

200MW KOM OMBO SOLAR PV ACWA Power

Baseline Survey – Noise Monitoring Survey



March 2020

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Glossary

A weighting	A frequency response adjustment of a sound-level meter that makes its reading conform, very roughly, to human response
dB(A)	A sound level meter reading with an A-weighting network simulating the human
Decibel	The human ear responds logarithmically and it is convenient to deal in logarithmic units in audio systems. The bel is the logarithm of the ratio of two powers, and decibel is 1/10 bel.
Sound Power level	A power expressed in dB above the standard reference level of 1 Pico watt
Sound pressure level	A sound pressure expressed in dB above the standard sound pressure of 20 micropascals
Spectrum	The distribution of the energy of a signal with frequency.
LX	LX is the noise level exceeded for X% of the time of the measurement duration. This is often used to give an indication of the upper limit of fluctuating noise, such as that from road traffic
L10	L10 is the noise level exceeded for 10% of the time of the measurement duration. This is often used to give an indication of the upper limit of fluctuating noise, such as the road traffic
L50	L50 is the noise level exceeded for 50% of the measurement duration. It is the middle point and has been incorporated in some American Community Noise Assessments.
L 90	L90 is taken to be ambient or background noise level as used, for example in BS 412 'Rating Industrial Noise Affecting Mixed Residential and Industrial Areas.'

1. INTRODUCTION

Upon request, a visit was conducted by **Environment and Development Group (EDG)** on the 1st of February 2020 to the proposed location of the “ACWA Power 200MW Kom Ombo solar PV” project near Faris Village in Aswan Governorate. The aim of the visit was to conduct a noise monitoring survey and a baseline study of the Project area.

The following noise monitoring surveys at the Project area take into account the present receptor(s) locations within 2km of the project boundary and at the 4 project boundary locations:

- Noise measurements were taken for 1-hour continuously at each receptor location and 15-minutes at each boundary location during, at both daytime and nighttime periods (note: daytime and nighttime periods coincide with applicable day/night timings in both the Egyptian noise standards and WHO noise standards)
- Measurements were recorded using a calibrated noise meter, with results presented for $L_{eq}(A)$, $L_{max}(A)$, $L_{min}(A)$ & $L_{peak}(C)$, LAF1.0, LAF5.0, LAF10.0, LAF50.0, LAF90.0, LAF95.0, LAF99.0— Refer to Appendix II
- The presented survey notes the observations related to local noise influences during the surveys and noise graphs to illustrate the fluctuations of noise over the respective survey period

1.1 REPORT OBJECTIVES

This noise monitoring survey is part of the baseline survey conducted for ‘ACWA Power 200MW Kom Ombo solar PV project’ near Faris Village in Aswan Governorate. This survey aims to:

- To conduct a noise survey - baseline study for the project site
- To establish the background noise level in and around the site

2. METHODOLOGY

The Noise Monitoring Survey was conducted at the project area. The survey contained a series of noise measurements, covering the four locations on the boundaries, as well as two receptors within about two kilometers of the vicinity of the site.



Figure 1: Project Site and Receiver Points

The coordinates of the project site and the noise receivers are presented in the table below:

Degrees Minutes & Seconds (DMS)			
		Northing	Easting
Site Boundaries Measurement Locations	1	24°37'25.06"	32°48'33.19"
	2	24°36'17.43"	32°48'33.29"
	3	24°36'17.42"	32°46'49.69"
	4	24°37'0.50"	32°46'49.69"
Noise Receivers Measurements Locations	1	24°38'0.78"	32°50'26.34"
	2	24°37'32.96"	32°48'55.42"

- Noise measurements at each receptor location were taken for one-hour durations, each hour broken down into 4 15-minutes recorded measurement sections. At the beginning and end of each segment, an additional 1 minute is taken for the automatic calibration of the

device – i.e. the total period of each segment is 17 minutes. The measurements recorded during the calibration time are excluded from the tables. While noise measurements were taken for 17 minutes at each boundary location; during both daytime and nighttime periods following the day/night timings in both the Egyptian noise standards and WHO noise standards.

- Measurements will be recorded using -held Analyzer Types 2250 by B&k, with results presented for LAFmax, LAFmin, LCpeak, LAeq, LAeq, LCeq, LAF1.0, LAF5.0, LAF10.0, LAF50.0, LAF90.0, LAF95.0, and LAF99.0.
 - Appendix I contains more detailed information regarding the equipment used
 - Appendix II presents the Noise Measurements Data Tables for the Daytime and Nighttime
 - Appendix III includes calibration certifications
- A windshield was attached to the sound level meter throughout the measurements' duration which reduces the effects of wind & air movement across the microphone and diminishes their influence on the precision of the measurements.

3. METROLOGICAL CONDITIONS

The metrological conditions were recorded during the period of data collection and noise measurements. Table 1 below provides a brief overview of the conditions.

Table 1: Metrological Conditions in Aswan on Feb 2nd 2020

Metrological Conditions	
Clouds	During the measurements Aswan had overcast or mostly cloudy sky, with percentages remaining at about 18% throughout the day.
Sun	The sunrise on February 2 nd , 2020 in Aswan was at 6:29 AM and the sunset was at 5:34 PM
Humidity	The weather was dry throughout the day.
Wind Speed	The average hourly wind speed varied throughout the day, with a daily average of 8.8 miles per hour
Wind Direction	The hourly average wind direction, in order of prevalence, is from the north (79%), west (11%), east (9%), and south (2%)
Temperature	Figure 2 below shows a compact characterization of the range of temperatures experienced on February 2 nd , 2020. The horizontal axis is the time of day and the colored stacked areas indicate the percentage of hours spent in various temperature bands

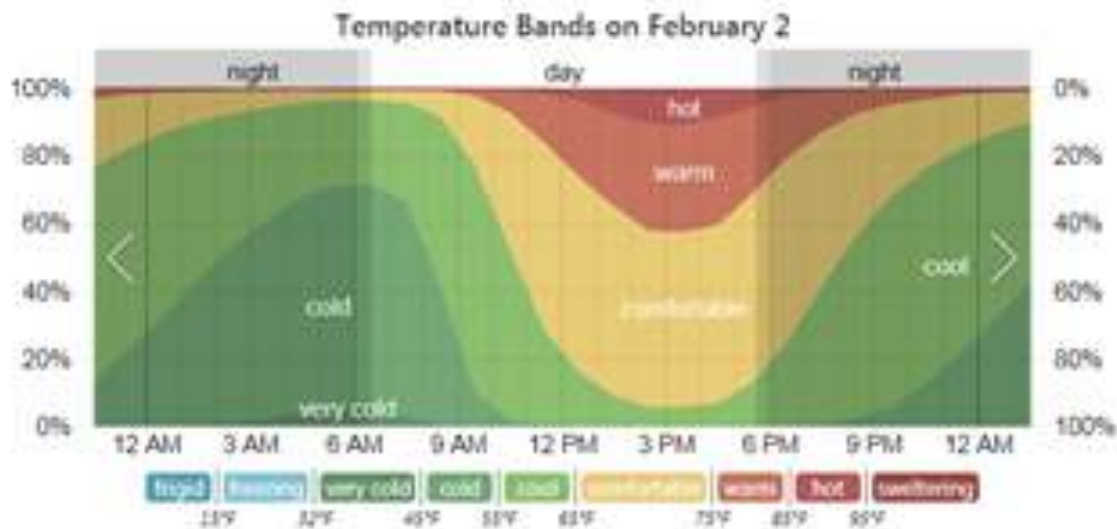


Figure 2: Temperature Bands on February 2nd, 2020

4. NOISE MEASUREMENTS RESULTS

The following figures present the results of noise measurements conducted at the Project site at daytime and nighttime at 4 different site boundary locations, as well as 2 off-site locations. The consolidated values are calculated and displayed in tables at the beginning of each section; all recordings are listed in Annex II, highlighting values excluded in calculations.

4.1 DAYTIME MEASUREMENTS

The consolidated values of all recordings conducted during daytime, at all 4 project boundary locations as well as the 2 off-site locations, are listed in the table below.

Table 2: Consolidated values for daytime period (LAFmax, LAFmin, LCpeak, LAeq)

Parameters	LAFmax	LAFmin	LCpeak	LAeq
Site Boundary				
Location 1	75.5	29.3	96.3	56.2
Location 2	60.9	25.5	87	40.7
Location 3	60.9	26.3	87.2	40.2
Location 4	65.5	25.0	90.1	45.2
Off-site Locations				
Receptor 1	65.9	20.6	87	49
Receptor 2	76.2	46.4	92.0	60.7

4.1.1 Site Boundary

4.1.1.1 Location 1

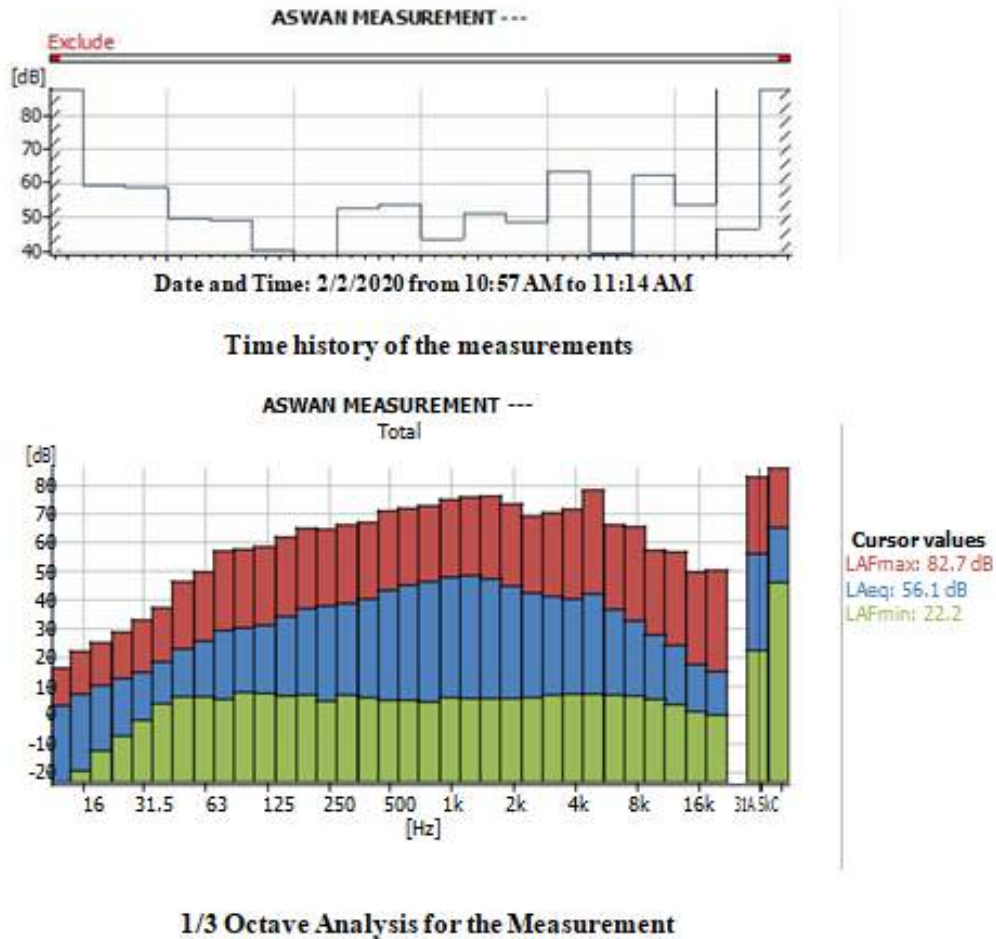


Figure 3: Daytime Measurements at Location 1

Observations:

- No clear noise source was observed, only the passage of two cars in the main road. One of them was moving with high speed which generated a higher level of noise.
- Some construction activity was taking place in a far proximity to the measurement location.

4.1.1.2 Location 2

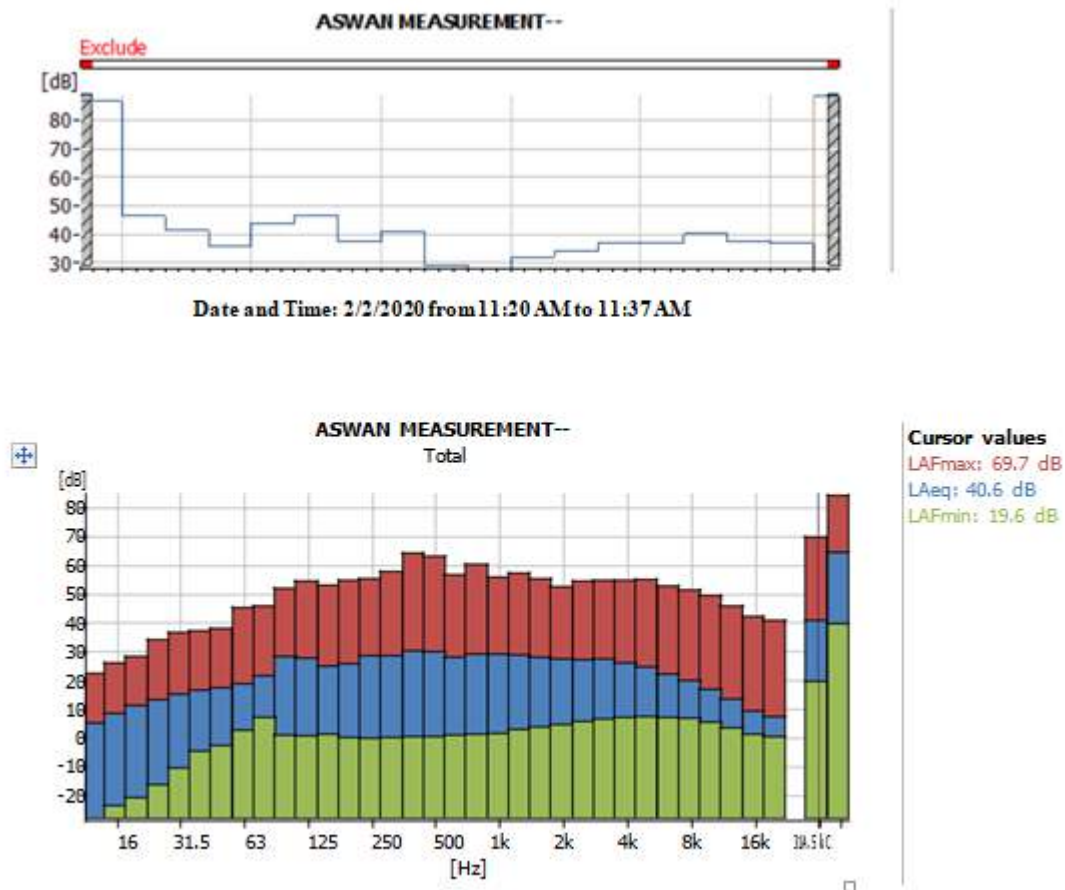


Figure 4: Daytime Measurements at Location 2

Observations:

- No clear noise source was observed, only the passage of two cars in the main road.
- Some construction activity was taking place in a far proximity to the measurement location.
- It was observed that traffic and construction activities had a minor effect on noise level in this location.

