9	99.4
4.0k	79.3	82.1	80.0	76.4	74.2	73.1	73.9	77.6	79.9	81.2	80.4	96.8
5.0k	76.1	81.9	79.4	75.7	73.2	72.3	72.5	77.3	79.6	80.8	80.2	99.0
6.3k	73.1	82.3	79.7	75.9	73.1	71.7	71.8	77.2	79.1	80.3	81.5	98.2
8.0k	76.8	81.3	78.5	74.1	70.8	69.2	70.0	75.8	77.4	82.1	79.3	95.8
10.0k	81.2	78.8	75.5	72.1	68.0	65.8	66.8	72.5	73.5	77.3	77.7	95.1
12.5k	79.8	74.1	70.5	66.8	63.2	61.2	61.1	67.3	72.1	71.4	74.7	93.8
16.0k	74.1	66.7	63.5	61.6	54.5	56.7	54.8	64.1	65.7	65.4	71.0	92.9
20.0k	69.1	59.5	57.2	59.9	45.1	53.3	46.7	62.1	64.1	64.9	65.1	90.3
PNLT	110.0	110.4	108.4	106.0	103.9	103.9	105.3	107.9	109.8	111.5	108.9	125.4
LA	96.2	96.0	94.4	92.6	88.1	88.8	90.9	95.0	97.0	98.7	94.9	110.1
SPL	110.4	109.1	105.4	98.4	95.6	94.6	96.8	100.2	104.4	108.2	104.5	123.4

RPM = 458,, Collective = 6.0 deg, Blade Pressure Ratio = 1.6, - Roll

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	93.0	87.6	75.9	72.0	56.9	64.8	67.7	64.0	71.5	80.8	56.4	93.2
6.3	93.8	87.7	76.4	73.6	62.9	66.7	69.5	65.6	71.8	81.7	58.5	101.3
8	95.0	88.1	78.9	75.9	69.3	69.2	72.2	72.2	75.3	82.9	66.6	114.0
10	94.9	90.1	78.0	76.3	64.3	66.5	71.9	68.1	75.2	82.2	64.1	100.1
12.5	94.5	88.1	78.4	74.7	65.0	67.3	72.1	70.6	74.8	81.4	67.4	102.6
16	94.2	89.0	80.4	76.7	68.4	68.3	73.8	73.0	76.8	82.5	76.2	114.4
20	94.6	89.4	78.8	75.7	67.2	67.0	71.3	70.1	76.2	82.2	71.2	102.8
25	96.4	94.0	88.8	81.6	76.8	72.8	75.8	77.4	85.1	91.0	87.3	106.7
32	108.5	107.9	104.3	96.3	92.4	87.7	89.1	92.1	99.8	105.6	102.8	117.8
40	93.7	89.4	83.8	77.8	73.0	73.8	73.4	77.8	83.0	87.3	82.1	105.0
50	92.6	86.1	79.5	75.5	74.8	72.4	71.7	76.2	81.4	86.1	80.0	104.7
63	99.1	96.2	88.9	88.7	86.6	73.8	75.7	82.7	86.9	96.6	93.6	115.9
80	91.0	86.4	84.3	76.1	75.8	71.4	73.3	79.1	82.2	85.2	79.2	102.9
100	93.8	92.4	91.8	82.3	83.4	76.2	77.7	83.9	87.8	90.0	83.2	102.9
125	93.4	94.2	86.3	82.6	80.4	76.6	78.3	84.8	87.2	93.6	83.0	102.2
160	93.9	90.7	88.0	80.4	79.1	78.9	78.8	86.0	88.7	91.2	83.2	102.2
200	95.0	93.5	90.3	85.8	82.0	81.1	85.9	87.6	91.1	93.5	85.4	102.2
250	94.8	92.6	89.2	84.9	82.1	81.1	83.0	86.9	89.4	92.5	83.9	100.3
320	95.2	93.4	91.2	83.0	83.1	80.0	80.6	87.8	90.4	92.5	87.8	101.4
400	94.1	92.4	90.3	87.6	79.8	76.2	82.9	87.3	89.4	92.0	85.7	99.2
500	92.5	90.0	89.0	82.5	82.4	78.7	82.5	86.5	89.2	91.2	84.9	98.3
630	90.8	88.0	86.6	81.7	77.4	76.4	80.4	85.8	87.6	90.2	84.9	98.9
800	90.0	87.0	85.9	82.9	78.3	79.0	82.1	86.7	87.5	90.1	85.2	99.1
1.0k	86.1	84.3	83.1	78.5	76.6	76.9	78.1	82.9	84.8	86.7	83.2	96.3
1.25k	85.6	84.4	82.8	78.3	76.3	76.2	77.5	82.6	84.2	85.8	82.8	95.9
1.6k	83.8	83.2	82.1	77.8	75.3	75.0	76.3	80.7	82.6	84.0	81.8	96.1
2.0k	82.3	82.3	81.2	77.2	75.4	74.8	75.5	80.3	81.6	82.8	82.0	96.5
2.5k	81.3	82.7	81.3	79.6	77.9	76.0	77.5	80.2	82.0	82.4	83.7	98.8
3.2k	81.7	83.5	82.1	80.5	77.6	77.2	77.6	80.0	81.4	82.9	83.3	99.7
4.0k	79.1	82.5	81.0	76.4	74.1	72.6	73.8	77.4	79.9	81.3	80.4	96.5
5.0k	76.3	82.3	80.2	75.9	73.4	71.9	72.2	77.1	79.6	81.0	80.0	98.5
6.3k	73.9	82.6	80.6	76.2	73.3	71.3	71.9	77.0	79.1	80.4	81.9	98.1
8.0k	77.0	81.7	79.4	74.3	70.8	68.9	69.7	75.3	77.2	80.2	79.4	95.8
10.0k	81.2	79.3	76.4	72.2	68.1	65.3	66.5	71.7	73.1	77.2	77.7	95.0
12.5k	79.9	74.8	71.8	67.1	63.1	59.9	61.0	65.8	69.1	71.3	75.0	93.5
16.0k	74.8	67.4	66.0	62.0	54.5	52.3	54.4	60.5	63.1	65.1	71.2	92.4
20.0k	69.8	60.2	61.1	60.2	45.4	43.8	46.0	57.6	60.8	64.5	65.1	89.6
PNLT	111.6	111.3	109.4	106.5	104.4	101.7	103.7	107.0	109.0	111.6	109.4	125.2
LA	98.5	97.2	95.6	91.3	88.6	87.5	89.1	93.9	95.8	97.9	94.6	109.7
SPL	111.3	109.6	105.8	99.3	96.1	92.5	94.6	98.8	103.2	107.9	104.4	122.8

RPM = 458., Collective = 6.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	93.1	84.4	73.6	67.7	58.0	70.3	70.8	67.5	77.5	85.4	57.4	98.9
6.3	92.6	84.6	74.4	68.8	62.7	71.1	74.8	67.3	78.4	86.5	61.5	104.6
8	92.3	84.9	77.8	75.6	72.6	74.4	77.3	68.6	80.9	87.1	68.0	116.2
10	92.6	87.2	76.0	71.6	65.4	73.6	77.2	68.1	81.4	87.2	66.5	104.8
12.5	92.6	87.1	77.3	72.8	67.0	73.3	75.6	69.8	80.4	86.8	71.2	105.7
16	93.6	87.0	80.7	75.9	68.8	75.8	80.6	72.0	84.2	87.4	81.7	111.7
20	92.4	86.5	78.6	73.3	67.9	71.5	75.7	68.8	81.2	85.1	72.5	107.6
25	96.8	90.4	90.0	82.4	78.2	75.4	78.0	76.4	87.1	92.5	87.4	110.9
32	110.1	109.3	105.4	97.7	93.7	89.0	89.2	89.9	101.0	106.7	103.0	121.4
40	94.0	89.9	85.0	78.3	74.5	76.2	75.6	74.6	85.3	89.2	82.8	108.1
50	91.8	87.0	81.1	76.8	76.4	75.2	73.1	75.1	83.9	87.5	81.7	107.2
63	102.3	100.2	93.4	91.9	90.2	79.9	80.3	88.5	88.7	95.4	95.4	118.4
80	89.8	86.2	84.2	76.5	75.6	73.9	75.7	78.4	83.7	86.8	80.9	105.3
100	92.2	90.8	90.3	80.6	82.0	79.9	80.9	85.6	89.7	91.9	84.8	106.6
125	94.0	91.2	87.8	84.1	82.1	80.5	81.9	84.9	92.0	94.3	86.8	105.4
160	93.5	91.5	89.1	82.3	83.7	82.3	82.4	85.8	92.0	94.0	86.3	104.8
200	93.9	92.8	90.6	87.6	83.5	84.8	80.7	85.9	92.8	94.8	88.1	105.8
250	92.6	91.5	88.8	85.2	82.8	83.7	85.7	84.9	91.4	94.1	86.2	103.1
320	93.4	92.3	90.4	83.2	83.7	82.7	83.4	86.0	92.3	94.3	89.7	103.6
400	91.6	90.7	89.6	87.6	80.9	78.3	85.8	85.7	91.6	93.5	88.0	101.9
500	90.2	88.6	88.5	82.2	82.9	81.3	82.8	85.3	90.8	92.9	87.2	101.3
630	89.0	87.2	86.5	82.1	78.7	79.0	83.3	84.7	89.4	92.1	87.3	100.6
800	88.9	87.3	86.6	81.9	79.9	82.3	83.5	85.6	89.6	92.8	87.3	101.2
1.0k	86.4	86.7	85.3	80.9	79.0	79.6	81.1	81.7	87.2	88.9	85.9	98.4
1.25k	86.3	85.8	84.6	80.2	78.2	78.5	80.5	81.6	86.2	87.7	85.7	97.6
1.6k	85.2	84.6	83.4	79.6	77.4	76.4	78.4	79.5	84.1	85.6	83.2	97.6
2.0k	83.6	83.9	82.6	79.2	77.5	76.1	77.3	79.2	82.6	84.9	83.1	97.7
2.5k	82.8	84.1	82.7	81.5	79.8	77.2	76.7	78.3	82.7	83.5	85.7	100.1
3.2k	83.3	84.4	82.9	81.9	79.1	78.3	79.3	78.4	82.5	84.1	84.9	100.5
4.0k	80.5	83.3	81.5	77.8	75.5	73.8	75.2	75.4	80.8	82.3	81.8	97.7
5.0k	77.9	83.4	81.0	77.3	74.7	73.0	73.9	75.2	80.6	82.1	81.9	100.1
6.3k	74.5	83.6	81.1	77.4	74.5	72.7	73.3	74.6	80.0	81.3	83.0	99.8
8.0k	77.8	82.7	80.2	75.6	72.2	70.8	71.4	72.5	78.3	81.4	80.9	97.1
10.0k	82.5	80.2	77.1	73.5	69.1	66.5	68.1	68.5	74.3	78.5	79.8	96.9
12.5k	81.6	75.7	72.3	68.2	64.4	61.3	62.7	62.4	70.7	72.8	76.2	96.8
16.0k	76.3	68.7	66.8	62.6	56.3	53.5	56.5	58.5	65.8	66.9	72.5	94.9
20.0k	71.4	61.3	61.7	62.1	47.1	44.6	48.2	56.6	64.1	66.8	66.7	92.8
PNLT	111.5	111.9	110.8	107.8	105.7	104.5	106.8	105.7	110.5	112.5	110.7	126.8
LA	97.7	97.5	96.1	92.5	90.1	87.5	91.7	92.6	97.6	99.5	96.6	111.5
SPL	112.1	110.7	106.9	100.6	97.6	95.8	96.9	98.8	104.9	109.2	105.2	125.3

RPM = 458., Collective = 8.5 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	83.6	74.4	64.0	56.7	58.6	52.0	57.7	52.8	61.5	68.0	54.8	83.5
6.3	84.3	75.4	65.7	59.8	60.0	54.1	58.3	55.7	64.2	70.8	55.3	85.8
8	84.9	75.7	65.7	58.7	61.3	56.0	58.5	57.2	66.0	70.0	57.7	90.3
10	85.1	77.0	67.1	62.9	62.3	58.3	60.4	61.7	66.8	71.4	60.1	88.3
12.5	85.6	76.4	66.5	63.4	61.6	60.7	60.7	63.9	67.6	71.4	62.3	89.2
16	86.3	76.6	65.1	64.2	64.9	58.7	60.7	66.6	70.4	73.9	66.3	89.4
20	85.9	77.0	67.3	65.5	62.6	57.8	61.7	62.5	66.4	71.9	61.9	90.6
25	87.5	78.1	70.6	75.0	68.7	71.7	75.7	77.6	77.8	82.2	80.2	96.2
32	93.7	87.8	83.9	91.0	83.2	87.5	91.5	93.4	93.3	97.4	96.0	109.1
40	85.2	78.3	73.7	74.5	67.4	70.4	72.6	73.2	74.6	77.8	76.7	93.9
50	83.6	80.0	75.6	70.9	66.7	69.8	72.6	75.7	77.1	78.6	76.2	96.5
63	92.1	92.1	86.1	80.7	76.0	82.7	85.8	92.5	93.1	91.4	91.8	106.8
80	85.4	84.2	82.8	73.2	73.0	69.2	71.7	77.0	83.5	87.4	77.2	95.3
100	93.2	92.9	92.0	82.9	81.9	75.1	76.7	84.7	92.3	96.4	84.1	100.1
125	93.8	89.5	85.5	83.5	81.0	79.8	79.7	86.8	90.2	91.7	85.0	97.6
160	91.1	88.8	87.1	79.0	78.2	78.6	76.4	85.7	88.0	91.3	81.3	97.0
200	90.0	89.5	87.5	82.8	78.1	79.1	83.8	84.7	88.7	90.3	82.6	97.8
250	88.6	87.8	83.7	80.0	77.6	78.8	80.2	84.0	87.1	89.1	82.1	96.8
320	90.7	89.6	86.1	78.6	77.7	77.8	79.0	85.1	87.7	89.0	86.4	99.2
400	90.5	88.5	86.1	82.5	74.9	74.7	81.5	85.7	87.5	89.8	83.7	98.3
500	89.1	86.9	85.7	78.9	77.5	77.4	79.1	85.6	87.8	89.2	82.8	98.8
630	88.2	85.8	83.7	78.8	73.7	74.9	79.2	84.3	86.2	88.3	82.9	98.2
800	87.6	85.1	82.7	77.9	74.9	77.8	79.2	85.3	86.1	88.1	83.4	98.5
1.0k	84.0	82.6	79.7	75.8	72.4	75.6	76.8	81.4	83.3	85.3	81.3	96.2
1.25k	83.7	82.4	80.0	76.5	73.1	75.9	77.6	81.6	83.1	84.5	81.7	94.3
1.6k	81.1	80.6	78.0	75.4	72.3	74.5	75.6	79.6	81.4	82.4	81.3	92.9
2.0k	79.2	79.5	77.3	74.8	72.1	74.0	74.0	78.9	79.6	80.4	81.6	92.7
2.5k	77.8	78.9	76.7	75.7	73.5	73.6	74.9	77.4	79.1	79.6	82.3	95.7
3.2k	76.7	78.2	76.3	75.5	71.7	74.0	75.4	77.3	78.5	79.4	79.9	96.7
4.0k	71.5	74.9	72.9	69.9	66.4	68.9	70.1	73.4	75.6	77.0	76.4	93.8
5.0k	67.9	74.4	71.9	68.5	65.8	68.3	68.2	72.8	74.9	76.4	77.0	96.2
6.3k	64.1	74.1	71.2	67.6	64.9	67.2	66.8	71.6	73.3	73.9	78.9	95.6
8.0k	65.0	69.9	67.4	63.8	60.1	62.4	63.3	68.6	69.4	72.3	74.4	92.1
10.0k	70.1	67.1	63.6	61.6	56.5	58.5	58.9	64.6	64.8	68.9	72.3	89.9
12.5k	68.2	62.2	59.1	58.9	52.5	54.2	54.2	58.9	61.0	61.9	71.2	87.1
16.0k	62.3	56.1	53.5	58.5	46.3	47.2	48.5	56.0	55.9	56.3	67.6	84.2
20.0k	59.8	54.8	50.4	58.8	41.4	42.2	43.0	55.2	54.3	58.1	62.5	80.7
PNLT	107.4	106.7	104.4	101.7	99.1	99.9	101.9	104.7	106.8	108.3	107.4	122.1
LA	95.1	93.7	91.4	87.4	84.1	85.8	87.6	92.2	93.9	95.6	92.8	107.5
SPL	103.6	100.6	98.0	94.6	90.3	92.0	95.0	99.1	101.0	103.4	99.6	114.0

RPM = 458., Collective = 8.5 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	79.2	61.4	54.9	57.6	59.5	51.4	56.1	56.4	62.6	70.1	51.8	85.2
6.3	79.2	63.5	58.5	57.9	60.5	53.5	58.6	58.4	66.3	71.7	54.9	89.2
8	79.4	64.9	63.3	62.5	63.5	59.4	61.4	63.4	67.7	73.0	59.2	95.8
10	82.2	65.9	62.3	64.4	62.3	56.5	60.2	61.8	70.1	74.5	58.1	90.1
12.5	80.8	65.6	62.8	64.3	62.4	63.4	65.0	64.8	69.2	74.9	61.5	90.9
16	80.1	66.8	65.1	63.4	61.6	57.7	61.7	62.2	69.8	73.0	63.5	93.2
20	80.5	65.8	66.0	65.8	62.9	56.5	62.0	63.8	69.9	73.1	63.2	92.5
25	83.7	72.8	72.1	76.4	69.5	71.5	76.1	77.7	78.6	83.2	81.5	97.4
32	95.4	85.3	86.6	91.8	83.9	87.0	91.5	93.1	93.3	97.8	97.0	109.3
40	82.0	76.1	73.4	73.7	67.6	70.4	72.5	73.9	76.1	78.9	77.0	94.6
50	81.3	79.1	75.8	70.9	68.0	69.3	72.3	75.5	77.1	78.3	76.6	96.3
63	93.4	92.2	86.3	80.8	80.2	81.2	85.4	91.7	92.1	91.0	92.0	105.8
80	85.1	82.9	82.6	72.7	72.8	69.0	71.9	77.8	84.0	88.0	77.5	95.7
100	93.1	91.3	91.1	80.4	81.0	75.3	77.8	84.9	92.5	96.5	84.4	101.0
125	94.0	90.6	86.8	84.2	83.7	80.2	80.7	87.4	90.1	91.6	85.6	98.7
160	92.6	85.9	87.3	78.8	78.9	78.9	77.1	86.1	87.5	90.8	81.1	96.9
200	90.6	89.7	88.5	84.4	78.8	78.5	83.5	84.4	88.5	90.3	82.6	98.0
250	88.1	86.8	84.3	80.2	77.4	78.5	79.9	84.1	86.0	88.6	81.0	97.1
320	89.9	88.3	86.5	78.9	79.1	78.1	79.2	85.7	87.8	89.9	86.2	99.5
400	89.1	87.6	86.4	83.1	75.9	75.6	82.2	86.0	87.8	90.0	83.6	99.0
500	88.0	86.1	85.6	79.7	78.6	77.7	79.8	86.2	88.0	89.7	82.9	99.5
630	86.8	84.7	83.8	79.2	74.8	75.3	80.2	85.1	86.6	88.7	82.8	98.6
800	86.0	84.4	83.1	78.4	75.2	78.2	79.4	85.6	86.3	88.0	83.2	98.4
1.0k	83.2	82.3	80.7	76.6	73.6	75.1	77.1	81.5	83.3	85.3	81.0	96.3
1.25k	83.2	81.0	80.5	76.2	73.1	75.4	77.6	81.4	82.9	84.3	81.3	94.5
1.6k	80.8	80.4	79.2	75.4	72.5	74.4	75.7	79.2	80.6	81.9	80.9	93.2
2.0k	78.8	79.1	78.6	75.2	72.4	73.1	74.0	78.5	79.1	79.9	81.3	93.3
2.5k	78.7	79.6	78.7	77.3	74.9	73.6	75.0	77.5	78.7	79.4	82.4	96.4
3.2k	78.2	79.2	77.8	77.1	73.2	73.7	75.6	77.2	78.1	79.5	79.8	97.1
4.0k	73.7	76.4	75.3	71.7	69.3	69.1	70.6	73.8	75.6	77.4	77.0	94.3
5.0k	70.1	76.1	74.2	70.5	67.8	68.8	69.2	73.6	75.5	77.3	77.2	96.6
6.3k	66.7	76.1	74.0	70.2	66.9	68.0	68.3	72.9	74.1	75.6	78.1	96.1
8.0k	68.5	73.8	71.5	66.9	63.5	63.7	65.1	70.5	71.6	73.8	75.0	93.1
10.0k	73.0	70.4	67.9	64.4	60.4	59.7	60.9	66.4	66.3	70.4	73.2	90.4
12.5k	71.5	65.5	62.5	59.6	55.7	54.8	55.8	60.8	62.3	63.9	71.8	87.6
16.0k	64.9	57.9	56.1	55.3	47.8	47.2	49.8	57.5	56.7	57.5	68.0	84.9
20.0k	60.9	51.5	50.8	54.0	40.0	38.8	43.6	56.9	55.4	59.1	63.0	81.4
PNLT	107.1	107.0	105.6	103.1	100.4	100.4	102.1	105.1	106.7	108.4	107.4	122.5
LA	94.4	93.4	92.1	88.2	85.1	85.8	87.9	92.4	93.9	95.7	92.6	107.9
SPL	102.9	100.1	98.3	95.3	91.4	91.7	95.1	99.0	100.9	103.6	100.1	114.2

RPM = 458., Collective = 8.5 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	81.5	61.3	53.4	53.4	59.6	62.0	66.3	62.5	71.4	78.7	56.1	88.4
6.3	83.6	63.7	58.7	56.4	61.8	64.6	68.1	63.5	73.0	79.1	60.3	91.7
8	83.7	64.3	60.5	60.4	62.1	65.9	67.5	64.5	73.0	79.9	63.3	98.4
10	83.8	68.5	61.8	62.7	61.7	65.5	68.6	65.8	73.5	79.5	61.6	93.2
12.5	82.5	68.3	63.2	63.2	62.3	64.5	68.8	66.9	74.0	80.0	62.8	94.5
16	82.7	71.3	66.6	63.1	61.3	62.7	67.2	66.6	75.2	79.5	65.5	98.5
20	81.8	68.9	65.9	66.2	63.2	60.7	66.8	67.0	73.7	80.3	64.4	96.6
25	84.6	76.8	72.2	74.2	72.5	73.9	75.8	74.8	77.2	82.9	82.2	100.6
32	95.5	90.6	81.4	89.3	85.5	86.4	91.0	89.7	88.9	95.0	98.0	110.3
40	82.5	77.1	73.5	73.2	68.2	69.9	72.2	71.7	74.5	79.1	77.4	98.0
50	82.3	79.1	76.5	71.4	68.9	69.4	71.4	73.0	75.9	79.0	73.6	99.4
63	90.0	89.9	85.4	82.7	80.3	77.8	81.6	87.6	89.0	89.7	88.3	101.5
80	83.9	82.5	81.8	72.6	72.8	68.8	70.7	77.0	81.6	85.4	75.2	96.5
100	91.1	90.8	90.1	80.0	81.0	75.6	76.1	84.1	89.8	93.8	81.9	100.6
125	93.0	89.9	87.0	83.9	82.8	77.8	78.7	85.5	87.8	89.9	83.5	99.8
160	90.5	88.9	86.7	79.5	78.5	80.3	77.8	87.4	89.5	91.1	81.9	98.7
200	91.4	91.1	89.0	84.5	79.8	81.8	86.5	87.6	90.2	91.3	84.8	100.8
250	91.0	89.3	86.0	83.1	79.2	81.0	82.2	87.1	89.2	90.8	83.0	99.0
320	93.1	91.4	88.9	82.3	80.8	80.0	81.6	88.3	90.4	91.2	87.4	101.0
400	92.6	91.3	88.8	86.3	78.0	77.1	83.8	87.6	89.6	91.2	84.6	99.6
500	91.3	89.6	88.2	82.8	80.8	79.0	81.3	87.2	89.1	90.4	83.2	100.4
630	89.6	88.0	86.0	81.5	77.1	75.9	82.8	85.8	87.2	89.3	83.2	99.3
800	88.7	86.7	85.1	80.3	77.2	78.5	79.5	85.9	87.0	88.6	83.2	98.5
1.0k	84.7	83.9	82.2	77.4	74.9	75.3	77.3	81.5	83.3	85.3	80.9	95.4
1.25k	84.0	83.2	81.9	77.5	75.0	75.5	77.5	81.6	83.1	84.1	81.2	94.1
1.6k	81.4	81.0	79.8	76.0	73.5	73.4	75.1	78.7	80.8	81.8	80.0	92.8
2.0k	79.2	79.3	78.7	75.3	73.4	72.5	73.3	77.7	78.8	79.7	80.0	92.8
2.5k	78.3	79.0	78.0	76.7	74.7	72.3	74.0	76.5	78.5	79.2	81.0	96.2
3.2k	78.6	79.5	78.4	77.4	74.4	73.2	75.0	76.9	78.4	79.6	79.9	97.6
4.0k	75.2	77.8	76.4	72.9	70.2	69.0	70.6	74.3	76.7	78.2	77.2	94.4
5.0k	72.1	77.9	76.0	72.3	69.9	68.8	69.7	74.7	77.0	77.9	78.3	97.0
6.3k	69.5	78.4	76.4	72.8	69.6	68.1	68.9	73.9	75.6	77.8	79.8	97.1
8.0k	71.7	76.8	74.5	70.8	67.0	64.5	66.4	71.7	73.3	76.2	76.0	97.2
10.0k	75.7	73.5	71.1	67.8	64.0	60.7	62.5	67.4	68.3	72.4	74.0	91.4
12.5k	74.9	69.1	66.5	62.6	59.4	55.5	56.9	61.3	64.2	66.1	71.6	89.2
16.0k	68.9	61.8	60.7	56.9	52.4	48.0	50.9	56.9	58.5	59.5	68.2	86.7
20.0k	63.8	54.4	56.4	54.2	45.3	39.7	44.1	56.3	56.3	59.5	63.0	83.6
OPNLT	108.9	108.5	106.6	103.9	101.5	99.4	102.4	105.3	107.3	108.9	107.0	122.9
OLA	96.5	95.5	93.7	89.7	86.5	86.0	88.4	93.1	94.8	96.3	92.6	108.2
OSPL	103.4	101.3	98.8	95.3	92.3	91.9	95.2	98.5	100.4	102.8	100.3	114.9

RPM = 458., Collective = 8.5 deg, Blade Pressure Ratio = 1.3

Microphone Number

HZ /	1	2	3	4	5	6	7	8	9	10	11	12
5	89.3	79.8	69.3	52.2	52.6	60.6	61.5	58.4	64.0	69.3	58.2	90.3
6.3	90.8	80.1	69.7	56.6	56.1	62.8	61.0	60.6	64.8	69.7	59.1	92.1
8	89.2	81.6	71.1	60.4	59.8	63.8	64.6	65.8	66.8	73.1	63.1	96.9
10	89.7	81.9	73.0	64.8	60.8	62.3	67.1	64.7	69.6	73.3	64.3	94.4
12.5	90.4	81.5	72.7	64.7	61.1	62.7	65.8	67.5	69.5	75.1	66.8	97.3
16	89.6	83.9	75.9	68.8	62.4	64.7	69.4	73.3	76.0	80.6	73.3	105.1
20	89.1	81.8	73.9	68.2	63.5	62.4	67.1	67.3	71.5	75.3	68.7	98.1
25	91.6	87.1	80.7	73.7	73.4	72.2	75.3	70.5	76.4	82.8	84.6	103.6
32	101.5	100.4	95.5	87.9	88.8	87.5	80.9	78.7	89.5	97.3	100.1	114.8
40	88.2	83.0	78.1	73.8	70.3	72.9	72.1	73.9	77.1	80.1	79.4	103.4
50	86.7	81.9	78.5	70.9	72.1	71.2	71.3	73.6	77.6	80.9	72.8	101.3
63	90.3	85.9	83.3	76.9	78.7	77.2	78.9	85.5	88.3	90.4	78.7	104.2
80	87.0	82.7	80.8	72.6	71.8	70.2	71.9	78.3	82.1	84.9	75.5	98.5
100	92.4	89.9	87.9	78.8	79.4	77.3	77.7	85.0	89.8	92.6	82.2	100.9
125	91.4	87.6	84.8	82.3	79.9	76.2	76.9	84.0	85.3	88.5	84.4	100.5
160	91.2	88.8	86.9	79.1	78.9	77.0	76.9	84.5	87.0	90.3	83.1	99.1
200	92.6	90.8	87.6	84.3	79.9	79.1	80.1	85.8	88.6	92.8	83.3	100.0
250	91.9	90.0	86.4	82.8	80.0	79.4	81.0	84.9	87.5	90.5	82.2	98.6
320	93.6	91.1	88.6	81.6	81.0	78.8	79.2	86.5	88.8	90.9	87.4	100.7
400	92.9	90.4	88.6	86.6	79.1	75.5	82.0	86.2	88.4	90.8	84.5	99.0
500	91.6	89.1	87.7	82.2	81.5	78.1	80.0	85.8	88.1	90.2	83.9	99.6
630	90.3	88.0	86.1	81.5	77.1	75.7	80.1	85.4	87.2	89.9	83.9	99.3
800	89.3	86.7	85.3	80.7	77.1	78.8	79.7	86.2	87.6	89.5	84.4	98.7
1.0k	85.6	83.9	83.3	78.0	74.8	76.8	77.9	82.5	84.8	86.8	82.6	96.2
1.25k	85.0	83.7	82.5	77.8	75.3	76.6	77.4	82.2	84.0	85.7	83.1	95.1
1.6k	82.3	82.0	80.5	76.3	73.9	74.8	75.8	79.9	82.0	83.2	81.7	94.0
2.0k	80.6	80.7	79.4	75.6	73.9	74.1	74.5	79.4	80.3	81.6	82.0	94.4
2.5k	79.8	80.6	79.2	77.3	75.3	74.2	75.3	78.2	80.2	81.3	82.4	97.1
3.2k	80.3	81.3	80.0	78.5	75.3	76.1	76.6	78.8	80.1	81.6	82.4	98.3
4.0k	77.2	80.1	78.4	73.8	71.4	71.3	72.2	75.9	78.3	79.9	79.5	95.2
5.0k	74.4	79.9	77.5	73.2	70.8	70.7	70.7	75.8	78.1	79.4	79.4	97.3
6.3k	72.0	80.1	78.0	73.5	70.5	70.1	70.1	75.5	77.1	78.9	80.4	96.8
8.0k	74.1	78.9	76.7	71.5	68.4	66.9	67.8	73.3	74.9	78.3	78.3	94.2
10.0k	78.1	76.1	73.7	69.3	65.5	63.9	64.1	69.3	70.1	74.5	76.1	92.3
12.5k	77.0	71.9	69.3	64.1	60.7	58.0	58.3	62.6	65.9	68.3	73.3	90.4
16.0k	71.8	65.0	64.7	58.2	52.3	50.2	52.0	57.4	59.9	61.2	69.8	88.4
20.0k	66.7	58.6	61.5	54.4	43.5	40.8	44.4	55.9	57.5	61.5	64.5	85.2
PNLT	109.8	109.1	107.3	104.5	102.1	101.8	102.7	105.9	107.8	109.8	108.4	123.5
LA	97.2	95.8	94.1	90.0	87.0	86.8	88.3	93.1	95.0	97.0	93.9	108.6
SPL	106.2	103.8	102.2	94.8	93.1	91.9	94.1	96.9	99.6	103.1	101.7	117.7

RPM = 458., Collective = 8.5 deg, Blade Pressure Ratio = 1.4

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11	12
5	88.5	81.7	69.5	59.3	57.8	52.2	64.0	62.3	66.5	77.8	62.9	96.6
6.3	91.1	81.6	72.5	63.1	60.3	57.8	66.2	63.4	68.4	78.8	65.9	99.8
8	92.8	81.7	76.4	69.7	66.4	66.6	69.2	68.8	72.2	80.9	69.3	108.1
10	92.7	82.2	75.5	66.6	63.1	59.2	68.1	65.3	71.7	79.7	67.4	103.0
12.5	91.4	82.1	75.7	68.8	64.2	63.2	68.9	68.4	73.0	79.7	69.3	105.2
16	89.8	82.6	76.4	69.5	65.2	64.1	68.9	68.7	73.5	79.3	70.9	115.3
20	91.5	83.1	76.4	69.9	65.3	63.1	68.7	69.5	74.6	81.6	71.1	106.3
25	94.9	90.6	86.3	77.8	76.0	72.7	76.7	77.0	83.5	89.3	87.2	110.6
32	106.4	104.9	101.1	91.6	91.5	87.5	89.8	89.0	97.7	103.6	102.5	118.9
40	91.1	86.2	81.2	75.1	72.5	72.8	73.0	74.6	79.4	84.0	81.3	109.3
50	88.4	83.1	78.7	73.2	72.0	72.5	71.5	75.7	79.9	83.5	77.1	111.0
63	94.6	89.3	84.2	83.8	81.7	76.6	77.1	84.5	88.4	94.4	89.3	113.3
80	89.0	84.8	83.2	74.7	74.4	71.4	73.1	79.4	82.1	84.8	77.7	108.0
100	93.8	90.7	90.4	81.1	81.8	77.8	78.1	85.1	88.1	90.3	82.4	106.1
125	93.1	89.8	85.8	82.7	80.6	77.4	78.1	85.2	88.1	93.0	83.9	105.5
160	93.0	90.6	87.9	80.6	79.3	80.0	80.0	87.2	89.6	91.1	83.7	103.5
200	94.6	91.5	89.3	85.6	80.6	82.5	86.5	87.3	90.3	92.8	86.0	102.8
250	94.1	91.9	88.5	84.5	81.5	81.9	83.5	87.1	89.3	92.7	84.4	101.1
320	94.9	92.4	91.0	83.1	82.8	80.5	81.4	87.6	90.7	93.3	88.3	102.3
400	94.0	92.1	90.8	87.8	80.4	76.9	84.5	87.7	90.4	93.0	86.3	100.2
500	2.6	90.3	90.0	83.5	82.8	79.4	81.9	87.2	89.8	92.1	85.3	99.1
630	91.1	89.4	87.9	83.1	77.9	77.1	82.0	86.2	88.5	91.9	85.0	99.7
800	90.0	88.6	87.0	82.1	78.0	80.7	82.0	86.7	88.3	90.6	84.9	99.3
1.0k	86.4	86.3	84.0	79.4	76.4	77.2	79.1	83.1	85.3	87.5	82.9	96.6
1.25k	86.1	86.1	83.8	79.5	76.9	76.7	79.0	82.7	84.7	86.4	83.3	96.0
1.6k	84.2	84.1	82.3	78.2	75.6	74.8	76.8	80.2	82.7	84.3	81.7	95.1
2.0k	82.0	82.9	81.3	77.4	75.5	74.5	75.8	79.7	81.3	82.7	81.7	95.6
2.5k	81.3	82.5	80.7	79.1	77.3	74.7	76.7	78.9	80.8	82.1	82.9	98.1
3.2k	81.9	83.2	81.5	80.0	77.2	76.1	77.9	79.2	80.7	82.4	82.8	99.0
4.0k	78.9	81.9	79.7	75.2	73.1	71.6	73.4	76.4	78.0	80.5	79.8	95.9
5.0k	75.8	81.5	78.7	74.7	72.5	70.6	71.7	76.2	78.8	80.1	79.7	97.9
6.3k	72.7	81.4	79.2	75.0	71.9	70.0	70.9	75.9	77.8	79.4	80.6	96.9
8.0k	75.4	80.5	78.0	72.9	69.7	67.5	69.0	74.1	76.0	79.2	78.5	95.3
10.0k	80.0	78.0	75.1	70.8	67.0	63.7	65.5	70.4	71.7	76.2	76.6	93.7
12.5k	78.9	74.1	72.5	65.7	62.0	58.4	59.9	64.3	67.4	70.0	73.6	92.2
16.0k	73.5	68.8	65.2	60.4	53.6	50.5	53.3	59.4	61.8	63.2	70.2	90.9
20.0k	68.0	63.6	60.3	56.6	44.4	43.2	45.4	57.6	59.6	63.0	64.7	88.0
PNLT	111.2	110.9	108.9	106.1	103.8	102.5	104.1	106.6	108.7	110.9	108.4	125.1
LA	98.4	97.5	95.8	91.5	88.5	87.6	93.0	93.9	96.1	98.3	94.4	109.5
SPL	109.3	106.9	103.8	96.9	95.1	92.8	95.3	98.5	102.4	106.7	103.9	123.3