4.1.1.3 Location 3

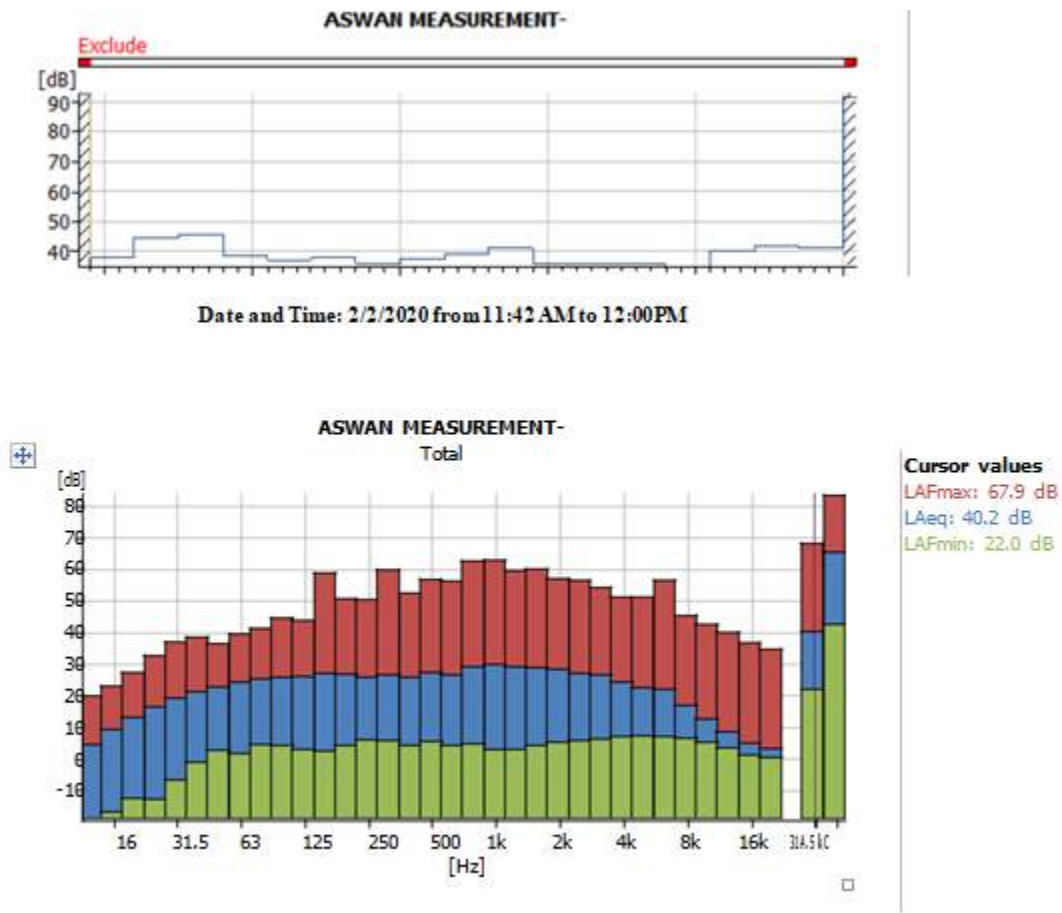


Figure 5: Daytime Measurements at Location 3

Observations:

- No clear noise source was observed.
- Some construction activity was taking place in a very far proximity to the measurement location.
- We believe that traffic and construction activities have no effect on the noise level in this location.

4.1.1.4 Location 4

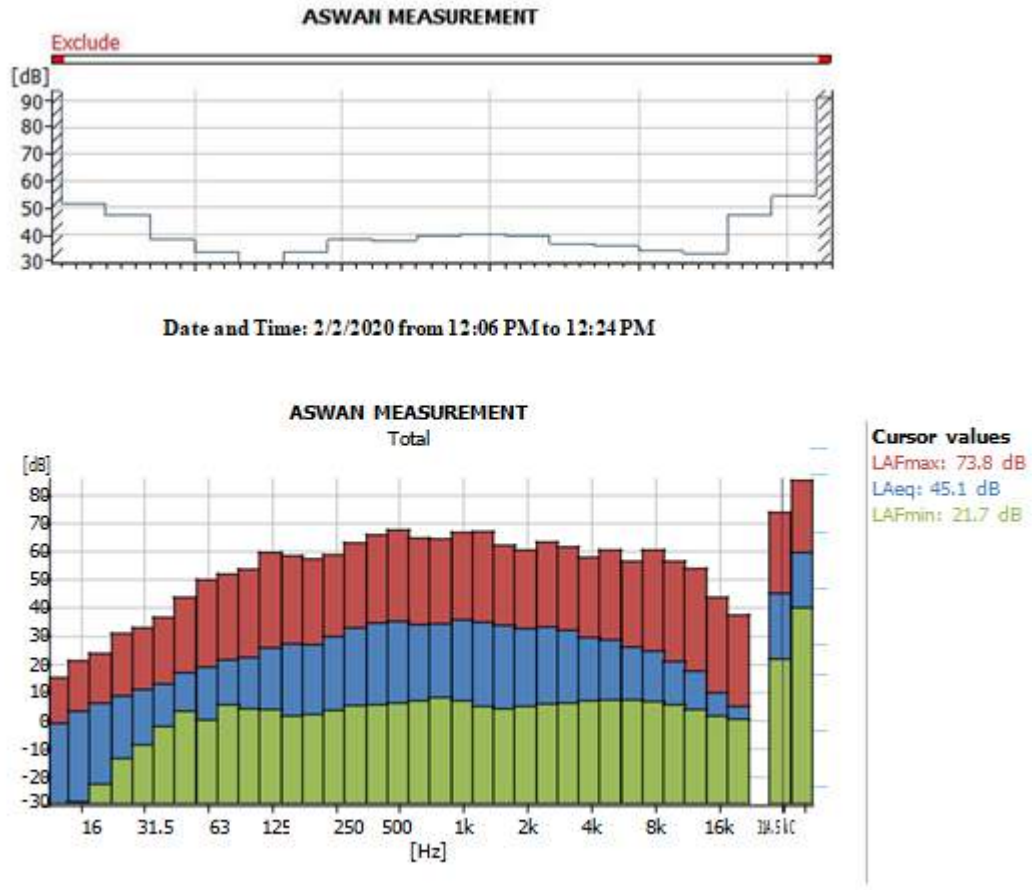


Figure 6: Daytime Measurements at Location 4

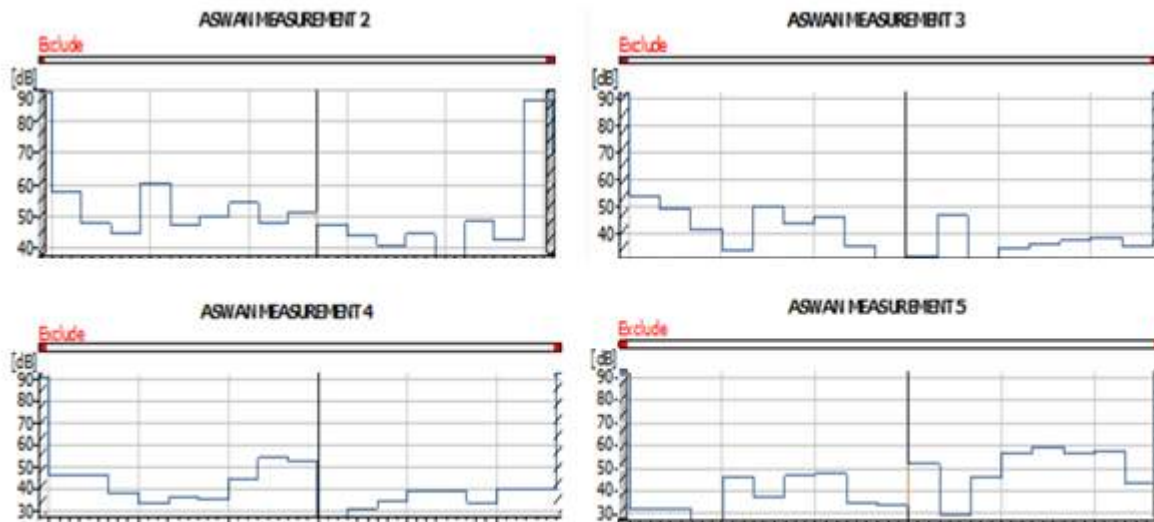
Observations:

- Some construction activity was taking place, in a relatively small distance from the measurement location.

4.1.2 Off-site Locations

4.1.2.1 Receptor 1

Location: Village under construction and abandoned now



Date and Time: 2/2/2020 from 1:00 PM to 2:11 PM

Figure 7: Receptor 1 - Daytime Measurements

Leq= 57.6 dB for one hour

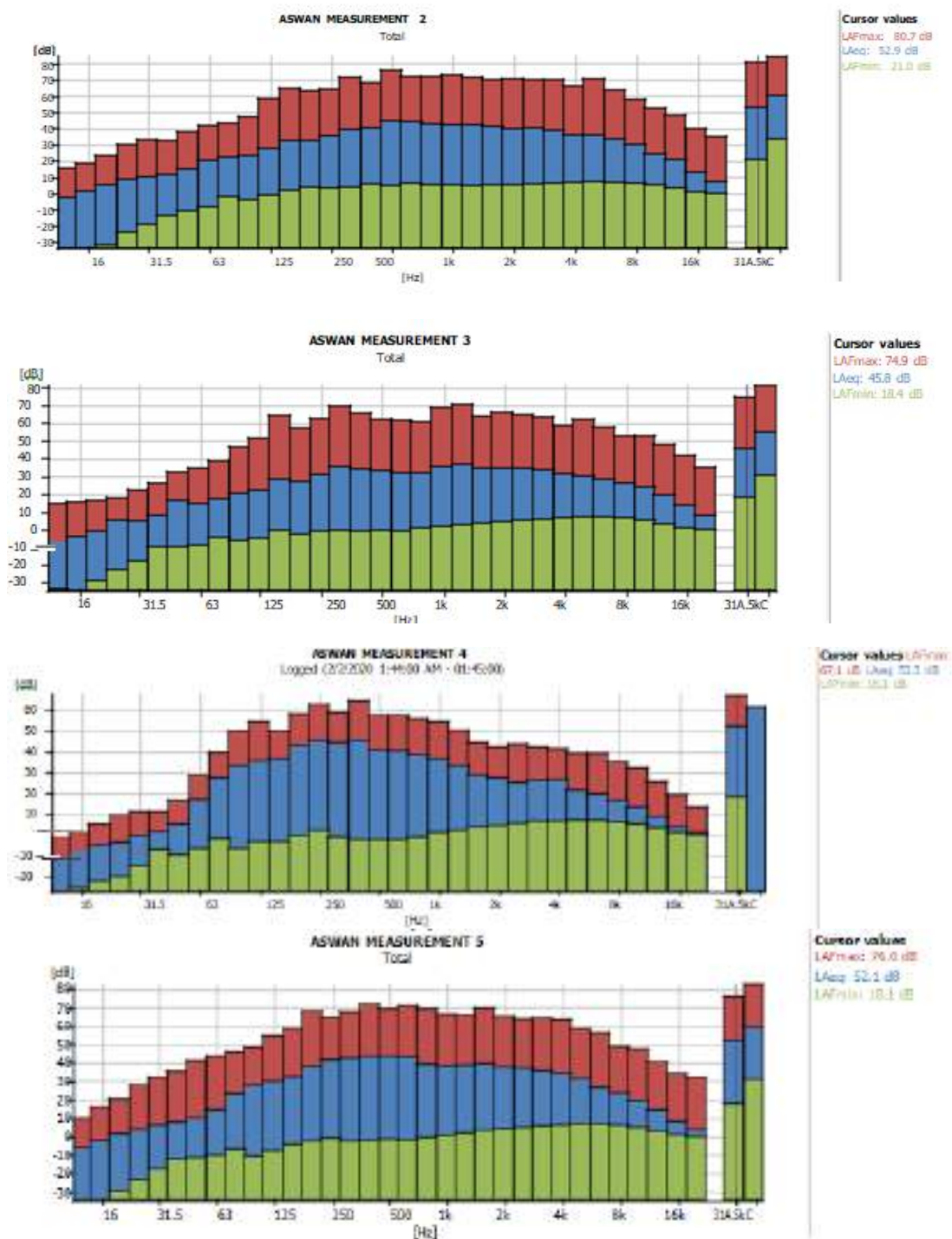


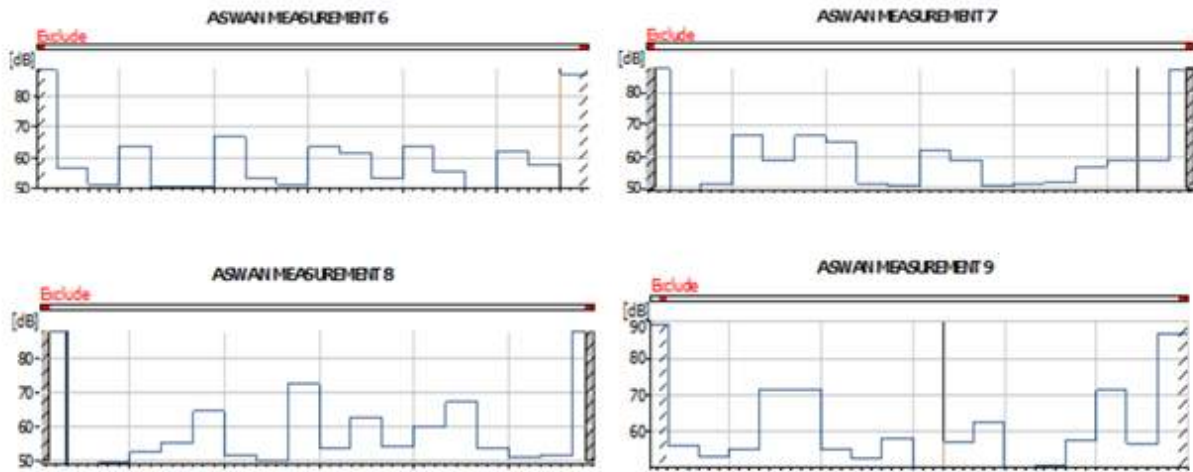
Figure 8: Receptor 1 - Daytime Measurements

Observations:

- The abandoned village has nearly no activity; only 2 to 5 cars passing by on the road on average basis every one hour.
- Far away, there is an electricity tower being erected which might have an effect on the measurement results.