RPM = 450, Collective = 8.5 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	90.6	84.4	75.4	63.9	57.1	56.5	67.9	65.0	76.1	83.5	62.1	97.4
6.3	94.3	83.6	75.3	67.2	60.8	61.2	69.7	67.1	77.8	84.6	64.2	102.6
8	95.0	85.2	78.4	74.6	69.7	70.5	74.2	73.8	78.6	85.5	69.7	114.2
10	94.5	85.9	76.3	70.3	64.9	63.7	73.0	69.4	77.5	83.6	67.5	103.0
12.5	93.6	83.6	76.7	71.2	65.8	67.1	72.8	72.3	77.4	85.3	69.9	105.0
16	94.1	84.2	77.2	71.7	67.5	70.9	77.3	76.7	82.5	85.5	77.1	111.3
20	93.5	84.8	78.0	72.3	67.5	65.4	72.2	71.8	78.1	84.5	71.9	105.9
25	96.2	93.2	89.0	81.2	77.4	73.2	76.4	78.5	85.5	91.4	87.8	109.1
32	108.6	107.9	104.1	96.1	92.8	88.2	88.1	92.4	100.0	105.7	103.9	118.3
40	94.0	88.1	83.7	77.6	74.1	75.6	74.3	78.9	84.1	87.9	82.3	108.0
50	91.9	83.9	78.6	75.2	74.9	74.1	72.3	77.3	82.1	85.5	79.3	107.6
63	99.2	95.1	88.8	87.8	87.3	77.7	78.4	84.6	89.1	95.5	91.8	116.9
80	91.5	86.4	84.9	76.6	76.0	73.0	74.6	80.1	82.7	85.9	79.9	106.3
100	95.3	93.1	92.6	83.2	83.4	78.6	80.0	85.6	88.6	92.9	84.8	107.4
125	94.7	91.0	87.4	83.1	81.2	78.3	80.9	86.2	88.8	93.5	86.1	105.9
160	95.1	92.9	90.0	81.5	81.2	80.4	82.9	87.4	90.6	93.5	85.3	105.3
200	96.2	93.6	90.9	86.3	81.8	83.9	87.8	88.8	91.7	93.4	86.7	105.7
250	94.9	92.3	89.1	85.2	82.4	82.3	84.1	87.7	90.0	92.2	85.5	102.5
320	95.5	92.8	90.7	82.6	82.6	81.6	82.5	88.6	91.0	92.5	89.0	103.1
400	94.7	91.8	89.6	87.2	79.3	77.9	80.7	88.4	90.3	92.1	87.0	101.4
500	92.8	89.8	88.5	81.6	81.2	80.7	81.9	87.4	89.2	91.1	86.2	100.6
630	91.2	87.9	86.3	81.4	77.2	78.1	82.3	86.3	87.9	90.2	86.3	100.0
800	90.0	87.2	85.6	81.2	78.1	81.4	81.9	87.0	87.9	90.1	86.3	100.2
1.0k	86.9	84.8	82.9	78.8	76.5	78.2	79.5	83.3	85.2	86.8	85.1	97.4
1.25k	86.6	84.9	83.1	78.9	76.9	77.6	79.4	83.4	84.8	86.1	85.3	97.0
1.6k	84.7	83.7	82.2	78.6	76.3	76.3	78.1	81.8	83.3	84.2	83.7	96.5
2.0k	82.8	83.0	81.1	78.2	76.4	76.0	77.1	81.4	82.2	82.8	83.7	96.8
2.5k	82.0	83.0	81.1	80.3	78.1	76.7	78.6	80.7	82.4	82.6	84.9	99.3
3.2k	82.6	83.7	81.8	80.8	78.2	78.1	79.5	81.1	82.1	83.0	84.6	99.9
4.0k	80.1	82.8	80.8	76.6	74.4	73.6	75.0	78.2	80.4	81.5	81.8	97.0
5.0k	77.6	82.8	79.8	76.0	73.7	72.6	73.4	77.9	80.2	81.3	81.6	99.1
6.3k	74.2	83.0	80.2	76.3	73.4	72.1	72.7	77.8	79.6	80.5	82.7	98.6
8.0k	76.6	81.8	79.0	74.4	71.2	69.4	70.5	75.9	77.4	82.3	82.6	95.9
10.0k	81.2	79.6	75.8	72.4	68.2	65.7	67.1	72.3	77.4	77.5	78.6	95.1
12.5k	80.2	74.8	72.9	67.1	63.2	62.3	61.4	66.5	69.4	71.6	75.5	93.5
16.0k	75.0	67.4	64.4	62.0	54.8	52.6	55.1	62.0	64.2	65.5	71.9	92.7
20.0k	69.7	60.2	58.0	60.1	45.5	44.2	46.6	60.3	61.8	65.1	66.6	90.2
PNLT	112.2	111.4	109.2	106.8	104.5	104.8	105.4	107.9	109.6	111.3	110.2	126.2
LA	99.0	97.3	95.3	91.4	88.8	88.9	90.7	94.7	96.3	98.0	96.1	110.7
SPL	111.4	109.4	105.9	99.1	96.4	93.9	95.7	99.6	103.7	106.1	104.7	123.5

RPM = 49%, Collective = 0.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz	1	2	3	4	5	6	7	8	9	10	11	12
5	52.3	49.3	49.1	46.7	54.1	45.5	51.1	48.9	52.1	52.6	56.1	69.3
6.3	58.3	56.2	55.8	53.3	56.[illegible]	52.2	55.1	54.0	53.[illegible]	58.0	57.6	71.9
8	65.9	62.3	62.5	60.6	60.0	56.3	60.1	61.4	61.[illegible]	66.5	60.4	87.3
10	66.7	63.9	63.5	63.6	61.8	56.7	64.3	62.1	64.4	66.5	60.6	79.0
12.5	68.6	64.2	63.2	64.4	62.9	61.2	64.8	64.5	64.7	69.0	62.6	79.0
16	64.4	64.3	62.7	63.0	61.3	57.1	60.0	59.4	62.7	65.7	63.2	83.5
20	64.9	65.3	64.9	64.6	61.7	54.6	58.7	58.7	61.8	63.4	58.0	81.0
25	78.6	78.5	74.8	71.5	67.4	63.0	71.8	72.6	75.3	77.0	67.7	90.[illegible]
32	102.7	102.7	98.3	94.8	90.0	84.3	94.3	96.0	98.2	100.0	90.3	113.7
40	90.5	90.2	85.8	82.8	77.5	73.1	81.9	83.3	85.7	87.4	78.8	101.1
50	77.6	74.5	71.9	70.1	66.4	64.4	70.7	73.1	75.0	73.7	70.8	92.6
63	98.6	89.8	87.1	85.5	77.7	83.3	92.6	96.6	97.9	94.2	93.8	16.1
80	86.7	80.8	78.8	73.7	69.7	71.2	70.3	83.4	85.4	85.8	81.0	103.3
100	99.3	96.5	95.2	81.5	84.9	77.9	77.9	83.7	96.6	103.3	89.5	111.9
125	100.1	96.3	90.7	88.3	85.3	86.0	86.4	90.4	96.6	97.2	93.7	104.4
160	97.1	94.2	93.4	80.3	84.2	78.7	82.6	86.4	93.1	92.4	86.1	98.5
200	93.5	92.7	91.0	85.4	83.2	75.6	79.2	80.7	87.3	91.2	81.0	100.4
250	89.6	89.7	84.7	81.4	78.1	78.5	75.0	83.9	85.6	89.3	79.9	99.1
320	89.7	85.4	83.0	77.4	77.2	75.5	74.1	81.9	85.9	87.9	83.7	102.3
400	90.1	87.0	84.4	81.5	73.5	73.6	77.5	82.3	86.1	89.9	83.7	100.2
500	89.1	85.9	83.7	78.2	77.2	75.2	75.8	82.9	86.1	88.9	83.0	100.7
630	88.8	86.3	83.9	70.8	75.1	74.1	77.6	83.8	85.8	89.0	82.9	101.1
800	89.0	87.0	84.1	79.9	77.3	77.5	78.3	84.8	87.3	89.1	83.3	102.1
1.0k	88.0	86.7	83.4	78.8	75.0	76.0	77.1	[illegible]	85.3	87.6	82.3	98.9
1.25k	87.7	86.1	83.6	79.2	74.6	76.1	77.4	[illegible]	85.3	87.3	81.2	97.4
1.6k	85.7	83.9	81.8	77.9	74.2	76.4	77.2	81.4	83.1	85.5	80.4	96.4
2.0k	83.0	82.4	79.9	77.5	73.5	75.3	75.5	80.2	81.9	83.7	79.6	96.2
2.5k	83.4	81.9	78.4	78.4	74.8	75.4	76.5	79.3	82.4	83.2	81.2	95.1
3.2k	82.9	81.9	79.5	79.9	75.6	77.8	77.7	80.3	82.7	82.9	82.0	101.8
4.0k	77.5	77.0	73.9	73.2	69.7	71.5	72.3	75.2	77.3	78.9	78.3	95.1
5.0k	75.9	74.5	68.5	68.5	66.4	67.7	68.9	73.4	76.3	77.7	75.9	95.8
6.3k	72.0	71.6	64.5	67.1	64.1	65.6	65.7	70.5	73.5	74.4	74.0	93.5
8.0k	71.2	69.8	59.2	63.5	60.5	62.0	63.1	68.6	70.6	72.1	72.2	91.0
10.0k	67.7	67.0	58.8	63.9	57.1	58.4	58.5	65.1	65.8	67.7	70.0	89.8
12.5k	61.7	[illegible].3	57.9	56.1	52.5	52.3	53.2	59.5	59.9	60.6	67.0	87.8
16.0k	56.4	54.7	57.8	54.5	46.4	45.6	48.5	58.6	57.0	58.1	63.9	85.5
20.0k	57.0	52.2	51.0	54.3	42.0	39.5	47.0	59.3	56.1	60.6	59.2	82.1
PNLT	111.0	109.0	107.2	105.2	101.4	102.6	103.1	107.8	109.2	111.4	108.1	127.9
LA	97.6	95.7	93.0	89.5	86.0	86.7	87.6	92.5	95.2	97.3	92.5	110.1
SPL	107.9	105.9	102.6	97.8	94.4	92.1	97.9	101.7	104.6	107.0	99.8	120.0

Repeat RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.0

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	59.0	52.9	53.9	56.4	59.1	52.0	52.8	50.7	54.7	58.2	62.5	65.3
6.3	61.7	56.2	58.5	58.3	60.8	55.4	56.2	53.5	56.5	59.9	62.1	65.3
8	64.5	59.3	59.5	58.5	62.8	56.2	57.0	57.2	60.2	64.2	63.8	79.1
10	67.1	61.5	61.7	62.8	62.8	56.8	61.4	60.5	63.6	65.7	62.8	68.0
12.5	69.6	64.1	63.7	64.7	64.2	61.4	64.7	64.6	64.9	69.2	63.7	66.1
16	67.6	66.7	63.4	63.8	63.8	60.3	62.9	62.6	66.9	68.1	66.1	84.1
20	65.7	66.1	65.3	65.8	64.7	56.2	59.4	58.8	63.1	64.7	60.9	75.9
25	78.8	77.4	73.6	70.8	67.7	62.4	70.3	71.2	74.3	76.0	68.9	89.4
32	102.4	101.6	97.2	94.6	89.7	84.3	93.8	94.6	97.6	99.4	91.9	113.3
40	90.2	89.5	84.9	82.7	77.4	73.2	81.7	82.2	85.2	87.0	80.3	100.9
50	78.3	74.1	72.0	70.5	65.1	64.5	68.8	72.7	73.4	73.1	70.7	92.4
63	99.5	91.5	85.4	85.0	77.5	80.9	90.1	96.3	96.7	93.3	93.2	116.0
80	87.3	81.6	78.1	73.6	70.1	70.3	77.1	83.5	84.7	85.5	80.6	103.2
100	98.1	96.2	94.6	83.2	85.5	81.6	87.8	88.3	97.4	103.1	90.9	110.9
125	99.3	95.8	91.0	88.3	86.8	86.2	86.9	93.3	96.0	96.7	92.2	104.3
160	96.2	92.5	91.6	79.9	82.3	78.9	83.7	87.9	91.4	91.4	87.8	96.9
200	92.6	91.6	89.7	84.4	82.6	74.3	79.8	80.9	87.0	91.0	82.1	100.6
250	89.4	88.3	82.7	78.5	77.9	74.9	77.9	82.9	84.6	87.8	78.3	99.2
320	89.7	87.2	84.1	77.5	78.1	74.9	74.4	82.0	85.5	87.7	84.6	102.6
400	90.5	88.0	85.0	82.7	74.1	72.7	77.8	83.0	85.9	88.5	84.5	100.7
500	88.8	87.0	84.8	79.3	77.4	75.6	76.9	84.5	86.8	89.6	83.0	100.9
630	89.0	86.7	84.3	79.5	75.2	74.0	79.1	84.2	86.0	89.0	83.2	101.2
800	88.5	86.6	84.1	79.7	76.6	77.4	79.4	84.7	87.3	89.8	83.3	101.3
1.0k	87.0	86.1	82.9	78.6	75.0	77.5	78.4	83.2	85.3	87.2	81.7	99.7
1.25k	87.1	86.2	83.6	79.4	74.9	76.8	78.7	83.9	85.4	87.1	81.4	96.9
1.6k	84.8	83.4	81.3	78.1	73.8	74.9	77.6	81.4	83.1	85.0	80.8	96.8
2.0k	82.6	81.7	79.9	77.8	73.7	73.8	76.3	80.2	82.0	83.8	81.0	96.9
2.5k	84.8	82.7	80.0	79.5	74.9	75.1	77.6	80.5	83.6	86.4	82.8	96.1
3.2k	81.8	84.8	84.3	84.1	78.4	80.6	82.4	85.3	86.4	84.4	88.5	101.9
4.0k	74.4	76.5	76.0	77.9	73.6	74.7	76.6	77.1	77.9	79.0	86.1	95.2
5.0k	68.9	73.8	71.6	69.0	66.1	67.3	67.9	73.2	75.9	77.7	75.4	95.3
6.3k	62.0	73.2	71.4	68.3	64.5	65.8	66.1	72.8	74.5	74.3	75.5	93.6
8.0k	64.8	69.7	67.7	64.7	60.6	62.0	63.4	69.1	70.0	72.7	73.4	91.1
10.0k	70.0	66.3	63.9	61.7	56.5	57.8	59.0	65.0	65.1	69.4	71.5	90.3
12.5k	68.3	61.0	56.8	56.4	50.6	51.3	52.5	58.9	60.7	62.5	67.4	88.1
16.0k	61.9	54.3	52.8	54.6	44.5	44.2	47.5	58.6	56.7	56.3	64.6	85.4
20.0k	59.5	49.4	50.2	54.9	41.5	37.5	42.7	59.4	55.0	58.4	60.8	81.7
PNLT	110.5	111.6	110.2	107.8	103.0	104.2	106.3	110.7	112.4	111.3	111.8	127.8
LA	97.2	95.8	93.5	90.8	86.6	87.3	89.4	93.6	95.7	97.5	94.9	110.2
SPL	107.5	105.2	101.8	97.8	94.4	92.2	97.4	101.4	104.3	106.7	100.3	119.8

RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	52.4	50.0	49.7	46.4	57.5	44.8	48.0	0.0	52.0	52.8	49.7	67.7
6.3	57.9	54.9	55.1	51.8	58.8	51.4	52.9	0.0	53.1	57.3	54.1	72.6
8	69.0	65.9	65.9	63.9	61.3	58.3	61.9	0.0	63.5	68.0	56.0	90.6
10	65.9	63.2	62.0	62.7	62.0	55.3	63.1	0.0	63.6	65.7	56.6	80.4
12.5	68.3	63.7	62.9	65.0	64.3	61.5	64.5	0.0	64.2	69.0	61.4	78.2
16	66.3	65.6	63.9	62.7	62.1	57.3	60.0	0.0	63.8	66.2	61.4	81.5
20	65.1	65.3	64.6	64.0	63.1	55.0	59.0	0.0	61.4	63.4	56.2	81.7
25	78.6	78.3	74.8	71.3	66.9	63.3	72.3	0.0	75.2	77.2	69.4	90.8
32	102.8	102.5	98.3	94.6	88.9	85.3	94.9	0.0	97.6	99.9	92.1	113.8
40	93.7	90.2	86.0	82.7	76.7	74.2	82.4	0.0	85.2	87.5	80.5	101.3
50	78.1	74.8	72.3	70.6	66.3	64.5	70.8	0.0	74.8	73.8	71.1	92.6
63	99.2	90.1	87.1	85.9	75.5	80.7	92.6	0.0	97.6	93.8	94.0	116.1
80	87.2	81.2	79.2	74.4	69.9	70.1	79.4	0.0	85.4	85.8	81.4	103.3
100	99.7	97.1	95.7	82.7	85.6	76.6	79.1	0.0	97.2	103.3	90.3	111.6
125	100.3	96.6	91.3	88.3	85.5	87.1	87.6	0.0	96.5	96.7	93.3	104.0
160	97.4	94.4	93.7	80.6	83.7	78.5	83.4	0.0	93.5	91.9	85.3	98.1
200	93.8	93.1	90.8	84.9	83.5	75.2	81.4	0.0	88.3	93.5	80.8	99.2
250	89.7	89.6	84.8	81.1	78.0	77.6	77.6	0.0	85.4	88.3	78.5	98.5
320	89.8	85.8	83.5	77.5	76.8	75.1	74.4	0.0	84.7	86.6	84.2	102.0
400	89.9	87.3	84.1	80.8	73.3	73.8	78.1	0.0	85.0	88.3	83.2	100.2
500	88.3	85.7	83.3	77.4	76.5	75.5	76.3	0.0	84.8	87.4	81.8	100.6
630	87.7	85.4	83.0	78.1	74.8	74.5	79.6	0.0	84.4	87.2	82.1	101.0
800	87.7	86.2	83.4	79.6	76.5	78.3	79.9	0.0	86.6	87.4	83.3	102.0
1.0k	87.5	86.0	82.5	78.4	75.0	77.0	79.1	0.0	84.3	86.2	82.1	98.8
1.25k	86.8	85.3	82.2	78.3	74.4	76.6	78.7	0.0	83.6	86.2	81.1	97.7
1.6k	85.3	83.3	80.7	77.4	74.5	76.4	78.6	3.0	82.0	84.7	80.9	96.4
2.0k	82.9	82.1	79.4	77.2	74.6	75.7	76.4	0.0	80.9	83.1	80.0	95.9
2.5k	83.3	81.9	78.5	78.2	76.1	76.3	77.3	0.0	80.9	82.6	81.9	95.3
3.2k	83.6	81.9	78.6	79.5	76.2	78.5	79.4	0.0	80.7	82.4	82.7	101.5
4.0k	78.2	77.5	73.8	73.2	71.1	72.5	72.2	0.0	76.3	78.7	78.5	95.2
5.0k	76.4	75.2	69.1	69.2	68.0	68.8	70.1	0.0	75.9	77.5	76.4	96.2
6.3k	73.1	73.0	65.6	68.2	65.7	66.3	67.0	0.0	73.7	74.6	74.5	93.6
8.0k	72.5	71.2	60.4	64.8	62.6	62.9	64.5	0.0	70.8	72.1	72.9	91.3
10.0k	69.4	68.3	59.9	62.2	59.2	59.1	60.1	0.0	65.9	67.7	70.8	90.2
12.5k	63.1	61.8	59.0	57.2	54.7	53.9	54.4	0.0	60.0	60.6	67.6	88.1
16.0k	57.8	56.5	58.8	54.9	48.0	46.1	46.4	0.0	56.9	57.9	64.4	86.0
20.0k	58.0	52.7	51.4	54.7	42.6	38.2	42.0	0.0	56.0	60.5	59.5	82.5
PNLT	111.1	109.0	105.7	104.9	100.8	103.2	104.2	0.0	108.1	110.8	108.3	127.6
LA	97.2	95.4	92.4	89.1	86.2	87.2	88.6	0.0	94.2	96.3	92.6	110.0
SPL	108.1	103.9	102.7	97.6	94.1	92.4	98.4	0.0	104.5	106.7	100.1	120.0

Repeat: RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	58.1	57.5	59.6	66.7	64.7	48.6	52.9	54.4	54.9	57.8	57.7	87.1
6.3	60.4	59.4	59.3	66.4	64.4	52.3	56.3	57.6	57.0	60.2	57.8	90.1
8	74.1	71.3	70.7	72.2	67.3	60.0	67.0	69.2	69.4	73.6	62.7	96.9
10	67.2	66.3	64.1	69.7	64.9	56.9	63.5	62.7	64.6	67.5	60.7	92.1
12.5	67.7	65.4	62.8	68.9	65.7	59.0	64.1	64.0	64.4	68.3	60.7	88.7
16	72.1	69.8	66.2	68.9	64.4	59.9	65.2	64.8	67.7	69.5	67.2	92.2
20	67.3	66.9	66.5	69.3	66.0	55.0	60.3	61.0	63.2	65.6	60.3	87.9
25	79.6	77.7	73.5	72.1	68.9	64.2	71.6	72.9	76.0	77.9	72.1	91.9
32	102.3	101.7	96.7	93.1	87.5	85.9	93.8	94.2	97.0	99.7	94.8	113.5
40	90.4	89.7	84.7	81.5	75.9	75.2	81.8	82.7	85.3	88.1	83.0	101.4
50	79.9	76.2	73.6	71.5	67.3	66.6	69.1	73.4	74.7	76.0	71.7	92.9
63	99.8	92.2	86.3	85.1	79.2	81.4	90.3	96.8	97.0	94.6	93.0	115.7
80	88.2	82.9	79.7	74.7	71.1	71.5	77.6	84.2	85.3	86.5	81.2	103.1
100	99.2	96.8	95.1	83.9	83.9	82.7	79.8	88.0	97.7	103.3	90.8	110.9
125	100.1	96.3	91.3	86.7	85.4	86.6	87.6	94.4	96.6	97.4	92.1	103.8
160	96.8	94.3	93.1	81.7	82.3	80.4	85.0	89.6	93.5	93.2	87.1	99.4
200	94.1	93.0	91.2	83.2	84.8	79.8	83.1	85.2	89.6	92.5	82.7	100.5
250	92.3	89.9	85.1	82.0	79.9	77.7	79.4	85.2	86.1	88.9	80.6	100.1
320	92.2	89.8	86.8	80.3	78.2	77.2	77.4	84.5	87.1	88.2	85.8	102.5
400	91.6	89.5	87.1	83.5	75.9	74.3	79.4	83.8	86.1	88.0	83.7	100.0
500	90.2	87.8	85.8	78.7	78.3	75.6	77.2	83.6	85.3	88.0	82.2	99.5
630	88.9	87.1	84.5	79.2	75.2	73.4	78.2	83.4	84.9	87.4	81.7	99.4
800	88.5	87.1	84.3	79.5	76.7	76.3	79.5	83.9	86.7	87.8	82.2	100.2
1.0k	87.3	86.5	83.1	78.4	75.1	76.5	79.1	82.8	84.4	86.6	81.6	98.7
1.25k	87.3	85.6	82.7	78.2	73.9	75.4	77.6	82.3	84.0	85.9	80.8	96.8
1.6k	84.6	83.2	80.6	76.8	73.1	74.9	77.0	80.3	82.2	84.2	80.2	95.8
2.0k	82.1	81.6	79.3	76.4	73.1	74.1	75.8	79.4	81.1	82.7	80.0	95.6
2.5k	82.0	81.2	78.7	77.5	74.7	75.1	76.4	79.2	81.2	83.2	82.0	95.5
3.2k	81.3	82.3	80.6	79.4	75.9	76.4	79.2	81.9	82.2	82.7	84.5	102.6
4.0k	75.3	77.7	76.3	73.5	70.8	74.2	74.1	75.6	77.8	79.2	82.2	95.6
5.0k	71.1	76.3	73.7	70.3	67.8	69.0	68.7	74.1	76.5	78.2	77.2	95.8
6.3k	65.0	75.4	73.4	69.9	66.6	67.1	67.3	73.2	74.8	75.8	76.2	94.3
8.0k	68.7	74.0	71.7	67.3	63.9	64.0	65.9	70.7	71.8	74.6	74.3	91.8
10.0k	73.6	70.7	67.8	65.2	60.7	59.9	61.0	66.6	66.7	71.1	72.2	90.8
12.5k	72.9	65.8	63.9	60.7	55.1	53.8	54.7	60.1	62.2	64.0	68.6	88.7
16.0k	65.6	58.1	55.2	58.9	47.0	46.6	48.6	58.5	56.9	57.4	64.7	86.3
20.0k	61.4	51.1	50.8	58.0	41.6	42.0	42.9	59.1	55.5	59.0	59.7	82.7
PNLT	110.8	109.7	108.3	105.1	101.9	103.0	104.6	108.8	109.2	111.3	109.1	128.2
LA	97.5	96.1	93.5	89.2	86.2	86.7	88.5	92.7	94.7	96.5	93.1	109.9
SPL	108.0	105.7	102.2	96.9	93.7	92.9	97.6	101.8	104.5	107.0	103.5	119.7

RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	64.2	60.0	53.2	53.8	52.8	49.5	50.6	55.9	67.3	71.3	55.7	99.8
6.3	65.6	62.8	55.4	56.0	53.7	52.7	56.3	58.2	67.5	73.0	56.0	101.5
8	72.1	68.0	67.6	66.6	62.9	63.5	69.0	69.3	71.7	77.6	60.6	107.9
10	70.0	66.2	62.9	63.8	60.6	57.6	64.6	64.5	70.3	75.2	59.7	107.6
12.5	72.1	66.1	63.7	65.2	62.4	62.4	66.1	66.7	71.3	75.6	62.9	106.6
16	76.8	73.9	69.9	64.6	59.4	69.3	75.3	75.8	80.0	79.9	73.3	107.0
20	71.7	68.3	66.3	65.2	60.8	64.2	65.9	67.4	73.1	75.6	64.6	106.8
25	77.8	76.5	73.1	71.7	65.8	65.1	74.7	75.9	78.6	81.4	73.5	105.7
32	100 ~	99.4	94.5	92.1	81.4	86.7	95.4	96.0	96.5	99.7	96.3	112.3
40	88.-	87.4	82.7	80.3	71.9	75.2	83.1	83.5	84.4	87.7	84.2	103.9
50	80.7	77.3	74.8	71.4	68.9	66.9	71.1	73.6	77.6	80.6	72.6	101.3
63	99.2	91.7	87.6	85.9	75.8	81.3	90.5	96.2	96.3	95.6	92.3	114.9
80	87.8	82.3	80.1	74.8	70.7	71.5	78.1	83.8	85.3	86.9	80.1	103.2
100	99.2	96.2	95.8	81.1	85.7	76.7	81.8	86.3	97.0	102.7	88.1	108.7
125	98.8	96.6	92.2	90.5	87.6	86.3	86.3	93.5	96.0	97.9	92.2	104.7
160	96.5	93.7	94.4	82.2	86.6	79.2	84.2	89.2	94.2	93.4	82.8	99.4
200	91.5	91.2	91.6	88.6	80.7	77.3	83.8	86.8	89.5	92.1	83.5	100.7
250	88.7	89.3	86.9	81.5	79.8	78.4	78.9	84.2	85.8	89.8	79.9	99.5
320	88.1	86.6	84.7	77.3	78.8	77.7	76.8	83.1	85.1	85.3	84.5	99.6
400	87.9	86.6	84.3	80.8	74.3	75.1	78.9	83.8	85.1	85.7	82.2	97.3
500	86.4	84.4	83.6	77.5	76.1	75.5	76.2	82.7	84.2	85.5	79.6	97.3
630	85.9	83.6	82.4	78.1	73.5	73.7	77.2	82.5	83.7	83.4	79.3	97.9
800	86.7	84.7	82.9	78.5	75.6	78.3	79.0	84.1	86.8	86.8	81.8	100.2
1.0k	86.4	85.0	82.1	78.3	74.9	76.2	77.3	82.4	83.7	86.1	80.4	96.9
1.25k	87.7	84.8	82.5	78.6	74.5	75.9	77.9	82.4	84.1	86.2	80.1	96.5
1.6k	85.8	83.4	80.7	77.7	74.1	75.2	74.8	80.2	82.2	83.8	79.8	95.3
2.0k	83.8	81.9	80.3	77.6	74.4	74.5	74.7	79.8	81.1	81.7	79.9	96.8
2.5k	85.4	81.5	79.0	78.4	75.5	74.8	75.9	79.7	81.0	81.5	82.0	95.9
3.2k	84.9	83.5	81.1	81.2	76.9	77.3	78.3	80.4	81.4	81.5	83.2	102.3
4.0k	81.5	80.3	76.9	77.2	74.3	72.5	73.3	76.8	78.5	79.8	79.1	95.9
5.0k	80.7	79.1	73.3	73.6	71.6	70.4	72.1	76.2	78.4	79.2	77.9	96.6
6.3k	78.2	77.4	71.1	73.3	70.1	68.8	69.8	73.7	76.4	77.5	77.5	95.8
8.0k	77.4	76.3	67.1	70.5	67.8	66.6	68.0	72.7	74.8	75.6	76.2	93.5
10.0k	75.1	73.2	64.8	67.8	64.6	62.8	63.5	69.2	69.5	71.2	74.1	92.7
12.5k	69.0	67.1	63.7	62.7	60.2	56.5	57.4	63.2	63.9	64.5	70.8	90.4
16.0k	62.9	61.5	63.9	59.0	52.0	49.5	51.6	60.2	60.3	60.7	67.4	88.3
20.0k	61.8	56.4	55.3	57.3	44.1	42.5	47.1	59.1	58.5	62.9	61.8	84.8
PNLT	111.7	109.8	108.3	106.6	101.7	102.7	104.2	107.8	109.8	110.8	108.6	127.8
LA	97.1	95.1	93.0	89.9	86.7	84.7	88.1	92.5	94.4	95.8	92.3	109.5
SPL	106.8	104.4	102.2	97.3	93.6	92.6	98.3	101.7	104.1	1--.8	100.4	120.4

Repeat: RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	60.0	59.0	59.7	62.7	56.4	51.1	51.5	52.0	53.1	60.2	58.1	93.1
6.3	62.8	61.6	62.8	62.7	56.8	53.8	55.2	54.7	54.5	63.0	58.7	95.4
8	71.8	67.8	68.6	68.8	63.2	64.2	66.6	68.2	67.6	72.3	63.8	101.4
10	68.9	67.1	65.6	67.5	60.2	58.4	64.3	62.6	64.4	68.3	62.4	99.9
12.5	69.4	66.4	65.6	67.4	60.8	61.5	64.0	64.4	65.1	69.3	62.1	99.3
16	76.1	73.8	69.8	67.4	61.1	68.0	73.6	74.8	78.0	76.9	71.7	103.5
20	70.1	69.1	67.2	68.4	62.3	59.9	65.2	65.9	68.9	73.1	63.7	101.1
25	78.4	76.3	72.6	71.7	64.7	64.7	72.9	74.2	77.1	79.2	74.0	99.8
32	99.9	99.0	93.4	90.7	81.2	86.7	90.1	94.3	96.0	99.2	97.5	112.2
40	88.7	87.4	82.2	79.8	71.4	75.5	82.4	82.5	84.3	87.4	85.7	102.4
50	81.6	78.4	75.9	71.-	68.7	68.3	70.3	72.8	75.8	79.2	73.3	98.2
63	89.6	91.5	86.3	84.5	80.8	79.9	87.5	94.5	94.5	93.7	92.1	114.9
80	88.4	83.0	80.3	74.7	72.3	72.5	77.3	83.6	85.3	86.7	80.6	103.0
100	98.6	96.5	95.5	84.4	83.3	81.8	88.9	88.0	96.9	102.5	90.8	108.8
125	99.3	96.3	91.5	86.6	85.6	86.6	87.6	93.7	96.2	96.9	90.3	104.1
160	95.6	94.1	94.4	83.3	83.5	82.3	85.0	90.9	94.1	94.2	84.2	100.6
200	92.4	91.4	91.2	84.3	84.5	81.1	86.4	87.9	90.3	93.0	83.5	100.5
250	92.3	90.9	87.9	84.0	81.4	80.3	82.0	86.4	88.7	92.1	83.7	101.1
320	92.9	91.1	88.2	81.3	79.9	79.7	80.1	86.1	84.8	90.0	86.6	103.1
400	92.0	90.3	88.3	84.5	77.4	76.3	82.3	86.1	87.8	89.5	84.4	100.4
500	90.8	88.8	87.5	80.2	79.8	77.7	79.3	85.2	86.8	88.6	82.3	99.3
630	89.4	87.4	85.6	80.4	76.4	74.6	79.2	83.9	85.4	87.7	81.9	99.1
800	88.9	87.2	85.1	80.4	77.6	78.6	80.1	84.4	86.8	87.8	82.4	100.1
1.0k	87.2	86.6	83.8	79.1	76.6	77.9	78.7	83.0	84.5	86.7	81.8	97.7
1.25k	87.6	86.1	83.8	78.5	75.1	76.5	78.2	82.8	84.5	86.4	81.2	96.3
1.6k	84.7	83.7	81.1	76.8	74.0	75.4	77.0	80.5	82.4	84.0	80.6	94.9
2.0k	82.5	82.2	80.1	76.4	74.6	74.2	75.1	79.7	80.9	82.1	80.7	95.2
2.5k	82.7	81.9	79.6	77.6	75.8	74.7	75.6	79.4	80.9	82.7	82.6	96.1
3.2k	82.5	83.5	82.0	80.5	77.2	78.0	78.8	81.7	82.3	82.9	84.1	103.5
4.0k	77.2	80.0	78.5	75.7	72.9	73.1	73.7	76.8	78.9	80.3	79.9	95.8
5.0k	72.9	78.7	76.5	73.2	70.5	70.1	70.2	75.5	78.2	79.5	78.0	96.2
6.3k	68.1	78.2	76.5	73.2	69.7	68.8	68.8	74.8	76.-	77.7	77.7	95.6
8.0k	71.7	76.8	75.1	71.1	67.4	66.2	66.9	72.7	73.9	75.4	75.7	93.1
10.0k	76.7	73.9	71.6	68.8	64.4	62.3	63.0	68.7	68.9	73.3	73.9	92.5
12.5k	76.0	69.3	65.8	63.5	59.0	56.2	54.5	61.0	64.3	66.3	70.2	90.2
16.0k	68.8	61.5	58.7	59.6	50.2	48.3	50.2	59.1	58.5	59.2	66.3	87.8
20.0k	63.8	53.5	52.7	58.2	42.2	42.3	43.3	59.1	56.9	60.0	62.5	84.2
PWLT	112.9	110.6	109.2	106.2	102.2	103.5	105.0	108.9	109.4	111.8	108.4	120.8
LA	97.8	96.6	94.6	90.1	87.4	87.4	89.1	93.3	95.2	96.9	93.2	110.1
SPL	107.1	104.8	102.1	96.4	93.3	93.5	97.8	101.4	104.0	106.7	101.2	119.3