4.1.2.2 Receptor 2

Location: Next to a Construction Site - Construction Work Still Going On



Date and Time: 2/2/2020 from 2:18 PM to 3:30 PM

Figure 9: Receptor 2 - Daytime Noise Measurements

Leq=68.4 dB for one hour

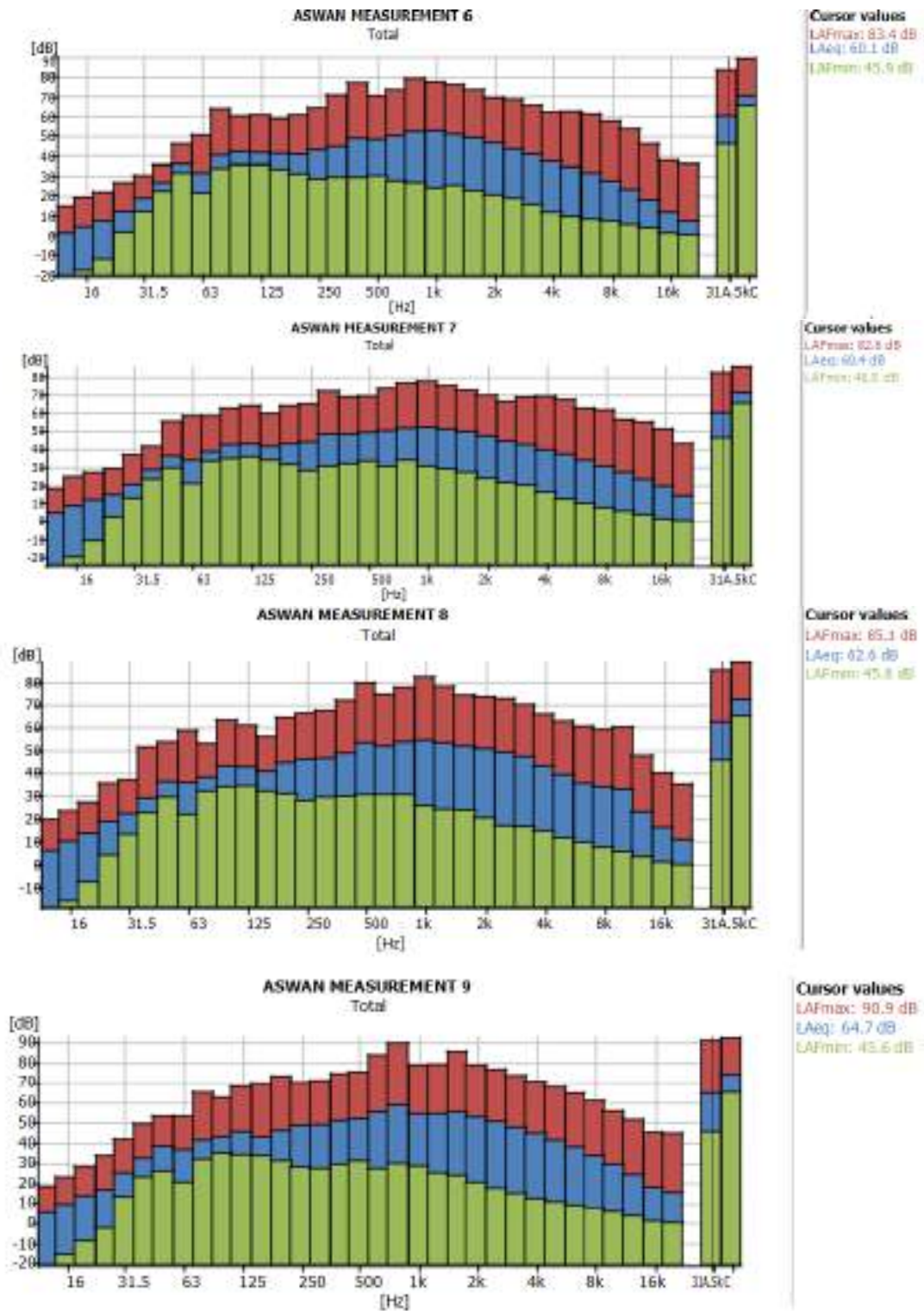


Figure 10: Receptor 2- Daytime Noise Measurements

Observations:

- Many construction works were going on during the measurement period.
- Many workers were moving around the site during the time of the measurements

4.2 NIGHT TIME MEASUREMENTS

The consolidated values of all recordings conducted during nighttime, at all 4 project boundary locations as well as the 2 off-site locations, are listed in the table below.

Table 3: Consolidated values for nighttime period (LAFmax, LAFmin, LCpeak, LAeq)

Parameters	LAFmax	LAFmin	LCpeak	LAeq
Site Boundary				
Location 1	64.7	34.2	89.4	43.6
Location 2	71.5	34.4	83.4	58.2
Location 3	75	34.2	98.7	58.9
Location 4	54.8	33	80.3	43.7
Off-site Locations				
Receptor 1	56	23.7	75.4	32.9
Receptor 2	75.6	34.9	106.3	55.3

4.2.1 Site Boundary

4.2.1.1 Location 1

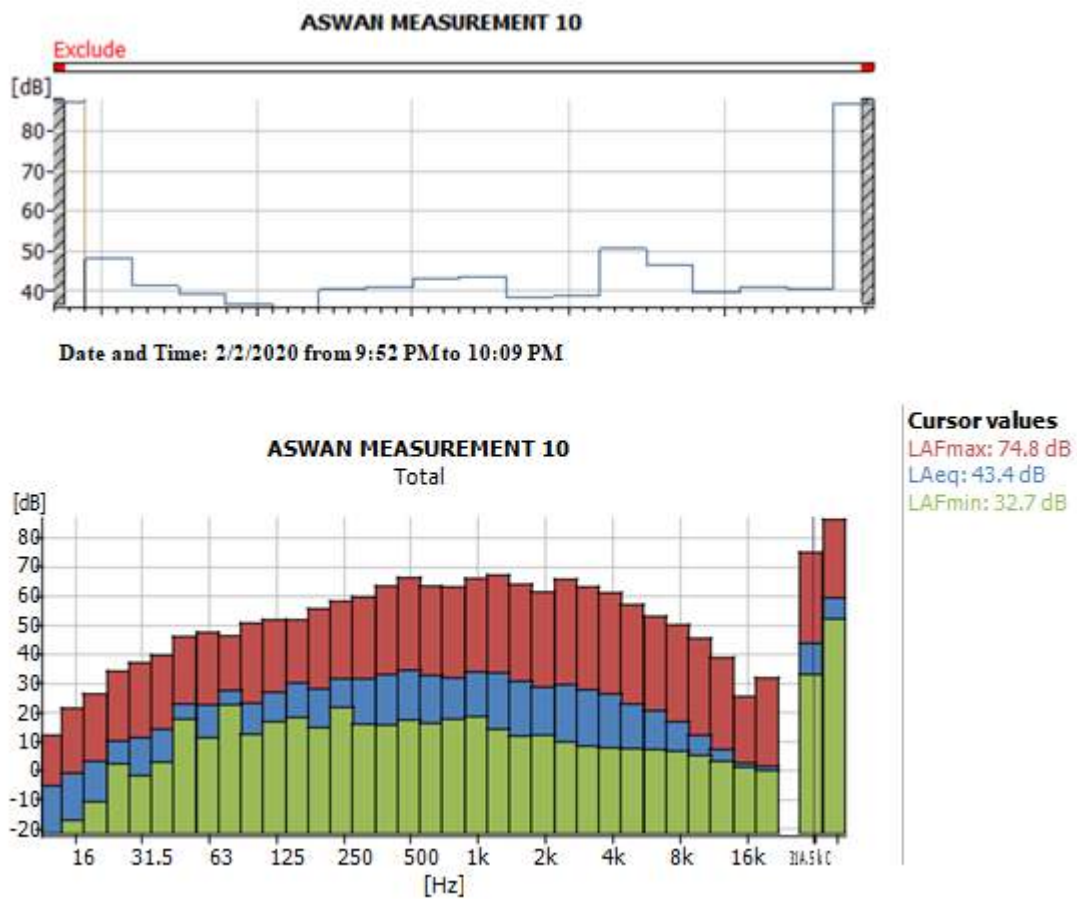


Figure 11: Night Time Measurements at Location 1

Observation:

- Only one motorcycle passed by.

4.2.1.2 Location 2

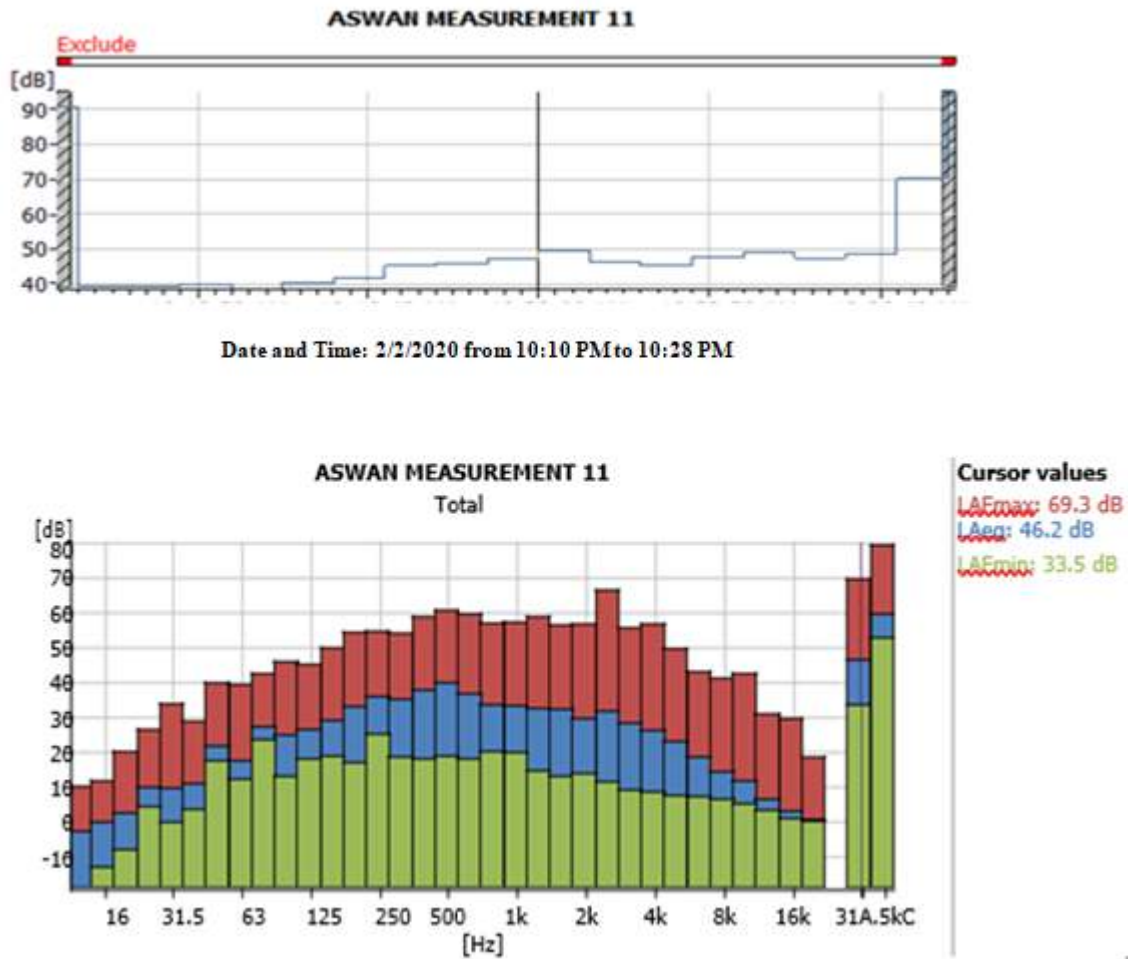


Figure 12: Night Time Measurements at Location 2

Observation:

- Only one or two motorcycles passed by

4.2.1.3 Location 3

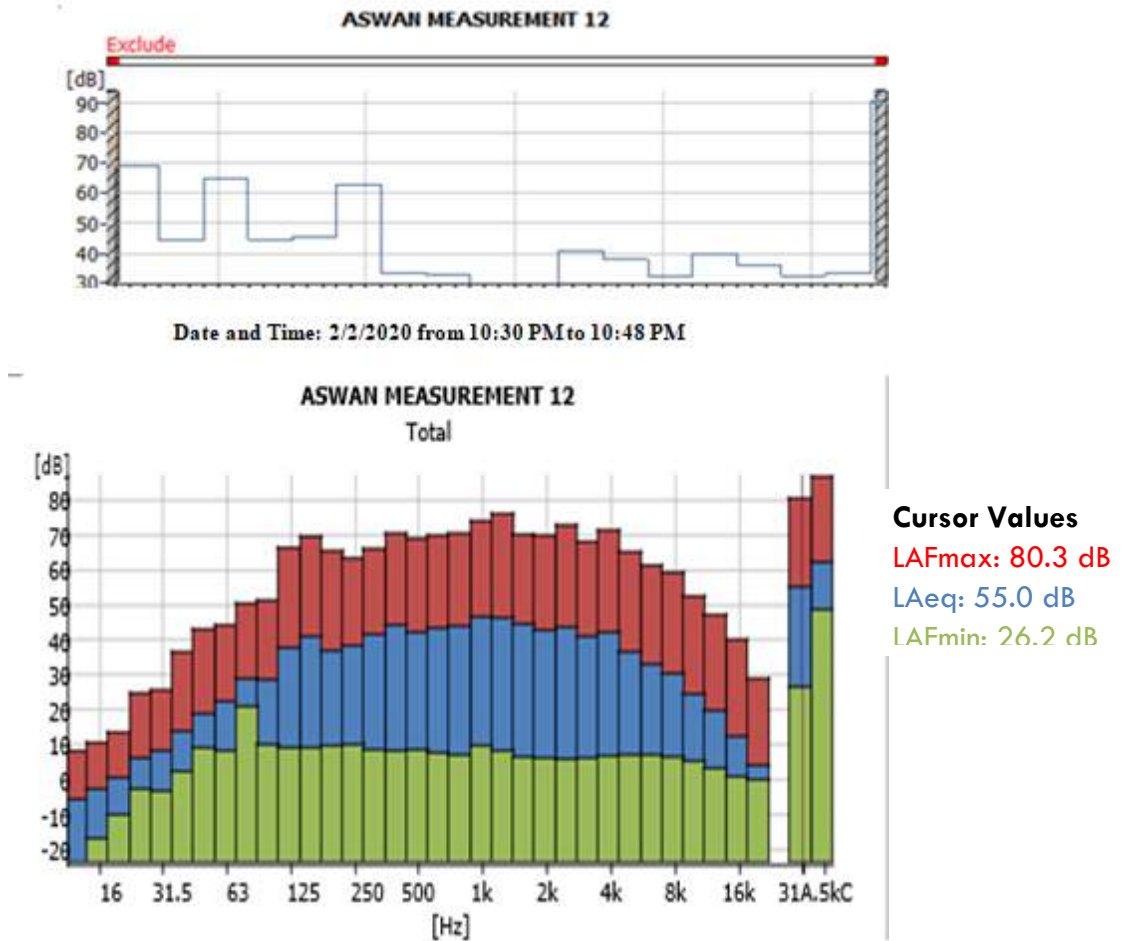


Figure 13: Night Time Measurements at Location 3

Observation:

- Only one or two motorcycles passed by.

4.2.1.4 Location 4

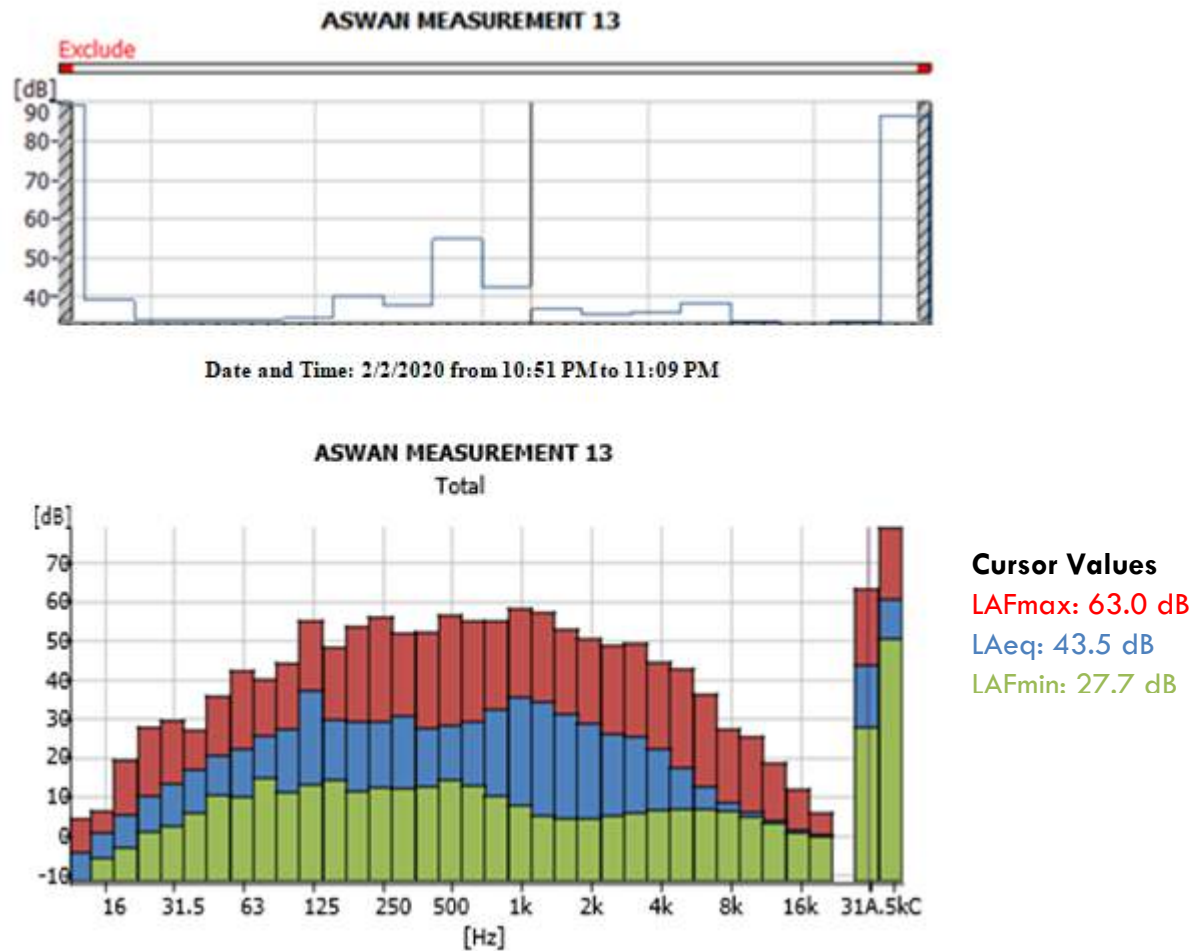


Figure 14: Night Time Measurements at Location 4

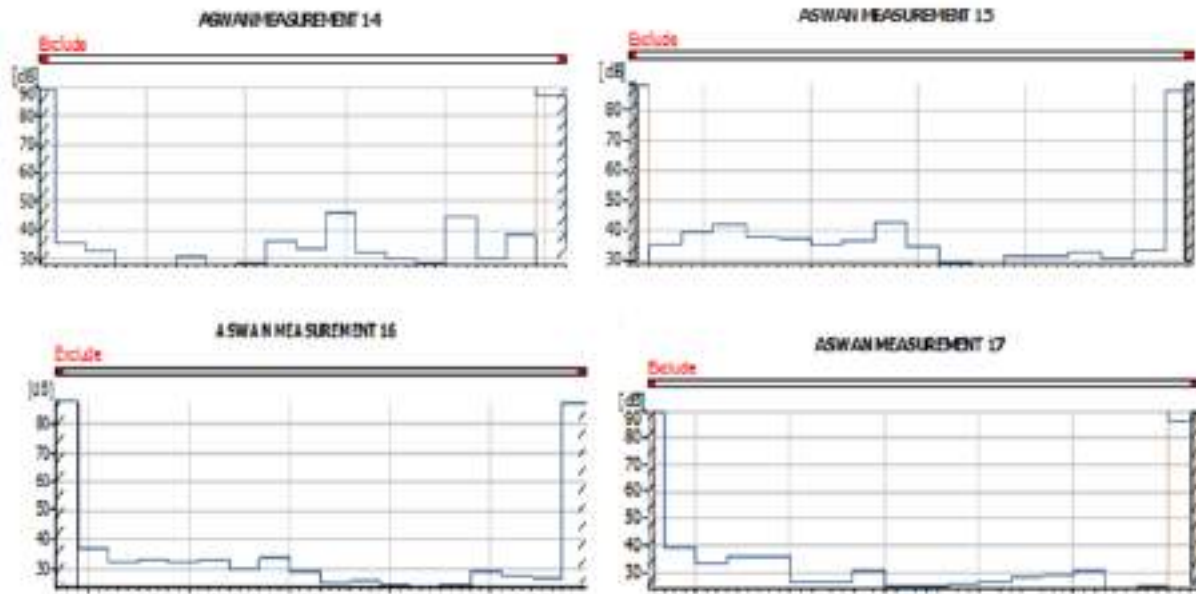
Observations:

- Only one motorcycle passed by during the measurements

4.2.2 Off-site Locations

4.2.2.1 Receptor 1

Location: Village under construction and currently abandoned



Date and Time: from 11:16 PM, 2/2/2020 to 12:28 AM, 3/2/2020

Figure 15: Night Time Measurements at Receptor 1

Leq=41.4 for one hour

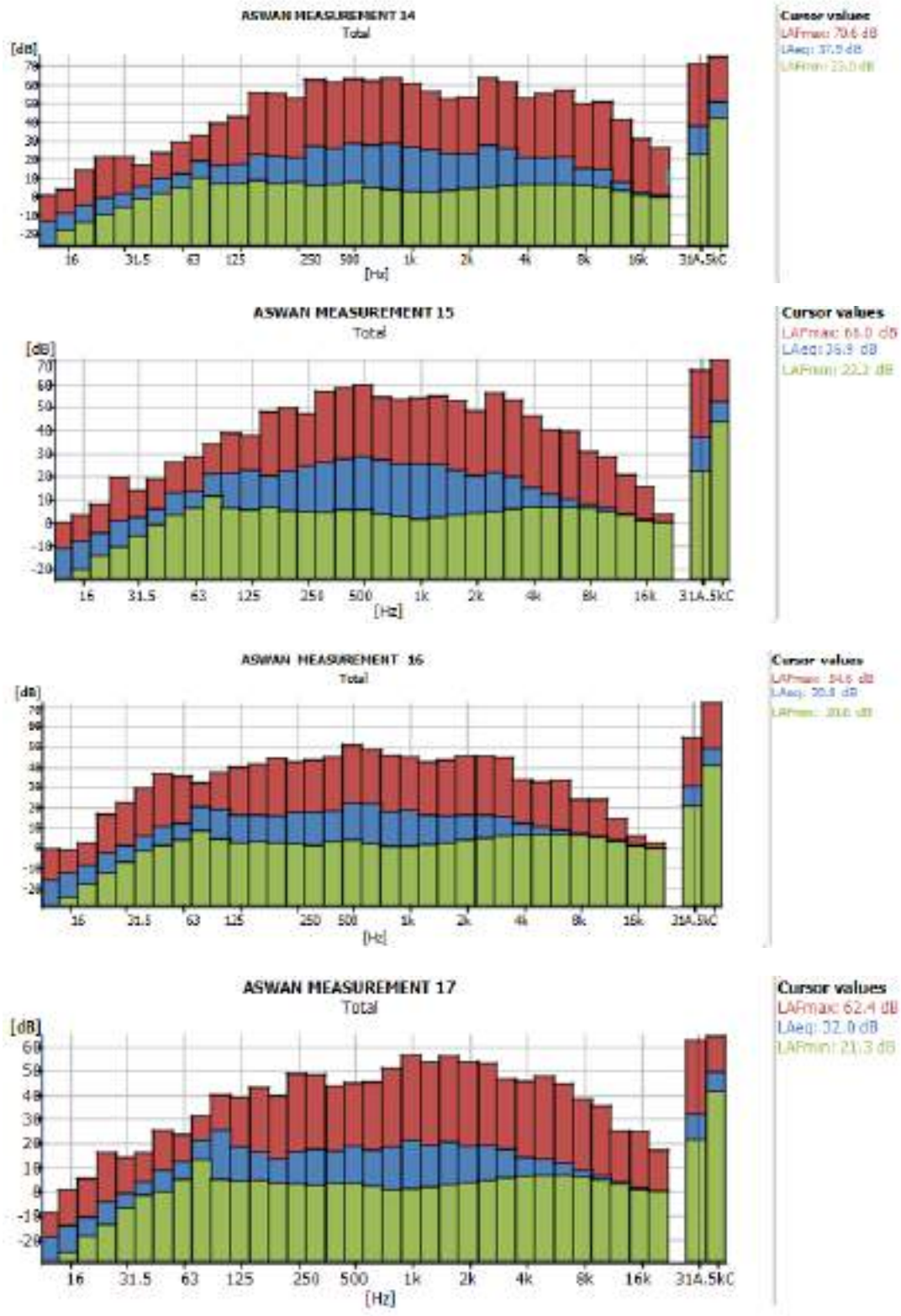
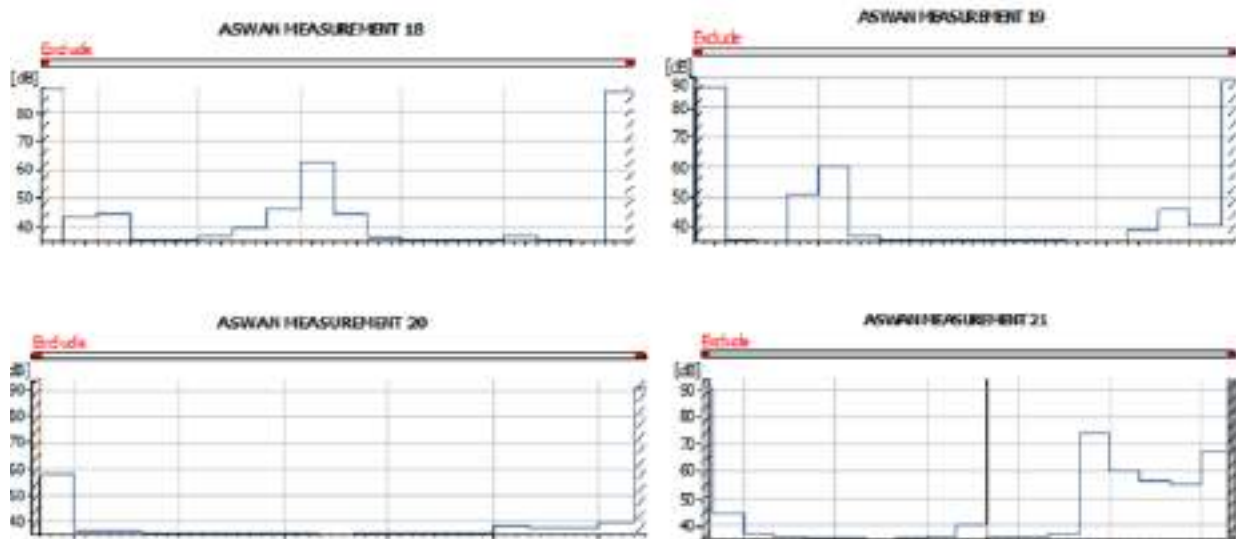