RPM = 497., Corrective = 0.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	73.7	66.3	60.9	58.8	61.3	58.4	59.0	59.2	66.3	74.9	53.2	100.4
6.3	74.2	67.5	62.7	60.0	62.1	60.3	60.2	61.3	67.1	76.3	54.8	101.8
8	75.1	70.7	66.8	63.3	63.0	64.0	66.3	67.5	69.7	77.9	60.2	107.7
10	77.0	70.1	66.3	64.5	64.5	60.7	65.1	64.9	70.4	78.8	59.0	107.7
12.5	76.9	70.8	66.1	64.3	64.5	62.9	64.4	65.5	70.9	78.1	63.3	107.5
16	82.5	79.4	76.2	72.3	66.2	72.3	77.8	78.4	81.7	82.6	77.6	110.4
20	77.9	73.9	69.7	67.9	65.1	63.5	68.9	69.6	73.3	78.7	68.1	108.1
25	80.1	77.5	72.0	69.2	65.7	65.9	73.3	73.5	75.7	80.3	74.3	107.3
32	100.3	99.3	91.3	87.6	78.0	88.0	95.7	95.5	94.2	98.5	97.9	112.7
40	89.3	87.7	80.9	77.9	71.9	76.8	83.6	83.3	82.8	87.1	86.1	105.8
50	86.0	83.5	80.8	72.0	74.3	69.4	73.0	74.9	80.0	84.7	75.0	103.3
63	95.8	88.4	83.3	83.8	82.7	80.9	84.2	93.7	93.6	96.7	89.6	112.3
80	86.3	83.1	81.4	75.3	74.2	72.7	75.7	82.3	84.0	87.1	78.8	102.8
100	97.4	95.8	95.1	82.4	83.8	80.1	81.7	86.3	96.2	102.1	86.6	107.7
125	97.9	96.1	91.3	88.5	85.2	83.4	84.6	92.1	94.7	96.9	88.3	102.7
160	96.5	93.8	93.5	83.8	85.8	78.3	83.9	87.9	93.8	93.5	82.7	100.4
200	92.8	93.1	92.0	87.6	84.2	77.8	82.7	84.6	88.9	92.3	82.4	99.3
250	92.5	92.1	88.7	85.0	81.9	79.5	83.6	85.2	87.4	91.6	80.8	100.3
320	92.9	91.0	88.5	81.4	81.3	77.6	78.2	84.4	87.0	88.0	84.9	101.7
400	91.4	90.4	88.1	84.7	77.4	75.0	80.2	84.9	86.3	87.6	82.2	98.5
500	89.8	88.1	86.7	79.8	78.7	76.1	77.1	83.4	85.8	87.1	80.5	97.8
630	87.5	86.0	84.5	79.9	75.0	73.7	78.2	82.9	84.2	85.8	80.3	98.3
800	87.2	85.6	83.8	79.3	76.3	77.2	79.4	84.2	86.8	86.5	82.1	98.9
1.0k	86.1	85.3	82.8	79.1	74.8	76.8	78.1	82.8	83.9	85.6	81.4	96.7
1.25k	87.1	85.1	82.3	78.7	74.7	76.5	78.5	82.8	84.4	86.1	81.4	96.3
1.6k	85.4	83.4	81.0	77.6	74.4	75.6	77.3	80.6	82.6	84.4	81.1	95.4
2.0k	83.5	81.9	80.3	76.8	74.2	74.8	75.2	80.3	81.5	82.4	81.1	96.9
2.5k	85.4	82.1	79.2	77.8	75.5	75.4	76.6	80.1	81.7	82.5	83.0	96.4
3.2k	84.4	83.6	81.7	81.2	76.8	77.1	78.6	80.5	81.9	83.3	83.8	102.4
4.0k	81.4	80.8	77.0	76.6	74.3	72.9	74.5	77.7	79.3	81.2	79.6	95.9
5.0k	80.8	79.8	73.8	73.6	71.6	71.1	72.7	77.0	79.1	80.2	78.6	96.5
6.3k	79.3	78.7	71.8	73.9	70.8	69.6	70.6	74.7	77.4	78.6	78.9	96.7
8.0k	78.6	77.6	68.0	71.4	68.5	67.3	69.3	73.7	75.9	77.2	77.3	94.0
10.0k	76.5	74.6	66.4	68.9	65.7	63.5	64.6	70.4	71.0	73.1	75.1	93.6
12.5k	70.5	68.9	64.9	63.9	61.3	57.3	58.6	64.4	65.4	66.4	71.9	91.4
16.0k	64.6	63.1	65.0	59.7	53.2	50.3	52.6	60.7	61.9	62.6	68.4	89.5
20.0k	63.8	58.7	56.7	57.6	45.1	42.9	47.3	59.3	59.9	64.6	62.6	86.2
ONLT	112.0	110.6	109.2	106.8	102.2	102.1	104.3	107.8	109.1	111.1	108.6	127.8
LA	97.8	96.3	94.0	90.5	87.2	86.8	88.6	92.9	94.5	96.3	93.0	109.6
SPL	106.5	104.8	101.6	96.3	93.6	92.8	94.0	100.8	103.0	106.5	100.6	120.3

RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	78.8	69.9	65.8	64.7	67.6	55.1	58.4	61.1	70.3	79.8	55.1	98.9
6.3	78.5	72.4	68.9	65.9	68.7	56.4	60.1	63.2	70.8	81.0	58.3	103.5
8	80.1	73.2	68.6	66.8	70.5	60.3	63.3	65.4	72.7	81.1	61.7	110.7
10	79.6	74.9	69.1	67.6	1.1	59.5	65.9	66.5	74.3	81.3	62.1	108.2
12.5	79.6	74.8	69.0	67.8	70.5	63.4	66.6	68.3	74.3	80.8	65.2	107.5
16	84.8	83.7	80.7	78.4	74.6	75.9	81.2	81.5	84.5	84.9	81.0	113.3
20	81.2	77.1	73.0	70.0	71.3	66.0	71.4	72.3	77.1	82.3	71.3	111.1
25	81.7	78.3	71.8	68.1	71.4	67.3	73.2	73.5	76.3	81.8	76.1	111.1
32	99.5	99.1	91.0	31.5	84.6	89.5	95.2	94.5	91.4	97.2	100.0	114.3
40	88.7	87.5	80.7	75.1	75.3	78.0	82.9	82.4	81.1	86.3	87.9	109.3
50	89.4	86.4	83.3	72.9	78.4	74.2	74.2	75.7	79.3	86.1	77.3	106.8
63	94.0	88.6	85.7	87.2	85.4	72.6	81.6	90.0	90.9	97.5	87.3	112.1
80	87.8	84.8	82.3	77.2	75.7	73.4	74.9	82.8	84.8	89.0	77.6	105.5
100	97.5	95.7	94.9	82.2	83.7	79.4	80.4	87.3	96.2	101.6	87.6	106.6
125	97.1	95.1	90.8	88.9	85.0	83.7	84.8	92.0	94.3	96.3	87.3	104.0
160	96.1	93.3	92.8	83.6	85.6	79.8	83.6	88.4	93.3	93.7	83.7	102.2
200	94.5	93.4	91.6	88.4	82.6	80.1	84.8	87.8	91.4	94.2	83.1	101.5
250	94.4	92.7	90.7	86.9	83.1	80.7	82.1	87.6	89.7	93.0	82.9	101.5
320	94.6	93.2	91.1	83.2	83.7	80.6	82.8	87.6	90.1	91.5	86.2	103.5
400	93.6	92.6	91.1	88.2	79.8	77.7	83.0	87.6	89.1	91.0	84.5	100.4
500	91.8	90.6	89.9	83.2	82.7	79.0	79.6	86.7	88.7	92.5	83.1	99.6
630	90.3	88.7	87.3	83.2	77.8	75.8	80.7	85.7	86.8	89.9	82.9	99.1
800	89.9	88.2	86.4	82.0	78.6	78.8	81.0	86.2	87.9	88.5	83.8	99.6
1.0k	88.3	87.5	85.2	81.4	77.5	78.5	80.1	84.4	85.5	87.0	83.9	97.7
1.25k	88.8	86.9	84.6	80.8	77.2	77.9	80.1	84.0	85.1	86.8	83.6	96.7
1.6k	87.5	85.5	83.0	79.9	76.6	77.3	78.9	81.9	83.6	85.0	83.5	96.1
2.0k	85.0	83.6	81.6	78.7	75.8	75.7	76.2	81.2	81.7	82.8	83.6	97.3
2.5k	85.5	83.2	80.4	79.8	75.8	75.5	77.3	80.5	81.8	82.8	84.5	97.2
3.2k	85.8	84.2	81.1	81.7	77.1	77.3	78.9	80.7	82.0	83.7	84.4	102.5
4.0k	83.2	82.2	78.1	77.0	73.9	73.3	74.7	78.1	79.8	81.7	80.4	96.6
5.0k	82.4	81.3	74.9	75.0	72.5	71.4	73.3	77.6	79.7	80.9	79.6	97.0
6.3k	80.9	80.2	73.2	75.2	71.7	70.5	71.5	75.8	78.4	79.8	80.0	97.5
8.0k	81.0	79.6	70.5	73.3	70.1	68.5	70.1	75.0	77.0	78.7	78.7	94.9
10.0k	79.5	77.3	68.7	71.4	67.8	65.2	66.1	72.1	73.1	75.1	76.8	94.9
12.5k	73.9	72.0	67.4	66.1	63.3	58.9	60.2	66.2	67.6	68.9	73.5	92.9
16.0k	69.0	67.3	67.2	61.1	55.0	51.6	53.8	61.9	64.0	64.9	69.9	91.1
20.0k	68.1	63.7	59.5	59.2	46.4	43.5	47.9	60.1	61.9	66.6	64.0	88.3
PNLT	113.4	111.9	106.8	107.9	104.6	102.8	104.0	108.6	109.8	111.9	109.0	128.2
LA	99.6	98.0	95.9	92.5	88.9	88.1	90.1	94.5	96.1	97.8	94.7	110.3
SPL	106.8	105.2	102.3	97.4	95.0	93.9	97.8	100.8	103.1	106.7	102.1	122.0

RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	81.8	73.0	67.8	66.6	73.1	54.9	61.7	66.1	75.0	84.8	50.4	102.3
6.3	83.4	72.9	68.0	69.1	73.5	57.7	62.3	67.4	73.5	84.1	55.1	106.6
8	83.9	75.3	72.1	72.3	76.1	60.9	65.3	69.0	77.1	84.8	67.3	110.6
10	83.8	76.3	69.6	72.1	76.9	59.6	67.9	70.0	77.8	85.3	61.3	109.7
12.5	84.0	76.8	71.0	71.8	77.5	64.1	69.5	70.6	79.9	84.9	66.2	111.8
16	88.1	86.1	83.0	81.2	78.6	77.8	83.1	83.4	87.0	89.3	83.2	116.0
20	84.1	79.7	74.3	73.4	76.2	67.8	73.7	74.8	80.3	85.9	73.1	114.6
25	85.0	80.6	74.3	71.4	76.0	68.0	74.1	75.4	79.5	86.0	76.9	115.0
32	101.4	100.7	95.0	85.9	89.2	89.5	95.8	95.9	92.6	98.5	100.9	116.1
40	90.6	89.1	83.5	76.7	79.7	78.3	83.9	84.0	82.8	88.7	89.1	113.2
50	90.1	87.0	84.1	73.6	80.4	76.8	75.0	78.5	80.9	86.5	79.9	111.8
63	92.4	86.4	87.8	85.6	88.9	73.4	78.7	86.9	89.9	97.9	84.5	114.4
80	86.7	82.6	81.3	76.1	73.1	74.8	76.0	83.3	85.9	89.6	77.5	109.0
100	96.5	94.4	93.1	79.6	83.1	80.1	82.7	89.1	96.5	100.7	88.3	108.0
125	95.1	93.4	88.2	87.0	82.4	84.3	85.1	92.1	95.0	97.0	88.0	106.4
160	93.9	91.2	91.6	83.1	83.9	81.1	83.3	89.6	94.2	94.0	83.2	105.0
200	91.2	90.8	90.3	87.9	79.8	81.4	86.1	88.0	91.8	93.9	83.2	104.2
250	91.1	90.3	88.1	84.8	82.2	82.0	83.1	88.4	90.5	93.1	83.7	103.3
320	91.2	89.9	88.8	81.2	82.0	81.9	82.1	88.5	91.3	92.8	86.4	104.5
400	90.5	90.1	88.2	86.1	78.6	79.3	84.4	88.9	92.6	91.9	85.4	102.3
500	89.4	88.6	87.8	82.0	81.5	80.7	80.8	88.0	90.0	91.1	84.2	101.4
630	88.6	87.4	86.4	83.2	78.0	77.6	82.4	86.7	87.6	89.3	84.6	100.6
800	89.1	87.6	86.2	82.9	79.8	80.6	82.0	87.0	88.9	89.7	85.1	101.4
1.0k	88.7	88.3	86.1	82.9	79.4	80.4	81.9	86.3	87.3	89.0	87.0	99.4
1.25k	88.8	87.3	85.3	82.8	79.8	80.0	82.0	85.5	86.8	88.7	87.7	98.2
1.6k	88.0	86.2	84.1	81.3	78.5	79.0	82.5	83.5	85.6	86.9	86.1	97.4
2.0k	85.6	84.6	82.9	80.3	77.6	77.5	77.6	82.9	84.1	84.3	85.9	98.2
2.5k	86.1	84.3	81.7	81.6	78.2	77.3	78.8	81.6	83.9	83.6	86.3	98.1
3.2k	86.5	85.1	82.6	82.7	78.7	78.8	80.1	81.3	83.5	84.6	85.2	102.5
4.0k	84.1	83.4	79.3	78.3	75.4	74.5	75.9	78.9	81.1	81.6	82.0	97.3
5.0k	83.4	82.3	76.2	76.4	74.3	72.9	74.3	78.5	80.9	81.7	80.8	97.7
6.3k	81.4	81.1	74.5	76.3	73.4	71.5	72.2	76.7	79.6	80.5	80.8	98.3
8.0k	82.1	80.7	71.6	74.3	71.5	69.6	71.2	76.2	78.2	79.6	80.0	96.4
10.0k	80.3	78.3	72.0	72.4	68.9	66.2	67.4	73.4	74.4	76.2	78.0	96.3
12.5k	74.3	72.9	68.9	66.9	64.6	60.1	61.4	67.7	69.5	70.5	74.8	94.4
16.0k	69.1	67.8	69.2	61.9	56.4	53.0	55.2	63.3	66.5	67.1	71.2	93.1
20.0k	68.2	63.2	61.1	59.9	47.7	44.4	48.6	61.2	64.0	68.9	65.6	90.9
PNLT	113.1	111.7	109.1	108.2	105.3	104.2	105.2	108.8	111.2	112.7	110.3	129.0
LA	98.9	97.7	95.6	93.1	89.8	89.8	91.5	95.7	97.5	98.9	96.7	111.4
SPL	106.3	104.8	101.8	97.0	96.2	94.8	96.7	101.7	103.9	107.2	103.2	124.6

RPM = 497., Collective = 0.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	85.8	77.1	69.6	69.0	69.8	63.0	66.9	68.6	76.8	86.4	53.4	107.1
6.3	86.2	77.5	71.1	70.4	70.5	63.3	69.1	69.9	78.3	88.8	56.9	108.9
8	88.3	78.8	73.9	72.6	71.8	65.1	70.9	73.0	79.7	87.6	60.6	113.8
10	87.7	80.3	73.2	72.5	72.4	65.1	71.1	72.7	80.0	87.6	63.2	112.7
12.5	87.3	80.7	73.3	72.2	71.9	65.9	72.5	73.9	80.4	86.9	66.6	115.6
16	89.5	87.1	84.0	81.6	77.2	79.6	85.0	85.7	88.4	90.3	85.6	120.1
20	89.1	81.4	75.9	74.0	72.7	69.6	75.7	77.3	82.2	87.7	75.0	118.6
25	88.8	82.4	76.5	72.6	73.2	68.8	76.4	77.3	82.2	87.7	77.7	118.4
32	102.8	102.3	97.8	88.7	90.7	90.6	95.3	95.7	92.4	98.6	101.6	118.4
40	92.8	90.8	86.2	78.4	79.9	79.4	83.3	84.0	83.5	89.5	89.8	116.0
50	90.4	86.4	84.0	73.7	79.4	78.9	76.0	79.0	79.5	87.5	82.3	113.9
63	95.9	91.0	92.0	88.3	89.9	71.9	77.0	82.1	87.5	96.7	81.2	116.3
80	88.6	83.6	82.6	77.3	78.4	75.0	75.2	82.8	85.5	89.3	77.1	110.4
100	94.5	93.4	92.4	79.7	81.4	78.9	81.9	89.1	95.7	99.6	87.2	109.6
125	94.7	92.6	87.5	85.9	81.5	83.9	85.7	92.6	95.0	97.2	86.3	106.8
160	93.6	89.9	90.7	81.6	84.1	80.5	82.4	90.0	94.3	93.8	80.4	105.2
200	91.1	90.6	90.0	87.4	79.9	79.5	84.3	87.0	90.7	92.6	81.2	103.8
250	91.5	90.1	88.3	84.9	81.4	79.9	81.5	85.6	87.7	90.2	81.7	101.8
320	91.7	90.4	89.0	81.8	82.4	80.0	80.2	86.5	88.5	90.2	85.3	103.6
400	91.4	90.5	88.8	86.8	78.9	77.2	83.3	87.0	88.3	89.7	84.5	101.0
500	90.3	89.1	88.4	82.4	82.4	80.2	82.2	86.6	88.8	90.1	84.1	101.0
630	89.3	88.2	87.3	83.9	78.8	78.4	83.2	86.5	87.2	88.7	86.0	100.2
800	90.1	88.6	87.5	84.4	81.1	82.3	83.9	87.9	88.8	89.8	87.2	101.7
1.0k	9..4	91.1	88.2	84.8	81.5	82.8	84.5	88.0	88.5	90.7	89.1	100.4
1.25k	90.4	89.9	88.6	86.2	83.4	83.6	86.3	88.5	89.0	90.5	91.6	98.0
1.6k	90.0	88.1	86.0	83.1	80.5	81.8	83.2	86.3	87.8	88.7	88.9	97.4
2.0k	87.1	87.0	85.2	82.8	79.4	79.9	80.8	86.4	87.1	86.1	88.1	98.3
2.5k	87.1	85.8	83.5	84.3	80.2	79.3	81.9	84.3	85.7	85.0	88.0	98.5
3.2k	87.8	86.1	83.4	84.3	80.0	80.2	82.1	83.5	84.4	85.6	86.5	103.0
4.0k	85.5	84.6	80.6	79.6	76.5	76.1	77.9	81.0	82.2	83.5	83.4	97.6
5.0k	84.7	83.5	77.3	77.8	75.5	74.4	76.1	80.2	82.2	82.6	82.4	97.9
6.3k	82.7	82.3	75.5	77.6	74.6	72.9	73.9	78.1	80.7	81.1	82.1	98.4
8.0k	83.6	82.0	72.6	75.7	72.8	71.0	72.7	77.6	78.9	80.5	81.5	97.1
10.0k	82.0	79.8	71.5	73.7	70.1	67.5	69.2	74.9	75.3	77.0	79.4	97.3
12.5k	76.2	74.4	70.4	68.4	65.6	61.7	63.5	69.2	71.1	71.4	76.2	95.8
16.0k	71.7	69.4	70.4	62.8	57.7	54.4	57.2	64.7	67.2	68.5	72.4	94.9
20.0k	70.8	65.6	62.3	60.5	48.9	45.3	50.0	62.4	65.3	70.4	66.8	92.7
PNLT	114.2	112.7	110.1	109.6	106.5	105.4	107.3	110.5	111.7	113.0	111.5	129.4
LA	100.2	99.2	97.1	94.9	91.5	91.6	93.7	97.1	98.2	99.3	98.8	111.6
SPL	107.4	105.8	103.0	98.2	96.9	95.5	98.8	101.8	103.6	106.9	104.0	127.5

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	56.4	50.1	49.1	47.5	45.5	45.1	52.9	52.3	58.0	63.4	53.8	81.9
6.3	58.6	53.8	52.3	50.2	49.1	49.7	55.0	54.4	59.0	66.5	55.9	83.1
8	65.1	59.2	58.3	56.8	52.5	52.4	57.7	58.6	60.4	68.3	59.4	85.8
10	67.6	63.1	62.1	62.7	59.1	55.1	63.9	62.3	65.8	69.3	58.8	84.5
12.5	68.5	63.9	62.5	64.0	60.8	60.8	64.1	64.6	67.0	70.8	61.4	84.3
16	65.2	63.1	60.9	60.5	57.7	57.8	62.2	61.7	66.5	69.7	63.5	83.1
20	65.7	65.3	66.1	65.3	62.0	55.3	60.1	60.0	63.8	68.6	57.5	82.7
25	78.8	77.8	75.6	71.5	65.6	62.7	71.9	72.6	74.9	77.2	67.4	90.7
32	102.6	102.1	99.6	94.7	88.6	84.2	95.3	96.4	98.4	100.6	91.0	114.1
40	90.6	90.2	87.5	82.9	76.6	73.4	83.1	84.2	86.2	88.4	79.7	101.9
50	79.1	75.1	73.1	70.9	64.9	65.2	70.8	74.0	75.0	74.9	70.9	93.4
63	101.9	94.4	90.5	88.8	76.3	84.1	93.2	98.1	98.6	96.7	94.4	117.0
80	89.5	83.4	80.7	76.7	70.2	72.3	80.5	85.4	86.4	86.8	81.9	104.3
100	98.8	96.5	95.6	82.1	85.1	79.9	82.3	86.4	97.6	103.0	88.7	110.4
125	98.7	96.3	91.7	89.3	85.5	86.8	87.2	93.4	96.8	98.1	91.6	103.6
160	96.2	94.0	94.2	80.8	85.5	78.9	84.7	89.1	93.9	92.5	83.2	97.4
200	90.9	91.2	90.7	85.7	83.0	74.0	82.6	85.3	91.0	93.2	82.5	100.3
250	88.2	88.6	85.5	80.2	77.1	78.7	77.2	82.6	83.8	89.7	80.0	100.3
320	86.8	84.5	82.3	77.2	76.8	75.3	77.1	80.5	84.1	85.2	83.4	102.3
400	86.4	84.1	82.3	79.6	72.2	71.7	77.9	81.4	83.0	84.5	81.2	98.0
500	84.8	82.3	81.0	75.2	74.3	72.9	74.2	80.8	83.0	84.8	79.7	96.4
630	84.6	82.1	80.6	75.6	72.1	71.3	75.7	80.1	81.8	84.5	78.6	97.0
800	85.7	84.0	81.1	76.5	74.9	75.7	77.9	81.3	84.7	85.7	80.0	99.4
1.0k	85.1	83.0	80.6	75.9	73.1	74.9	77.0	80.1	81.8	84.0	81.1	96.8
1.25k	86.4	84.1	81.5	77.5	74.3	75.4	78.4	81.6	83.6	85.7	80.9	95.6
1.6k	83.4	82.4	79.9	76.2	73.4	73.9	77.3	79.3	81.3	83.3	80.9	97.3
2.0k	83.6	81.1	79.8	76.9	74.4	74.5	75.8	79.7	81.3	83.0	83.3	97.0
2.5k	87.6	83.1	81.3	79.1	76.5	76.8	78.5	80.8	83.4	87.1	84.5	95.8
3.2k	83.0	86.5	87.5	85.0	81.2	83.7	84.9	87.5	86.7	83.5	90.7	103.8
4.0k	77.3	77.1	77.1	79.6	78.6	80.3	78.6	76.3	77.6	78.8	89.8	95.8
5.0k	74.4	74.2	71.9	70.5	67.6	68.5	70.3	72.0	74.8	76.4	77.8	96.0
6.3k	69.6	73.9	72.3	69.2	66.0	67.5	69.3	71.5	73.2	72.7	77.0	95.3
8.0k	70.2	69.1	69.2	69.1	64.9	66.3	68.2	67.9	69.4	72.2	78.3	92.4
10.0k	71.6	67.2	67.5	66.4	60.1	62.9	65.8	64.8	68.2	71.4	73.9	91.9
12.5k	73.6	68.4	67.8	66.5	59.2	62.1	65.7	64.8	69.7	71.6	72.2	90.1
16.0k	74.5	71.0	69.1	68.3	60.3	63.4	66.9	66.9	71.6	73.8	71.0	88.7
20.0k	75.1	72.0	69.5	69.1	61.0	63.7	66.5	67.8	72.0	74.0	69.6	87.1
PNLT	112.7	112.2	112.3	108.2	104.4	106.0	108.3	112.0	112.3	112.3	113.3	129.0
LA	96.2	94.6	93.5	90.4	87.6	88.8	90.2	92.9	94.5	96.0	96.4	109.9
SPL	107.8	105.6	103.5	98.2	94.2	93.0	99.0	102.4	105.1	107.2	100.3	120.3

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	68.0	63.1	57.8	60.5	51.4	51.0	52.0	55.4	62.4	67.8	59.7	95.5
6.3	69.3	64.4	58.5	61.6	53.1	53.3	53.6	57.2	65.1	71.3	62.1	98.3
8	73.2	67.1	67.4	64.1	59.3	61.2	64.3	65.1	68.7	73.4	65.0	104.3
10	73.2	67.1	64.3	65.7	58.7	56.8	63.5	62.6	68.6	72.8	64.1	104.5
12.5	73.2	67.6	63.7	64.5	59.0	61.8	63.7	64.4	69.0	73.8	64.5	103.2
16	73.4	69.9	67.3	65.5	58.6	66.9	73.0	73.3	76.8	78.3	69.8	105.6
20	72.4	69.0	67.3	66.2	61.9	59.7	60.7	65.7	70.8	75.6	64.4	105.5
25	77.9	75.3	70.7	70.2	64.2	65.8	73.5	73.9	76.6	80.1	74.5	104.9
32	98.6	97.5	91.0	92.6	80.1	88.1	93.9	93.2	92.4	98.0	97.9	112.3
40	87.1	85.8	80.1	79.2	70.8	76.5	81.8	81.3	81.3	86.3	86.0	103.6
50	80.6	77.0	75.4	71.0	67.5	68.9	70.6	72.7	75.2	78.6	71.8	99.4
63	100.0	94.4	92.0	88.9	75.1	78.1	89.4	94.9	96.2	96.9	92.3	113.0
80	88.5	83.9	82.3	77.2	70.3	71.1	78.3	83.7	85.8	87.2	80.3	101.9
100	98.3	95.5	95.5	82.2	85.4	77.8	80.3	85.2	94.2	100.4	86.1	107.5
125	97.2	95.1	91.1	89.5	85.3	84.7	85.9	90.7	94.1	96.0	90.2	101.2
160	95.5	94.2	94.1	82.9	86.5	80.9	84.3	88.6	93.0	94.1	85.6	100.3
200	92.6	92.7	91.9	88.2	82.0	82.3	87.9	88.3	92.1	93.7	85.4	101.6
250	92.4	91.9	89.0	85.4	82.1	82.7	83.9	88.6	90.8	93.2	84.6	101.3
320	93.0	91.7	90.0	81.9	83.0	81.0	83.3	88.4	91.1	92.1	88.0	102.6
400	92.7	91.8	90.4	87.1	79.1	78.0	84.9	88.1	90.0	91.4	85.7	99.6
500	90.7	89.9	89.1	82.2	81.5	78.6	79.8	86.7	89.1	90.2	83.7	98.2
630	89.2	88.0	86.7	82.4	76.9	75.7	80.5	85.6	87.4	89.4	82.7	98.3
800	88.6	87.8	85.6	80.6	77.1	78.4	80.5	84.8	88.1	89.3	83.0	99.7
1.0k	86.6	85.7	83.9	79.0	75.8	76.9	79.2	83.0	85.2	86.9	82.5	96.7
1.25k	87.6	86.4	84.6	79.8	76.2	76.3	79.0	82.9	84.8	86.7	81.7	95.1
1.6k	84.6	84.3	82.1	78.0	75.0	74.8	77.3	80.3	82.3	83.6	80.9	96.0
2.0k	83.6	82.3	80.9	77.5	74.8	74.5	75.1	79.4	81.1	82.3	82.2	96.7
2.5k	85.4	84.5	82.2	79.5	76.6	75.7	77.3	80.4	83.3	87.4	83.7	96.2
3.2k	83.5	83.8	84.9	84.3	81.2	82.3	83.6	86.6	85.9	83.8	90.1	105.0
4.0k	78.8	79.0	77.8	75.6	75.9	77.7	77.0	76.7	78.3	79.9	87.9	96.1
5.0k	76.7	77.5	75.4	73.2	69.6	69.8	71.6	74.1	76.7	78.6	78.6	96.8
6.3k	72.9	76.7	75.2	72.2	69.1	69.1	70.5	73.4	75.4	75.8	78.3	96.6
8.0k	72.0	73.7	72.8	70.8	66.6	67.0	68.8	70.5	72.1	74.6	78.7	93.8
10.0k	72.9	70.6	69.9	68.8	63.9	64.1	66.5	67.2	69.8	72.6	74.9	93.5
12.5k	75.0	70.1	68.5	67.1	60.5	62.2	65.3	64.3	70.6	72.3	72.7	91.6
16.0k	75.7	72.0	68.9	67.8	60.1	63.5	66.0	67.7	72.1	74.4	71.4	90.1
20.0k	75.7	72.7	69.4	68.7	60.5	64.0	65.7	68.3	71.5	74.7	69.7	88.4
PNLT	111.7	110.8	111.8	109.4	105.8	106.1	108.5	112.3	112.7	113.7	113.2	129.8
LA	98.0	97.1	95.7	91.9	88.8	88.8	90.9	94.6	96.5	98.0	96.2	110.5
SPL	106.7	104.6	102.6	98.0	94.0	93.9	98.3	101.1	103.5	106.3	101.9	119.2