Figure 16: Night Time Measurements at Receptor 1

4.2.2.2 Receptor 2

Location: Next to a Construction Site - Construction Work Still Going On



Date and Time: 3/2/2020, from 12:34 AM to 1:46 AM

Figure 17: Night Time Measurements at Receptor 2

Leq=62.5 for one hour

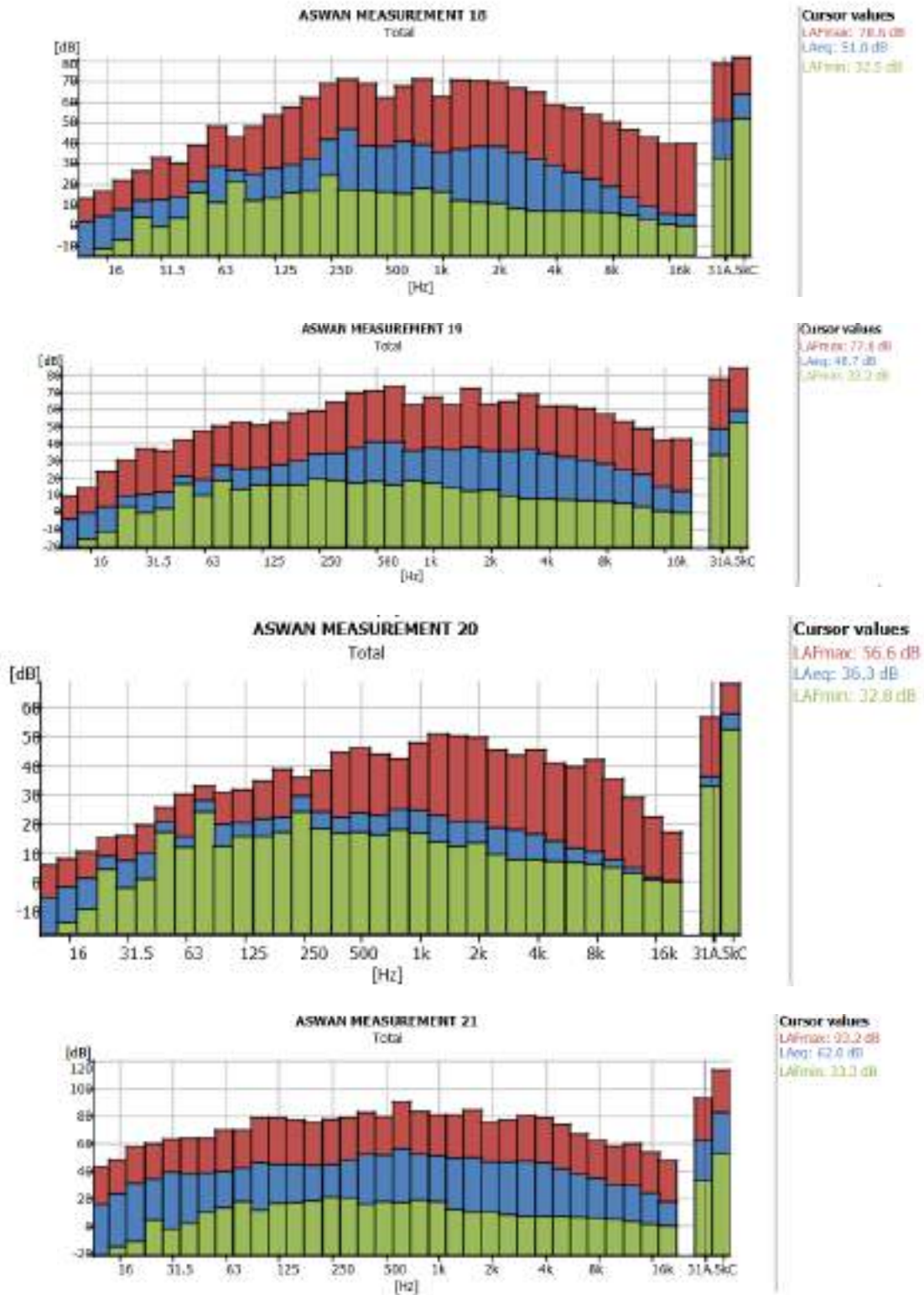


Figure 18: Night Time Measurements at Receptor 2

5. OBSERVATIONS AND CONCLUSIONS

Based on the noise monitoring survey conducted and the results collected, the following observations and conclusions were made:

- The site has no sources of noise at all, the only noise source is at the construction site next to the Project site
- The traffic rate in the area is about 3 cars every 15 minutes during day time, which is considered very low
- The construction site next to the “ACWA Power 200MW Kom Ombo solar PV” project has some activities generating noise (tracks, cars and worker movement) The abandoned village neighbouring the “ACWA Power 200MW Kom Ombo solar PV” project site has nearly no activity; only 2 to 5 cars passing by on the road per hour on average basis.
- During the nighttime, there is minimal noise generation as a result of some small electric generators nearby- at the TSK construction site.
- A few motorcycles pass by causing temporary high levels of noise; about three motorcycles pass during night time.
- Only two trucks and trailers passed during night time generating temporarily a high noise level
- A few residents visited the noise monitoring team during the time the measurement were recorded at night believing that the noise monitoring team had a car malfunction problem.
- The final conclusion is that there is no source of noise at the site currently.
- To take into consideration: during the construction phase at “ACWA Power Kom Ombo 200MW” site noise will be generated due to construction activities.

6. APPENDICES

The following appendices are annexed to this report:

- **Appendix I** – Equipment used
- **Appendix II** – Noise measurements data tables
- **Appendix III** – Calibration Certificates

Appendix I - Equipment Used for the Field Test

- All the instruments are manufactured by Bruel & Kjaer (B&K), the world's leading company in noise measurement, located in Denmark.
- One main instruments were used in the measurements:

2250 sound level meter

- The instruments will be calibrated using B&K Sound Level Calibrator
- Type 4231, which produces a reference sound of 94 dB. The calibration is performed for the microphones and the instruments before and after each group of readings.
- The microphones were mounted on Tripods Type UA0801 at a height of 1.2 meters from the ground surface.



Standards:

The instruments conform to:

- IEC651 (1979) and IEC804 (1985) Type 2;
- ANSI S1.4 (1983) and draft S1.43 (1992) Type 2;
- BS 5969 and BS 6698 Type 1.
- Instrumentations for Vibration measurements
- Data Collector System — 2526 Series
- Data Collector Type 2526 MK2
- Intrinsically Safe Data Collector Type 2526E
- Balancing Program Type 7111
- Field Analysis & Balancing (FAB) Program Type 7112

The 2250 was equipped with suitable software for RT calculations

Appendix II – Noise Measurements Data Tables ¹

Daytime Measurements

Site Boundary Locations

Location 1

Table 4: Daytime Measurements at Location 1

Start Time	Elapsed Time	LAFmax	LAFmin	LCpeak	LALeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 10:57	00:00:47	112.72	4.53	125.36	102.46	87.76	87.84	97.8	83.59	83.51	43.63	37.51	36.5	34.48
2/2/2020 10:58	00:01:00	77.15	31.82	99.02	68.89	59.34	67.86	71.02	67.52	63.08	47.27	39.21	36.74	33.6
2/2/2020 10:59	00:01:00	71.37	31.56	86.81	61.03	58.57	68.32	69.78	65.44	63.4	50.78	37.58	35.2	33
2/2/2020 11:00	00:01:00	71.42	29.72	96.51	62.25	49.77	64.65	62.5	53.88	49.87	40.4	34.57	33.06	31.1
2/2/2020 11:01	00:01:00	70.67	23.8	96.92	64.26	48.9	57.83	63	50.12	45.66	36.08	29.44	26.64	25
2/2/2020 11:02	00:01:00	61.77	22.24	89.15	53.38	40.44	63.14	50.5	44.71	42.85	34.17	25.8	24.8	22.93
2/2/2020 11:03	00:01:00	48.73	25.15	84.96	44.34	38.97	65.21	47	43.77	42.52	36.84	29.63	27.92	26.38
2/2/2020 11:04	00:01:00	75.14	25.62	97.7	66.93	52.51	63.37	66.53	55.16	50.75	39.3	29.29	27.7	26.48
2/2/2020 11:05	00:01:00	79.99	25.09	102.64	69.12	53.85	62.55	63	48.44	45.04	36.93	31.5	29.77	27.12
2/2/2020 11:06	00:01:00	65.35	24.56	82.3	53.86	43.53	58.1	54.4	47.39	44.34	34.56	28.01	27	25.47
2/2/2020 11:07	00:01:00	69.16	29.16	94.89	60.88	51.3	65.92	64.83	57.31	51.33	41	34.84	33.58	31.08
2/2/2020 11:08	00:01:00	70.16	27.04	91.62	62.49	48.63	60.56	62.8	48.92	45.5	38.08	32.22	30.5	28.24
2/2/2020 11:09	00:01:00	82.72	27.05	96.37	68.56	63.34	68.6	78.9	62.56	57.98	38.3	30.9	29.66	28.5
2/2/2020	00:01:00	53.72	26.4	84.48	41.1	39.39	63.04	52.55	44.43	41.58	34.34	30.31	28.34	27.39

¹ Highlighted values are irregular due to the Charge Injection Calibration done by the sound level meter for each measurement to ensure full calibration of the device and the accuracy of the measurement. Highlighted values are excluded in the average calculations and do not affect the overall results in any way.

11:10														
2/2/2020 11:11	00:01:00	78.22	36.33	91.73	65.58	62.64	68.12	76.14	70.76	62.49	49.28	39.71	38.18	36.84
2/2/2020 11:12	00:01:00	75.42	29.74	101.28	65.69	53.46	63.18	67.55	53.97	49.2	40.89	34.6	32.46	31.08
2/2/2020 11:13	00:01:00	61.4	28.01	87.1	52.78	46.6	60.84	55.2	52.98	51.26	40.11	31.3	30.49	29.07
2/2/2020 11:14	00:00:46	112.66	27.48	125.24	102.46	87.69	87.81	97.6	83.56	83.49	36.87	31.76	30.6	28.42

Location 2

Table 5: Daytime Measurements at Location 2

Start Time	Elapsed Time	LAFmax	LAFmin	LCpeak	LAeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 11:20	00:00:57	112.69	1.65	125.42	101.52	86.77	86.89	94.2	83.56	83.47	37.45	30.56	29	23.88
2/2/2020 11:21	00:01:00	69.67	28.84	95.04	58.84	46.46	72.48	56.5	47.93	45.98	39.49	34.26	32.75	31.14
2/2/2020 11:22	00:01:00	61.13	26.67	84.52	52.62	41.39	56.78	51.9	46.07	43.56	37	31.42	30.34	28
2/2/2020 11:23	00:01:00	50.56	24.62	73.77	43.5	35.67	53.19	43.75	40.47	38.91	33.6	28.65	27.73	25.89
2/2/2020 11:24	00:01:00	52.7	32.79	74.21	45.77	44	59.65	50.8	48.55	47.58	42.03	37.1	35.08	33.92
2/2/2020 11:25	00:01:00	65.61	24.92	91.36	55.73	46.77	59.51	61	50.59	47.9	39.86	32.06	30.13	28.2
2/2/2020 11:26	00:01:00	56.01	23.52	84.44	44.11	37.36	62.77	46.31	43.02	40.26	31.58	27.35	26.11	24.34
2/2/2020 11:27	00:01:00	63.8	20.84	84.5	50.58	40.85	58.8	53.6	35.45	33.17	26.28	23.22	22.52	21.84
2/2/2020 11:28	00:01:00	41.88	19.59	73.84	34.12	28.79	52.36	38.34	35.55	33.36	23.72	21.05	20.67	20.23
2/2/2020 11:29	00:01:00	38.4	19.84	68.25	30.67	27.68	47.98	36.04	34.02	32.18	23.95	21.23	20.71	20.17
2/2/2020 11:30	00:01:00	42.9	20.59	84.68	37.02	31.95	66.96	38.02	36.24	35.33	30.25	25.11	24.41	23.14
2/2/2020 11:31	00:01:00	49.93	22.39	83.02	40.29	33.89	61.78	44.6	39.13	36.12	30	25.38	23.96	23.27
2/2/2020 11:32	00:01:00	51.6	22.06	85.31	40.67	36.83	66.22	46.97	43.27	40.05	32.57	24.36	23.68	22.85
2/2/2020 11:33	00:01:00	59.53	23.15	82.07	41.28	36.95	62.96	42.93	37.3	34.97	30.03	26.43	25.59	23.78
2/2/2020 11:34	00:01:00	57.09	25.22	89.41	49.78	40.15	68.39	51.6	45.61	43.54	35.41	28.63	27.81	26.46
2/2/2020 11:35	00:01:00	58.08	23.09	87.24	47.79	37.6	62.97	47.26	42.16	40.39	30.7	25.45	24.47	23.53
2/2/2020 11:36	00:01:00	47.67	23.92	79.96	42.13	36.85	56.48	45.95	42.7	40.95	33.7	29.25	27.67	25
2/2/2020 11:37	00:00:37	112.72	27.37	125.3	103.42	88.68	88.77	100.6	83.76	83.65	36.05	30.01	28.97	27.65

Location 3

Table 6: Daytime Measurements at Location 3

Start Time	Elapsed Time	LAFmax	LAFmin	LCpeak	LAleq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 11:42	00:00:15	112.6	30.74	125.49	107.22	92.48	92.59	108.4	90.2	83.79	83.44	39.86	35.9	33
2/2/2020 11:43	00:01:00	56.87	5.55	83.68	78.66	38.31	55.14	51.13	42.46	39.01	32.45	28.02	27.08	25.51
2/2/2020 11:44	00:01:00	67.93	23.96	90.75	58.42	44.66	58.94	57.7	46.44	42.6	33.38	27.67	26.34	24.64
2/2/2020 11:45	00:01:00	67.16	26.55	89.67	56.65	45.73	65.44	59	47.31	46.43	37.78	32.38	30.73	28.1
2/2/2020 11:46	00:01:00	59.41	28.45	83.26	49.53	38.63	61.34	46.66	42.43	40.74	35.49	31.65	31.05	29.93
2/2/2020 11:47	00:01:00	46.68	27.37	77.42	41.12	37.19	58.92	44.4	42.65	40.48	35.24	30.99	29.74	28.08
2/2/2020 11:48	00:01:00	54.36	28.4	88.56	45.77	37.98	68.31	45.45	42.07	40.88	36.02	32.11	31.32	30.08
2/2/2020 11:49	00:01:00	42.58	27.16	80.38	38.96	36.02	62.6	41.53	40.51	39.34	34.62	30.29	29.36	28.17
2/2/2020 11:50	00:01:00	48.3	24.92	84.36	40.45	37.42	64.27	47.63	44.8	40.73	33.17	28.62	27.45	26.06
2/2/2020 11:51	00:01:00	46.66	28.28	85.75	41.94	39.14	65.9	45.93	44.79	43.07	36.67	30.88	30.22	29.23
2/2/2020 11:52	00:01:00	50.69	29.92	89.1	43.74	41.21	71.63	48.35	46.38	45.15	39.06	33.1	31.89	30.38
2/2/2020 11:53	00:01:00	57.47	23.44	78.19	46.94	36.02	61.96	47.5	39.95	35.44	29.57	26.13	25.44	24.42
2/2/2020 11:54	00:01:00	58.6	21.97	83.65	45.43	36.06	58.07	45.5	40.28	38.06	28.87	24.82	24.12	23.22
2/2/2020 11:55	00:01:00	48.88	23.59	81.23	46.69	35.91	59.8	44.5	41.53	39.8	32.34	26.3	25.01	24.36
2/2/2020 11:56	00:01:00	42.7	22.41	84.16	39.04	34.64	65.28	41.54	38.74	37.22	33.71	29.82	27.36	23.41
2/2/2020 11:57	00:01:00	50.77	28.68	92.64	44.51	40.29	69.89	48.12	45.71	44.17	37.69	33.96	32.62	30.36
2/2/2020 11:58	00:01:00	66.43	25.25	90.36	55.84	41.82	61.13	49.95	42.73	40.77	35.17	30.2	29	26.77
2/2/2020 11:59	00:01:00	62.11	25.49	87.04	49.4	41.42	65.41	50.9	45.2	43.73	35.35	29.9	28.16	26.52
2/2/2020	00:00:19	112.85	34.57	125.17	106.43	91.7	91.83	106.8	85.45	83.58	43.5	37.54	36.44	34.86

Location 4

Table 7: Daytime Measurements at Location 4

Start Time	Elapsed Time	LAFmax	LAFmin	LCpeak	LALeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 12:06	00:00:13	112.91	31.3	125.35	107.96	93.41	93.5	109.2	93.2	83.91	83.49	44	41.43	32.46
2/2/2020 12:07	00:01:00	69.88	-1.04	94.87	86.85	51.25	64.47	65.76	53.1	49.26	38.1	30.79	29.54	28.16
2/2/2020 12:08	00:01:00	68.9	23.8	97.62	60.67	47.27	56.64	61.26	49.24	44.7	33.81	27.6	26.37	24.76
2/2/2020 12:09	00:01:00	60.06	24.78	84.19	50.55	38.03	51.38	49.8	40.33	38.54	32.68	27.59	26.56	25.79
2/2/2020 12:10	00:01:00	45.78	24.62	71.78	38.52	33.49	52.52	43.76	39.53	36.15	30.24	26.38	25.73	25.11
2/2/2020 12:11	00:01:00	45.96	23.07	74.2	38.27	28.98	51.51	38.1	32.31	30.97	26.36	24.4	24.16	23.68
2/2/2020 12:12	00:01:00	45.35	24.75	78.73	39.59	33.44	55.43	40.12	37.71	36.64	31.32	27.4	26.64	25.73
2/2/2020 12:13	00:01:00	58.3	25.75	80.85	48.89	37.92	59.66	49	41.19	39.65	33.07	29.32	28.47	26.26
2/2/2020 12:14	00:01:00	56.08	24.7	79.96	47.3	37.78	61	46.26	42.17	40.81	34.67	29.51	28.13	26.83
2/2/2020 12:15	00:01:00	62.55	24.86	89.18	52.38	39.24	61.22	48.1	43.76	41.11	31.19	26.72	26.24	25.48
2/2/2020 12:16	00:01:00	63.35	23.4	81.06	52.52	40.23	51.9	52.5	41.51	38.93	30.66	25.46	24.8	23.81
2/2/2020 12:17	00:01:00	53.34	26.84	78.65	49.5	39.39	51.19	49.28	44.7	42.46	36.89	31.47	30.49	28.62
2/2/2020 12:18	00:01:00	61.27	22.22	84.77	50.81	36.62	52.44	45.8	38.38	36.4	27.56	23.61	23.29	22.66
2/2/2020 12:19	00:01:00	57.27	21.65	79.92	47.95	35.71	57.88	48.13	41.2	37.64	25.89	23.35	22.76	22.07
2/2/2020 12:20	00:01:00	53	23.55	75.49	44.03	34.02	55.71	45.8	39.15	36.16	27.29	25.04	24.69	23.94
2/2/2020 12:21	00:01:00	52.46	24.93	75.16	42.17	33.07	54.53	42.2	36.6	34.56	30.23	27.24	26.59	25.61
2/2/2020 12:22	00:01:00	70.05	25.95	94.28	60.03	47.15	59.66	59.7	46.93	44.57	37.75	31.85	30.08	27.4
2/2/2020	00:01:00	73.75	30.32	95.97	64.01	54.23	66.47	69	56.1	48.38	39.07	34.69	33.93	32.59

12:23														
2/2/2020 12:24	00:00:21	112.7	32.52	125.69	105.87	91.11	91.25	106.2	84.66	83.74	40.76	34.94	34.2	33.18

Off-site Locations

Receptor 1

Table 8: Daytime Measurements at Receptor 1

Start Time	LAFmax	LAFmin	LCpeak	LAeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 12:59	112.24	9.92	125.46	104.32	89.53	89.6	103.6	85.46	83.95	50.95	41.21	39.71	34.6
2/2/2020 13:00	79.67	29.37	99.88	68.94	57.62	62.93	71.4	56.56	53.59	43.77	36.45	34.79	30.88
2/2/2020 13:01	66.39	21.6	88.03	57.71	47.62	52.4	60.33	52.62	49.59	40.16	30.2	26.09	23.67
2/2/2020 13:02	57.87	22.27	71.39	51.93	44.87	49.71	55.36	50.84	48.59	40.39	27.75	25.1	23.21
2/2/2020 13:03	77.96	25.87	98.1	68.88	60.67	63.54	72.9	66.1	62.99	54.08	42.41	39.4	32.4
2/2/2020 13:04	62.46	29.87	89.59	55.73	47.45	56.81	57.94	54.26	50.9	42.51	36.07	34.29	32.13
2/2/2020 13:05	68.89	28.46	84.22	57.18	49.95	53.87	63.92	53.57	50.66	38.21	33.19	31.84	29.15
2/2/2020 13:06	69.57	28.3	92.49	61.71	54.2	61.48	65.36	59.48	57.78	50.5	41.3	37.31	30.33
2/2/2020 13:07	63.37	26.26	79.11	54.02	47.73	54.74	58.06	55.38	52.73	37.43	31	30.19	28.62
2/2/2020 13:08	63.6	25.28	86.16	58.9	51.02	62.44	61.62	57.93	55.21	43.85	33.81	31.71	27.92
2/2/2020 13:09	61.43	23.85	85.39	56.03	47.47	56.31	57.25	53.88	51.91	41.91	32	29.8	25.86
2/2/2020 13:10	60.79	23.6	84.3	54.41	44.06	53.17	55.37	50.08	47.62	38.18	29.41	27.21	24.77
2/2/2020 13:11	57.29	25.14	82.28	49.31	41.01	52.06	50.83	47.17	44.03	36.96	30.62	29.06	26.14
2/2/2020 13:12	58.16	24.78	77.04	48.07	44.39	52.7	55.57	52.44	48.52	33.93	28.46	27.14	25.81

2/2/2020 13:13	53.22	20.96	71.9	44.66	37.18	43.93	49.04	43.97	39.61	30.26	25.06	24.07	22.04
2/2/2020 13:14	68.74	25.47	89.2	58.56	48.31	55.23	59.73	53.3	50.66	39.79	31.16	29.54	27.04
2/2/2020 13:15	59.64	22.24	85.63	52.04	42.65	63.32	53.4	48.82	45.8	38.11	27.06	25.08	23.27
2/2/2020 13:16	112.53	26.61	125.36	100.86	86.37	86.47	92.8	83.69	83.5	38.57	32.26	30.55	28.67
2/2/2020 13:17	112.68	5.39	125.35	106.54	91.75	91.87	107.4	86.8	83.77	70.7	38.16	35.1	21.2
2/2/2020 13:18	74.92	20.34	99.83	65.85	54.03	58.66	68.12	59.86	55.26	35.73	23.93	22.4	20.96
2/2/2020 13:19	69.32	21.26	91.93	59.58	48.91	53.57	62.15	54.55	50.04	36.12	23.22	22.5	21.9
2/2/2020 13:20	60.21	22.56	75.59	48.5	41.64	52.19	56.45	46.03	41.6	31.96	26.34	25.73	23.33
2/2/2020 13:21	47.68	25.71	68.17	38.92	33.55	51.52	41.8	39.28	36.31	30.78	28.11	27.59	26.84
2/2/2020 13:22	73.48	23.45	95.57	61.82	50.29	59.35	64.8	35.51	32.43	27.8	25.1	24.68	24.17
2/2/2020 13:23	61.92	25.09	77.6	50.82	44.29	54.07	58.6	50.55	45.23	32.34	27.03	26.38	25.62
2/2/2020 13:24	66.46	25.82	91.37	56.79	45.96	54.55	59.1	50.47	46.24	35.34	27.92	27.2	26.54
2/2/2020 13:25	48.84	26.27	73.54	42.11	35.21	52.59	44.1	40.01	38.44	32.68	28.88	28.27	27.18
2/2/2020 13:26	45.35	23.34	71.66	36.5	30.96	51.67	39.75	35.36	33.67	28.32	25.46	25.05	23.85
2/2/2020 13:27	43.31	22.13	72.85	37.56	31.6	52.39	39.9	37.43	35.54	28.47	23.71	23.27	22.76
2/2/2020 13:28	63.39	23.27	86.82	55.99	46.62	54.45	58.38	54.57	50.8	29.73	24.7	24.18	23.67
2/2/2020 13:29	46.79	23.48	70.39	45.02	30.66	51.18	41.46	34.41	32.66	28.02	25.76	25.24	24.15
2/2/2020 13:30	40.67	24.83	75.73	36.48	34.87	57.79	39.55	38.49	38.04	34.53	27.16	26.27	25.53