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	80.1	71.4	65.8	58.4	49.2	64.6	66.3	66.4	72.0	80.6	57.6	102.3
6.3	82.6	73.6	67.3	58.8	54.3	66.4	68.6	67.3	74.1	80.2	58.5	103.9
8	82.9	75.2	71.6	67.2	63.8	66.4	67.2	67.8	76.6	81.4	63.2	110.4
10	83.4	75.7	70.2	66.4	61.9	67.4	71.2	69.2	78.7	82.3	62.2	109.4
12.5	82.4	75.2	71.3	67.9	63.3	66.8	71.3	71.4	78.6	83.0	65.5	108.2
16	86.2	83.2	80.2	75.7	68.0	75.8	81.0	81.3	85.0	86.8	81.1	113.0
20	84.7	77.4	73.5	68.9	64.2	67.2	72.7	73.5	80.7	84.5	71.7	112.9
25	85.1	80.2	75.0	69.7	67.0	68.3	73.4	75.5	80.8	85.3	77.8	110.5
32	102.5	101.6	96.1	87.5	88.7	90.0	93.7	94.2	92.4	99.3	101.4	116.7
40	91.8	90.0	85.1	77.4	78.3	78.4	81.6	82.8	83.9	89.2	89.1	110.5
50	87.1	83.2	80.9	72.4	75.1	72.0	71.9	74.4	79.4	84.8	75.8	108.1
63	91.3	87.6	85.6	84.8	86.8	74.1	81.7	87.7	91.5	97.4	87.4	110.5
80	85.3	82.3	81.3	75.8	75.3	69.9	73.9	79.7	83.1	87.5	78.0	104.6
100	96.5	93.7	93.3	80.0	82.1	78.6	81.8	86.6	94.3	99.4	85.7	105.6
125	95.7	94.1	89.4	87.0	83.9	84.2	86.4	91.5	93.9	94.6	88.2	103.2
160	93.4	92.0	92.3	81.9	85.3	80.8	83.7	88.1	91.4	91.8	84.4	102.8
200	91.9	91.3	90.1	87.4	80.3	81.6	86.9	87.6	90.7	93.0	84.8	102.2
250	91.7	90.8	88.5	84.5	81.0	81.6	83.4	89.0	91.3	92.6	84.5	101.8
320	91.8	90.7	88.3	80.9	82.1	81.7	84.0	89.3	91.8	92.4	87.3	103.8
400	91.0	90.1	88.3	85.6	78.1	77.1	85.6	89.5	91.2	91.6	85.9	100.6
500	89.2	88.2	87.1	80.6	80.4	80.1	80.2	88.1	89.8	90.8	84.6	99.0
630	87.9	85.9	85.2	81.3	76.4	76.4	81.4	86.0	87.4	88.1	82.9	98.2
800	87.8	86.4	84.4	80.4	77.2	79.6	81.1	85.0	87.5	89.1	83.7	99.0
1.0k	86.2	85.0	83.4	79.2	76.7	77.7	80.2	83.2	85.0	86.9	83.6	96.3
1.25k	87.8	85.7	83.6	79.3	76.4	77.2	80.0	83.1	84.8	86.9	83.7	95.6
1.6k	85.7	83.9	81.8	78.0	75.8	75.6	78.1	80.8	82.4	84.0	83.0	96.9
2.0k	85.9	82.6	81.1	77.7	75.6	75.1	75.6	80.0	80.8	82.7	83.8	97.4
2.5k	86.9	84.8	82.3	80.2	77.8	76.1	78.0	81.1	83.7	86.8	84.7	97.1
3.2k	85.0	84.9	85.2	84.5	82.4	83.5	84.2	86.4	84.9	84.3	90.8	103.8
4.0k	81.0	80.5	79.6	77.2	77.6	78.4	76.5	77.6	79.2	81.2	88.6	96.7
5.0k	79.0	79.2	77.1	75.2	72.5	71.1	73.0	75.3	78.5	80.2	79.9	97.0
6.3k	75.7	79.0	77.3	74.4	72.0	70.7	72.1	75.1	77.2	77.4	80.3	98.2
8.0k	74.3	75.9	75.4	73.3	69.5	68.6	72.5	72.5	73.9	76.1	80.1	95.9
10.0k	74.8	72.6	72.3	71.1	66.7	65.5	67.8	68.5	71.3	74.0	77.7	96.0
12.5k	77.2	71.2	70.6	67.9	62.8	62.1	65.7	66.6	71.5	73.3	75.2	94.6
16.0k	77.1	72.7	70.6	65.8	61.1	63.0	66.4	67.6	72.5	75.8	74.0	93.8
20.0k	76.6	72.8	69.9	63.9	61.7	64.0	66.8	68.2	71.7	74.8	72.8	92.8
PNLT	112.0	110.8	111.3	109.1	106.6	107.1	108.9	112.1	111.8	113.3	113.8	129.2
LA	97.9	96.5	95.0	91.7	89.3	89.7	91.5	95.0	96.6	98.0	97.1	110.6
SPL	106.5	105.0	101.9	96.3	95.2	94.7	97.9	100.8	103.0	106.3	103.6	122.5

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.1	77.7	69.0	68.4	56.8	62.5	67.3	71.4	79.8	84.0	58.5	108.3
6.3	86.8	77.1	70.4	69.5	59.7	62.6	69.7	72.1	79.1	83.5	56.2	109.6
8	86.8	77.8	72.8	72.9	64.4	66.8	71.4	75.4	81.2	84.4	63.4	115.2
10	87.6	78.4	71.8	72.7	63.9	65.1	71.3	75.9	80.7	86.0	62.8	115.3
12.5	88.5	78.8	72.9	73.2	65.1	66.6	72.8	75.4	82.8	86.1	67.7	116.3
16	90.1	86.5	82.6	78.8	70.6	77.7	83.7	83.3	88.3	89.1	84.4	118.2
20	88.7	81.6	75.6	74.1	66.2	68.6	75.8	77.5	83.2	87.7	74.8	117.2
25	89.9	82.7	77.6	73.8	69.4	69.6	74.8	76.7	83.8	88.8	78.7	117.3
32	104.9	104.2	100.5	91.2	91.8	91.8	90.3	94.3	93.7	100.3	102.6	119.3
40	94.2	92.4	88.9	80.1	80.5	80.6	82.6	83.4	85.7	91.2	90.8	114.4
50	89.6	84.5	82.6	72.7	76.6	75.4	73.3	76.1	81.6	87.7	78.8	111.0
63	94.8	88.4	87.5	85.7	88.6	75.5	81.9	87.4	90.9	96.6	86.8	114.5
80	87.1	83.6	82.2	76.4	77.2	72.0	75.1	81.3	84.2	87.9	78.5	108.6
100	94.9	93.7	93.6	80.3	82.2	78.6	82.0	88.0	93.8	97.8	85.5	107.8
125	96.1	93.6	88.5	85.6	81.3	84.1	86.6	91.4	93.8	94.8	89.1	105.2
160	93.8	91.4	91.4	82.7	84.6	82.9	83.7	90.3	93.7	94.0	85.5	104.5
200	91.7	90.8	91.4	88.1	81.4	84.4	88.6	89.3	92.2	93.3	86.0	103.6
250	92.2	91.1	89.2	84.7	81.4	83.5	85.3	90.1	93.0	94.5	86.1	102.8
320	92.7	91.0	88.8	81.4	82.0	83.5	86.4	91.1	93.8	94.3	88.3	104.6
400	91.4	90.2	88.9	85.8	78.2	80.1	88.2	91.1	93.3	93.6	87.3	101.9
500	89.7	88.8	87.9	81.2	81.2	83.0	82.6	89.9	92.5	92.6	86.3	102.1
630	89.1	87.0	86.4	82.0	77.3	78.8	83.7	87.6	89.3	90.5	85.0	99.8
800	89.4	87.7	86.4	82.1	79.1	81.3	83.3	86.4	89.9	90.7	85.7	100.6
1.0k	88.3	86.4	85.2	81.2	78.3	80.4	82.7	84.7	86.7	88.3	86.4	98.0
1.25k	89.1	86.6	84.8	80.4	77.5	79.4	81.8	84.3	86.3	88.2	85.7	97.6
1.6k	87.8	85.0	83.5	79.3	76.7	77.8	79.8	82.2	84.0	85.3	85.2	97.8
2.0k	86.4	83.6	82.6	79.1	76.3	76.9	77.4	81.3	82.3	84.0	85.1	98.2
2.5k	86.9	85.7	83.3	81.1	78.1	77.9	78.4	82.1	84.8	86.9	85.5	98.1
3.2k	86.0	85.5	86.2	85.3	82.3	84.8	84.9	86.3	85.8	84.9	91.4	104.3
4.0k	81.9	81.6	82.8	77.8	78.0	79.1	77.5	78.6	80.1	82.1	87.9	97.4
5.0k	80.0	80.7	78.7	76.5	73.5	72.9	74.7	76.6	79.7	81.1	81.1	97.9
6.3k	76.8	80.2	78.7	75.8	73.8	72.4	73.7	76.2	78.5	78.2	81.5	98.6
8.0k	75.6	77.8	76.9	74.8	70.6	69.9	72.0	73.8	75.8	77.8	81.2	97.2
10.0k	75.9	75.4	73.3	72.4	67.6	66.6	68.9	69.8	71.8	75.8	78.5	97.1
12.5k	78.2	75.6	70.9	69.4	63.3	62.8	66.3	67.5	72.0	73.8	76.3	95.7
16.0k	77.9	77.9	71.8	68.5	61.3	63.1	64.9	68.8	73.3	76.6	74.9	95.8
20.0k	76.9	79.1	71.9	68.9	62.2	64.2	67.3	68.8	73.8	75.5	74.8	93.8
PNLT	112.6	111.5	112.3	109.7	106.8	108.8	110.8	112.5	113.8	113.8	114.9	130.1
LA	98.8	97.3	96.1	92.6	89.9	91.5	93.2	96.2	98.2	99.3	98.1	111.6
SPL	108.2	106.6	103.9	97.5	96.4	96.8	99.1	101.9	104.3	107.8	104.7	126.9

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	89.3	82.0	73.0	74.6	66.0	66.1	71.3	70.6	78.1	85.9	55.1	107.6
6.3	89.9	81.7	74.5	75.4	65.5	67.7	72.8	72.6	79.1	85.8	58.5	110.1
8	91.8	82.2	76.4	75.7	69.3	68.1	73.7	73.6	80.8	88.1	64.7	116.3
10	91.4	84.0	77.3	77.1	67.0	68.0	74.8	74.1	81.9	88.5	62.8	115.1
12.5	91.2	84.8	77.7	75.8	68.0	67.9	75.3	76.4	83.3	87.6	69.0	114.6
16	92.9	88.2	85.6	82.4	75.1	78.8	84.8	84.5	89.2	90.0	85.7	118.2
20	90.7	84.8	79.2	76.6	68.3	72.3	76.0	78.0	84.6	88.6	75.8	116.2
25	91.9	85.9	81.2	76.9	70.4	72.5	76.5	77.9	85.3	89.3	79.4	116.4
32	106.1	105.4	102.2	94.3	92.8	92.5	93.6	94.3	96.0	101.1	102.8	119.8
40	96.0	93.7	90.4	82.9	81.2	81.6	81.9	83.5	87.5	91.7	90.8	114.2
50	93.2	87.9	85.3	74.9	79.2	76.3	75.0	78.9	84.3	90.4	81.7	112.3
63	96.1	90.8	90.0	87.9	90.2	77.5	81.2	87.7	91.6	97.6	85.9	116.1
80	90.3	85.9	84.0	78.5	78.6	75.4	76.2	83.8	86.2	89.5	78.7	108.6
100	94.3	93.1	92.2	79.3	80.8	77.1	81.5	88.0	93.1	96.2	86.7	106.1
125	95.4	92.8	88.4	84.8	80.9	83.4	85.9	90.8	94.0	95.3	85.3	104.8
160	94.3	92.2	91.4	84.7	83.7	82.3	83.2	89.8	93.2	93.9	85.6	104.8
200	94.9	93.5	91.5	87.8	82.2	84.5	89.1	89.6	92.3	93.6	86.5	103.5
250	95.9	94.9	92.2	88.0	84.1	83.5	85.3	90.6	93.3	95.2	87.1	102.7
320	96.0	95.0	93.1	84.7	85.2	84.1	85.6	90.7	93.4	94.8	88.2	105.1
400	94.5	93.7	92.3	90.0	80.2	79.6	87.2	91.1	93.0	94.2	87.5	102.6
500	92.8	91.3	90.7	83.6	82.9	82.7	82.0	89.5	92.2	93.2	87.2	101.4
630	90.9	89.1	88.2	84.3	78.2	79.5	83.6	87.9	88.9	90.2	86.8	100.3
800	90.9	89.5	86.1	83.8	80.3	82.3	84.2	87.0	89.1	90.3	87.1	101.9
1.0k	90.0	89.5	88.0	83.9	80.7	81.6	83.8	86.2	87.6	88.6	88.3	99.4
1.25k	89.4	88.2	87.1	83.1	80.2	81.0	83.5	85.8	87.0	88.2	89.2	98.6
1.6k	87.7	86.2	84.8	82.8	77.5	78.0	80.5	83.5	84.6	85.7	86.4	99.0
2.0k	86.9	84.5	83.3	80.3	77.0	77.3	78.3	82.4	82.9	84.3	85.6	98.8
2.5k	86.8	86.2	83.8	81.9	78.9	78.1	80.0	82.9	85.4	86.8	86.1	98.9
3.2k	86.6	86.0	86.0	85.0	81.8	84.1	84.5	85.9	84.6	85.7	91.9	104.0
4.0k	82.9	82.7	81.5	78.4	76.9	76.3	76.8	79.7	80.8	83.1	84.5	98.4
5.0k	81.1	81.9	79.6	77.6	74.1	73.6	75.9	78.4	81.4	82.4	82.2	99.0
6.3k	78.0	81.6	79.5	76.6	73.7	73.1	74.7	78.1	80.0	79.6	82.6	99.6
8.0k	76.7	79.3	77.7	75.7	71.4	70.3	72.8	75.3	76.3	79.0	81.5	98.9
10.0k	76.9	76.6	74.3	73.0	68.5	67.2	69.7	70.7	72.8	77.8	79.2	99.1
12.5k	79.3	75.9	71.8	69.8	64.3	63.3	66.7	67.8	73.1	77.3	76.5	98.4
16.0k	78.8	78.0	71.6	68.5	61.6	63.6	67.0	68.1	74.1	80.1	74.7	98.4
20.0k	77.2	78.9	72.5	69.3	62.3	64.7	67.7	68.7	72.9	79.5	73.5	97.7
PNLT	113.8	112.9	112.9	110.4	107.0	108.7	109.9	112.3	111.8	113.3	116.0	130.1
LA	100.3	99.3	97.9	94.3	90.8	91.5	93.5	96.7	98.3	99.6	90.8	112.3
SPL	109.7	108.2	105.6	99.7	97.6	96.7	98.9	102.0	104.7	107.5	105.0	127.0

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	90.6	82.6	70.0	69.4	56.7	71.8	74.4	76.1	82.9	88.4	58.7	113.4
6.3	92.2	81.5	70.7	72.7	61.2	73.2	76.8	76.0	83.6	88.3	62.1	115.5
8	94.0	83.5	73.7	73.7	66.1	74.7	78.1	77.6	85.5	89.6	68.1	120.0
10	93.1	84.3	75.1	74.2	65.8	73.8	78.7	78.7	87.3	89.4	66.4	119.5
12.5	93.2	84.3	75.9	74.2	67.5	73.8	78.0	79.4	86.9	89.4	70.6	122.0
16	92.6	88.0	86.2	83.2	76.2	81.6	87.3	86.4	91.3	91.9	88.0	122.4
20	93.4	84.9	78.9	76.4	68.8	73.4	79.8	80.5	88.1	91.1	77.5	122.1
25	94.3	86.4	81.3	76.3	71.7	73.4	79.3	80.7	89.2	91.5	80.0	121.3
32	106.7	106.1	103.1	95.7	94.1	92.3	94.8	96.9	98.6	103.0	103.3	122.4
40	96.5	94.2	91.1	83.9	82.2	81.0	83.4	85.9	92.1	94.0	91.1	119.2
50	93.8	88.6	86.2	76.9	79.9	77.3	77.9	81.3	88.8	93.1	83.1	116.1
63	99.1	92.4	93.0	88.5	91.6	80.0	84.1	91.2	92.6	96.2	87.4	117.6
80	90.8	85.8	84.7	78.1	79.6	78.6	79.9	87.1	89.7	90.8	80.1	112.2
100	94.6	92.4	91.8	79.9	80.6	80.1	84.3	89.8	94.4	96.9	89.6	110.0
125	95.7	93.7	89.1	86.9	82.8	86.1	88.0	92.3	95.1	95.5	87.0	108.4
160	94.3	91.7	90.8	84.4	84.0	85.7	85.4	91.9	94.0	94.0	88.0	107.9
200	93.7	92.0	91.4	88.2	82.6	86.6	92.1	91.7	94.8	96.0	90.0	106.8
250	94.9	93.6	91.4	87.6	84.0	86.3	88.6	92.8	95.8	96.5	90.1	105.1
320	95.0	93.7	92.4	84.7	84.7	87.0	89.1	93.6	96.6	96.1	91.4	106.2
400	93.6	92.7	91.7	89.2	80.9	82.3	91.5	93.6	95.9	95.3	90.8	104.4
500	92.0	90.3	90.3	83.9	84.3	86.1	85.7	92.2	95.0	94.4	89.7	103.8
630	91.1	89.0	89.0	84.7	79.8	82.1	86.9	90.3	91.8	92.0	89.0	102.1
800	91.7	90.0	89.2	85.1	82.3	84.0	86.3	89.3	91.2	92.1	89.8	103.3
1.0k	91.8	91.1	89.8	85.2	82.3	83.5	86.2	88.7	90.2	90.8	90.9	101.6
1.25k	90.5	89.8	89.9	85.8	83.7	83.1	86.7	89.1	89.8	90.2	92.4	99.9
1.6k	88.8	87.8	87.1	83.2	80.1	82.7	83.7	86.6	87.2	87.2	89.8	99.6
2.0k	87.8	86.0	85.7	83.1	79.7	80.3	81.9	85.3	85.3	84.9	88.3	99.8
2.5k	87.5	86.6	85.9	84.1	81.3	79.9	82.3	84.7	86.0	86.9	88.7	99.9
3.2k	87.6	86.6	87.1	86.1	83.1	84.4	85.7	87.5	86.7	85.8	92.6	105.1
4.0k	84.4	83.5	83.5	79.8	78.3	78.8	79.0	81.8	82.2	83.2	88.2	99.3
5.0k	82.7	82.6	81.5	79.0	75.7	75.2	77.3	80.3	82.5	82.7	83.9	100.1
6.3k	79.6	82.1	81.4	77.7	75.1	74.3	75.7	79.7	81.7	80.4	83.9	100.7
8.0k	79.0	82.0	79.4	76.9	73.1	71.8	74.0	77.6	78.6	79.8	83.3	100.6
10.0k	80.0	77.2	75.5	74.2	70.4	68.6	72.8	74.1	74.6	78.2	80.9	101.2
12.5k	82.4	76.5	72.7	70.7	67.5	64.3	67.4	71.9	74.7	78.0	78.0	101.0
16.0k	82.9	78.3	71.8	68.6	67.1	63.9	66.9	71.6	75.5	80.5	75.9	101.8
20.0k	82.3	78.6	72.7	69.3	67.7	64.8	67.7	71.3	74.2	79.7	74.0	101.5
PNLT	114.5	113.2	112.8	111.3	108.4	109.5	111.7	114.3	113.9	114.0	116.9	131.6
LA	100.8	99.7	99.1	95.5	92.6	93.5	96.2	99.2	100.8	100.9	101.2	113.8
SPL	110.4	108.5	106.2	100.6	98.6	98.3	101.4	104.4	107.0	108.8	106.3	131.2

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.8

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	92.4	86.6	75.9	75.7	68.8	69.9	70.6	69.3	79.8	88.2	60.3	108.2
6.3	93.5	87.3	78.3	77.0	70.5	70.2	71.5	70.8	80.0	89.8	63.3	111.3
8	93.2	85.8	80.3	78.0	70.6	73.3	73.0	73.4	81.0	91.7	72.1	116.0
10	94.4	87.1	80.7	79.9	72.8	71.5	75.9	74.6	82.3	91.2	69.7	115.2
12.5	94.3	87.0	80.4	79.8	72.1	71.7	75.3	75.1	82.5	90.5	71.0	116.2
16	94.5	90.7	87.2	84.9	77.0	83.3	80.4	88.8	92.7	94.0	89.7	119.0
20	94.2	87.9	81.6	80.0	72.4	75.6	79.9	79.8	86.3	92.0	79.1	118.4
25	95.4	89.6	83.7	79.8	73.3	73.4	77.0	77.8	85.8	91.8	80.8	118.9
32	108.5	107.8	105.2	97.4	95.1	93.5	93.7	95.0	98.7	103.9	104.2	121.8
40	98.5	96.3	93.3	86.0	83.3	82.2	82.4	84.5	89.2	94.7	92.4	117.2
50	95.3	90.9	87.8	77.2	82.9	79.6	76.9	80.9	85.6	92.3	83.2	115.2
63	101.6	95.9	95.7	91.1	92.8	83.4	87.0	92.8	94.5	96.6	87.6	118.4
80	93.2	87.8	86.1	80.4	80.9	79.2	81.5	88.3	90.7	92.4	80.8	112.0
100	96.7	94.9	93.2	81.7	82.2	80.8	86.7	91.8	97.0	99.2	90.7	110.3
125	96.2	94.7	90.2	87.6	82.5	84.7	88.0	92.1	95.3	96.9	86.2	109.0
160	95.8	93.9	92.3	86.1	84.9	84.7	85.0	91.6	93.5	94.5	87.4	108.0
200	96.0	95.5	93.8	91.3	84.1	85.8	90.2	90.5	93.7	96.2	89.1	107.4
250	97.0	95.8	93.7	90.7	86.3	86.1	87.5	92.4	95.1	96.8	89.3	105.9
320	96.9	96.0	94.2	87.2	86.6	85.2	88.1	92.8	95.5	96.4	91.2	106.8
400	95.4	95.4	94.3	92.5	82.5	82.5	90.3	92.9	94.9	95.2	90.8	104.8
500	94.0	92.8	92.6	86.8	86.4	86.1	85.3	91.7	94.6	95.0	90.6	104.4
630	92.5	90.9	90.4	87.6	81.6	83.2	87.4	90.5	91.9	92.8	90.7	102.6
800	92.8	91.7	90.2	87.1	83.3	85.2	87.4	90.0	92.4	93.9	91.3	103.7
1.0k	93.1	92.5	90.7	86.7	83.2	84.8	87.0	89.4	91.2	91.6	91.9	103.1
1.25k	92.9	92.2	91.8	88.1	85.0	85.0	88.2	90.8	91.4	91.9	93.4	100.8
1.6k	90.3	89.6	88.4	85.8	81.8	82.4	86.3	88.4	89.3	89.2	90.4	100.5
2.0k	88.6	87.8	86.7	85.6	81.4	81.9	83.6	87.1	87.4	87.9	88.7	100.4
2.5k	88.1	87.6	86.6	85.8	82.9	81.9	83.5	86.0	87.4	87.5	89.6	100.3
3.2k	88.7	87.5	87.0	87.2	83.9	85.3	85.9	87.8	87.4	87.8	92.3	105.3
4.0k	85.4	84.9	83.8	81.2	78.4	79.5	79.5	82.8	83.8	85.1	88.0	99.6
5.0k	83.8	83.8	82.0	80.6	76.5	76.6	78.4	81.4	83.5	84.3	84.8	100.4
6.3k	80.7	83.2	81.7	79.2	75.8	75.6	76.8	80.5	82.3	81.4	84.6	100.9
8.0k	79.9	81.0	80.2	78.2	73.7	73.5	75.2	78.3	78.9	80.8	84.1	100.9
10.0k	80.7	78.1	77.3	75.5	71.1	71.0	71.8	74.0	75.2	79.0	81.6	101.5
12.5k	83.2	77.2	76.0	72.1	67.6	68.4	68.3	71.4	75.6	78.1	79.0	101.4
16.0k	83.6	79.1	76.9	69.4	67.0	69.3	67.3	71.1	76.6	81.3	76.7	102.2
20.0k	82.7	78.6	77.8	69.3	67.8	69.7	67.7	70.6	74.4	79.9	74.7	102.3
PNLT	115.9	114.8	113.7	112.9	109.7	110.3	111.9	114.5	114.5	115.3	116.9	132.0
LA	102.3	101.5	100.4	97.7	94.0	94.5	96.9	99.8	101.3	101.9	101.8	114.3
SPL	112.1	110.4	108.2	102.8	100.0	98.9	101.2	104.3	107.1	109.7	107.0	128.8

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 1.9

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	91.6	83.4	75.8	71.8	63.2	66.8	71.1	71.8	82.1	91.7	63.2	111.0
6.3	93.6	85.3	76.8	73.2	64.8	68.9	72.9	74.1	83.1	91.8	63.7	113.2
8	94.1	86.3	79.6	76.1	70.7	73.2	76.3	76.1	84.2	93.2	72.1	118.3
10	94.4	87.4	78.3	77.1	68.9	71.6	74.1	75.6	85.3	93.1	68.8	117.2
12.5	94.7	85.8	78.3	77.0	72.4	71.8	76.5	76.2	84.7	92.9	71.9	117.8
16	94.7	92.3	87.9	84.1	76.6	84.9	90.7	92.3	94.2	96.1	91.0	119.5
20	94.9	87.4	81.1	77.9	72.4	75.5	81.0	80.6	86.6	92.5	80.1	122.5
25	94.5	88.2	84.0	78.8	73.3	73.7	77.3	78.8	87.0	93.2	81.3	123.9
32	109.3	108.7	126.2	98.4	96.2	94.4	92.8	97.0	102.0	126.2	105.1	123.8
40	98.8	97.1	94.3	86.4	84.3	82.8	81.6	85.8	91.6	96.3	93.2	120.3
50	95.8	91.6	88.7	78.8	83.8	79.2	77.2	80.3	85.7	93.2	84.8	119.2
63	123.2	96.5	95.6	90.5	93.5	82.8	89.1	94.6	95.3	96.2	87.2	120.4
80	93.4	87.9	86.3	80.3	81.4	77.6	82.7	88.8	91.3	93.4	82.5	114.4
100	96.0	94.3	92.8	83.7	82.6	82.1	85.7	90.6	96.2	98.7	89.8	112.5
125	96.1	93.9	89.4	86.8	82.5	85.7	88.1	91.7	95.4	97.2	87.0	110.7
160	95.2	92.6	92.8	83.7	84.3	85.4	84.7	92.2	95.1	95.6	87.5	109.6
200	95.3	93.7	91.8	88.2	83.3	85.6	90.2	90.4	93.1	94.6	88.2	108.2
250	96.3	94.6	91.4	87.8	85.2	85.3	86.7	91.1	94.2	95.8	89.8	106.4
320	97.2	95.6	93.3	85.5	85.9	84.6	86.9	92.1	95.3	96.2	91.1	107.3
400	96.3	95.3	93.6	91.1	82.6	81.2	89.9	92.4	95.1	96.1	91.5	105.4
500	95.2	93.8	93.8	86.4	87.8	85.7	85.3	91.4	95.1	95.7	91.6	105.1
630	94.8	92.3	91.6	87.4	82.4	83.3	87.7	91.8	92.5	93.9	91.3	103.2
800	94.8	93.4	91.5	87.4	84.3	85.7	87.5	90.5	93.1	94.3	92.1	104.3
1.0k	95.5	94.0	91.8	87.1	84.3	85.1	87.2	89.9	92.8	93.8	92.7	104.1
1.25k	96.2	94.9	93.9	88.9	85.6	85.2	88.4	91.3	92.6	93.8	93.3	102.1
1.6k	92.9	92.5	91.6	88.2	84.8	84.5	88.7	90.1	92.1	92.0	91.9	101.3
2.0k	90.1	89.8	89.1	87.3	84.1	85.1	87.8	88.9	90.2	88.8	91.0	101.1
2.5k	89.5	89.3	87.9	86.6	84.7	84.3	84.2	86.9	88.7	88.8	92.7	100.9
3.2k	90.1	89.1	88.7	87.5	84.9	86.2	86.8	88.5	88.9	89.5	93.9	105.8
4.0k	86.5	86.4	85.5	81.9	79.6	80.2	81.2	83.9	85.6	86.5	89.4	103.1
5.0k	84.9	85.4	83.2	81.2	78.0	77.7	79.8	82.3	85.1	85.5	86.7	101.2
6.3k	81.7	84.6	82.8	79.8	76.9	76.3	77.9	81.3	83.6	82.5	86.0	102.0
8.0k	80.8	82.3	81.2	79.2	74.9	74.2	74.2	79.1	80.0	81.9	85.6	102.0
10.0k	81.6	79.3	78.2	77.2	72.1	71.3	72.6	75.4	76.7	80.1	82.8	102.5
12.5k	84.1	78.3	76.5	74.7	68.4	68.3	68.8	73.2	76.8	79.0	80.1	102.5
16.0k	84.3	79.9	77.1	74.5	67.0	69.1	67.4	72.1	77.5	82.3	77.5	103.2
20.0k	83.0	79.0	77.5	75.0	68.0	70.0	67.7	72.0	74.8	80.7	75.2	102.6
PNLT	117.1	115.9	114.7	112.8	110.7	110.8	112.4	114.9	115.6	116.4	117.0	132.9
LA	104.1	103.2	101.7	98.2	95.2	95.4	98.0	100.4	102.4	103.1	103.0	115.1
SPL	112.8	111.0	108.8	102.7	100.8	99.5	101.5	104.8	108.1	110.8	107.9	130.7

RPM = 497., Collective = 1.5 deg, Blade Pressure Ratio = 2.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	91.7	86.8	74.4	73.5	58.2	66.1	71.6	75.0	86.8	92.6	59.3	110.0
6.3	93.9	85.6	77.5	75.7	60.1	66.6	72.9	77.4	85.2	94.7	62.8	114.7
8	94.3	85.7	79.3	78.1	72.0	72.7	76.1	78.7	86.6	94.6	75.4	123.7
10	94.0	88.3	78.3	77.5	68.0	68.3	76.5	79.7	88.3	94.8	70.8	118.2
12.5	93.7	87.0	78.7	78.2	69.8	71.3	74.8	79.6	88.7	94.3	72.1	119.8
16	95.5	90.4	86.2	83.1	75.1	85.4	91.4	91.5	95.7	97.3	91.2	122.9
20	95.0	87.1	80.1	77.4	69.1	75.1	82.7	82.2	89.9	95.6	80.3	121.4
25	95.0	90.0	84.4	79.4	73.7	72.5	77.8	80.5	89.1	95.1	81.7	122.9
32	109.5	109.4	106.4	98.6	96.9	94.1	94.2	98.0	101.0	105.3	105.2	125.1
40	98.6	97.5	94.1	86.3	84.6	82.4	82.4	86.1	91.6	96.6	92.9	121.5
50	94.3	90.2	87.2	77.8	82.7	79.8	75.6	81.1	86.4	93.6	80.9	119.4
63	104.1	98.5	98.2	92.5	93.7	81.8	88.1	94.4	94.1	95.5	85.9	120.6
80	93.9	88.7	87.6	81.4	81.1	76.1	81.9	88.4	90.6	93.2	82.8	115.7
100	93.5	93.8	92.1	82.6	82.0	80.6	87.3	93.1	97.8	99.7	91.0	114.1
125	94.6	92.7	87.9	85.1	81.1	84.8	87.6	91.9	95.2	97.2	85.8	111.8
160	93.3	90.1	88.4	82.0	82.4	83.3	83.4	90.3	93.5	95.7	87.4	110.2
200	92.9	91.2	90.0	86.8	81.7	85.0	90.3	90.8	93.1	94.6	87.6	109.0
250	92.8	91.6	89.0	85.7	82.8	84.4	86.2	90.9	93.2	95.7	87.5	106.5
320	94.3	92.9	90.8	83.7	83.8	84.4	87.2	92.1	94.9	95.7	89.6	107.0
400	94.1	93.0	91.6	89.0	88.8	88.9	89.7	92.6	94.3	95.3	90.2	105.2
500	94.1	92.2	91.4	85.2	85.0	85.7	85.3	92.3	95.1	95.7	91.2	105.0
630	94.3	92.6	91.3	87.1	81.8	83.6	88.0	91.5	92.6	94.4	91.7	103.9
800	95.6	94.3	92.6	88.4	84.0	86.0	89.1	91.4	93.5	95.0	93.5	106.0
1.0k	97.3	95.9	93.7	88.9	85.5	87.2	80.6	91.9	93.3	94.0	95.1	105.9
1.25k	98.1	97.2	96.2	91.7	87.5	88.0	91.7	94.2	94.2	95.2	95.5	104.5
1.6k	94.2	94.5	94.2	91.4	87.2	88.3	93.5	94.1	95.5	94.8	93.8	102.3
2.0k	91.0	91.3	92.9	90.4	86.1	89.5	92.6	94.0	94.1	92.8	93.3	101.8
2.5k	90.5	90.0	89.2	88.6	85.5	88.0	92.5	90.2	92.5	89.9	95.7	101.8
3.2k	90.9	90.2	89.5	88.8	85.5	88.1	89.2	90.3	92.1	90.9	95.6	100.6
4.0k	87.3	87.3	86.3	83.5	80.6	82.3	83.9	86.3	87.1	87.6	90.1	100.7
5.0k	85.7	86.0	84.1	82.3	78.6	80.0	82.6	83.9	86.4	86.3	88.8	101.5
6.3k	82.2	85.1	83.4	82.6	77.4	78.1	82.1	82.4	84.5	83.1	87.6	102.6
8.0k	81.3	82.7	82.0	80.2	75.2	75.5	78.1	80.0	81.4	82.6	86.9	102.6
10.0k	82.1	79.6	78.7	77.8	72.4	72.5	74.5	75.9	77.7	80.9	84.5	103.3
12.5k	84.7	78.6	76.8	74.9	69.8	69.2	71.0	73.8	78.1	79.9	81.6	103.2
16.0k	84.8	80.4	77.2	73.2	66.8	69.4	69.1	73.9	79.1	82.9	78.7	103.4
20.0k	83.1	79.1	77.4	72.3	67.2	69.8	69.2	73.6	76.4	80.8	75.9	102.4
PNLT	117.3	116.4	115.2	113.6	110.8	112.4	114.6	115.8	116.9	117.4	118.3	133.6
LA	104.9	104.1	102.9	99.9	96.1	98.0	101.1	102.8	103.9	104.1	104.8	116.0
SPL	112.9	111.5	109.8	103.2	101.1	100.3	103.1	106.0	108.4	111.1	108.4	132.2