2/2/2020 13:31	50.94	19.63	73.62	42.28	36.28	46.44	46.91	43.71	39.93	29	22.24	21.24	20.24
2/2/2020 13:32	58.54	18.41	83.2	48.55	37.5	42.38	49.86	44.29	39.66	24.78	19.53	19.15	18.66
2/2/2020 13:33	51.32	20.02	78.55	44.33	38.54	57.11	48.31	44.53	42.68	33.68	24.4	22.78	21.1
2/2/2020 13:34	46.66	21.03	85.17	41.33	35.52	59.28	43.41	41.11	39.61	32.89	27.05	24.84	21.85
2/2/2020 13:35	112.69	21.67	125.35	107.05	92.28	92.38	107.6	87.8	83.59	78.7	25.28	23.46	22.28
2/2/2020 13:35	112.72	-5.31	125.5	105.9	91.15	91.24	106.6	84.93	83.57	40.53	24.77	21.08	
2/2/2020 13:36	63.54	21.91	89.12	55.89	46.22	54.53	58.6	54.2	46.3	34.06	25.5	24.21	22.72
2/2/2020 13:37	59.46	21.58	75.83	51.11	46.08	54.89	56.65	53.93	51.85	33.89	25.53	24.84	23.02
2/2/2020 13:38	53.4	19.24	72.51	43.66	37.94	43.35	47.71	44.79	43.02	27.15	22.15	21.2	19.98
2/2/2020 13:39	48.85	18.5	78.12	40.41	33.45	56.65	45.72	40.17	36.4	27.08	20.59	19.79	18.8
2/2/2020 13:40	55.61	18.85	79.41	45.74	36.36	52.84	48.2	41.47	38.71	27.86	21.02	20.18	19.33
2/2/2020 13:41	52.76	18.49	75.69	44.27	35.33	48.32	47.34	43.77	38.9	25.4	20.5	19.84	19.21
2/2/2020 13:42	63.01	18.43	80.44	52.62	44.74	53.88	58.4	52.31	39.53	25.51	20.55	19.83	18.82
2/2/2020 13:43	65.57	19.19	83.2	60.14	54.15	63.19	63.64	61.08	59.5	39.95	22.08	21.05	19.8
2/2/2020 13:44	67.09	18.13	86.29	59.04	52.28	61.23	63.65	60.33	57.2	27.88	20.41	19.65	18.66
2/2/2020 13:45	45.23	17.94	67.55	34.06	26.91	41.69	38.1	30.44	28.48	22.49	19.1	18.7	18.16
2/2/2020 13:46	45.64	18.51	70.93	37.52	30.87	52.17	41.8	37.43	34.93	25.63	21.14	20.27	18.91
2/2/2020 13:47	47.24	20.6	78.81	38.88	34.75	54.93	44.3	41.05	39.44	28.01	23.77	22.67	21.26

2/2/2020 13:48	59.14	21.95	84.75	49.76	39.21	60.57	49.86	44.7	41.93	31.92	26.43	25.25	23.1
2/2/2020 13:49	51.79	22.52	80.17	43.06	39.15	59.03	47.71	45.09	43.35	35.08	25.42	24.7	23.27
2/2/2020 13:50	50.39	20.56	78.97	41.56	33.76	58.59	45.15	39.1	36.48	29.32	23.78	22.67	21.1
2/2/2020 13:51	62.3	19.76	85.7	52.34	39.96	45.84	48.14	44.39	42.26	34.06	23.83	21.92	20.76
2/2/2020 13:52	55.68	22.36	81.36	47.96	39.59	58.76	50.86	45.06	41.72	34.58	28.45	27.04	24.17
2/2/2020 13:53	112.52	30.62	125.58	107.81	93	93.1	108.6	91.4	83.64	83.43	33.47	32.67	31.18
2/2/2020 13:53	112.75	4.66	125.31	106.15	91.38	91.46	107	85.26	83.58	53.56	31.22	28.32	23.8
2/2/2020 13:54	50.43	19.86	81.71	40.49	32.15	58.5	42.86	37.17	34.39	26.07	21.48	20.94	20.39
2/2/2020 13:55	45.38	19.28	74.88	36.22	31.98	55.61	40.21	38.15	36.4	27.85	21.98	20.67	19.66
2/2/2020 13:56	49.4	18.38	80.45	38.92	26.82	56.93	35.48	31.58	28.76	21.08	19.2	18.98	18.64
2/2/2020 13:57	71.71	19	92.83	61.07	46.17	60.07	55.2	46.45	40.66	28.47	22.25	21	19.8
2/2/2020 13:58	60.32	18.49	76.25	47.52	37.28	56.91	47.4	38.88	35.21	24.48	19.65	19.16	18.72
2/2/2020 13:59	70.54	18.29	88.66	51.9	46.57	49.52	55.13	44.7	39.67	24.93	19.84	19.45	18.67
2/2/2020 14:00	68.48	22.1	88.74	60.63	47.58	52.27	63.77	51	44.58	33.7	25.71	24.12	23.14
2/2/2020 14:01	55.4	19.71	81.04	45.58	35.02	55.42	45.18	39.67	37.22	30.86	23.75	22.74	20.46
2/2/2020 14:02	54.32	18.76	76.92	42.37	33.61	48.36	45.1	38.3	35.59	23.89	19.8	19.33	18.93
2/2/2020 14:03	75.94	18.94	97.7	64.21	51.85	58.87	66.4	44	38.9	27.05	20.45	19.92	19.3
2/2/2020 14:04	44.7	18.27	65.56	36.73	29.38	43.55	39.15	35.79	33.87	23.83	19.33	18.92	18.53

2/2/2020 14:05	63.43	18.22	81.67	53.89	46.51	52.92	59.8	54.12	49.31	27.56	19.49	18.98	18.49
2/2/2020 14:06	68.1	19.18	87.56	63.25	56.63	64.23	65.68	63.32	61.3	48.28	23.01	21.06	19.66
2/2/2020 14:07	75.95	19.3	90.95	66.78	59.61	65.81	71.4	66.24	62.83	45.7	22.46	21.09	19.66
2/2/2020 14:08	72.62	21.97	94.87	63.07	56.23	62.48	68.05	64.22	61.48	32.35	25.18	24.26	22.88
2/2/2020 14:09	73.58	18.48	90.81	65.95	57.69	62.54	69.22	65.41	61.95	43.57	27.82	23.81	18.84
2/2/2020 14:10	56.82	18.1	76.76	48.72	43.46	48.87	54.3	49.74	47.91	35.23	23.22	21.28	18.73
2/2/2020 14:11	112.71	19.57	125.27	107.62	92.89	92.97	108.4	90.2	83.59	83.41	27.22	24.68	19.96

Receptor 2

Table 9: Daytime Measurements at Receptor 2

Start Time	LAFmax	LAFmin	LCpeak	LALeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 14:18	112.44	20.54	125.2	103.25	88.51	88.58	100.8	83.98	83.57	51.52	50.4	50.15	49.64
2/2/2020 14:19	65.08	50.61	89.33	58.98	56.69	70.89	64.6	61.35	59.79	53.93	51.93	51.58	51.1
2/2/2020 14:20	60.68	47.4	88.51	55.5	51.16	69.74	56.9	53.44	52.64	50.64	49.08	48.79	48.2
2/2/2020 14:21	83.41	47.48	95.51	69.38	63.8	70.38	79.25	63.16	57.21	49.93	48.58	48.29	47.88
2/2/2020 14:22	62.86	47.02	80.38	54	50.39	68.59	57.06	52.68	51.54	49.6	48.3	48.04	47.55
2/2/2020 14:23	55.68	46.44	83.23	52.63	50.32	68.73	54.41	52.51	51.79	49.95	48.42	47.92	47.11
2/2/2020 14:24	79.67	49.88	96.42	69.53	66.64	72.55	79.09	74.78	69.55	53.97	51.64	51.24	50.49
2/2/2020 14:25	69.48	48.94	101.71	60.37	53.27	69.42	62.2	55.78	54.15	51.66	50.39	50.1	49.63
2/2/2020 14:26	67.78	47.5	85.17	58.28	51.23	69.86	57.3	52.74	51.77	50.18	48.84	48.59	48.15
2/2/2020 14:27	81.17	47.82	95.89	67.19	63.37	72.29	78.9	66.5	59.63	50.43	49.13	48.88	48.43
2/2/2020 14:28	76.58	48.09	92.93	64.16	61.48	71.1	75.75	66.22	63.53	52.58	49.49	49.17	48.66
2/2/2020 14:29	64.24	46.94	82.37	54.08	53.16	68.56	63.17	59.45	55.73	49.14	48.12	47.87	47.47
2/2/2020 14:30	82.71	47.25	98.8	64.84	63.9	72.61	79.8	62.35	53.28	49.17	48.3	48.1	47.78
2/2/2020 14:31	78.08	46.36	93.85	66.34	55.22	71.03	69.1	61.6	51.81	48.72	47.76	47.57	47.2
2/2/2020 14:32	63.94	46	82.88	53.02	49.82	69.37	55.96	52.67	51.45	48.68	47.14	46.84	46.44
2/2/2020	79.13	45.92	94.31	63.78	62.23	69.89	77.63	65.6	52.88	49.27	47.48	47.17	46.64

14:33													
2/2/2020 14:34	72.1	46.56	89.7	61.77	57.89	70.62	70.87	67.11	54.95	48.79	47.73	47.49	47.05
2/2/2020 14:35	112.89	46.52	125.3	101.78	87.04	87.19	94.6	83.7	83.53	48.9	47.53	47.31	46.97
2/2/2020 14:36	112.66	15.55	125.34	102.64	87.88	88.05	98.8	83.74	83.61	51.38	49.03	48.71	47.46
2/2/2020 14:37	51.45	47.13	84.13	50.33	49.13	69.66	50.86	50.36	50.09	49.03	48.12	47.91	47.6
2/2/2020 14:38	58.41	46.52	83.88	52.27	51.11	69.82	57.64	53.3	52.58	50.84	48.27	48	47.49
2/2/2020 14:39	75.33	51.71	94.09	67.38	66.58	76.14	74.7	73.57	72.45	59.3	53.61	53.36	52.73
2/2/2020 14:40	68.95	49.02	86.53	59.4	58.55	70.44	68.18	65.21	62.6	53.82	50.79	50.45	49.95
2/2/2020 14:41	80.19	48.49	93.94	69.16	66.49	73.88	77.85	73.3	71.77	56.27	51.42	50.52	49.44
2/2/2020 14:42	82.61	47.37	96.89	68.55	64.33	70.54	80.05	67.65	59.33	50.37	48.8	48.56	48.16
2/2/2020 14:43	62.37	47.88	82.66	55.65	51.43	68.33	58.5	55.21	53.43	50.25	49.08	48.81	48.43
2/2/2020 14:44	54.58	48.01	80.33	51.67	50.63	68.35	52.74	52.13	51.85	50.54	49.05	48.8	48.45
2/2/2020 14:45	77.35	47.79	92.6	63.67	62.09	71.41	74.35	68.7	63.04	51	49.37	49.03	48.43
2/2/2020 14:46	77.12	48.55	91.07	61.98	58.7	69.69	72.6	66.58	57	50.59	49.61	49.4	49.02
2/2/2020 14:47	54.4	48.59	85.23	51.79	50.5	70.39	52.23	51.65	51.36	50.38	49.63	49.43	49.07
2/2/2020 14:48	59.58	49.32	88.32	52.4	51.21	72.24	55.9	52.22	51.95	50.88	50.15	50.01	49.76
2/2/2020 14:49	58.05	48.99	94.53	53.62	51.69	72.54	54.04	53.29	52.9	51.48	50.41	50.14	49.7
2/2/2020 14:50	66.87	50.69	85.37	59.5	56.8	69.54	66.1	62.52	59.91	53.27	51.51	51.3	51.01
2/2/2020	68.03	49.64	90.02	60.48	58.51	70.85	65.47	64.09	63.38	53.56	51.05	50.69	50.3

14:51													
2/2/2020 14:52	76.12	48.05	103.44	66.52	58.57	70.51	70.54	65.46	62.24	50.92	49.46	49.11	48.61
2/2/2020 14:53	113.11	47.5	125.42	102.47	87.78	87.96	97	83.73	83.59	50.91	49.08	48.79	48.25
2/2/2020 14:54	113.09	39.65	125.36	102.53	87.9	88.41	97.4	85.23	83.81	57.82	49.7	49.13	48.58
2/2/2020 14:55	54.7	46.78	83.69	50.89	49.35	68.77	52.66	51.12	50.53	49.08	48.1	47.74	47.22
2/2/2020 14:56	56.21	46.94	87.39	51.05	49.39	69.93	52.9	51.05	50.39	49.15	48.05	47.84	47.42
2/2/2020 14:57	68.14	48.42	83.33	57.94	52.51	69.37	59.38	56.29	55.01	50.35	49.33	49.12	48.83
2/2/2020 14:58	65.91	49.32	87.63	58.92	55.45	72.86	62.16	59.07	57.52	55	50.44	50.09	49.67
2/2/2020 14:59	73.96	49.48	93.72	65.21	64.54	75.16	73.15	72.01	69.5	57.12	50.75	50.47	50.1
2/2/2020 15:00	58.41	47.46	87.25	53.51	51.91	71.6	56.76	54.8	54.17	51.19	48.87	48.55	48.11
2/2/2020 15:01	57.14	47.4	87.33	52.46	50.18	70.82	53.07	52.19	51.8	49.8	48.59	48.34	47.94
2/2/2020 15:02	84.24	52.25	98.48	73.05	72.47	77.3	83.24	81.46	77.17	57.56	54.28	53.62	52.82
2/2/2020 15:03	63.58	48.76	91.11	56.71	53.79	71.52	60.25	58.61	57.16	52.16	50.31	50.01	49.44
2/2/2020 15:04	79.43	47.63	93.28	66.27	62.81	71.46	77.17	67.32	62.77	53.45	49.17	48.6	48.05
2/2/2020 15:05	66.81	47.43	87.52	59.68	54.21	71.06	63.55	59.84	57	51.45	48.8	48.48	48.02
2/2/2020 15:06	74.36	47.6	96.97	66.96	60.33	72.62	70.7	66.83	65.15	51.71	49.52	48.98	48.25
2/2/2020 15:07	85.08	47.39	98.68	72.16	67.16	76.1	81.3	73.88	68.52	50.41	48.95	48.57	48.03
2/2/2020 15:08	69.47	46.16	89.86	58.02	53.79	70.6	67.7	56.49	52.85	50.2	47.94	47.44	46.8
2/2/2020	70.8	45.75	96.09	62.99	51.27	70.06	61.4	53.78	50.74	47.75	46.67	46.46	46.12