RPM = 497.1 Collective = 4.5 deg, Blade Pressure Ratio = 1.0

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	75.5	64.5	62.4	61.7	48.8	49.1	48.0	50.5	64.1	71.9	53.2	85.1
6.3	77.8	68.2	63.8	63.4	52.3	50.8	51.2	53.5	66.3	74.4	55.2	87.5
8	78.2	68.9	66.0	64.8	53.2	53.0	54.4	56.7	67.9	75.3	58.5	89.7
10	78.6	70.9	67.1	67.2	57.8	56.5	63.6	61.2	69.5	76.5	58.3	90.0
12.5	79.1	71.8	67.3	66.1	60.3	61.8	64.4	63.9	69.9	76.9	61.5	89.6
16	79.6	71.8	66.9	65.6	58.2	59.5	63.9	64.1	70.9	75.9	63.7	92.7
20	79.4	71.9	69.1	67.7	61.5	56.0	60.1	60.0	70.0	76.6	57.6	90.2
25	81.5	77.0	73.8	71.2	63.9	63.5	71.1	70.7	73.6	78.6	70.0	92.1
32	100.6	100.1	96.5	93.4	84.4	85.5	94.5	94.3	95.6	97.3	93.8	112.3
40	89.1	88.3	84.6	81.9	73.2	74.3	82.4	82.3	83.6	85.8	82.1	100.5
50	80.5	76.6	75.0	71.1	65.2	65.5	69.8	71.3	73.2	76.5	70.4	93.0
63	101.1	94.8	92.2	89.0	71.0	77.4	89.9	94.7	95.7	95.0	93.1	114.0
80	89.0	83.5	81.6	77.1	68.3	69.1	78.0	83.0	84.5	85.6	80.7	101.5
100	98.3	95.4	94.8	81.3	84.1	77.4	81.6	86.9	95.8	101.1	86.4	107.1
125	98.1	96.4	91.6	90.8	86.1	83.8	84.4	89.6	93.7	95.3	91.3	100.8
160	95.2	93.9	93.5	83.0	86.5	81.3	83.2	88.3	92.0	91.8	86.2	98.1
200	91.7	92.2	91.2	87.9	80.4	82.2	86.3	86.7	89.9	91.3	84.7	99.0
250	91.1	90.4	87.7	83.9	81.3	81.6	83.2	87.1	89.4	91.4	84.1	100.3
320	92.3	90.2	88.5	81.9	83.3	81.5	82.9	87.1	90.3	90.6	87.2	103.3
400	91.9	90.6	89.1	87.0	79.5	77.5	84.2	87.2	89.1	90.3	85.4	99.4
500	90.6	89.1	88.0	81.5	81.1	78.7	79.0	85.5	87.8	89.4	83.2	97.9
630	89.3	87.4	86.3	82.5	75.4	75.2	79.5	84.4	86.5	88.2	81.7	97.2
800	88.9	86.8	84.7	80.4	76.7	78.1	82.1	84.1	87.7	88.5	82.4	98.8
1.0k	86.3	84.9	82.8	78.6	75.5	76.5	79.9	82.0	84.3	86.0	82.3	96.1
1.25k	87.2	85.5	83.5	79.6	76.1	76.8	79.5	82.4	84.2	85.9	82.3	95.2
1.6k	84.5	83.6	81.8	78.1	75.4	75.7	77.7	80.5	82.0	83.1	82.4	96.0
2.0k	85.7	82.4	81.4	77.8	75.6	76.3	76.3	80.2	81.4	82.9	83.3	96.3
2.5k	85.1	84.8	82.9	79.9	77.2	76.6	77.8	80.9	84.3	84.9	84.2	95.5
3.2k	83.4	82.6	83.4	83.9	81.3	82.6	83.4	84.6	84.1	83.3	90.3	104.5
4.0k	78.1	77.2	76.6	73.8	72.8	76.1	78.3	75.7	77.5	79.5	86.8	95.7
5.0k	74.6	75.9	73.8	71.5	67.9	68.8	70.8	73.0	76.5	78.0	77.5	96.0
6.3k	70.8	73.3	73.0	70.0	67.5	68.6	69.8	72.5	73.9	74.7	78.2	96.4
8.0k	69.8	72.1	69.9	67.3	63.1	65.4	66.8	68.0	69.4	74.8	77.4	92.2
10.0k	71.1	68.4	68.5	66.3	60.5	63.0	65.2	65.2	68.3	75.0	73.9	92.2
12.5k	72.9	69.0	68.3	66.0	59.3	61.9	65.1	64.9	69.4	74.9	71.4	90.2
16.0k	74.8	71.2	69.1	67.3	60.4	63.1	66.7	66.5	70.6	75.0	70.6	88.4
20.0k	75.5	72.1	68.8	67.4	61.3	63.5	66.9	67.0	69.9	73.4	69.4	86.7
PNLT	111.4	110.2	110.3	109.1	105.9	106.3	108.4	110.5	109.9	110.9	113.4	129.3
LA	97.9	96.4	94.9	91.6	88.6	88.9	92.6	93.6	95.8	97.0	96.1	110.8
SPL	107.4	105.2	102.9	98.7	94.1	93.1	98.2	100.8	103.5	105.6	100.7	118.2

RPM = 497., Collective = 4 Blade Pressure Ratio = 1.1

Hz / Microphone	1	2	3	4	5	6	7	8	9	10	11	12
5	79.3	69.1	63.4	57.5	47.2	50.0	53.9	51.3	56.5	68.5	51.2	81.8
6.3	80.8	70.9	63.5	59.3	50.8	53.5	54.1	54.5	59.4	70.5	52.9	85.4
8	81.7	72.5	69.6	67.1	61.1	61.7	64.9	65.5	67.2	74.3	61.8	95.2
10	80.8	72.0	66.6	64.6	58.0	57.3	63.2	61.0	65.8	72.4	57.8	90.3
12.5	81.1	72.8	66.0	63.7	59.0	60.0	63.0	63.1	65.8	73.0	59.7	89.5
16	81.3	73.4	68.5	64.3	57.0	57.8	62.3	62.3	66.5	73.1	61.7	91.4
20	81.1	73.6	68.0	66.6	61.6	56.1	60.6	62.0	66.3	72.7	58.1	90.7
25	82.2	76.3	72.3	70.5	63.5	64.0	72.3	72.6	75.3	78.0	71.4	95.6
32	99.3	98.5	94.6	92.6	83.6	86.0	90.9	94.7	96.3	98.2	94.0	112.4
40	88.1	86.4	82.7	80.8	72.2	74.8	82.6	82.6	84.2	86.5	82.0	100.4
50	80.9	76.8	74.7	70.3	66.4	66.4	71.2	72.5	74.8	76.7	70.5	94.2
63	99.6	93.0	90.3	86.6	73.4	78.2	91.2	95.9	97.3	95.6	93.4	112.5
80	87.5	83.0	80.4	75.3	68.3	70.0	78.7	83.6	85.3	85.8	80.7	100.1
100	97.1	94.7	94.6	80.5	83.3	77.1	80.7	85.4	95.4	101.3	84.7	106.4
125	96.6	95.3	90.8	88.7	84.3	83.5	85.4	91.0	94.6	95.9	90.0	102.0
160	92.9	92.5	93.4	81.3	85.5	77.9	84.2	86.5	92.3	91.6	85.5	98.2
200	89.0	90.6	89.8	86.4	80.3	78.7	84.2	83.9	87.8	90.7	83.3	99.3
250	87.8	88.5	85.9	80.5	77.7	79.8	80.1	84.9	87.6	90.4	83.4	101.2
320	87.7	87.0	84.7	77.8	79.0	77.9	82.6	85.3	88.0	89.1	85.8	103.5
400	87.2	86.4	84.4	81.6	75.1	75.5	82.6	85.9	87.4	88.8	84.8	101.3
500	85.9	84.3	83.1	76.8	76.6	77.0	77.8	84.6	86.2	87.3	83.5	99.3
630	84.8	83.1	81.9	77.2	72.6	73.9	78.6	82.8	84.4	85.9	81.0	98.2
800	84.8	83.0	81.1	76.6	73.7	77.2	79.2	82.5	85.9	86.5	81.8	99.5
1.0k	82.9	81.4	80.1	75.7	73.6	76.3	77.7	80.5	82.5	84.1	82.6	96.4
1.25k	84.1	82.1	80.1	75.9	73.1	75.5	78.3	80.6	82.7	84.4	82.2	95.5
1.6k	81.6	80.9	79.3	75.3	73.1	74.5	77.1	79.3	81.4	82.3	82.7	96.2
2.0k	83.8	80.1	79.3	75.6	73.7	75.1	75.5	79.5	81.1	82.6	83.9	96.2
2.5k	83.6	84.0	81.0	78.1	75.5	76.1	77.8	80.5	85.0	85.0	85.2	96.0
3.2k	82.0	82.1	83.4	83.2	80.4	82.7	83.4	84.4	83.3	83.0	91.0	104.4
4.0k	77.7	77.2	76.4	73.6	73.3	74.7	73.7	75.6	77.8	79.5	84.6	95.9
5.0k	75.5	76.0	74.0	71.7	68.2	69.3	71.6	73.7	77.2	78.2	78.4	96.0
6.3k	72.0	74.9	74.2	71.1	67.9	69.3	72.9	73.4	74.4	75.1	79.7	97.3
8.0k	70.8	71.6	70.9	68.8	64.3	65.7	67.7	69.0	70.2	74.8	77.8	92.7
10.0k	72.0	68.6	68.4	67.3	61.7	62.9	65.4	65.3	68.2	74.8	74.7	92.7
12.5k	73.9	68.9	68.0	66.4	59.5	61.3	64.8	64.9	69.6	75.7	72.1	90.7
16.0k	75.0	71.5	69.6	68.0	60.5	63.1	66.6	66.9	71.3	77.7	70.6	89.1
20.0k	75.1	72.5	70.1	68.7	61.9	64.0	67.6	67.7	71.5	77.8	69.1	87.5
PNLT	109.4	108.7	109.4	107.5	104.4	106.1	108.1	110.0	109.5	110.5	114.1	129.3
LA	94.8	93.8	92.5	89.2	86.7	88.2	89.9	92.6	94.7	95.9	96.3	110.3
SPL	105.6	103.5	101.4	96.9	92.5	92.2	98.4	100.9	103.6	105.7	100.5	117.8

RPM = 497., Collective = 4.5 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.2	72.5	61.4	63.6	53.7	54.9	62.4	63.3	72.2	77.6	51.7	92.9
6.3	83.7	73.5	63.9	64.3	56.0	56.9	62.3	62.0	72.5	78.9	53.2	93.8
8	85.7	74.3	65.7	65.8	57.1	59.5	64.7	64.6	74.8	79.0	57.6	99.5
10	85.9	76.0	67.2	68.2	60.3	58.9	68.0	66.3	75.0	80.3	58.4	97.9
12.5	85.7	76.5	67.4	68.0	61.2	61.4	67.8	66.8	75.3	80.8	61.9	98.0
16	86.0	76.2	70.3	68.5	60.8	58.8	66.5	66.0	75.9	79.9	61.6	100.2
20	85.6	75.6	68.1	67.2	62.0	57.4	64.9	64.8	76.3	80.0	61.1	97.5
25	86.2	76.8	68.6	70.4	62.6	65.2	72.6	71.5	76.8	81.6	73.2	101.1
32	97.3	95.5	86.1	90.4	81.8	87.0	94.3	93.3	92.2	96.7	97.0	112.0
40	88.0	84.2	77.4	79.2	71.6	75.9	82.3	81.3	81.4	85.6	85.0	101.6
50	83.7	77.7	75.1	70.8	67.7	67.4	76.9	71.6	75.5	78.8	70.7	97.5
63	99.1	93.4	90.6	86.8	77.7	77.7	88.6	93.9	95.2	93.2	92.0	110.1
80	87.7	82.3	80.7	75.7	69.4	69.4	76.7	82.0	83.9	84.4	79.7	99.1
100	96.5	93.8	93.9	80.4	82.3	73.6	79.3	84.9	94.1	99.4	81.6	105.8
125	95.7	94.3	90.1	88.2	83.2	81.7	84.0	89.8	93.6	94.8	89.2	100.2
160	93.9	92.5	93.4	82.2	85.1	78.5	82.6	86.8	92.0	91.7	83.6	97.2
200	90.1	91.0	90.3	87.0	80.0	78.4	84.0	84.4	88.4	90.5	82.0	98.1
250	89.8	90.1	87.7	83.8	80.0	78.7	79.8	84.4	86.8	90.0	82.3	99.8
320	89.5	88.8	87.4	80.1	81.1	77.5	79.7	84.2	87.0	88.0	84.5	103.3
400	88.5	88.3	86.8	83.6	75.9	73.4	81.3	84.5	86.4	88.1	83.1	98.5
500	87.0	85.3	84.5	78.0	77.9	76.0	77.0	84.2	86.4	87.5	81.4	96.8
630	86.1	84.1	82.7	78.2	72.8	73.6	78.5	83.2	84.8	86.6	79.8	96.4
800	86.0	84.1	82.0	77.7	74.5	76.8	78.5	82.2	86.1	86.7	81.4	97.5
1.0k	83.5	82.3	80.5	76.6	73.9	75.7	77.3	80.0	82.3	84.1	81.6	94.7
1.25k	84.3	82.8	80.7	76.7	73.7	75.1	78.1	80.6	82.3	84.5	82.0	94.9
1.6k	82.4	81.4	79.8	75.8	73.4	73.8	76.4	79.0	80.8	82.0	82.7	96.3
2.0k	84.5	80.8	79.4	75.9	73.9	74.9	75.0	78.7	80.0	82.2	83.3	96.9
2.5k	83.8	84.6	81.1	78.9	75.7	75.6	77.5	80.7	84.7	83.8	84.4	96.4
3.2k	83.3	82.8	83.0	83.7	81.1	82.7	83.9	84.0	82.8	83.0	91.4	104.1
4.0k	79.1	78.7	77.2	74.2	73.3	74.2	73.5	75.4	77.6	80.1	83.5	95.7
5.0k	77.1	77.7	75.5	73.3	69.8	69.7	71.9	74.1	77.7	79.1	78.7	96.1
6.3k	73.6	76.7	75.8	72.8	70.0	69.8	71.7	74.2	75.0	75.8	80.0	97.7
8.0k	72.2	73.9	72.8	71.0	66.8	66.3	68.7	69.9	70.9	74.9	77.8	93.5
10.2k	72.7	70.4	69.8	68.9	64.0	63.6	66.0	66.2	67.8	74.5	75.2	93.6
12.5k	75.1	69.8	68.6	67.2	60.9	61.4	64.9	65.3	69.0	75.4	72.4	91.5
16.0k	75.7	71.9	69.8	67.8	60.9	63.1	66.6	67.3	70.7	78.0	70.9	89.7
20.0k	75.8	72.6	70.4	68.2	62.1	64.1	67.8	68.2	71.4	78.5	69.4	88.2
PNLT	110.2	109.5	109.5	108.4	105.3	106.0	108.3	109.4	110.2	110.0	114.3	128.7
LA	95.7	94.7	93.2	90.1	87.3	87.9	89.7	92.3	94.4	95.7	96.8	109.9
SPL	105.4	102.9	100.7	96.6	92.4	92.8	97.5	99.7	102.2	104.5	100.9	117.2

RPM = 497., Collective = 4.5 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	81.6	73.9	64.6	65.9	53.3	51.4	58.2	63.2	74.9	84.5	63.3	101.9
6.3	85.8	75.6	66.3	67.7	56.5	55.5	57.4	66.3	76.8	84.2	63.5	103.9
8	85.1	75.0	70.6	71.0	63.8	62.4	65.0	68.6	78.1	85.6	65.6	109.8
10	86.2	77.4	70.8	70.6	62.7	58.6	65.6	69.5	78.9	86.5	65.6	107.6
12.5	86.2	77.6	70.8	72.9	64.0	63.3	66.9	70.5	78.7	85.6	66.0	106.3
16	86.8	79.7	74.8	72.5	65.5	71.8	70.3	79.3	84.6	87.5	74.9	108.7
20	85.6	77.8	72.2	70.7	63.4	63.1	69.5	71.8	80.5	86.7	68.3	108.4
25	86.4	80.2	73.9	70.6	65.8	67.0	72.8	73.4	80.3	87.3	76.3	109.7
32	101.8	99.8	94.4	87.0	87.6	89.4	93.3	93.4	91.3	98.5	99.9	115.6
40	91.2	88.5	83.7	77.6	77.1	79.2	81.6	83.0	84.0	90.1	88.3	109.7
50	84.1	79.9	76.8	71.2	70.3	69.8	71.3	73.5	79.1	84.9	73.9	107.0
63	96.4	91.1	90.5	86.3	81.9	76.8	86.8	92.3	95.4	97.3	89.4	107.2
80	87.3	83.9	82.8	76.6	72.8	69.7	76.2	81.4	84.7	87.2	79.1	104.0
100	99.4	96.4	96.4	84.4	85.0	76.1	78.6	85.1	93.2	99.4	81.8	106.7
125	95.3	94.7	91.2	88.9	85.4	81.1	83.1	89.1	92.7	93.0	88.1	103.9
160	94.9	93.7	92.9	84.7	85.9	80.2	83.3	87.6	91.3	91.5	84.6	102.2
200	93.0	92.4	91.4	88.7	82.0	81.5	86.1	86.2	89.3	92.0	83.4	101.1
250	94.3	92.2	89.8	86.9	82.9	81.2	81.9	87.4	89.9	91.8	83.7	101.3
320	94.6	92.1	91.1	83.0	84.7	80.9	83.2	87.4	90.1	91.5	87.2	103.9
400	93.7	91.8	90.8	88.4	79.4	77.1	84.6	87.6	89.5	91.2	85.1	100.3
500	92.4	90.1	89.3	82.5	82.3	78.7	79.3	86.4	89.2	90.9	83.2	98.0
630	90.4	88.3	87.4	83.7	76.9	75.1	80.1	85.0	87.4	89.1	81.8	97.8
800	90.2	88.0	85.8	81.4	77.9	78.4	80.4	84.1	88.1	89.4	82.3	98.9
1.0k	87.4	86.2	83.9	79.5	76.4	76.4	78.4	81.6	84.0	86.0	82.6	96.1
1.25k	87.8	86.0	83.8	79.3	76.6	76.1	78.7	81.7	84.2	85.5	82.6	95.4
1.6k	85.6	84.1	82.2	77.9	75.3	74.4	77.0	80.0	81.9	83.2	83.2	96.2
2.0k	85.5	83.2	81.3	77.9	75.4	74.4	75.2	79.5	80.8	83.1	84.0	96.7
2.5k	84.6	84.5	82.0	80.1	77.0	75.3	77.3	80.8	84.1	84.5	84.2	96.3
3.2k	84.8	83.8	83.3	83.2	81.7	82.4	83.3	84.1	83.1	83.7	91.2	104.1
4.0k	81.2	80.5	78.8	75.2	74.1	74.4	74.0	76.3	78.3	80.9	83.7	96.0
5.0k	78.7	79.1	76.9	74.4	71.1	70.2	72.4	74.9	78.2	80.0	79.1	96.5
6.3k	75.6	78.4	76.8	73.8	71.2	70.1	72.1	74.8	76.2	77.0	80.8	97.8
8.0k	74.5	76.4	74.8	72.3	68.1	67.2	69.4	71.5	72.6	76.3	78.8	94.4
10.0k	74.4	73.7	71.8	70.2	65.5	64.5	66.8	67.2	69.6	75.7	76.4	94.3
12.5k	76.4	72.1	70.3	67.9	61.8	61.9	65.2	65.8	70.3	76.2	73.4	92.7
16.0k	76.6	73.3	70.8	67.7	60.9	63.1	66.7	67.3	71.8	78.5	71.7	91.3
20.0k	76.3	73.1	71.5	67.9	62.0	64.4	67.5	68.3	72.1	78.9	69.8	89.3
PNLT	112.4	111.1	109.8	108.9	106.7	106.4	109.3	110.1	109.7	111.3	114.5	129.3
LA	99.0	97.4	95.8	92.2	89.2	88.4	90.4	93.6	95.9	97.5	96.4	110.3
SPL	107.5	105.2	103.0	97.7	95.2	93.7	97.3	100.1	102.7	106.1	102.4	121.1

RPM = 497., Collective = 4.5 deg, Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.4	78.1	67.7	65.9	56.6	64.4	67.9	71.3	81.7	90.3	55.5	106.4
6.3	88.2	79.8	70.1	67.3	58.8	65.2	68.4	71.8	81.5	88.4	58.5	109.7
8	87.8	80.1	74.4	73.3	66.4	68.2	71.4	73.5	82.5	89.1	66.2	112.8
10	87.8	79.9	73.1	71.9	63.8	66.7	71.2	73.9	83.8	89.6	64.7	112.0
12.5	88.3	80.2	73.5	72.2	66.0	67.2	71.2	74.3	84.6	89.8	67.8	113.3
16	88.6	81.6	77.0	74.1	67.1	72.9	74.9	79.9	86.7	90.1	79.4	115.6
20	88.4	81.0	74.1	71.7	65.9	67.8	72.8	75.3	84.7	90.2	71.8	115.2
25	90.4	84.4	79.9	75.1	69.6	69.6	74.2	76.4	85.5	91.4	79.3	116.8
32	106.0	104.9	101.2	92.4	92.9	91.9	93.1	96.3	97.9	103.2	102.6	119.8
40	95.2	93.1	89.3	81.2	81.1	81.8	81.2	85.2	88.7	93.5	90.5	116.8
50	86.8	81.7	78.3	72.1	72.1	72.8	71.6	75.5	82.5	88.6	75.8	113.6
63	92.7	89.8	88.1	85.4	86.1	75.1	81.3	86.0	91.1	95.7	87.4	113.4
80	87.3	84.1	82.4	76.1	75.0	69.5	73.1	78.6	83.1	88.0	78.8	110.2
100	97.2	93.7	94.0	81.9	82.4	77.2	77.9	84.5	91.3	97.4	82.6	109.1
125	95.6	93.7	89.3	87.1	84.2	81.3	84.2	89.5	91.9	92.0	86.8	107.-
160	94.2	92.4	92.0	83.6	85.4	80.8	83.8	88.2	91.4	91.3	84.9	105.8
200	92.7	91.4	89.9	87.0	81.1	83.2	84.4	88.5	90.8	92.4	84.7	104.7
250	93.1	91.9	89.2	85.8	82.3	82.9	84.9	90.0	91.7	92.9	85.6	103.2
320	94.6	91.7	89.9	83.0	83.3	82.2	85.1	90.3	92.6	92.9	88.4	104.2
400	93.5	91.5	90.0	87.5	79.4	78.5	87.3	90.5	92.0	93.0	87.6	101.6
500	91.5	89.7	88.9	82.5	82.0	80.9	82.3	89.6	91.9	92.7	86.4	100.0
630	90.3	88.2	86.8	83.0	77.3	77.5	83.2	87.6	89.4	90.7	84.4	99.0
800	90.2	88.8	86.3	81.8	77.9	80.1	82.1	86.3	89.3	90.8	84.7	100.2
1.0k	88.0	86.7	84.7	80.0	77.2	78.1	82.3	83.5	85.8	87.5	84.5	97.2
1.25k	88.3	86.6	84.5	79.7	76.8	77.4	80.3	83.4	84.9	86.6	84.1	96.0
1.6k	86.2	85.1	82.9	78.5	75.9	75.2	78.3	81.3	82.9	84.1	84.2	96.8
2.0k	85.4	83.9	82.0	78.4	76.1	75.4	76.5	80.6	81.6	83.7	84.8	97.3
2.5k	84.4	85.0	82.7	80.4	77.6	76.1	78.3	81.8	84.6	84.7	84.7	97.1
3.2k	85.2	84.5	83.7	83.5	81.0	82.6	84.2	84.9	83.6	84.1	92.0	103.8
4.0k	81.9	81.6	79.6	75.9	73.9	76.0	75.3	77.2	78.8	81.5	86.0	97.0
5.0k	79.7	80.4	77.7	75.2	71.9	71.2	73.4	75.8	78.8	80.6	80.3	97.2
6.3k	76.5	79.8	77.8	74.8	71.9	70.9	73.0	75.8	77.3	77.7	81.2	97.8
8.0k	75.1	77.4	75.8	73.4	69.2	68.3	70.7	72.8	74.2	77.2	80.2	96.8
10.0k	75.0	74.5	72.6	71.2	66.6	65.3	67.9	68.6	70.8	76.2	77.8	95.9
12.5k	77.2	72.8	70.5	68.4	62.8	62.2	65.8	66.7	71.3	76.5	75.7	94.7
16.0k	77.3	73.9	70.8	68.3	60.8	63.2	66.7	67.8	72.5	79.0	78.6	93.9
20.0k	76.6	73.2	71.7	68.9	62.3	64.4	67.6	68.6	72.2	79.1	73.6	92.9
PNLT	112.4	111.4	109.8	108.9	106.2	106.8	109.2	111.2	110.5	111.9	115.3	129.9
LA	99.0	97.6	95.8	92.2	89.2	89.5	92.1	95.6	97.4	98.6	97.6	111.1
SPL	109.0	107.2	104.4	98.0	96.7	95.5	98.0	101.6	104.2	107.7	104.5	126.2

RPM = 497., Collective = 4.5 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	90.6	82.8	70.9	72.0	54.6	67.8	72.9	76.6	83.7	89.6	59.6	108.4
6.3	91.0	83.3	73.7	73.6	56.6	68.9	74.7	78.3	84.3	91.7	61.4	111.5
8	91.1	83.5	77.8	77.8	70.6	70.6	76.8	77.9	85.9	92.1	67.1	115.6
10	92.1	83.6	76.2	77.0	64.7	68.5	76.1	79.5	85.5	91.1	66.3	115.5
12.5	91.8	83.1	76.2	76.0	66.3	70.0	76.5	79.9	85.8	91.2	68.6	116.1
16	92.3	83.6	77.3	74.6	67.9	76.3	82.6	83.5	88.9	92.9	82.2	117.9
20	91.6	83.2	76.7	74.9	66.5	68.8	76.6	79.3	87.3	92.8	73.9	117.4
25	91.7	86.4	81.9	76.8	70.9	70.8	76.1	79.8	87.9	93.0	79.8	119.4
32	107.6	107.1	100.2	91.4	94.6	92.9	93.1	96.9	100.2	104.8	103.8	121.3
40	97.0	95.6	92.7	83.9	83.3	82.1	81.8	86.5	91.4	95.9	92.1	116.8
50	89.5	82.7	79.7	73.3	74.2	73.0	72.1	77.4	85.3	90.2	75.9	114.3
63	92.7	87.0	85.9	82.8	83.9	77.4	82.0	85.2	92.5	97.8	87.0	116.6
80	88.3	83.8	82.7	76.2	77.4	71.4	73.8	79.6	84.9	89.6	79.4	111.4
100	95.7	93.2	92.6	80.1	82.1	76.7	78.5	85.5	91.4	95.7	84.5	109.0
125	93.9	92.6	88.1	86.2	83.3	82.3	84.3	89.3	91.2	91.5	84.8	107.7
160	92.5	90.7	90.8	81.9	84.0	80.8	83.7	87.9	90.8	91.5	84.6	107.1
200	91.2	89.8	89.4	86.3	79.9	82.2	87.1	87.4	89.9	91.6	84.2	105.6
250	91.3	90.4	88.4	84.5	81.7	82.8	86.8	89.6	91.6	92.8	85.4	103.9
320	91.5	89.6	87.8	80.7	81.7	82.6	85.4	90.4	92.7	92.6	87.5	105.2
400	90.8	89.2	87.6	85.3	76.9	78.8	87.7	90.2	91.8	92.5	87.2	102.5
500	89.3	87.3	86.6	80.3	80.1	81.6	82.0	89.2	92.3	92.4	86.7	101.4
630	88.5	85.7	84.8	80.7	76.0	78.1	83.4	87.1	88.8	90.1	84.9	99.8
800	88.8	86.7	84.7	80.8	77.5	80.3	82.6	86.3	89.3	90.0	85.4	100.9
1.0k	86.7	85.1	83.7	79.4	76.9	78.9	81.4	84.1	85.7	87.0	85.6	97.9
1.25k	87.7	85.2	83.5	79.1	76.4	78.0	81.1	83.8	84.7	86.3	85.3	97.3
1.6k	85.9	84.1	82.6	78.5	75.8	76.1	79.3	82.0	83.2	84.2	84.8	97.6
2.0k	85.3	83.4	82.3	78.7	76.1	75.9	77.1	80.9	81.5	83.3	85.0	98.1
2.5k	84.8	84.9	82.8	80.8	78.2	76.7	79.1	82.0	84.7	84.2	84.9	98.1
3.2k	85.4	84.4	84.3	83.5	81.5	82.8	83.9	84.9	84.0	84.3	91.2	103.9
4.0k	82.5	81.7	80.4	76.6	74.7	76.3	76.3	78.2	79.3	81.8	86.0	97.8
5.0k	80.8	80.8	78.6	76.3	72.7	72.1	74.5	76.7	79.5	81.1	81.1	98.4
6.3k	77.8	80.3	78.8	75.7	72.7	71.7	73.8	76.8	78.7	78.4	81.7	98.7
8.0k	77.6	78.2	76.8	74.6	72.1	69.2	71.8	74.2	75.8	78.2	80.9	97.8
10.0k	78.7	75.3	73.0	72.2	67.4	66.1	68.8	70.2	71.8	77.0	78.7	97.9
12.5k	80.8	75.1	70.3	69.1	63.4	62.8	64.3	67.8	72.0	77.0	76.4	97.2
16.0k	81.7	77.2	70.2	68.4	61.1	63.5	66.8	68.3	73.3	79.6	74.9	97.3
20.0k	81.7	78.1	71.2	69.5	62.1	64.6	67.4	69.0	72.4	79.4	73.8	97.1
OALT	112.1	110.6	109.6	108.4	106.3	107.1	109.1	111.2	110.8	111.9	114.7	130.3
LA	98.0	96.4	95.0	91.6	89.0	89.9	92.5	95.6	97.4	98.3	97.6	111.9
SPL	109.9	108.5	105.8	98.6	97.6	96.2	98.1	101.8	105.1	108.7	105.4	120.1

RPM = 497., Collective = 4.5 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	95.2	84.6	75.8	72.3	61.5	65.9	65.2	68.8	78.6	89.7	57.6	111.1
6.3	97.6	85.3	76.7	74.5	62.9	67.7	68.6	70.5	81.2	90.4	60.0	114.1
8	97.2	86.0	80.8	76.8	71.7	69.9	73.0	73.8	81.9	91.6	67.3	119.8
10	97.0	86.7	79.4	75.6	67.3	69.7	72.7	73.9	82.7	92.3	66.7	117.9
12.5	95.9	86.4	78.8	75.5	67.4	69.8	72.6	74.0	83.3	92.5	66.5	120.6
16	96.4	88.7	82.1	77.4	69.8	77.9	83.4	83.8	87.9	94.0	84.3	122.6
20	96.6	88.5	78.9	76.3	68.7	73.3	74.8	76.4	84.5	92.6	75.5	121.7
25	97.9	89.3	83.4	78.4	72.8	71.5	75.2	76.8	85.3	93.2	80.9	121.7
32	109.1	108.7	105.9	97.7	96.0	93.7	93.1	97.2	101.1	105.8	104.5	123.6
40	99.7	97.1	93.9	85.9	84.2	82.9	81.6	86.6	91.3	96.3	92.6	120.0
50	94.6	85.7	82.0	74.2	75.5	73.9	72.0	78.0	84.4	90.7	78.1	117.0
63	98.3	92.3	88.4	88.2	91.0	80.8	84.4	90.6	92.1	97.1	87.7	118.5
80	92.9	85.8	83.7	78.3	78.9	74.2	76.3	82.5	85.0	89.7	81.0	113.9
100	96.4	93.8	92.1	82.5	81.[illegible]	[illegible]	82.2	89.0	92.7	95.6	88.3	112.2
125	96.8	94.9	90.4	87.4	83.9	83.8	85.2	90.4	93.9	95.3	84.9	110.4
160	95.5	92.9	92.8	85.2	86.0	84.4	85.2	91.0	94.2	[illegible]	86.3	108.7
200	95.5	94.2	91.9	88.8	83.2	86.6	91.1	90.8	93.1	94.8	87.8	107.4
250	95.9	95.2	92.7	89.2	85.2	85.6	86.9	91.3	93.8	95.8	88.0	105.2
320	96.0	94.3	93.3	85.5	86.4	84.6	87.2	91.4	94.7	95.3	90.0	106.2
400	95.1	93.9	92.8	89.9	81.4	80.8	89.4	91.4	93.6	95.0	89.0	103.7
500	93.[illegible]	91.8	91.3	84.3	84.5	84.5	83.8	90.4	94.0	94.7	88.0	102.9
630	91.4	89.4	88.6	84.7	79.2	79.8	84.4	88.1	90.0	91.8	86.6	100.8
800	91.1	89.5	87.8	83.5	80.1	82.4	84.0	87.5	90.0	91.7	87.2	101.9
1.0k	88.7	87.9	86.2	82.1	79.4	80.6	82.9	85.5	87.2	88.7	87.7	99.6
1.25k	88.4	86.[illegible]	85.6	81.2	78.6	79.7	82.6	85.3	86.4	87.8	87.8	98.8
1.6k	86.6	85.2	83.8	79.7	77.1	77.7	80.7	83.3	84.4	85.7	86.0	98.9
2.0k	86.1	84.0	83.1	79.5	77.1	77.4	78.4	82.1	82.4	84.2	85.8	99.0
2.5k	85.4	85.6	83.6	81.4	79.0	77.9	79.9	82.6	84.6	84.5	86.5	99.0
3.2k	86.1	85.3	85.1	84.4	82.2	83.3	84.0	85.1	84.2	85.4	91.4	104.7
4.0k	83.2	82.5	81.4	77.7	75.9	76.0	76.6	79.2	80.6	82.8	85.4	98.3
5.0k	81.7	81.7	79.8	77.3	74.1	73.3	75.7	78.0	80.6	82.2	82.3	99.1
6.3k	79.0	81.4	80.1	76.4	73.9	73.0	74.9	78.2	79.5	79.6	82.9	99.8
8.0k	78.4	79.4	78.6	75.7	71.9	70.4	73.0	75.7	76.6	79.2	82.1	98.6
10.0k	79.1	76.7	76.0	73.3	69.5	67.3	69.7	71.1	73.1	77.8	79.8	98.9
12.5k	81.4	76.1	75.2	69.8	66.9	63.5	67.[illegible]	69.0	73.3	77.5	77.3	98.2
16.2k	82.1	77.8	76.3	68.5	67.1	63.6	67.0	69.3	74.3	80.3	75.7	98.1
20.0k	82.1	78.2	76.8	69.3	67.5	64.6	67.5	69.4	73.0	79.7	74.4	97.8
PNLT	113.9	112.6	111.5	110.1	107.7	108.4	110.0	112.0	111.8	113.4	115.6	131.5
LA	100.2	98.9	97.7	93.9	91.0	91.4	93.7	96.7	98.8	100.1	98.7	113.8
SPL	112.5	110.4	107.8	101.2	99.4	97.7	99.4	103.0	106.2	109.8	106.2	131.2

RPM = 497., Collective = 4.5 deg, Blade Pressure Ratio = 1.7

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	97.2	86.5	78.1	74.8	67.2	65.4	69.2	69.8	80.6	91.4	57.9	112.4
6.3	98.1	87.3	79.6	76.9	68.5	67.2	70.4	71.7	82.1	92.3	60.8	113.7
8	97.4	88.3	81.7	79.6	71.8	71.1	73.6	74.1	83.1	92.1	69.3	120.1
10	98.5	87.5	79.6	78.5	70.2	68.3	70.7	73.5	84.0	91.9	67.8	119.7
12.5	97.9	87.5	81.4	77.5	70.3	68.9	73.8	74.3	84.7	91.3	70.3	121.2
16	98.1	88.8	83.6	79.5	71.8	79.9	85.4	84.9	89.9	93.1	86.3	122.9
20	98.2	88.6	81.0	77.6	70.6	71.3	76.6	77.3	84.3	91.6	76.8	123.4
25	97.8	90.8	85.2	80.3	74.4	72.1	76.8	78.1	85.8	91.8	81.3	123.1
32	110.7	110.2	106.9	99.1	97.3	93.7	91.8	97.2	102.4	106.2	104.6	124.9
40	100.7	98.2	94.7	87.1	85.4	82.5	80.6	86.5	91.8	96.2	92.4	119.8
50	96.0	87.4	83.9	75.6	77.2	75.0	73.5	79.4	84.4	92.7	80.3	118.1
63	100.6	93.1	91.7	90.4	91.7	81.2	86.0	91.5	93.1	99.0	88.8	119.8
80	94.4	86.7	85.2	79.7	79.6	76.2	78.0	84.6	86.4	90.8	81.8	113.8
100	96.3	93.9	93.2	81.2	82.0	80.2	83.6	90.2	93.8	95.1	89.0	112.2
125	95.7	92.4	88.6	86.1	81.8	85.6	87.6	91.5	93.6	94.5	87.5	110.7
160	95.8	93.1	92.1	84.2	84.6	86.4	87.5	91.8	95.2	95.1	88.5	109.5
200	95.9	93.6	91.7	88.9	82.6	88.7	93.2	92.4	94.9	95.8	90.7	108.3
250	96.6	95.0	92.4	89.0	85.1	87.2	89.7	93.5	95.9	96.6	91.4	106.1
320	96.6	95.0	93.6	85.8	86.2	87.6	90.5	93.8	96.6	96.6	92.7	106.8
400	95.7	94.4	93.6	90.7	81.3	83.4	92.0	93.4	95.5	95.3	91.2	104.5
500	93.8	91.8	91.5	84.8	85.0	85.4	85.8	91.9	94.9	94.9	90.0	103.9
630	92.5	90.0	88.9	84.7	79.8	81.2	86.0	90.0	90.9	91.6	89.0	102.0
800	92.7	90.5	89.0	84.5	81.0	83.6	85.4	89.3	90.6	91.5	89.5	102.8
1.0k	91.2	90.0	88.4	83.7	80.5	82.5	84.8	87.9	88.6	88.9	89.6	100.8
1.25k	90.2	88.8	88.0	83.9	80.7	82.0	85.3	87.9	88.0	88.2	90.9	99.6
1.6k	88.2	86.7	85.5	81.4	78.3	79.2	82.2	85.3	85.5	85.7	87.6	99.4
2.0k	87.2	85.0	84.5	80.8	78.2	78.5	79.6	83.8	83.6	84.2	86.8	99.7
2.5k	86.7	85.8	84.8	82.4	80.2	79.2	81.0	84.1	85.8	85.3	88.6	99.9
3.2k	87.4	86.0	86.1	84.8	82.2	83.7	84.6	86.7	85.6	85.8	92.6	106.1
4.0k	84.5	83.4	82.6	78.8	76.6	77.4	78.2	81.5	82.0	83.3	87.1	98.9
5.0k	83.1	82.6	81.1	78.5	75.0	74.4	76.6	79.9	81.9	82.5	83.6	100.2
6.3k	80.1	82.2	81.1	77.8	74.9	73.9	75.7	79.8	80.7	79.9	83.8	101.0
8.0k	79.4	80.1	79.7	76.8	73.0	71.7	74.0	77.8	77.5	79.4	83.4	99.9
10.0k	79.9	77.3	76.6	74.4	70.6	68.6	71.1	74.5	74.5	77.7	81.1	100.7
12.5k	82.2	76.5	75.2	71.2	67.8	64.6	67.8	72.1	74.8	77.7	78.6	100.5
16.0k	82.7	78.3	76.3	68.9	67.4	64.1	67.3	71.6	75.5	80.5	76.5	101.4
20.0k	82.3	78.0	77.4	69.4	67.8	64.9	67.9	71.4	73.9	80.2	74.7	101.9
PNLT	115.0	113.2	112.4	110.6	107.9	109.2	111.1	113.7	113.1	113.7	116.9	132.7
LA	101.4	99.7	98.7	94.8	91.7	92.8	95.6	98.7	100.1	100.4	100.6	114.0
SPL	113.7	111.6	108.7	102.2	100.2	98.8	100.9	104.3	107.5	110.2	107.0	132.2

RPM = 497., Collective = 6.0 deg, Blade Pressure Ratio = 1.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	81.7	70.9	64.6	54.3	55.5	61.3	63.6	65.2	72.1	80.7	48.3	87.2
6.3	82.4	71.5	67.0	55.5	56.7	64.0	64.8	67.0	73.0	89.4	52.5	87.1
8	83.4	73.7	67.6	57.6	58.1	63.1	67.9	70.0	73.3	81.7	57.1	89.2
10	83.7	74.6	67.4	62.9	61.6	64.7	68.5	69.2	74.3	82.1	57.3	89.7
12.5	82.4	74.3	67.0	62.6	61.9	64.9	68.9	70.1	75.2	81.3	59.8	89.0
16	83.2	74.5	67.5	62.0	62.7	63.8	69.4	70.0	76.2	82.1	63.5	89.3
20	83.0	74.2	68.2	64.1	61.9	61.3	67.0	69.9	74.2	82.0	58.3	91.4
25	82.7	77.6	73.0	71.0	65.0	64.3	72.4	73.5	76.8	83.1	69.4	93.3
32	99.8	98.9	95.7	93.9	86.1	85.3	95.0	95.6	96.6	99.2	92.9	112.8
40	88.6	87.0	83.9	82.4	74.5	74.3	83.0	83.4	84.7	87.9	81.3	101.4
50	82.3	78.3	74.7	71.2	67.8	68.0	72.5	73.1	75.8	80.2	72.8	94.3
63	100.9	94.1	90.7	86.9	77.0	80.8	91.4	96.4	97.5	96.5	93.4	112.9
80	88.8	82.9	80.3	75.5	69.9	70.1	78.9	83.8	85.5	86.3	80.9	100.9
100	97.9	95.2	94.9	90.6	85.4	73.6	76.0	84.4	94.4	100.9	80.0	105.4
125	96.5	95.0	89.7	88.5	84.5	81.7	82.0	90.7	94.2	95.2	89.4	101.6
160	92.2	91.0	92.0	80.4	85.2	76.2	82.3	86.6	91.9	92.4	84.2	96.1
200	88.3	90.1	89.9	86.4	80.3	74.5	81.4	82.5	87.5	91.4	81.2	97.5
250	85.5	87.1	83.6	79.8	78.4	78.7	77.4	83.1	84.0	89.1	80.3	98.9
320	85.2	83.7	82.1	76.0	78.2	75.9	77.2	82.7	85.4	86.7	83.6	101.4
400	85.3	83.6	81.3	79.5	74.2	73.4	79.8	83.5	85.1	87.0	82.0	97.4
500	85.2	82.6	80.8	75.3	74.4	75.3	76.3	83.8	85.6	87.5	80.4	97.2
630	84.3	82.0	80.2	76.0	72.0	73.0	78.3	83.0	84.6	85.9	79.3	96.7
800	84.2	82.4	80.7	76.7	74.6	76.0	79.6	84.6	85.9	85.5	81.8	97.6
1.0k	82.7	81.6	78.6	75.8	74.0	75.4	74.3	80.2	81.5	84.0	80.7	95.7
1.25k	82.9	81.2	78.5	75.4	73.0	74.3	77.3	80.4	81.7	83.1	80.6	94.6
1.6k	81.5	80.6	78.1	75.3	73.2	74.3	76.4	79.2	80.8	81.3	81.2	94.3
2.0k	80.7	79.7	77.6	75.1	73.1	73.8	74.0	78.7	79.6	79.9	81.9	95.8
2.5k	81.9	79.9	77.1	76.4	74.0	74.7	76.1	78.8	80.3	80.2	83.9	95.2
3.2k	81.1	80.5	78.8	79.0	75.0	76.8	78.8	79.8	80.3	82.5	84.1	103.7
4.0k	76.9	76.4	72.7	72.3	70.5	71.2	73.5	74.8	76.1	78.0	79.2	94.6
5.0k	75.6	74.6	68.5	69.3	67.2	68.1	72.4	73.6	75.9	77.3	75.9	95.6
6.3k	73.0	72.9	66.0	68.7	65.9	66.9	67.5	71.2	74.1	74.8	76.0	96.5
8.0k	72.2	70.9	60.4	65.3	62.6	63.4	65.3	69.5	71.8	72.7	73.9	91.6
10.0k	69.5	68.6	61.0	63.3	59.7	60.0	61.1	66.7	66.3	68.8	72.5	91.6
12.5k	63.9	62.8	60.7	59.6	55.8	54.5	55.7	61.2	62.1	62.2	70.8	88.1
16.0k	59.4	57.5	60.6	57.5	49.9	48.7	51.1	59.1	59.2	60.0	68.2	85.8
20.0k	59.9	56.1	53.1	55.0	43.6	42.8	47.2	58.1	57.7	62.6	63.9	82.5
PNLT	108.5	107.2	106.2	104.3	99.9	101.4	100.0	106.8	107.5	109.4	108.9	128.4
LA	93.8	92.5	90.3	87.5	85.0	85.7	87.9	91.6	93.3	94.6	92.8	109.2
SPL	106.1	103.5	101.2	97.2	93.0	90.8	97.9	101.0	103.3	105.8	99.0	117.6

RPM = 497., Collective = 6.0 deg, Blade Pressure Ratio = 1.1

Microphone Number

HZ /	1	2	3	4	5	6	7	8	9	10	11	12
5	82.5	75.9	64.6	64.4	61.8	58.1	65.4	65.7	76.1	81.4	51.4	90.9
6.3	82.1	75.4	65.1	66.3	62.9	58.8	66.5	67.2	76.5	81.2	53.2	92.1
8	83.7	76.0	69.1	67.5	64.8	63.7	68.1	70.1	77.1	82.6	60.7	95.1
10	83.4	75.8	68.1	68.2	67.0	62.3	69.2	69.9	78.5	82.3	58.5	93.8
12.5	82.5	75.9	68.3	67.2	66.0	63.9	69.2	71.4	77.7	82.4	60.9	92.9
16	83.2	77.1	68.3	67.2	65.9	61.3	66.8	70.7	77.6	82.4	63.1	94.8
20	83.0	75.7	68.1	67.1	65.8	59.1	66.1	69.1	76.6	83.4	59.4	95.2
25	83.0	76.9	70.5	70.7	66.5	64.9	72.9	73.8	78.1	84.4	72.2	97.6
32	96.9	95.5	90.3	92.4	84.5	86.8	95.0	94.8	95.0	97.6	94.9	111.4
40	86.9	84.4	79.5	80.9	73.7	75.5	83.9	82.7	83.6	86.9	83.0	100.1
50	82.4	78.9	75.2	78.[illegible]	68.4	68.4	72.5	73.0	76.1	81.0	70.7	94.9
63	100.0	93.[illegible]	90.4	85.8	78.1	79.1	90.5	95.6	97.1	96.1	93.0	111.0
80	88.1	82.3	80.1	74.8	78.0	69.2	78.1	83.0	85.1	86.3	80.5	99.5
100	97.0	94.2	94.4	79.8	83.8	73.6	76.1	83.7	94.0	100.4	79.3	104.7
125	95.7	9[illegible]	89.2	87.9	83.3	80.1	81.5	90.1	93.7	95.0	87.0	99.8
160	92.2	90.6	91.8	79.9	83.9	75.8	82.0	86.5	92.0	91.9	83.0	95.8
200	88.4	89.7	89.2	85.8	79.5	74.8	80.5	82.1	87.3	90.6	80.1	97.3
250	86.5	87.6	84.3	80.3	77.7	78.5	79.3	83.7	83.9	87.5	81.1	99.2
320	85.9	84.6	82.8	77.0	77.9	77.1	77.3	82.7	85.3	86.5	83.6	100.4
400	85.9	84.6	82.2	79.8	73.8	73.9	79.4	83.9	85.3	87.0	82.4	97.6
500	86.0	83.9	82.1	76.1	75.1	75.9	76.4	83.3	84.7	87.2	80.5	98.1
630	84.7	83.0	81.2	77.2	72.0	72.8	77.8	82.1	83.3	85.4	79.0	96.7
800	84.8	82.9	81.0	77.0	74.2	76.9	78.3	83.7	84.8	85.7	81.0	97.7
1.0k	83.1	81.9	78.7	75.7	73.2	75.1	76.0	79.8	81.0	83.8	80.6	95.5
1.25k	83.2	81.6	78.9	75.4	72.5	74.1	76.4	79.8	81.0	83.2	80.3	94.8
1.6k	82.3	80.8	78.4	75.2	72.5	73.9	75.6	78.8	80.3	81.5	80.8	94.1
2.3k	80.9	79.9	77.6	75.0	72.2	73.3	73.6	78.4	79.0	80.0	81.4	95.6
2.5k	81.7	80.1	77.3	77.0	73.9	73.9	75.7	78.4	79.6	79.8	83.0	95.6
3.2k	82.3	81.2	78.3	78.6	74.6	76.4	78.1	79.2	79.9	80.8	83.0	103.4
4.0k	79.5	78.8	74.6	73.3	70.6	71.3	73.3	75.5	76.8	79.0	78.8	95.0
5.0k	78.8	78.1	71.5	71.9	69.4	69.4	71.7	75.2	77.6	78.3	77.6	95.7
6.3k	77.2	77.0	69.8	71.9	68.7	68.4	69.4	73.0	75.9	77.1	77.5	96.8
8.0k	76.8	76.0	65.5	69.2	66.4	65.6	67.6	71.7	73.6	75.5	76.2	92.6
10.0k	74.2	73.3	64.4	66.9	63.8	62.3	63.5	68.7	68.7	70.9	74.5	92.6
12.5k	67.9	67.2	63.5	62.1	59.4	56.3	57.8	63.0	64.0	64.7	72.6	89.4
16.0k	62.4	61.4	63.3	58.3	52.2	50.0	52.2	59.7	60.5	61.6	69.4	87.2
20.0k	61.7	58.0	55.0	54.9	44.7	43.1	47.4	58.1	58.8	63.6	64.7	83.7
PNLT	109.4	108.0	105.0	104.3	99.7	101.3	103.5	106.4	107.3	109.3	108.2	128.0
LA	94.4	93.1	90.6	87.8	84.7	85.5	87.4	91.3	92.8	94.5	92.4	109.2
SPL	105.1	102.2	99.9	96.3	92.0	91.1	97.6	102.4	102.7	105.2	99.2	116.6

RPM = 497., Collective = 6.0 deg, Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	83.3	75.7	70.0	70.0	70.7	54.7	64.4	65.9	75.9	80.4	51.1	95.2
6.3	84.2	78.3	70.4	70.4	74.3	56.5	65.1	69.0	74.7	82.3	54.0	97.4
8	85.4	78.3	71.5	71.0	76.2	60.6	66.7	69.8	77.0	83.0	60.4	103.5
10	85.4	79.2	72.7	73.2	76.9	58.4	68.0	71.6	78.2	83.1	60.1	101.2
12.5	86.7	79.5	71.8	72.0	76.9	61.6	67.9	71.5	77.7	83.9	61.7	99.6
16	85.0	79.4	74.1	71.2	77.1	59.5	66.8	70.9	77.4	83.8	63.0	102.3
20	85.6	78.7	71.8	70.6	77.5	58.9	65.9	70.8	77.1	84.1	63.0	99.3
25	85.2	79.4	71.5	71.3	77.0	66.4	73.3	73.8	78.5	83.7	74.1	101.8
32	97.7	95.5	79.7	89.8	86.1	88.0	94.3	92.8	89.3	96.0	98.9	112.4
40	87.9	84.5	75.2	79.8	78.1	77.0	82.2	81.3	80.5	86.0	86.1	102.1
50	83.9	79.5	75.6	71.6	74.6	68.9	72.5	73.2	77.2	81.4	71.7	97.7
63	99.4	93.7	91.0	85.1	81.5	77.3	80.4	94.2	96.2	95.4	92.9	108.2
80	88.2	83.1	81.2	75.2	74.8	68.9	77.3	82.0	84.3	85.7	80.6	99.3
100	97.3	93.9	94.3	80.3	83.3	72.2	73.6	82.1	91.4	99.0	79.5	104.7
125	95.7	94.2	90.1	88.8	84.2	80.2	80.5	88.1	91.2	92.7	85.9	100.2
160	92.5	90.5	91.8	81.1	84.5	79.2	80.1	87.2	91.0	92.1	82.8	97.9
200	89.4	89.1	88.3	85.5	78.7	79.5	85.1	85.6	87.7	91.0	82.2	99.0
250	90.1	90.7	87.1	83.5	80.4	80.7	82.2	86.4	88.3	91.1	83.4	99.8
320	90.9	89.4	88.1	80.6	81.7	80.1	79.8	86.5	88.8	89.9	85.5	101.7
400	91.5	90.1	88.0	85.3	77.9	76.7	82.3	86.7	88.2	90.3	84.4	98.9
500	90.0	89.3	88.1	81.1	80.6	78.7	79.3	86.2	88.0	89.6	82.7	98.5
630	88.2	87.3	86.2	82.3	76.0	74.8	79.9	84.7	85.8	88.3	82.0	97.2
800	87.9	85.6	84.1	80.2	76.9	77.0	79.2	85.1	86.9	88.3	82.9	97.9
1.0k	85.0	83.8	81.2	77.6	74.3	75.3	76.6	81.3	83.0	85.9	81.6	95.8
1.25k	84.9	83.2	81.4	77.9	74.8	74.7	77.2	81.1	82.3	84.4	81.0	94.7
1.6k	83.7	82.4	80.3	76.7	73.9	74.1	76.0	79.5	81.0	82.4	80.9	94.1
2.0k	82.3	81.1	79.6	76.4	73.1	73.1	73.7	78.7	79.2	80.0	81.4	95.9
2.5k	82.4	80.5	78.4	77.6	74.2	73.4	75.5	78.6	79.5	79.7	82.3	95.9
3.2k	83.8	81.8	79.3	79.4	75.1	76.4	77.9	79.6	80.0	81.1	82.8	103.1
4.0k	80.9	80.3	76.1	74.8	71.8	71.7	73.3	76.6	77.6	79.5	79.4	95.6
5.0k	80.6	79.6	73.4	73.5	70.9	70.2	71.9	76.3	78.3	79.1	78.4	96.2
6.3k	79.4	79.1	72.2	74.0	70.7	69.4	70.3	74.5	76.9	78.0	78.6	97.0
8.0k	79.4	78.6	68.7	71.8	68.7	67.1	68.6	73.5	75.2	76.6	77.3	93.8
10.0k	77.4	75.8	67.0	69.7	66.2	63.8	64.6	70.5	70.7	72.3	75.5	93.6
12.5k	70.9	69.9	65.8	64.6	61.8	57.8	58.8	64.6	65.6	66.2	73.2	90.8
16.0k	64.9	64.0	65.7	60.1	54.3	51.0	53.0	60.9	61.7	62.7	70.2	88.3
20.0k	63.5	59.6	57.1	57.6	45.9	43.5	47.6	59.0	59.9	64.2	65.2	84.8
PNLT	111.0	109.5	106.9	105.9	102.4	102.0	103.9	107.0	108.0	109.7	108.4	127.9
LA	96.8	95.5	93.5	90.1	86.7	86.3	88.4	92.8	94.4	96.2	93.1	109.4
SPL	105.8	103.1	100.6	96.4	94.1	92.3	97.3	99.9	101.8	104.7	100.9	117.2

RPM = 497., Collective = 5.0 deg, Blade Pressure Ratio = 1.3

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	86.4	77.7	70.1	67.5	64.5	66.6	69.1	71.0	79.3	84.3	53.3	97.2
6.3	87.3	77.9	70.0	68.3	64.4	68.4	72.1	73.5	78.3	85.7	56.2	102.2
8	87.6	78.3	73.7	70.5	67.2	71.1	73.2	76.6	80.7	86.7	62.8	107.4
10	88.6	79.3	72.2	70.8	67.6	70.9	73.1	76.6	81.4	86.3	63.3	103.9
12.5	88.2	78.5	71.7	71.1	69.2	70.0	73.0	75.6	80.8	85.5	66.1	104.3
16	88.1	80.8	75.4	72.7	68.5	73.0	77.6	79.3	84.8	86.4	74.0	112.6
20	86.7	79.1	72.3	70.0	67.3	68.2	72.6	76.8	82.4	86.7	68.5	108.1
25	87.4	80.9	75.0	71.7	70.3	70.3	76.9	78.3	83.3	88.2	77.8	110.2
32	102.9	101.7	96.2	89.6	90.3	90.8	93.4	93.4	92.3	99.8	101.0	117.6
40	92.0	89.9	84.6	79.1	79.2	80.0	81.9	83.1	84.6	90.5	89.2	109.8
50	85.3	80.6	76.8	71.8	72.1	71.4	73.0	75.5	80.8	86.0	74.4	106.1
63	95.2	91.7	90.5	83.0	84.9	75.3	86.2	91.3	94.4	95.5	88.9	125.9
80	86.8	83.8	82.6	75.7	74.8	68.7	76.5	81.4	84.8	87.4	78.8	104.5
100	96.4	93.1	93.4	80.6	82.4	75.8	77.9	84.9	92.1	98.4	80.8	105.6
125	93.5	92.5	88.6	86.9	83.3	80.8	81.8	89.6	93.0	94.1	86.2	104.7
160	91.6	90.1	90.9	80.7	84.3	81.5	81.1	89.2	92.1	91.2	83.6	102.6
200	88.2	88.4	88.6	85.6	78.2	81.8	84.0	86.8	88.8	90.4	84.0	101.0
250	87.6	88.0	85.2	81.7	79.2	81.4	84.1	88.1	89.8	91.4	83.7	100.7
320	87.8	86.1	85.1	78.7	79.6	82.2	81.6	87.8	91.0	91.5	86.9	102.4
400	87.5	85.9	83.9	82.1	75.6	77.2	84.6	88.7	90.8	90.9	85.3	99.6
500	86.7	84.6	83.3	77.3	76.6	80.2	80.9	87.7	90.4	90.4	83.9	99.6
630	86.0	83.7	82.5	78.3	73.9	76.1	81.2	85.8	87.8	88.8	81.6	98.0
800	86.1	83.7	82.0	78.2	75.5	78.4	79.7	85.8	88.2	88.6	82.9	98.8
1.0k	84.0	82.8	80.4	76.7	73.9	76.7	77.6	82.2	84.3	85.8	82.2	96.6
1.25k	84.7	82.7	80.6	76.0	73.9	75.2	78.3	82.3	83.7	84.6	82.0	95.2
1.6k	83.9	81.8	80.0	76.4	73.6	75.1	77.2	80.6	82.5	82.9	81.4	94.4
2.0k	82.7	81.0	79.5	76.5	73.7	74.0	74.5	79.2	80.5	81.1	81.5	96.3
2.5k	83.3	81.2	78.9	78.7	75.3	74.9	76.4	79.3	80.7	80.8	82.0	96.2
3.2k	84.2	82.5	80.0	80.2	76.1	77.0	78.3	79.9	80.7	81.7	82.9	102.1
4.0k	82.2	80.7	76.9	75.6	72.8	72.5	73.9	76.8	78.1	79.9	80.1	95.7
5.0k	81.7	80.2	74.1	74.2	71.8	70.7	72.5	76.7	78.7	79.5	78.8	96.2
6.3k	80.1	79.8	72.8	74.6	71.4	69.0	71.1	75.2	77.8	78.7	79.0	96.8
8.0k	80.8	79.4	69.7	72.8	69.6	68.0	69.8	74.3	76.3	78.1	78.3	94.4
10.0k	79.0	77.1	68.3	70.9	67.4	64.8	66.1	71.6	72.2	74.1	76.5	94.3
12.5k	72.7	71.2	67.2	65.7	62.8	58.9	62.3	65.7	67.3	68.4	74.0	91.9
16.0k	66.6	65.4	67.2	61.3	55.3	52.1	54.5	62.0	63.2	64.6	70.7	90.2
20.0k	65.2	60.8	58.5	59.1	46.7	44.0	48.3	60.0	61.3	66.0	65.8	87.1
PNLT	110.7	109.0	106.4	105.5	101.9	102.8	104.6	107.2	109.1	110.2	108.6	127.7
LA	95.9	94.1	91.9	89.3	86.2	87.5	89.5	93.9	96.0	96.7	93.5	109.5
SPL	106.4	104.4	101.1	95.4	94.5	94.4	97.1	100.4	102.9	105.9	102.7	121.7

RPM = 497., Collective = 6.0 deg, Blade Pressure Ratio = 1.4

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11	12
5	90.6	81.8	72.5	71.6	69.5	68.6	73.7	75.3	78.4	89.0	53.1	103.8
6.3	89.5	83.1	74.1	73.7	74.5	68.6	74.6	76.2	79.6	90.4	55.8	104.2
8	91.6	83.5	79.9	78.6	78.3	72.0	76.8	77.0	81.9	89.1	66.2	109.8
10	91.7	84.4	75.7	74.9	75.5	72.1	75.9	76.9	81.4	90.5	63.6	109.7
12.5	91.2	82.9	75.1	75.3	77.4	72.5	75.8	77.5	83.4	88.6	66.4	112.3
16	91.5	84.0	76.3	75.5	76.0	72.0	77.8	79.7	84.7	91.6	75.6	114.9
20	91.5	83.9	76.5	74.7	76.0	69.8	76.1	77.1	84.0	90.5	69.8	115.0
25	92.2	86.4	81.1	78.0	78.6	71.6	77.0	79.3	84.7	89.7	79.8	115.1
32	107.3	106.4	101.4	93.2	84.5	92.6	93.1	96.1	98.4	103.8	103.2	119.0
40	96.3	94.4	89.6	81.7	84.2	81.5	81.7	85.3	88.4	94.0	91.2	112.8
50	87.7	81.3	77.3	72.8	77.1	73.3	73.3	76.8	82.1	87.3	74.7	110.6
63	90.4	88.1	87.6	82.4	86.9	74.8	80.4	86.3	92.9	97.3	84.9	113.2
80	87.3	82.2	80.3	74.0	77.7	70.3	75.1	79.2	84.1	88.2	77.9	108.1
100	96.2	92.5	92.5	79.8	82.1	76.6	76.1	83.6	91.0	97.3	79.8	106.0
125	92.0	91.1	87.6	85.9	82.5	75.4	77.8	86.7	89.4	90.4	85.0	105.8
160	90.7	89.3	89.7	80.2	83.8	77.1	79.2	85.3	89.0	89.7	83.4	104.9
200	88.6	88.3	87.0	84.7	77.9	78.2	83.8	84.5	86.8	89.5	80.6	103.6
250	89.1	88.6	85.5	81.9	79.4	79.0	81.0	85.2	87.0	89.6	81.0	102.3
320	88.5	87.4	85.8	78.7	79.9	78.8	79.5	85.7	88.1	89.3	85.4	103.7
400	88.7	87.2	85.2	83.4	76.0	76.1	82.7	86.3	88.0	89.8	83.9	100.6
500	88.5	85.8	84.3	78.4	78.4	78.9	79.0	85.7	89.2	90.5	82.6	101.4
630	87.3	84.3	82.6	78.3	74.4	74.4	79.7	83.8	85.4	87.1	81.1	98.4
800	87.3	84.3	82.1	78.4	75.7	77.6	78.7	84.7	86.5	87.5	82.3	99.2
1.0k	84.9	83.4	81.0	77.1	74.4	75.7	77.3	81.4	83.0	85.3	81.9	97.9
1.25k	85.5	83.4	81.3	77.2	74.5	75.4	78.0	81.5	82.7	84.5	82.4	96.3
1.6k	85.0	82.9	81.0	77.1	74.5	75.0	77.1	80.5	81.7	83.0	81.7	95.6
2.0k	83.4	81.9	80.3	77.0	74.6	74.2	75.2	79.4	80.2	81.1	82.2	96.9
2.5k	83.8	82.2	80.1	79.3	76.6	75.4	77.6	79.9	80.9	81.8	82.9	97.0
3.2k	84.8	83.6	80.9	80.9	77.1	78.2	79.8	80.9	81.6	82.3	84.5	102.1
4.0k	83.2	82.0	78.0	76.3	73.8	73.7	75.5	77.7	78.8	80.7	82.0	96.3
5.0k	82.7	81.3	75.1	74.8	72.7	71.4	70.0	77.5	79.7	80.4	79.5	96.9
6.3k	80.8	80.7	73.9	75.3	72.4	70.8	72.2	76.2	78.9	79.5	79.6	96.8
8.0k	81.8	80.7	71.1	73.6	70.7	69.1	71.2	75.5	77.5	79.2	79.2	95.1
10.0k	80.1	78.5	69.4	71.8	68.4	65.9	67.7	72.8	73.6	75.4	77.5	95.1
12.5k	73.9	73.0	68.4	66.5	64.1	60.2	62.1	67.1	68.9	69.6	74.7	93.3
16.0k	67.9	66.9	68.3	62.0	56.6	53.4	56.2	63.2	65.0	66.2	71.5	91.9
20.0k	66.7	62.5	60.0	60.3	48.2	44.8	48.5	60.8	63.0	67.7	66.6	89.1
PNLT	111.3	109.7	106.9	105.9	103.3	102.9	104.9	106.9	108.6	110.2	109.0	128.3
LA	96.8	95.0	92.5	89.8	87.0	87.0	89.2	92.9	94.7	96.1	93.8	110.3
SPL	109.3	107.7	103.5	96.8	97.2	94.7	96.4	99.9	102.9	107.5	104.2	124.8

RPM = 497., Collective = 6.0 deg, Blade Pressure Ratio = 1.5

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	93.9	85.6	77.1	75.0	72.4	61.6	68.4	70.7	77.8	88.7	55.3	105.8
6.3	95.4	84.8	79.1	76.1	77.3	65.3	69.8	70.8	79.2	90.7	55.8	106.9
8	95.6	86.4	80.6	79.2	79.3	70.9	73.5	74.9	81.2	91.2	65.0	114.6
10	96.4	87.8	78.9	77.5	80.6	69.3	72.6	74.0	82.8	89.9	64.3	112.5
12.5	95.5	86.1	80.0	77.3	81.5	70.4	73.4	74.8	81.5	88.9	68.9	114.5
16	95.3	85.7	79.4	76.5	81.5	73.3	78.4	79.8	84.9	92.2	79.7	116.6
20	94.6	86.0	80.0	77.3	81.1	68.2	72.5	74.3	81.1	90.4	72.9	116.8
25	95.1	88.8	83.4	77.2	81.3	72.1	77.9	78.7	83.6	90.4	80.4	116.3
32	109.7	109.0	104.7	95.8	96.4	93.8	91.7	97.6	101.5	105.9	104.2	121.7
40	99.3	97.2	92.8	84.1	86.0	82.8	82.6	87.0	90.9	95.6	92.2	114.9
50	91.7	84.1	78.7	73.8	79.3	72.9	78.8	76.7	81.3	87.7	78.7	111.8
63	95.5	85.8	82.0	87.7	89.0	76.3	79.8	83.2	90.7	97.6	82.3	117.2
80	90.2	84.3	82.1	77.7	80.3	71.9	74.0	78.6	82.5	89.6	79.7	109.8
100	95.3	92.8	92.8	79.6	82.9	77.5	76.5	84.8	89.5	95.6	82.1	108.1
125	91.9	90.5	87.1	85.0	82.4	78.5	80.0	87.7	88.8	89.3	85.1	107.0
160	92.1	88.9	89.4	79.3	84.2	79.2	82.1	85.7	88.4	89.8	84.2	106.5
200	89.6	87.5	87.5	85.6	79.4	80.7	86.1	86.9	88.1	90.2	82.3	106.2
250	90.1	88.4	85.5	83.2	82.1	82.2	84.0	88.5	89.7	91.2	84.5	104.9
320	90.6	88.4	86.5	79.2	81.0	82.2	83.0	89.1	90.7	91.8	86.7	105.4
400	90.2	88.2	85.9	84.1	77.2	78.5	85.9	89.9	90.7	91.0	85.8	102.9
500	89.5	86.6	85.8	79.6	79.9	82.0	81.5	88.0	90.9	92.8	84.4	103.2
630	88.2	85.0	83.7	79.6	75.4	76.5	81.4	85.8	86.3	88.1	83.6	99.9
800	88.0	84.9	83.2	79.6	77.2	79.7	80.7	85.6	86.8	88.1	84.5	100.8
1.0k	85.9	84.4	82.3	78.6	76.2	77.6	79.2	83.5	83.9	86.0	84.6	99.0
1.25k	86.2	84.2	82.2	78.6	75.9	77.2	79.3	83.4	83.4	85.2	84.9	97.5
1.6k	85.9	83.9	81.9	78.5	75.8	76.4	78.3	82.2	82.7	84.0	83.0	96.8
2.0k	84.3	82.9	81.2	78.4	75.8	75.8	76.4	81.3	81.3	81.9	82.9	97.5
2.5k	84.9	83.2	81.0	80.4	77.7	77.2	78.7	81.8	81.9	82.8	84.7	97.7
3.2k	85.7	84.2	82.0	82.2	78.2	79.8	81.0	82.8	82.6	83.5	86.8	103.4
4.0k	84.3	82.7	79.0	77.4	74.9	75.0	76.7	79.6	79.6	81.8	83.4	96.7
5.0k	83.9	82.1	76.3	76.2	73.9	73.0	75.1	79.3	80.3	81.6	80.8	97.7
6.3k	82.2	81.6	74.9	76.3	73.4	72.3	73.3	78.0	79.6	80.4	81.0	97.9
8.0k	83.1	81.7	72.3	74.6	71.9	70.5	72.5	77.4	78.1	80.1	82.8	96.0
10.0k	81.5	79.3	72.4	72.8	69.4	67.2	68.8	74.7	74.5	76.7	78.9	96.0
12.5k	75.7	74.0	69.4	67.6	65.3	61.5	63.2	69.3	70.1	71.2	76.4	94.4
16.0k	70.1	68.0	69.5	62.9	58.0	54.7	57.2	65.0	64.4	64.1	72.9	93.6
20.0k	68.5	63.8	61.7	60.8	49.8	45.8	50.0	62.4	60.4	69.4	67.8	91.1
PNLT	112.4	110.3	107.7	107.1	104.6	105.0	106.3	108.7	109.5	112.2	110.3	129.9
LA	97.8	95.8	93.5	91.0	88.2	89.0	90.9	95.0	95.9	97.4	95.7	111.6
SPL	111.8	110.0	105.9	98.8	99.1	96.2	96.5	101.4	100.5	108.7	105.3	127.1

RPM = 497., Collective = 6.0 deg, Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	98.8	89.2	79.8	75.9	72.5	73.1	74.8	73.5	81.6	90.1	54.7	102.8
6.3	95.9	89.4	79.0	76.4	76.6	73.6	75.3	73.3	82.5	92.5	57.7	103.5
8	98.3	89.9	81.6	80.1	79.9	74.8	78.2	78.3	83.4	93.0	65.8	119.2
10	98.5	90.7	81.3	78.3	80.1	76.0	77.1	75.9	84.8	92.5	66.4	110.6
12.5	97.8	89.9	81.1	76.9	82.5	75.5	78.0	76.6	84.7	92.0	76.8	105.9
16	98.1	90.1	82.3	78.3	80.0	78.9	83.5	82.7	87.3	91.7	82.7	111.5
20	97.3	90.7	81.2	77.0	79.7	75.6	77.9	78.5	84.9	92.7	75.1	110.3
25	97.3	91.7	85.7	79.3	80.6	75.4	79.0	79.3	85.4	92.9	81.2	111.5
32	111.2	110.5	107.1	98.3	97.5	94.9	90.7	97.3	102.6	106.9	104.9	123.0
40	100.9	99.0	95.3	86.7	86.9	83.9	82.6	86.8	92.8	96.7	93.1	113.0
50	94.2	87.3	81.4	75.2	78.7	73.3	74.1	77.5	82.8	89.7	77.1	107.6
63	102.2	92.2	87.4	91.1	90.8	78.7	79.8	87.6	89.0	98.1	83.8	119.3
80	93.4	85.8	94.4	80.4	80.5	74.3	75.2	81.2	83.6	93.5	82.2	109.4
100	94.5	93.8	93.0	80.6	83.4	76.8	78.4	87.9	90.1	92.9	85.5	106.1
125	94.1	92.2	88.0	84.8	82.4	80.8	81.6	89.1	90.6	92.3	85.2	105.3
160	94.2	91.6	89.9	82.4	84.3	81.2	82.8	88.3	92.7	91.7	84.9	105.4
200	93.3	91.2	89.4	86.6	81.3	84.2	87.7	88.4	89.8	91.8	84.4	106.0
250	94.1	92.3	89.5	86.6	82.7	82.3	84.9	87.6	90.8	93.2	84.9	104.8
320	94.4	93.1	91.4	83.4	84.4	81.6	82.5	88.5	91.2	93.8	87.0	105.8
400	93.6	92.0	91.8	89.1	80.2	77.9	85.5	89.5	91.4	93.1	87.0	103.1
500	92.9	93.9	89.7	83.3	84.0	81.5	82.0	88.6	92.4	94.5	86.1	104.6
630	95.9	88.6	87.2	83.4	78.0	77.5	82.0	86.7	88.2	92.5	85.4	100.2
800	98.5	87.9	86.0	82.2	79.1	82.7	81.6	86.8	88.3	92.3	85.6	101.2
1.0k	88.4	87.3	85.1	81.4	78.2	79.6	80.5	84.8	86.8	87.8	85.7	99.8
1.25k	87.6	86.1	84.8	81.4	78.1	78.3	82.6	84.9	85.4	86.6	86.4	97.5
1.6k	87.3	85.7	83.7	82.4	77.3	76.8	78.9	82.5	84.9	85.3	83.2	97.3
2.0k	85.6	84.2	82.7	79.8	76.9	76.4	77.2	81.8	82.5	83.3	82.7	97.8
2.5k	86.1	84.3	82.1	81.5	78.9	77.9	79.7	82.1	83.4	83.6	85.9	98.3
3.2k	87.0	85.4	83.3	83.3	79.3	80.4	81.7	82.9	83.5	84.6	86.9	100.5
4.0k	85.3	83.8	80.6	78.8	76.0	75.2	77.1	79.7	80.8	82.8	82.4	97.2
5.0k	85.3	83.4	78.1	77.3	75.2	73.8	75.8	79.5	81.4	82.4	81.7	98.3
6.3k	83.7	83.2	77.0	77.5	74.8	73.2	74.3	78.4	80.8	81.6	81.9	98.6
8.0k	85.1	83.0	74.4	75.8	73.3	71.4	73.4	78.0	79.3	81.3	81.6	96.7
10.0k	83.4	82.7	71.5	74.8	72.9	68.4	76.1	75.4	76.8	77.9	79.7	96.9
12.5k	77.5	75.6	70.4	68.8	66.4	62.8	64.6	69.9	71.7	73.8	77.2	95.6
16.0k	72.5	69.5	70.4	63.5	58.7	56.2	58.6	65.5	68.2	69.9	73.8	95.1
20.0k	72.2	65.5	64.2	61.1	53.9	46.5	51.1	63.1	66.5	71.4	68.5	92.8
PNLT	114.4	112.4	109.8	108.9	106.4	105.5	107.1	109.2	110.7	112.4	110.9	130.7
LA	100.8	98.2	96.2	93.2	90.1	89.6	91.6	95.6	97.3	99.0	96.4	112.2
SPL	113.7	111.8	108.3	101.3	100.2	97.4	97.1	101.9	105.7	109.8	106.1	127.0

Ambient March 29, 1982

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	54.2	2.0	43.5	49.2	57.7	64.1	61.3	51.0	52.8	56.6	55.1	53.8
6.3	56.1	0.0	42.4	50.4	50.4	65.9	62.8	52.5	53.3	59.4	56.2	53.3
8	57.3	0.0	42.7	50.4	51.0	67.3	63.5	52.1	53.6	59.8	55.3	54.8
10	59.5	0.0	47.2	51.1	51.1	67.9	63.2	53.4	55.3	59.5	53.6	56.0
12.5	59.4	0.0	45.0	49.3	49.1	67.0	62.0	51.4	54.7	58.2	52.3	54.1
16	57.4	0.0	43.9	47.7	46.6	66.3	61.3	49.9	54.7	57.8	51.6	53.8
20	55.6	0.0	42.8	47.2	47.2	63.8	60.9	49.7	54.0	57.2	50.6	52.5
25	55.4	0.0	42.7	46.0	46.6	62.6	59.7	47.3	51.8	57.2	48.8	50.0
32	53.6	0.0	44.8	45.4	46.4	60.7	57.0	46.9	51.1	55.0	48.0	48.6
40	51.7	0.0	42.0	41.8	42.1	57.9	53.8	44.6	48.8	53.6	45.2	44.9
50	48.7	0.0	39.1	41.3	40.6	54.8	50.6	43.6	46.7	50.8	43.9	42.9
63	47.5	0.0	42.1	41.6	41.3	52.3	48.9	44.1	46.2	50.8	44.5	44.5
80	46.1	0.0	42.1	39.9	39.6	51.2	46.4	43.8	45.8	48.5	46.7	45.9
100	49.7	0.0	45.5	39.3	40.8	49.0	45.0	43.3	44.6	48.0	45.9	45.4
125	64.6	0.0	61.1	49.5	56.3	54.8	52.1	59.5	60.1	61.7	55.8	59.1
160	60.7	0.0	58.7	46.2	54.8	54.3	48.8	59.1	59.9	61.4	49.0	58.6
200	44.7	0.0	47.5	38.7	36.3	45.0	38.8	40.6	41.7	43.5	42.6	42.8
250	51.8	0.0	58.7	50.4	41.9	46.3	41.0	46.7	43.9	45.8	40.9	48.3
320	47.4	0.0	44.2	42.0	39.2	43.6	39.6	39.6	40.4	45.1	42.6	46.8
400	54.5	0.0	47.7	44.0	44.9	45.1	42.6	42.3	45.6	47.3	42.8	47.7
500	49.5	0.0	46.3	41.9	40.8	41.8	37.1	37.7	41.8	43.5	42.5	44.9
630	44.0	0.0	42.3	43.9	39.6	40.2	36.5	37.2	38.7	41.3	43.4	46.1
800	50.2	0.0	46.1	39.4	38.4	41.3	38.2	38.6	41.1	43.8	44.6	45.6
1.0k	45.2	0.0	42.3	37.9	38.0	39.8	35.6	38.4	39.1	42.7	43.8	42.5
1.25k	44.1	0.0	42.3	38.2	37.2	38.5	34.9	36.6	38.0	38.6	40.3	41.1
1.6k	37.6	0.0	37.6	35.1	32.9	36.0	32.6	33.3	34.2	36.0	36.9	37.5
2.0k	35.9	0.0	37.5	32.4	30.9	34.3	35.3	32.0	32.5	35.6	34.6	34.6
2.5k	34.4	0.0	35.6	32.6	30.7	33.2	33.4	30.3	30.5	33.6	33.9	33.6
3.2k	34.3	0.0	36.9	33.5	30.8	33.6	29.5	30.6	30.8	33.2	33.4	33.5
4.0k	31.7	0.0	35.0	30.4	28.0	32.9	27.7	32.9	33.4	32.6	30.2	29.7
5.0k	35.6	0.0	35.5	31.5	28.9	39.0	32.5	37.8	40.9	38.9	32.8	31.5
6.3k	27.0	0.0	31.0	29.2	24.3	28.8	25.3	28.3	25.1	25.8	33.9	28.9
8.0k	25.6	0.0	30.0	28.0	23.4	28.9	24.2	29.1	24.1	24.7	37.8	34.1
10.0k	25.1	0.0	26.9	25.9	23.0	28.9	27.9	29.1	24.0	24.7	35.9	44.1
12.5k	25.2	0.0	27.3	24.3	23.0	29.1	29.7	28.7	23.9	25.1	30.0	27.5
16.0k	25.3	0.0	26.2	23.7	23.0	29.1	28.6	28.1	23.9	24.5	30.3	28.3
20.0k	25.1	0.0	24.9	23.2	23.0	28.0	29.2	27.7	23.9	24.7	25.9	25.6
PNLT	70.5	0.0	70.1	63.0	62.1	65.3	63.3	65.3	66.8	68.2	64.3	67.2
LA	56.9	2.0	55.3	49.6	48.9	53.7	47.2	50.7	51.9	53.4	51.6	53.8
SPL	69.9	2.0	65.3	62.5	62.1	75.6	71.5	64.9	66.5	69.8	64.4	66.1

X-position: Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	42.9	42.5	39.9	41.9	43.3	43.9	38.2	42.9	40.8	44.2	42.7	48.9
6.3	41.7	42.7	39.3	41.6	41.8	42.5	39.3	37.8	38.7	44.9	36.8	49.4
8	44.8	43.8	43.2	44.7	44.9	43.7	43.2	41.5	40.2	42.2	38.6	52.6
10	49.6	46.7	46.6	46.3	48.2	47.8	48.4	45.4	43.8	45.5	41.7	50.7
12.5	51.4	52.2	52.8	51.8	51.6	51.5	50.3	49.6	52.1	54.2	46.3	52.2
16	52.6	51.4	53.5	53.4	51.2	47.5	46.7	46.5	46.1	46.3	42.6	52.9
20	54.9	56.2	58.5	58.2	54.8	46.8	46.1	48.3	48.3	47.7	43.4	53.7
25	56.4	56.6	56.2	56.7	54.7	51.5	52.9	53.2	48.6	50.7	47.2	54.8
32	62.9	63.2	58.9	61.5	59.2	56.7	56.5	56.2	52.3	52.1	51.2	55.8
4.	65.3	62.6	63.9	64.8	59.6	62.4	63.3	59.8	60.3	58.6	58.1	59.2
5.	65.6	62.5	62.8	61.4	58.8	59.5	62.5	58.5	59.6	60.6	56.9	58.5
63	62.8	59.6	57.3	55.5	54.8	54.6	58.4	56.2	56.5	55.9	52.3	61.2
80	67.9	65.1	66.2	62.7	59.5	59.2	57.9	60.4	62.9	58.6	63.5	63.1
100	68.8	65.4	65.2	62.9	59.7	61.5	58.1	61.2	62.2	60.6	61.9	61.4
125	70.7	66.9	65.7	62.4	60.7	58.4	59.3	63.8	63.8	63.9	59.5	63.5
160	69.4	66.8	66.3	58.2	57.5	57.1	59.2	63.9	60.3	64.7	59.6	64.3
200	68.3	67.9	66.8	57.4	56.2	56.9	58.2	61.5	63.2	63.5	58.5	75.4
250	65.4	64.9	64.9	56.8	5 .5	55.2	56.8	58.1	60.2	61.1	55.2	69.2
320	64.8	64.9	65.7	61.1	57.2	56.7	56.5	58.8	60.7	61.5	56.9	71.1
400	65.5	63.9	62.5	61.4	57.1	55.1	57.9	57.5	59.2	60.3	55.7	71.2
500	67.3	62.9	63.2	60.3	59.1	54.7	56.7	58.1	59.3	65.2	58.5	74.8
630	66.5	65.4	66.2	61.4	62.3	58.8	57.6	62.2	61.4	64.2	63.2	74.9
800	65.9	65.2	63.7	62.6	58.6	55.8	56.7	58.5	60.1	59.9	59.9	73.8
1.0k	63.8	63.4	62.7	57.9	56.1	53.5	55.3	57.6	59.2	2.2	58.1	73.6
1.25k	68.4	66.4	66.3	61.5	57.5	57.5	60.3	63.3	62.2	62.2	64.3	75.2
1.6k	69.7	66.7	67.7	63.2	62.5	57.3	57.7	62.7	64.2	63.3	65.5	75.8
2.0k	72.1	69.2	69.2	65.3	63.1	62.7	61.5	65.2	67.1	68.8	67.3	79.9
2.5k	75.2	72.6	71.9	69.9	67.5	63.6	64.1	65.7	68.7	72.3	72.2	83.1
3.2k	74.6	72.7	72.8	68.7	67.2	64.8	64.6	66.7	69.4	72.3	72.9	83.2
4.0k	72.6	72.4	69.2	65.5	63.7	61.1	62.2	64.8	69.5	72.1	68.7	81.7
5.0k	72.7	72.4	66.9	64.9	62.5	60.1	62.2	62.5	66.2	66.5	68.6	81.2
6.3k	66.8	69.9	67.1	64.6	62.1	59.2	62.2	61.8	64.4	64.2	68.4	82.1
8.0k	63.6	67.3	65.8	64.6	62.7	59.2	59.9	60.2	61.8	62.3	68.1	83.1
10.0k	65.4	63.4	61.7	61.9	58.3	55.2	55.9	55.4	56.7	58.8	66.7	82.9
12.5k	68.7	62.2	57.9	57.1	54.2	48.3	51.5	51.3	56.5	57.6	62.9	81.7
16.0k	65.1	60.1	51.7	50.9	45.9	43.8	45.4	47.2	56.2	60.2	58.8	80.7
20.0k	58.1	56.2	45.8	42.3	36.2	31.7	38.8	43.5	52.5	54.4	51.2	78.2
PWLT	96.7	95.2	93.8	91.2	90.2	86.6	88.2	90.5	91.6	92.8	94.3	106.9
LA	82.6	80.9	79.7	76.9	74.8	72.1	72.5	75.2	77.6	78.5	79.5	92.3
SPL	83.5	81.6	80.6	77.8	75.5	73.5	74.1	76.1	78.1	78.9	79.5	92.9

Repeat X-position: Blade Pressure Ratio = 1.2

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	41.7	38.8	39.9	50.7	44.3	46.1	0.0	42.8	51.8	44.6	44.0	53.3
6.3	38.9	37.0	38.8	48.7	43.6	46.0	0.0	40.1	51.8	42.7	40.2	54.0
8	40.8	39.5	41.2	49.8	45.5	46.1	0.0	40.7	52.2	42.7	42.1	55.3
10	45.6	45.1	45.2	50.2	46.8	47.5	0.0	45.0	51.1	46.3	43.7	54.4
12.5	48.2	50.4	48.4	52.3	50.0	50.3	0.0	49.8	52.5	53.0	45.5	55.0
16	45.0	44.8	45.2	49.7	44.8	46.1	0.0	43.6	48.8	44.5	41.3	55.8
20	47.9	47.1	45.8	48.4	44.2	44.5	0.0	45.4	48.7	47.4	43.3	57.8
25	52.0	51.1	52.4	49.3	48.6	46.4	0.0	50.2	49.7	52.3	50.1	60.5
32	51.5	51.3	50.4	49.3	48.4	46.1	0.0	48.6	49.4	51.9	47.9	61.0
40	53.0	50.9	49.4	47.6	46.5	48.0	0.0	48.5	49.3	53.6	50.0	62.6
50	56.3	54.5	52.3	48.6	48.8	49.6	0.0	53.0	54.4	69.9	56.5	67.4
63	57.1	54.2	51.9	51.1	46.8	46.2	0.0	53.7	54.5	83.8	55.8	70.2
80	56.3	54.3	54.2	48.4	47.9	48.8	0.0	55.4	54.6	61.2	56.2	68.5
100	56.2	54.9	53.4	48.7	46.4	46.5	0.0	53.5	53.4	57.6	55.0	65.7
125	66.1	65.7	62.4	57.3	54.2	52.0	0.0	61.9	59.6	63.5	59.4	67.6
160	63.2	61.7	61.7	54.0	53.6	50.0	0.0	61.3	60.2	64.3	58.6	72.3
200	64.1	60.9	59.2	57.9	53.8	55.7	0.0	61.0	59.9	64.8	62.3	80.5
250	63.9	61.5	61.0	59.1	55.9	56.9	0.0	60.5	61.4	63.1	61.0	79.3
320	62.7	61.1	59.2	53.5	53.9	54.0	0.0	61.5	60.4	62.4	61.5	75.7
400	65.5	63.3	63.2	62.6	56.5	56.5	0.0	64.0	64.1	64.6	65.5	76.5
500	69.6	67.9	68.5	65.4	67.5	61.8	0.0	67.6	67.2	70.7	68.5	84.6
630	71.8	70.3	71.2	67.7	66.8	63.4	0.0	70.9	69.2	71.3	70.2	84.0
800	72.6	70.6	71.0	70.6	66.3	67.2	0.0	65.4	66.9	70.4	69.7	86.3
1.0k	68.1	70.9	67.1	66.1	64.3	62.9	0.0	65.3	63.3	66.4	69.3	82.2
1.25k	73.9	73.2	74.5	72.2	68.8	68.4	0.0	69.4	69.0	71.0	74.2	86.3
1.6k	74.0	74.0	74.8	71.6	68.9	66.4	0.0	69.8	69.0	71.1	76.0	87.3
2.0k	77.1	76.1	76.3	72.5	70.5	69.0	0.0	71.7	70.4	74.3	77.3	91.8
2.5k	78.3	78.0	77.2	75.2	73.2	68.9	0.0	72.1	71.7	74.4	79.5	91.4
3.2k	80.1	78.5	77.7	76.2	73.4	71.4	0.0	72.7	72.5	76.1	79.1	94.6
4.0k	78.3	77.9	77.0	74.2	70.4	67.8	0.0	70.9	71.2	74.5	77.1	91.7
5.0k	77.0	76.9	74.4	72.1	69.9	67.0	0.0	69.8	69.6	72.5	76.7	92.7
6.3k	73.1	76.1	74.0	72.2	69.9	66.8	0.0	69.9	68.3	70.2	76.9	93.0
8.0k	72.1	74.0	72.5	71.3	68.6	64.8	0.0	68.3	66.1	68.5	75.3	92.9
10.0k	70.2	70.3	69.3	68.5	65.4	61.7	0.0	63.4	59.2	65.2	73.5	91.0
12.5k	66.5	64.4	63.5	62.9	60.7	55.4	0.0	56.9	51.8	63.3	69.1	88.5
16.0k	65.3	64.6	58.5	55.6	52.3	49.0	0.0	51.3	51.7	63.6	64.0	85.4
20.0k	61.9	58.7	54.6	52.0	47.3	47.5	0.0	49.9	48.6	58.3	57.7	81.8
PNLT	102.3	101.6	100.8	98.7	96.9	94.0	0.0	96.6	94.7	98.3	101.0	117.5
LA	87.6	87.2	86.5	84.2	81.6	79.2	0.0	81.7	81.1	84.2	87.9	102.6
SPL	87.1	86.7	86.0	83.7	81.2	78.7	0.0	81.6	81.0	87.0	87.4	102.6

X-position: Blade Pressure Ratio = 1.4

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	41.7	40.6	40.7	42.4	42.1	38.3	38.6	40.3	42.3	41.3	42.2	28.3
6.3	41.6	40.5	40.6	41.4	40.5	40.3	38.5	39.5	38.6	37.6	38.3	28.3
8	46.4	44.5	44.5	44.1	43.8	41.9	42.0	46.5	40.8	41.1	40.7	28.9
10	49.4	46.8	46.5	46.7	47.7	47.0	47.4	49.7	44.4	44.4	42.8	28.9
12.5	51.3	51.2	50.2	52.1	50.9	51.3	50.6	50.7	52.3	53.9	46.3	30.1
16	49.9	51.0	53.0	53.0	51.1	46.9	46.3	48.8	45.8	45.8	42.0	31.1
20	55.0	55.6	58.3	58.1	55.0	47.1	49.4	50.7	49.9	48.3	43.7	34.9
25	57.1	56.9	55.7	57.0	55.0	51.7	54.2	53.0	49.6	52.5	47.4	37.4
32	63.5	63.2	59.7	61.8	59.2	57.1	56.6	55.6	52.9	53.2	51.3	40.1
40	65.7	63.1	65.2	65.5	60.2	63.1	64.0	60.4	61.3	59.8	59.3	44.8
50	65.5	62.1	60.8	61.6	58.7	59.5	62.7	58.6	60.0	61.4	57.2	42.5
63	63.3	60.2	57.4	55.9	54.9	55.3	58.3	56.9	57.2	57.1	52.8	46.3
80	67.3	64.6	64.9	61.7	57.9	58.1	57.2	59.6	60.0	58.4	60.8	47.2
100	69.5	65.9	64.8	62.9	59.2	62.3	58.1	61.4	62.3	61.1	60.5	44.7
125	70.6	67.3	65.5	60.6	60.6	58.5	59.5	63.3	63.4	64.1	62.0	50.4
160	69.6	66.6	66.3	58.1	57.7	57.6	59.4	63.8	64.6	65.3	62.2	50.5
200	68.3	68.1	66.8	57.5	56.7	58.6	59.3	62.4	64.1	64.3	59.2	60.6
250	65.9	64.9	65.5	57.8	56.8	56.3	57.4	59.2	61.3	62.1	56.0	54.0
320	64.8	65.4	66.1	61.3	59.4	56.6	57.2	59.4	61.8	61.9	56.8	56.1
400	65.1	64.7	63.7	61.9	57.4	55.4	58.3	58.8	61.3	61.5	57.7	57.4
500	69.5	65.7	64.8	61.3	61.4	56.8	58.4	60.2	62.1	66.7	61.1	59.4
630	70.1	67.5	68.7	63.4	63.7	58.3	59.7	64.8	65.2	67.3	64.5	60.5
800	70.5	69.6	67.3	64.2	62.4	60.4	61.4	62.8	64.0	65.4	63.8	60.2
1.0k	70.8	69.5	65.7	64.1	61.5	59.3	62.3	65.1	65.1	64.9	66.4	62.4
1.25k	74.7	73.9	72.3	67.3	62.3	64.0	68.5	70.9	70.3	68.9	70.6	63.4
1.6k	74.6	71.6	73.4	66.6	64.2	62.5	64.7	69.0	69.6	69.1	71.0	65.6
2.0k	76.5	73.2	74.3	69.8	68.5	64.8	64.4	69.2	71.1	73.2	71.3	67.6
2.5k	77.6	74.6	73.9	72.3	70.6	66.4	67.1	69.4	72.3	74.1	74.5	69.8
3.2k	79.6	76.9	75.9	73.8	71.8	68.7	69.1	71.7	74.8	75.0	74.8	71.4
4.0k	78.4	75.9	75.1	70.9	69.2	66.5	67.3	72.4	74.5	75.6	73.4	70.2
5.0k	76.9	76.1	73.2	70.7	68.2	65.4	65.8	68.8	72.1	72.6	74.1	69.4
6.3k	71.8	75.4	73.2	70.5	67.9	64.4	65.7	67.8	70.5	70.3	73.8	70.2
8.0k	69.6	72.7	71.6	70.0	66.4	62.8	64.3	66.1	67.7	68.2	73.5	71.1
10.0k	71.4	69.0	67.5	67.4	63.8	59.6	61.2	61.2	62.9	64.6	72.1	70.8
12.5k	74.2	65.6	63.5	62.4	59.4	53.5	56.0	57.0	63.2	63.4	68.6	69.4
16.0k	71.1	65.4	57.4	55.9	51.7	46.0	50.2	53.4	62.8	67.0	64.2	67.9
20.0k	64.3	61.7	52.0	47.6	42.0	36.1	42.5	50.1	57.3	61.0	56.8	64.4
PNLT	101.2	100.4	98.3	95.3	93.2	91.4	92.9	95.2	96.4	97.2	98.4	94.6
LA	87.4	85.5	84.5	81.4	79.2	76.2	77.4	80.3	82.7	83.4	83.9	80.2
SPL	87.5	85.5	84.5	81.4	79.2	76.6	77.8	80.3	82.5	83.3	83.8	80.6

X-position; Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	43.0	41.2	40.9	41.2	45.0	38.6	38.7	41.5	43.0	43.3	43.6	50.3
6.3	41.1	39.6	40.2	39.0	43.0	37.8	38.3	42.0	38.1	36.9	37.5	50.4
8	45.3	44.0	43.9	43.2	45.7	42.3	42.4	47.0	39.9	40.3	39.9	50.6
10	48.3	46.8	46.7	44.5	48.3	46.4	47.7	49.3	43.7	45.4	41.6	50.8
12.5	51.0	51.1	50.8	51.0	51.3	51.0	52.1	51.8	51.4	53.3	45.1	52.0
16	53.7	52.2	53.7	53.2	51.4	47.7	47.5	52.1	46.2	45.8	43.0	53.5
20	56.1	57.2	59.5	59.2	56.3	47.2	49.9	49.4	49.7	49.4	44.3	58.1
25	58.0	57.3	56.3	57.7	55.9	52.3	54.3	52.5	52.2	52.8	49.0	61.9
32	63.9	63.5	59.3	61.3	59.1	57.2	56.1	55.7	53.3	53.7	51.5	64.2
40	65.1	62.4	64.3	64.3	59.4	62.0	62.8	59.6	60.1	59.3	58.7	66.6
50	66.4	62.9	61.0	61.5	58.9	60.2	63.1	59.2	60.5	61.5	58.2	66.3
63	63.9	60.7	58.1	56.0	55.3	55.2	58.8	57.0	57.5	58.1	53.5	69.5
80	67.4	64.4	64.9	61.6	58.2	57.9	57.2	59.6	59.9	59.3	61.1	70.3
100	72.6	66.4	65.5	62.9	60.3	63.2	58.7	63.2	63.5	62.3	61.0	70.1
125	70.8	67.6	65.8	60.7	61.2	58.9	59.4	63.9	63.8	64.5	60.6	71.6
160	72.1	67.6	66.6	59.1	58.3	57.9	60.2	64.4	65.0	65.6	61.1	72.9
200	68.5	68.3	66.7	58.1	56.9	58.6	62.0	63.1	64.9	65.2	60.7	81.1
250	66.6	65.4	65.9	58.3	57.5	56.7	58.2	60.2	62.4	63.2	57.3	75.7
320	65.9	66.1	66.7	61.8	59.8	57.4	59.7	61.5	64.1	64.0	59.8	77.9
400	67.1	66.2	65.9	64.9	58.7	56.7	61.0	61.7	63.9	65.1	60.7	78.3
500	71.0	67.5	67.2	63.1	63.5	59.5	60.4	63.1	64.7	69.0	63.2	82.1
630	72.1	69.4	70.0	66.7	65.1	60.9	63.3	67.1	68.5	72.0	68.2	83.1
800	74.7	72.6	72.9	68.3	64.7	64.3	66.2	68.1	69.6	71.2	67.5	83.9
1.0k	75.6	73.7	71.7	68.8	65.1	63.8	64.6	69.7	70.9	72.3	71.1	86.4
1.25k	79.2	78.6	76.6	71.0	66.2	67.4	72.7	74.7	75.4	73.8	74.0	87.5
1.6k	79.9	78.3	77.7	72.4	67.9	68.3	69.2	74.2	75.3	75.0	75.6	90.7
2.0k	80.1	76.1	78.0	73.5	70.7	69.1	68.1	73.8	74.8	77.1	74.8	92.0
2.5k	81.2	78.2	77.3	76.2	73.2	70.8	71.0	73.7	75.6	77.1	78.1	93.5
3.2k	83.3	82.1	78.9	77.6	74.3	72.6	73.6	76.0	78.6	78.8	78.3	95.6
4.0k	81.5	79.2	78.4	74.3	71.8	69.2	70.3	74.3	77.7	78.4	76.0	93.9
5.0k	81.4	80.6	77.6	75.1	71.4	68.6	69.6	73.1	76.0	76.5	76.8	94.4
6.3k	75.1	78.5	76.2	73.6	70.6	67.9	69.1	72.1	74.3	74.7	76.7	95.0
8.0k	72.5	75.5	74.3	72.9	69.1	66.5	68.1	70.3	71.5	72.7	76.8	96.2
10.0k	74.2	71.4	69.8	72.0	66.5	63.0	66.5	64.9	66.5	69.1	75.3	96.3
12.5k	77.2	68.4	65.5	65.3	61.9	56.9	59.4	62.9	66.9	67.9	72.0	95.8
16.0k	74.1	68.4	59.5	58.7	54.1	52.2	54.1	58.8	67.9	71.8	68.4	94.9
20.0k	67.6	64.8	55.3	52.6	44.5	48.2	46.9	55.8	62.9	66.4	62.0	91.7
PNLT	104.7	102.4	101.3	98.9	95.7	93.9	95.0	97.9	100.1	100.6	100.2	118.6
LA	91.2	89.2	88.1	85.2	81.9	80.1	81.1	84.6	86.6	87.2	87.2	104.8
SPL	90.9	89.0	87.7	84.9	81.7	79.9	81.0	84.2	86.2	86.9	87.0	105.5

Repeat X-position: Blade Pressure Ratio = 1.6

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	41.7	40.4	38.0	42.6	42.8	42.5	0.0	41.2	53.8	44.0	45.9	54.1
6.3	36.8	38.8	38.2	40.5	39.9	41.2	0.0	40.2	51.8	39.4	43.0	54.0
8	41.0	40.7	40.3	40.8	40.5	42.3	0.0	40.5	51.5	41.4	42.8	54.3
10	46.6	45.2	45.3	45.4	46.1	46.4	0.0	46.1	51.2	44.6	43.3	54.2
12.5	48.7	49.5	48.0	49.9	48.6	49.3	0.0	50.3	51.3	52.9	45.5	54.2
16	45.7	45.2	44.2	44.3	44.9	44.7	0.0	46.0	47.7	44.1	43.8	54.1
20	47.7	46.8	45.8	44.4	44.7	43.2	0.0	46.8	47.9	47.7	46.6	56.4
25	51.8	50.5	49.9	47.9	48.3	47.0	0.0	50.5	49.5	53.0	50.3	60.0
32	54.4	53.5	52.1	49.7	49.5	49.3	0.0	51.8	51.8	54.9	51.2	60.5
40	55.9	54.1	52.8	48.1	49.7	52.0	0.0	52.1	52.6	55.9	53.3	65.1
50	58.7	57.8	57.1	53.7	53.5	53.4	0.0	57.4	57.3	69.7	57.6	67.3
63	70.3	69.5	69.5	66.7	65.4	64.6	0.0	70.8	69.1	83.8	66.3	72.8
80	64.1	63.5	62.5	58.9	57.4	60.5	0.0	64.8	63.7	64.6	62.2	71.8
100	61.2	60.2	59.1	53.8	51.1	54.2	0.0	59.9	59.8	63.6	60.3	71.7
125	68.4	67.7	64.7	60.7	56.9	58.9	0.0	65.2	63.7	65.9	64.3	73.4
160	67.4	66.0	65.2	59.7	58.0	59.0	0.0	65.8	65.2	67.7	64.8	77.4
200	70.5	69.4	67.3	63.9	62.0	64.0	0.0	67.2	67.3	68.9	68.6	85.5
250	72.3	70.9	68.6	66.6	65.2	65.5	0.0	68.7	68.3	69.9	68.4	82.4
320	72.5	71.3	68.7	63.1	65.3	63.0	0.0	70.9	70.1	70.4	69.7	83.1
400	72.7	70.8	69.9	70.4	63.8	64.1	0.0	71.5	71.0	71.8	70.8	83.9
500	74.1	73.5	72.6	69.6	73.0	69.2	0.0	73.0	72.6	75.0	72.1	87.4
630	75.6	74.5	74.5	72.6	71.4	68.3	0.0	74.1	72.8	74.6	72.4	89.0
800	77.4	75.9	76.1	75.8	73.3	72.7	0.0	73.5	72.9	75.4	73.7	91.7
1.0k	75.8	75.9	75.2	73.4	72.5	72.2	0.0	73.1	71.0	73.0	74.4	90.7
1.25k	77.9	79.1	79.6	77.6	75.2	73.8	0.0	75.1	74.7	75.4	76.8	91.3
1.6k	78.9	79.5	80.2	77.1	74.7	75.1	0.0	77.1	75.1	76.2	79.1	93.7
2.0k	79.6	79.2	79.9	77.4	75.9	73.7	0.0	75.9	75.0	77.5	79.1	97.2
2.5k	81.6	81.6	81.1	79.3	78.5	73.6	0.0	75.8	75.3	78.4	81.4	97.0
3.2k	82.9	83.0	82.2	81.2	78.9	74.5	0.0	76.8	76.3	79.7	80.8	99.8
4.0k	80.7	82.2	80.7	78.4	75.6	71.8	0.0	74.5	74.4	77.7	78.9	96.4
5.0k	80.2	81.0	78.3	76.0	74.8	70.4	0.0	73.6	72.8	75.7	78.7	96.7
6.3k	76.8	80.2	77.8	76.4	74.3	69.8	0.0	73.2	71.5	73.8	78.8	97.4
8.0k	75.9	78.5	76.7	76.0	73.8	68.4	0.0	72.0	69.7	72.5	78.2	97.6
10.0k	74.0	75.8	73.7	73.8	71.0	65.8	0.0	67.5	63.3	69.6	76.9	96.6
12.5k	70.1	69.8	67.7	68.1	66.0	59.8	0.0	60.9	56.4	67.7	72.3	95.2
16.0k	69.7	71.6	64.1	61.7	58.0	54.5	0.0	56.1	56.9	68.9	68.8	93.7
20.0k	65.5	65.6	60.7	58.1	52.9	53.4	0.0	54.9	53.7	63.7	62.1	90.1
PNLT	105.4	105.8	104.1	103.3	102.3	98.1	0.0	99.9	99.1	102.1	103.1	122.2
LA	90.9	91.5	90.8	89.0	87.1	84.1	0.0	86.4	85.5	88.0	90.1	107.7
SPL	90.7	91.2	90.3	88.6	86.8	83.9	0.0	86.6	85.6	89.5	89.9	107.8

X-position: Blade Pressure Ratio = 1.8

Hz / Microphone Number	1	2	3	4	5	6	7	8	9	10	11	12
5	43.8	40.2	40.3	39.0	41.8	38.1	40.8	43.1	43.5	43.6	42.4	55.3
6.3	41.9	39.7	40.1	37.9	40.0	38.3	41.2	43.1	41.8	41.6	37.1	55.5
8	46.1	43.5	43.0	42.5	44.3	40.3	44.0	43.6	42.2	43.5	40.6	55.6
10	50.3	47.8	47.3	45.5	47.7	45.5	48.5	45.0	44.7	45.7	43.1	55.8
12.5	51.6	51.3	50.2	51.2	50.8	51.4	50.7	51.4	51.5	53.6	45.4	56.5
16	51.0	50.8	52.9	52.6	50.5	47.4	47.5	52.1	46.3	46.9	42.9	57.1
20	56.0	57.1	59.7	59.0	55.2	47.3	50.9	49.8	51.0	49.7	45.4	60.2
25	58.3	57.7	56.4	57.6	55.2	51.3	54.6	52.9	53.7	53.7	49.3	63.9
32	64.1	63.7	60.1	61.9	59.3	56.7	57.2	56.2	54.3	55.7	52.3	66.5
40	66.3	62.4	64.8	64.7	59.2	62.6	63.8	61.2	61.5	61.2	59.3	69.5
50	66.2	62.9	62.0	62.3	58.9	60.0	63.0	59.5	61.5	63.4	58.6	69.5
63	64.8	61.5	58.9	57.2	55.7	55.3	59.5	58.0	59.3	60.8	55.1	72.8
80	68.3	65.2	65.7	62.3	58.7	58.5	58.3	60.9	61.6	61.8	62.0	73.2
100	69.5	66.1	65.3	62.7	59.5	62.6	59.1	62.5	63.6	63.6	61.4	72.7
125	71.6	68.0	66.5	61.7	61.3	59.2	60.7	65.0	64.8	65.9	61.7	76.3
160	72.2	68.6	67.5	60.6	59.3	58.8	61.5	65.7	66.1	67.3	62.9	78.1
200	71.0	69.5	68.2	61.1	58.6	60.6	63.3	65.4	67.3	67.4	64.1	83.0
250	68.6	67.6	67.5	61.5	60.3	59.8	60.7	63.8	65.7	66.6	61.0	78.7
320	68.0	67.8	68.3	62.9	61.2	59.1	62.3	64.5	66.6	66.6	61.6	79.8
400	69.3	68.1	69.0	67.3	60.3	57.7	63.9	64.4	66.6	67.3	62.6	79.8
500	73.4	69.8	70.9	65.8	66.2	61.3	63.6	66.3	67.8	71.1	65.3	84.6
630	74.3	71.9	73.1	69.2	67.4	62.7	67.4	69.7	70.9	73.3	69.6	86.0
800	78.8	76.0	74.9	71.9	67.8	67.7	72.2	72.8	75.6	77.8	71.6	90.5
1.0k	80.7	78.3	75.5	71.6	68.1	67.6	70.6	73.5	74.7	76.0	73.5	88.4
1.25k	82.3	82.2	79.7	73.1	68.8	70.6	73.3	76.8	78.9	77.4	75.8	90.4
1.6k	84.1	83.0	82.0	75.2	72.0	72.0	73.1	77.5	79.4	79.8	78.6	93.9
2.0k	83.4	80.9	82.0	76.7	74.6	72.6	72.1	77.4	78.5	80.4	77.8	95.2
2.5k	84.9	82.0	81.4	79.0	76.5	73.4	75.2	77.2	79.1	80.3	80.7	97.0
3.2k	86.6	84.0	82.3	80.3	77.1	75.0	77.7	79.5	81.4	82.3	81.0	99.0
4.0k	84.7	82.6	81.2	76.7	74.4	72.2	73.8	77.1	80.1	81.5	78.7	97.3
5.0k	85.6	84.2	80.8	77.6	74.4	71.1	73.2	75.9	78.9	80.4	79.8	98.6
6.3k	78.7	81.5	79.2	75.9	73.5	70.4	72.7	75.0	77.6	78.5	79.5	99.3
8.0k	76.4	78.5	77.1	75.5	71.8	68.7	71.5	73.0	74.6	76.9	79.2	100.8
10.0k	77.8	74.1	72.3	72.2	69.1	65.6	68.3	68.5	69.8	73.6	78.2	101.2
12.5k	80.1	70.8	67.6	67.9	64.5	59.1	63.5	64.6	70.7	72.6	74.5	101.0
16.0k	77.7	71.1	62.4	61.5	56.6	52.5	58.3	63.1	72.1	76.7	71.0	100.5
20.0k	70.7	67.4	58.2	53.4	47.4	42.3	51.1	60.3	67.2	71.3	65.1	97.8
PNLT	108.7	106.0	104.5	101.5	98.5	96.5	99.9	101.2	103.1	105.2	102.9	122.1
LA	94.8	93.0	91.6	87.9	85.0	82.9	84.9	87.8	89.8	90.9	89.9	108.8
SPL	94.4	92.5	91.1	87.5	84.6	82.5	84.6	87.3	89.4	90.6	89.7	110.0

X-position: Blade Pressure Ratio = 2.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	44.3	43.0	43.1	41.6	42.3	40.8	41.5	45.7	42.6	44.1	43.8	55.3
6.3	44.0	42.9	43.4	41.4	38.5	41.4	40.8	50.8	40.9	42.6	41.2	56.5
8	46.5	45.1	45.1	44.3	43.1	43.4	43.6	46.1	41.6	45.1	42.5	56.8
10	49.9	47.5	48.2	45.3	47.0	47.0	48.6	48.6	43.9	47.5	44.3	57.6
12.5	52.1	52.2	50.5	51.8	51.0	51.3	50.8	52.0	52.6	54.6	46.8	58.2
16	51.4	52.0	53.8	52.8	50.5	47.4	47.5	47.9	47.1	48.5	44.6	60.2
20	55.8	57.2	59.1	58.8	55.2	47.0	50.3	50.0	51.2	51.4	45.2	62.5
25	58.4	57.6	56.8	58.2	55.9	51.4	54.8	52.8	52.0	55.0	50.8	65.4
32	64.3	63.6	59.9	62.2	59.6	56.9	56.4	56.2	55.3	57.4	52.9	68.6
40	67.0	63.6	65.7	65.6	60.1	62.9	60.2	62.0	62.4	62.0	59.9	71.0
50	67.6	64.3	61.8	61.8	59.3	59.5	62.6	59.6	61.6	63.7	59.7	71.9
63	65.9	61.8	59.2	57.1	55.9	55.1	59.3	58.9	60.1	62.6	57.4	75.1
80	69.5	66.6	66.6	63.2	58.5	59.7	58.4	61.8	62.5	62.9	63.2	75.3
100	70.6	67.5	66.3	63.5	59.7	61.9	58.5	62.6	63.8	64.0	62.6	74.5
125	71.6	68.9	66.8	62.3	61.8	59.3	60.2	64.3	64.5	65.6	61.9	76.7
160	71.6	68.7	68.2	61.6	60.5	59.5	61.3	65.3	65.9	67.2	63.2	79.3
200	70.9	69.9	68.3	62.2	59.9	60.0	63.5	65.3	66.7	67.7	64.0	83.8
250	71.2	70.8	70.7	66.3	63.3	61.9	63.1	66.2	68.0	68.1	63.5	80.3
320	70.2	70.2	71.0	65.9	63.0	61.2	63.2	66.9	68.3	68.3	64.7	80.9
400	71.2	70.3	71.8	69.4	62.0	59.5	65.1	66.6	68.2	68.8	65.1	81.0
500	75.7	71.8	74.3	68.6	67.5	63.8	65.3	69.2	70.1	72.7	68.3	85.8
630	76.9	74.7	76.5	72.3	69.2	65.3	69.7	72.6	73.7	75.6	72.3	88.3
800	85.6	82.6	81.6	76.7	72.2	71.6	74.9	77.2	79.6	81.3	76.1	95.0
1.0k	86.6	82.7	80.3	75.6	72.3	72.9	75.7	79.1	79.6	81.7	78.2	93.5
1.25k	88.0	86.7	84.7	76.9	73.4	75.0	77.1	81.8	83.4	82.6	80.2	95.0
1.6k	87.4	87.1	86.1	78.3	75.3	75.3	75.9	81.1	83.0	82.3	82.0	96.8
2.0k	86.2	84.3	85.8	79.8	77.6	75.3	75.3	80.9	81.7	82.8	81.1	98.0
2.5k	88.5	85.5	85.7	82.3	79.9	76.4	78.4	81.2	82.6	84.2	83.6	100.5
3.2k	90.6	87.2	86.4	83.6	80.6	78.5	80.9	83.5	84.8	86.3	83.9	102.7
4.0k	88.4	85.7	84.8	79.7	77.1	75.4	77.1	80.8	83.3	85.0	81.7	101.0
5.0k	87.8	86.0	83.3	80.0	76.8	74.3	76.3	79.5	82.1	84.3	82.3	102.6
6.3k	82.3	84.6	82.3	78.8	76.1	73.8	76.0	78.8	80.9	82.2	82.3	103.2
8.0k	80.0	81.5	80.3	78.4	74.4	72.4	74.9	76.8	77.8	81.0	82.2	105.1
10.0k	81.5	76.8	75.0	74.6	71.3	69.8	71.4	71.9	73.3	77.9	80.6	105.5
12.5k	83.8	73.6	72.1	69.9	66.5	63.4	67.0	68.3	75.5	77.1	78.4	105.5
16.0k	81.7	74.2	65.1	64.8	59.4	57.1	62.2	67.3	76.9	81.4	75.2	105.2
20.0k	75.0	70.5	61.5	57.0	56.2	47.0	55.7	64.6	71.3	76.1	69.1	102.6
PNLT	112.9	110.5	109.4	104.6	101.6	99.7	102.9	104.9	105.4	107.8	105.9	126.8
LA	98.6	96.5	95.6	91.0	88.2	86.3	88.2	91.7	93.4	94.7	93.0	112.7
SPL	98.2	95.9	95.0	90.5	87.6	85.8	87.8	91.2	93.0	94.5	92.8	114.1

Repeat X-position: Blade Pressure Ratio = 2.0

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	42.3	41.4	41.3	40.1	43.8	40.9	0.0	42.5	54.0	45.8	72.4	58.9
6.3	39.9	40.4	40.5	38.8	42.8	39.5	0.0	41.0	52.4	44.8	73.3	58.8
8	40.8	41.1	41.9	39.5	39.3	40.5	0.0	41.7	52.4	45.7	74.7	59.7
10	47.3	45.5	45.8	43.0	45.7	46.0	0.0	45.2	50.8	47.5	73.9	60.3
12.5	48.9	50.1	48.2	49.3	48.8	49.1	0.0	49.3	51.5	52.8	72.2	59.8
16	47.9	48.2	47.7	45.8	44.2	45.9	0.0	45.6	48.7	48.4	70.6	60.5
20	50.1	49.0	48.2	46.3	45.1	45.2	0.0	48.5	50.9	52.2	69.8	62.4
25	55.0	52.9	51.6	51.6	49.5	48.2	0.0	51.4	51.7	55.7	67.8	65.6
32	56.5	57.3	54.9	54.5	51.5	52.1	0.0	53.9	54.8	57.8	66.0	67.7
40	59.7	57.1	55.2	51.8	52.5	54.5	0.0	53.9	55.3	58.9	63.5	69.5
50	61.0	58.2	55.7	53.2	53.1	54.5	0.0	56.7	57.8	69.9	61.6	71.0
63	61.5	60.0	56.5	55.3	52.8	52.6	0.0	58.8	58.7	83.6	60.9	73.7
80	62.4	60.5	60.9	54.7	54.6	55.8	0.0	61.7	61.0	64.6	61.9	73.4
100	63.7	63.3	62.3	55.7	53.9	54.6	0.0	62.3	62.8	66.4	63.3	74.3
125	69.3	66.4	65.6	61.7	58.0	57.1	0.0	65.7	64.6	66.8	66.3	77.1
160	68.9	68.2	67.0	62.9	59.8	59.7	0.0	66.7	66.5	68.4	66.8	80.9
200	72.2	71.5	69.5	66.4	63.5	66.2	0.0	68.5	68.6	70.6	70.2	86.6
250	74.4	73.3	71.1	68.9	67.3	68.6	0.0	70.5	70.0	71.7	69.6	85.3
320	79.6	77.9	75.7	71.5	70.9	69.4	0.0	77.8	77.2	77.1	73.6	92.3
400	82.5	80.0	79.0	79.3	70.4	71.9	0.0	80.7	80.8	81.2	75.3	94.5
500	79.3	78.2	78.0	75.2	76.5	74.4	0.0	77.3	77.8	80.0	72.4	90.8
630	80.8	80.4	80.5	77.5	74.9	74.9	0.0	79.3	78.2	79.4	72.9	93.2
800	82.4	81.9	82.0	81.1	78.0	79.5	0.0	80.0	79.0	81.1	74.6	96.6
1.0k	82.3	83.0	82.6	80.6	78.3	77.9	0.0	79.4	77.5	79.5	75.3	96.9
1.25k	83.6	84.2	85.1	82.7	78.7	78.0	0.0	80.9	79.5	81.0	77.0	98.0
1.6k	84.7	85.9	86.3	83.0	79.2	79.4	0.0	82.7	81.3	82.1	80.6	99.8
2.0k	84.5	86.1	87.0	83.7	80.6	79.5	0.0	82.7	82.5	83.6	80.9	102.3
2.5k	85.6	87.9	88.2	85.9	83.1	78.9	0.0	81.7	81.9	84.8	83.3	101.3
3.2k	86.4	89.2	88.7	87.7	82.5	80.2	0.0	81.8	81.1	85.6	82.8	105.0
4.0k	84.6	88.3	87.6	85.6	79.7	78.0	0.0	80.1	79.7	83.6	80.9	102.5
5.0k	84.8	87.7	85.3	82.1	78.9	76.1	0.0	79.1	78.0	81.4	80.2	102.0
6.3k	80.9	86.3	84.3	82.6	78.3	75.1	0.0	78.4	76.5	79.4	80.8	103.6
8.0k	79.7	84.5	83.3	81.8	77.5	73.5	0.0	76.4	73.9	78.3	80.5	105.3
10.0k	78.1	82.7	80.3	80.1	74.8	71.4	0.0	72.3	68.4	76.3	79.4	107.8
12.5k	74.8	78.4	74.6	75.3	70.9	66.7	0.0	67.0	63.2	74.1	75.0	105.9
16.0k	75.7	80.7	71.4	68.8	63.0	61.1	0.0	62.3	63.9	75.8	71.2	104.7
20.0k	71.5	74.7	67.3	64.4	57.6	59.1	0.0	60.7	59.9	71.3	64.9	102.0
PNLT	109.4	111.1	110.5	109.8	105.7	103.5	0.0	105.7	104.9	107.8	105.2	127.8
LA	95.5	97.8	97.4	95.3	91.3	89.6	0.0	92.2	91.4	94.0	91.9	114.1
SPL	95.4	97.5	96.9	94.8	90.9	89.3	0.0	92.2	91.4	94.3	92.1	115.2

Subsystem Noise: Drive Motor Cooling

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	50.0	47.6	46.0	44.5	45.4	49.5	0.0	46.4	47.0	47.9	48.0	47.6
6.3	54.6	52.7	51.9	49.6	49.6	51.7	0.0	49.7	51.1	54.2	51.6	54.2
8	57.1	52.3	50.8	49.8	48.1	52.7	0.0	50.9	52.1	57.0	53.6	56.0
10	65.5	62.5	62.0	62.3	58.5	55.5	0.0	60.5	63.1	64.3	55.1	59.6
12.5	67.9	63.3	62.5	64.2	60.5	60.7	0.0	63.9	63.9	68.1	61.7	63.4
16	62.3	61.8	59.2	60.2	57.3	56.9	0.0	59.2	62.4	64.8	60.5	71.9
20	59.7	56.8	54.6	55.3	52.4	54.1	0.0	53.7	56.2	58.7	51.8	63.3
25	61.9	58.0	56.5	59.6	54.0	53.2	0.0	55.4	57.8	60.3	51.1	62.5
32	68.0	65.1	61.9	61.0	54.9	55.9	0.0	63.2	65.6	66.2	66.8	78.6
40	78.5	75.0	72.6	70.9	61.8	63.6	0.0	67.4	68.8	67.3	72.9	85.3
50	71.9	69.9	68.1	68.2	60.8	53.9	0.0	55.2	55.7	68.1	59.6	74.4
63	74.9	72.1	70.0	67.8	64.2	59.1	0.0	60.5	61.2	81.2	63.8	75.6
80	69.4	65.2	63.7	60.6	60.1	56.3	0.0	60.5	60.2	63.3	61.1	77.8
100	70.8	66.3	64.1	58.1	63.5	55.4	0.0	58.3	61.8	64.3	59.6	71.6
125	72.0	70.4	67.1	62.7	62.0	54.7	0.0	62.0	63.2	66.5	62.1	72.0
160	69.3	65.9	63.4	57.7	57.6	54.8	0.0	63.0	65.0	66.7	64.8	69.4
200	68.5	65.8	64.0	61.7	58.2	62.3	0.0	65.3	67.4	69.9	68.6	72.4
250	68.6	66.5	64.3	61.9	59.5	62.2	0.0	65.4	66.9	68.4	67.0	72.6
320	73.8	66.0	68.0	65.9	63.5	60.1	0.0	64.7	65.6	68.2	68.8	79.6
400	77.1	67.4	71.0	69.4	66.1	60.2	0.0	65.8	63.4	67.9	70.7	82.8
500	67.0	65.2	62.9	60.3	57.4	59.3	0.0	61.7	63.0	64.4	68.2	74.3
630	67.8	63.7	62.4	60.6	56.9	57.7	0.0	63.6	65.5	67.6	67.3	75.1
800	71.2	63.5	62.2	60.0	57.1	59.7	0.0	63.4	64.0	67.2	65.3	74.7
1.0k	63.2	60.8	58.8	56.1	53.8	56.0	0.0	60.8	62.7	63.2	62.4	73.2
1.25k	61.7	59.8	57.8	55.1	53.2	55.8	0.0	61.5	62.7	64.1	62.9	73.4
1.6k	58.8	57.8	55.3	53.1	50.8	54.2	0.0	59.5	60.9	61.8	60.2	71.8
2.0k	57.4	56.6	55.2	51.9	52.3	53.0	0.0	57.6	58.7	60.4	58.3	73.1
2.5k	56.6	55.8	54.2	52.1	50.1	53.3	0.0	57.5	59.3	60.5	59.0	72.9
3.2k	57.0	56.1	54.6	53.4	50.2	55.5	0.0	59.7	60.8	63.5	59.7	75.6
4.0k	55.0	54.4	52.7	49.6	47.2	51.4	0.0	55.8	57.4	59.4	55.3	73.3
5.0k	55.0	53.3	50.9	48.4	46.5	51.6	0.0	54.6	55.7	57.9	53.9	72.5
6.3k	53.1	51.9	49.4	47.0	44.3	48.1	0.0	52.7	52.3	54.2	53.0	71.7
8.0k	52.0	51.0	48.7	45.8	42.8	45.9	0.0	50.1	48.3	53.0	51.7	71.9
10.0k	48.6	49.2	45.8	43.2	40.8	44.1	0.0	45.5	42.5	51.8	49.0	69.2
12.5k	48.1	50.3	44.9	42.3	41.2	43.9	0.0	42.8	39.8	52.2	46.9	66.3
16.0k	50.4	53.3	46.5	44.3	43.3	46.1	0.0	43.6	41.7	54.5	47.7	64.3
20.0k	51.5	55.0	47.5	45.7	44.4	47.1	0.0	44.2	42.5	54.3	48.5	61.3
PNLT	91.6	85.3	85.5	83.4	80.5	81.5	0.0	85.8	85.8	90.0	86.2	101.2
LA	77.0	71.7	71.3	69.2	66.4	67.2	0.0	71.6	72.7	74.9	74.2	86.0
SPL	84.8	80.8	79.4	77.6	73.9	72.7	0.0	76.6	77.9	83.7	79.7	90.9

Subsystem Noise: Main Bldg. Cooling Tower

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	42.0	39.9	39.7	40.5	42.7	38.6	0.0	41.0	42.6	45.2	42.7	47.5
6.3	37.2	37.2	37.6	40.9	41.7	37.7	0.0	39.1	40.7	45.0	40.1	46.5
8	41.7	41.7	41.3	43.8	43.8	41.7	0.0	40.7	40.2	44.2	41.7	47.0
10	46.2	46.1	45.1	47.3	47.0	46.0	0.0	45.0	43.9	47.3	42.4	47.2
12.5	48.1	50.4	48.3	50.7	49.6	50.4	0.0	49.8	51.6	54.6	44.9	45.8
16	42.6	43.1	43.7	44.0	43.5	43.5	0.0	42.3	42.8	44.4	38.9	42.7
20	46.1	44.7	44.5	46.0	44.5	43.7	0.0	44.7	44.5	45.4	41.1	44.3
25	52.4	53.4	49.1	52.8	51.1	49.8	0.0	49.6	48.4	52.3	48.3	48.9
32	56.3	59.5	53.5	56.5	55.6	49.7	0.0	51.5	50.4	53.1	48.4	51.4
40	56.5	58.9	60.5	55.0	56.0	56.1	0.0	52.2	53.0	55.6	52.6	54.3
50	60.6	59.8	57.9	59.2	57.2	54.3	0.0	55.2	58.0	70.2	55.5	58.8
63	55.0	54.8	53.0	53.8	51.2	49.6	0.0	51.7	53.3	83.8	50.8	54.4
80	66.2	65.1	65.7	62.7	60.7	58.8	0.0	61.3	61.7	65.1	61.7	64.2
100	67.6	65.9	65.2	62.4	59.2	61.5	0.0	61.3	62.4	62.4	60.7	62.6
125	67.4	66.6	63.4	58.6	54.9	55.8	0.0	61.2	61.1	60.7	57.4	61.1
160	65.4	65.7	64.6	51.8	50.5	54.0	0.0	62.7	63.7	64.2	58.8	59.2
200	64.3	66.6	65.1	54.4	53.4	52.1	0.0	60.6	61.6	63.8	55.9	58.5
250	64.4	64.9	64.3	58.0	55.4	53.8	0.0	59.7	60.5	61.3	54.8	60.0
320	60.6	63.4	63.5	59.8	57.0	54.4	0.0	57.0	58.5	59.1	54.2	57.5
400	58.2	61.3	59.9	57.0	54.2	51.9	0.0	54.5	55.5	57.4	52.3	56.9
500	58.5	58.8	58.3	50.9	52.0	51.2	0.0	52.9	53.7	56.2	51.8	57.2
630	56.0	55.9	56.3	52.7	50.3	47.8	0.0	51.4	51.4	54.2	50.0	54.5
800	56.4	56.5	55.7	51.3	50.6	47.9	0.0	51.9	52.8	55.0	49.5	55.5
1.0k	54.0	55.0	53.8	49.7	49.4	46.4	0.0	51.2	51.7	53.4	48.6	54.1
1.25k	52.4	53.8	52.0	48.4	48.9	44.9	0.0	49.3	50.5	55.4	47.9	52.4
1.6k	49.5	52.0	50.5	47.9	46.5	43.3	0.0	45.9	47.3	52.8	45.6	51.2
2.0k	44.7	46.3	45.9	42.6	42.6	39.2	0.0	41.8	43.8	48.7	41.5	47.2
2.5k	43.3	42.9	43.3	40.7	39.9	35.4	0.0	39.0	41.4	45.8	40.1	44.4
3.2k	42.1	42.2	43.0	41.5	39.0	35.2	0.0	38.9	41.6	43.2	39.7	42.9
4.0k	40.3	40.1	41.1	41.4	37.8	36.8	0.0	39.5	41.9	42.5	37.4	39.6
5.0k	44.7	43.5	44.5	42.8	41.6	47.4	0.0	46.2	48.3	48.5	42.6	43.0
6.3k	37.1	35.6	35.9	34.5	33.6	33.2	0.0	33.0	40.1	44.3	33.1	34.8
8.0k	37.6	35.3	35.7	34.4	32.0	28.9	0.0	30.7	38.2	46.7	31.8	34.0
10.0k	39.4	35.7	36.3	35.2	30.9	30.7	0.0	30.8	36.8	49.1	31.5	33.8
12.5k	41.3	37.2	37.6	36.0	29.9	31.4	0.0	31.4	35.8	50.9	31.3	34.0
16.0k	44.3	40.0	40.3	38.4	32.0	33.9	0.0	33.2	37.0	53.3	33.0	35.6
20.0k	45.7	41.6	41.3	39.5	32.9	34.9	0.0	34.4	37.5	54.2	33.8	36.2
PNLT	78.5	79.1	78.4	74.1	72.1	72.8	0.0	74.8	75.9	83.4	71.8	75.6
LA	65.0	66.0	65.2	60.8	59.3	57.4	0.0	61.0	62.1	65.5	58.7	63.2
SPL	74.9	75.1	74.1	70.0	67.9	67.2	0.0	70.3	71.1	84.3	68.2	71.1

Subsystem Noise: Transmission Lube Pump

Microphone Number

Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	48.6	47.6	43.3	40.5	41.4	36.2	0.0	41.2	46.9	49.8	46.4	47.2
6.3	49.2	48.6	41.7	39.2	41.6	37.7	0.0	38.6	44.4	48.2	44.9	47.5
8	47.8	48.5	43.0	39.9	40.4	39.4	0.0	39.7	45.7	49.2	44.5	44.1
10	49.9	51.3	45.1	43.0	45.1	45.1	0.0	43.4	47.4	49.4	42.7	42.8
12.5	50.2	52.9	49.0	50.1	49.2	49.5	0.0	49.3	52.2	54.4	45.9	43.7
16	46.6	48.8	42.1	41.3	41.9	43.2	0.0	42.4	44.6	48.3	39.8	40.3
20	47.2	48.3	43.8	41.2	43.9	41.6	0.0	42.5	44.2	47.7	40.1	42.2
25	48.7	50.0	47.1	45.0	47.0	43.1	0.0	47.2	45.2	51.0	43.9	42.8
32	46.6	48.2	46.1	44.5	45.6	43.3	0.0	46.0	46.2	48.3	44.0	45.1
40	47.1	49.5	48.7	46.9	47.8	44.6	0.0	47.0	47.4	51.9	45.3	46.3
50	49.7	51.0	50.5	50.7	50.6	42.7	0.0	46.2	47.3	69.8	44.9	46.0
63	47.5	47.0	48.6	46.5	46.4	43.5	0.0	44.7	47.0	84.0	47.8	48.9
80	47.8	48.4	50.0	47.6	47.3	41.5	0.0	44.3	43.1	59.2	47.6	47.2
100	53.1	51.5	51.4	48.4	46.8	40.3	0.0	45.4	44.8	50.1	48.4	48.9
125	66.0	64.9	60.0	55.1	44.1	45.1	0.0	55.4	53.5	57.4	49.5	53.2
160	47.4	47.0	46.9	40.9	40.2	36.5	0.0	41.6	43.5	54.5	44.2	47.1
200	45.4	46.1	48.1	41.1	42.4	34.8	0.0	39.5	42.0	58.8	43.3	49.4
250	53.5	53.1	57.9	47.5	41.6	37.4	0.0	43.4	44.0	48.2	43.8	52.0
320	45.8	45.7	43.7	39.7	41.2	36.0	0.0	41.3	44.2	47.3	43.7	54.4
400	46.5	41.0	41.4	37.7	34.8	32.6	0.0	36.3	37.8	46.7	38.6	48.2
500	44.9	46.7	45.1	42.1	36.0	37.6	0.0	36.5	40.8	44.3	40.5	48.8
630	57.9	52.4	53.5	50.4	42.9	41.3	0.0	49.7	50.0	51.7	50.7	64.1
800	53.0	52.7	48.4	42.9	40.5	42.7	0.0	48.3	47.3	48.4	46.1	58.5
1.0k	60.0	59.1	53.8	47.5	47.9	52.7	0.0	54.8	55.9	58.2	56.0	65.2
1.25k	49.0	49.0	47.2	43.9	43.6	41.5	0.0	48.1	47.0	53.5	47.7	59.0
1.6k	53.0	51.9	47.8	45.6	42.6	44.3	0.0	45.7	49.5	53.6	51.2	61.1
2.0k	45.8	44.8	43.0	41.2	40.8	40.2	0.0	43.6	44.8	48.6	45.8	56.0
2.5k	45.4	44.2	41.7	39.3	38.3	37.9	0.0	41.1	42.7	46.4	44.6	53.3
3.2k	48.3	45.4	46.6	44.4	40.8	40.8	0.0	45.9	45.3	48.7	49.0	58.1
4.0k	49.5	47.6	47.8	42.9	39.6	42.5	0.0	44.4	46.5	47.3	46.3	57.7
5.0k	49.8	47.0	45.7	41.8	39.9	45.7	0.0	45.3	48.4	49.5	46.4	52.8
6.3k	37.9	38.0	37.9	35.5	29.9	30.9	0.0	34.3	38.9	44.8	38.0	46.4
8.0k	33.6	35.4	35.4	30.9	25.9	26.0	0.0	28.9	35.9	47.9	33.9	43.8
10.0k	34.8	36.3	34.3	30.8	24.8	27.3	0.0	27.9	33.9	50.8	34.5	43.3
12.5k	35.9	37.7	34.1	30.9	24.3	26.6	0.0	27.1	31.6	52.9	32.5	41.9
16.0k	38.4	40.9	35.4	32.8	25.7	28.2	0.0	28.8	31.0	54.8	32.5	41.3
20.0k	39.7	42.8	35.3	33.7	26.3	28.7	0.0	29.2	30.4	53.5	32.1	40.4
PNLT	77.4	76.1	74.1	70.5	67.2	69.9	0.0	71.6	73.8	83.9	74.9	83.9
LA	64.0	62.4	59.8	55.5	52.9	55.6	0.0	58.7	59.8	64.5	60.3	70.4
SPL	69.0	68.0	65.4	61.3	59.4	58.5	0.0	62.0	62.8	84.3	62.3	70.9

Subsystem Noise: Tower Base Hydraulics

	Microphone Number											
Hz /	1	2	3	4	5	6	7	8	9	10	11	12
5	53.1	53.4	52.2	50.9	50.0	48.4	0.0	51.8	52.2	54.7	52.3	52.7
6.3	55.7	55.7	54.5	50.8	51.7	51.2	0.0	52.9	52.3	54.4	51.5	52.1
8	51.2	49.8	51.0	50.8	49.9	52.0	0.0	49.6	48.4	50.8	48.2	49.5
10	52.4	51.8	52.0	51.0	50.1	52.6	0.0	51.6	50.5	52.0	47.1	49.4
12.5	51.2	53.2	51.2	52.5	52.0	52.4	0.0	52.3	52.9	54.9	48.0	45.0
16	53.6	52.6	52.5	50.9	51.0	52.3	0.0	50.6	50.3	53.2	47.2	46.7
20	55.8	55.1	56.0	52.5	52.8	51.7	0.0	54.8	52.7	54.8	49.3	52.3
25	54.5	54.7	53.6	51.2	52.3	51.2	0.0	54.0	51.6	55.4	50.3	49.7
32	52.7	52.2	52.5	49.9	51.7	51.3	0.0	52.8	51.2	53.4	49.8	50.5
40	49.2	49.7	49.8	49.4	49.8	49.5	0.0	51.3	49.4	52.5	47.3	48.8
50	50.2	51.5	50.7	51.5	51.8	47.0	0.0	50.2	49.7	70.0	47.2	47.1
63	52.4	50.7	51.3	48.6	49.0	46.6	0.0	50.1	49.2	83.8	49.9	50.2
80	52.6	51.1	52.9	49.7	51.7	46.3	0.0	49.5	48.0	59.2	50.0	50.3
100	51.7	51.3	49.2	46.0	47.8	43.8	0.0	47.6	46.4	48.2	48.8	48.0
125	66.5	65.4	62.3	57.0	53.2	47.0	0.0	58.1	56.8	61.1	54.1	58.0
160	61.9	60.3	61.0	46.9	53.2	45.0	0.0	57.0	56.1	60.9	54.2	56.6
200	47.3	46.8	48.3	40.9	47.6	40.1	0.0	46.4	47.0	58.7	45.7	43.0
250	54.2	53.2	57.2	48.2	46.1	40.4	0.0	46.8	48.5	52.0	46.2	50.2
320	47.1	46.3	47.0	42.0	45.0	41.2	0.0	44.8	48.3	51.9	46.8	49.1
400	56.2	55.1	55.0	46.7	49.5	48.9	0.0	49.0	49.8	52.0	56.7	49.8
500	48.0	48.5	48.8	43.0	44.9	42.4	0.0	42.6	44.9	46.4	48.4	44.0
630	47.7	42.6	44.1	40.7	42.3	38.5	0.0	40.0	43.8	46.4	43.3	44.4
800	50.9	47.0	45.9	41.1	41.0	43.5	0.0	43.2	44.7	47.3	42.7	49.0
1.0k	43.7	46.1	44.1	39.7	39.8	38.0	0.0	40.4	43.3	49.0	45.8	43.7
1.25k	43.0	44.0	42.5	39.3	39.7	37.3	0.0	41.0	44.0	52.4	46.0	44.0
1.6k	41.9	41.0	38.6	35.2	37.0	36.0	0.0	38.7	41.2	49.3	40.9	37.3
2.0k	38.1	37.2	37.3	32.7	34.6	34.0	0.0	36.3	39.3	45.8	36.6	35.2
2.5k	36.5	34.8	36.2	32.1	34.5	32.3	0.0	34.8	39.1	44.0	36.7	33.3
3.2k	37.4	36.1	36.3	32.3	34.4	34.3	0.0	35.2	40.1	39.7	37.9	33.7
4.0k	35.6	34.7	35.3	31.6	33.2	34.7	0.0	35.7	39.8	38.7	34.8	33.1
5.0k	42.0	40.1	39.8	37.5	37.8	47.1	0.0	45.5	46.5	47.2	43.0	38.7
6.3k	32.4	32.2	31.5	27.9	30.3	34.4	0.0	32.8	37.2	37.3	31.7	31.2
8.0k	32.1	33.3	30.7	27.4	29.0	29.0	0.0	29.5	35.4	39.6	29.0	32.4
10.0k	33.6	35.5	31.2	28.3	28.0	31.2	0.0	30.3	34.3	42.6	28.6	35.0
12.5k	35.3	37.6	32.2	29.6	27.2	29.7	0.0	30.0	32.1	45.5	28.0	32.5
16.0k	38.4	40.7	34.7	32.2	28.3	31.4	0.0	31.4	31.8	49.3	29.3	33.6
20.0k	39.5	42.3	35.7	33.4	28.7	31.7	0.0	31.8	31.1	52.0	29.8	32.6
PNLT	72.7	71.4	70.7	64.5	65.5	68.5	0.0	69.4	70.6	81.7	70.3	67.3
LA	58.2	57.0	56.8	50.5	51.7	52.0	0.0	53.3	55.1	61.9	56.1	54.6
SPL	70.0	69.1	68.2	63.8	64.0	62.7	0.0	65.5	64.9	84.1	64.1	64.8