15:09													
2/2/2020 15:10	61.09	46.93	83.76	55.23	51.77	69.52	56.4	54.53	53.89	51.19	48.78	48.31	47.73
2/2/2020 15:11	112.66	48.43	125.57	102.53	87.77	87.93	98	83.73	83.6	51.55	49.63	49.29	48.88
2/2/2020 15:12	112.87	16.87	125.67	104.06	89.34	89.71	102.4	83.77	83.68	66.09	53.07	51.83	50
2/2/2020 15:13	70.55	47.5	89.95	62.23	56.43	68.79	69.55	62.3	57.27	50.22	48.9	48.62	48.11
2/2/2020 15:14	65.67	47.58	94.57	58.28	53.14	69.75	62.12	57.91	55.84	50.74	48.92	48.54	48.07
2/2/2020 15:15	65.25	47.45	87.77	57.32	55.15	70.19	64.65	62.76	58.9	50.17	48.72	48.48	48.09
2/2/2020 15:16	90.85	50.79	101.29	76.89	71.51	75.5	87	73.78	66.56	57.23	53	52.63	51.45
2/2/2020 15:17	87.06	49.28	103.42	74.03	71.59	77.29	86.4	77.05	71.52	54.01	51.09	50.55	50.07
2/2/2020 15:18	59.76	49.17	90.88	56.55	55.18	72.11	58.99	58.36	57.97	53.55	50.55	50.25	49.82
2/2/2020 15:19	58.85	47.76	84.08	54.25	52.54	70.11	58.37	57.92	54.86	51.54	49.05	48.77	48.3
2/2/2020 15:20	71.21	45.94	87.51	59.52	58.15	70.36	70.82	65.1	57.65	50.88	48.1	47.64	46.9
2/2/2020 15:21	61.3	46.11	90.3	54.71	50.19	70.95	57.71	54.4	52.43	48.61	47.32	47.03	46.65
2/2/2020 15:22	71.26	45.64	88.89	58.44	57.1	72.95	70.49	63.82	60.31	47.93	46.89	46.63	46.23
2/2/2020 15:23	75.26	46.43	93.58	64.49	62.48	74.63	74.22	69.34	65.57	55.37	47.71	47.36	46.87
2/2/2020 15:24	57.22	46.86	85.71	53.34	50.09	69.65	55.7	52.96	51.82	49.28	48.22	47.92	47.48
2/2/2020 15:25	59.94	46.95	84.36	53.74	50.65	69.36	55.71	52.99	52.16	50.03	48.73	48.33	47.66
2/2/2020 15:26	63.09	48.2	86.14	59.25	57.45	71.19	61.59	60.87	60.52	57.77	49.79	49.33	48.7
2/2/2020	83.06	57.87	99.7	72.35	71.22	78.38	82.49	79	74.7	62.85	59.16	58.83	58.24

15:27													
2/2/2020 15:28	70.13	51.99	89.73	60.02	56.74	75.9	63.29	61.72	60.13	55.11	53.52	53.24	52.65
2/2/2020 15:29	113.06	52.62	125.54	101.58	86.94	87.43	93.4	83.69	83.5	59.18	54.27	53.95	53.38
2/2/2020 15:30	54.85	53.97	81.95	93.75	54.39	71.73	54.93	54.72	54.58	54.34	54.08	54.03	54

Night Time Measurements

Location 1

Table 10: Night Noise Measurements at Location 1

Start Time	LAFmax	LAFmin	LCpeak	LAeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 21:52	111.42	6.04	124.96	102.06	87.2	87.25	98.8	83.74	83.54	37.75	35.1	34.56	33.82
2/2/2020 21:53	69.67	34.98	95.24	60.15	48.12	62.43	59.15	51.61	48.83	43.73	39.79	39.02	36.57
2/2/2020 21:54	55.1	35.89	85.25	48.44	41.19	60.87	51.45	46.5	43.62	38.16	36.98	36.72	36.37
2/2/2020 21:55	54.04	33.39	76.28	45.13	39.36	59.34	48.44	43.51	41.36	36.99	34.6	34.27	33.8
2/2/2020 21:56	44.56	32.92	76.64	40.95	36.73	57.9	42.7	40.35	39.13	35.59	34.27	34	33.52
2/2/2020 21:57	47.27	32.71	70.83	40.54	35.72	57.16	41.25	37.52	36.65	35.2	34.1	33.8	33.27
2/2/2020 21:58	53.31	34.06	77.78	47.23	40.47	57.22	49.33	45.15	43.39	37.82	35.23	34.9	34.41
2/2/2020 21:59	53.87	34.26	71.55	46.47	40.94	56.4	49.7	45.95	44	38.21	35.53	35.18	34.69
2/2/2020 22:00	58.01	34.02	73.5	48.29	42.97	57.09	50.8	48.49	46.93	38.81	35.27	34.98	34.66
2/2/2020 22:01	50.7	35.6	72.58	45.65	43.73	59.08	49.19	48.12	47.31	41.87	37.77	37.27	36.67
2/2/2020 22:02	48.65	33.47	70.01	42.66	38.33	55.37	44.95	42.1	40.82	36.88	34.8	34.44	33.95
2/2/2020 22:03	52.86	33.91	82.9	45.58	38.67	56.43	48.42	42.61	40.31	36.53	35	34.72	34.36
2/2/2020 22:04	74.82	34.31	98.07	63.88	50.59	63.28	61.15	49.82	46	38.63	35.4	35.15	34.78
2/2/2020 22:05	66.54	33.76	95.24	56.85	46.44	61.58	59	50.73	47.66	39.32	35.61	35.21	34.58
2/2/2020 22:06	52	33.91	74.79	45.07	39.72	58.08	48.4	44.76	42.52	37.11	35.22	34.88	34.46
2/2/2020 22:07	55.39	34.47	73.02	46.9	41.16	57.74	49.65	45.92	44.17	38.61	35.52	35.22	34.88
2/2/2020	52.95	34.59	74.36	45.4	40.43	57.74	49.4	45.57	43.06	37.97	35.78	35.52	35.05

22:08													
2/2/2020 22:09	112.63	34.32	125.53	101.8	87.03	87.11	95.4	83.55	83.47	38.21	35.74	35.37	34.83

Location 2

Table 11: Night Noise Measurements at Location 2

Start Time	LAFmax	LAFmin	LCpeak	LAeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 22:10	112.69	4.62	125.21	105.26	90.53	90.6	105.4	83.97	83.56	42.23	35.49	35.07	29
2/2/2020 22:11	53.35	34.17	76.97	43.86	39.29	61.1	48.65	44.23	42.02	36.58	35.42	35.19	34.71
2/2/2020 22:12	48.15	34.43	78.51	43.58	39.2	60.19	46.85	44.18	41.8	37.31	35.82	35.57	35.11
2/2/2020 22:13	50.2	33.47	77.7	45.01	39.91	59.67	47.48	44.72	43.25	37.76	34.9	34.59	34.11
2/2/2020 22:14	47.61	33.64	75.15	42.83	38.33	58.03	44.6	41.96	40.97	37.1	34.89	34.55	34.1
2/2/2020 22:15	48.28	34.35	72.76	45.15	40.31	57.51	46.48	44.67	43.46	38.85	35.63	35.32	34.86
2/2/2020 22:16	55.47	34.41	74.46	46.63	41.55	58.06	52.8	45.38	43.94	38.59	35.61	35.28	34.84
2/2/2020 22:17	59.95	34.45	88.35	52.98	45.31	60.18	56.9	52.53	48.31	39.01	35.68	35.32	34.85
2/2/2020 22:18	59.69	33.97	77.12	52.48	45.79	59.68	57.02	52.15	49.17	39.7	35.16	34.86	34.31
2/2/2020 22:19	65.91	33.61	91.03	56.68	47.25	60.97	58.25	53.86	50.55	37.89	34.98	34.7	34.16
2/2/2020 22:20	59.24	34.02	77.33	55.89	49.66	61.11	56.96	54.95	53.72	47.05	37.35	36.18	34.72
2/2/2020 22:21	60.08	34.54	75.69	53.02	46.52	60.53	56.35	53.02	50.51	42.09	36.6	35.77	35.15
2/2/2020 22:22	57.79	34.8	74.77	51.65	45.2	58.77	54.7	51.32	48.61	41.8	36.73	36.1	35.61
2/2/2020 22:23	58.5	35	77.97	54.18	47.67	59.14	55.76	53.02	51.69	44.61	38.07	36.64	35.62
2/2/2020 22:24	63.43	35.15	80.4	56.14	49.07	58.88	59.33	54.39	52.65	45.13	38.48	37.38	36.36
2/2/2020 22:25	59.03	34.81	80.24	54.4	47.39	58.09	56.38	53.57	51.4	43.5	37.06	36.38	35.85
2/2/2020 22:26	69.33	34.45	86.75	58.56	48.85	58.52	58.8	52.74	50.92	44.2	37.61	36.66	35.62
2/2/2020 22:27	83.44	35.51	87.72	70.36	70.25	70.55	83.54	63.4	55.2	45.56	38.75	37.3	36.25

2/2/2020 22:28	112.63	39.77	125.2	109.07	94.18	94.27	109.8	96.4	84.93	83.21	43.21	41.6	40.2
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Location 3

Table 12: Night Noise Measurements at Location 3

Start Time	LAFmax	LAFmin	LCpeak	LAeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 22:30	112.42	31.61	125.49	107.44	93.96	94.02	109.8	97.8	85.8	83.43	38.2	36.5	32.5
2/2/2020 22:31	85.52	2.52	110.72	95.57	68.99	70.79	83.35	54	38.22	32.43	31.04	30.76	30.23
2/2/2020 22:32	55.2	31.13	75.64	47.25	44.41	56.97	50.05	49.56	49.23	40.12	34.76	33.54	32.05
2/2/2020 22:33	80.34	44.77	95.63	67.05	64.99	71.02	78.49	69.77	68.68	54.3	47.81	45.91	45.13
2/2/2020 22:34	52.61	35.54	72.71	45.55	44.64	56.64	51.78	50.89	48.4	40.54	37.32	36.66	35.93
2/2/2020 22:35	57.23	32.88	75.34	47.05	45.39	56.6	55.96	52.45	48.02	40	34.78	34.31	33.5
2/2/2020 22:36	78.61	31.17	93.8	68.16	63.06	68.75	74.2	70.21	67.8	46.52	35.6	34	32.37
2/2/2020 22:37	48.65	27.04	70.85	40.19	33.64	54.2	43.6	39.25	36.07	29.66	28.16	27.92	27.6
2/2/2020 22:38	47.11	26.75	72.65	38	32.85	55.81	43.12	38	34.76	29.56	27.91	27.68	27.36
2/2/2020 22:39	41.67	26.24	74.31	33.47	29.85	56.51	38.35	32.21	31.04	28.66	27.71	27.5	27.11
2/2/2020 22:40	37.53	26.41	70.12	32.65	29.61	54.44	35.96	33.38	32.02	28.23	27.47	27.27	26.93
2/2/2020 22:41	59.14	26.19	83.17	52.64	40.8	57.71	52.9	45.2	42.8	34.43	27.69	27.44	27.05
2/2/2020 22:42	54.27	27.3	75.19	45.82	37.91	55.79	48.33	43.26	41.55	33.69	28.79	28.33	27.91
2/2/2020 22:43	50.39	27.69	72.52	40.05	32.39	56.35	38.4	35.09	33.95	30.87	28.84	28.47	28.05
2/2/2020 22:44	56.37	30.14	76.98	46.36	39.89	57.94	46.4	42.79	42.03	38.66	33.42	32.27	30.92
2/2/2020 22:45	50.6	28.38	75.97	42.62	36.11	57.52	45.3	41.04	39.02	32.91	29.91	29.52	29
2/2/2020 22:46	40.76	28	74.37	35.2	32.65	56.51	39.7	38.05	36.37	30.63	29.22	28.9	28.48
2/2/2020 22:47	44.93	27.74	75.87	36.94	33.41	57.24	42.22	38.78	36.19	30.57	29.16	28.87	28.42

2/2/2020 22:48	112.7	27.8	125.5	105.33	90.53	90.62	105.2	83.82	83.54	33.44	29.17	28.92	28.46
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Location 4

Table 13: Night Noise Measurements at Location 4

Start Time	LAFmax	LAFmin	LCpeak	LAEq	LAEq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 22:51	112.65	1.12	125.54	104.12	89.37	89.45	103	83.59	83.51	35.3	31.79	31.26	30.06
2/2/2020 22:52	58.04	30.45	88.4	48.42	39	60.79	50.22	41.93	39.24	35.33	32.83	32.32	31.43
2/2/2020 22:53	38.51	29.5	73.98	36.4	33.92	59.54	37.58	36.58	36.03	33.43	31.09	30.72	30.15
2/2/2020 22:54	39.09	28.97	74.15	36.3	34.03	59.81	37.56	36.69	36.09	33.64	31.34	30.89	30.21
2/2/2020 22:55	43.63	29.67	73.51	37.53	34.28	59.68	37.4	36.43	35.89	34.03	31.87	31.42	30.77
2/2/2020 22:56	42.75	29.55	74.41	36.93	34.7	59.12	40	37.77	36.73	33.92	31.99	31.5	30.57
2/2/2020 22:57	45.62	32.17	75.32	41.26	40.12	60.38	45	44.34	43.7	38.62	35.44	34.87	33.81
2/2/2020 22:58	45.41	30.51	73.89	39.18	37.63	59.97	44.7	43.42	41.7	35.34	32.68	32.2	31.6
2/2/2020 22:59	63	41.88	81.16	55.68	54.77	66.77	61.71	60.45	59.5	50.07	45.75	45.17	43.97
2/2/2020 23:00	49.24	33.39	75.9	44.58	42.68	61.78	46.66	45.49	45.15	41.81	37.53	35.8	34.73
2/2/2020 23:01	41.67	32.58	74.56	39.15	36.92	60.36	40.81	39.59	38.7	36.58	34.47	34.05	33.32
2/2/2020 23:02	45.09	30.5	75.16	38.86	35.59	59.88	42.02	38.86	37.52	34.69	32.7	32.33	31.38
2/2/2020 23:03	45.21	29.96	73.44	40.21	36.15	59.3	42.32	40.15	38.8	34.9	32.74	32.02	30.63
2/2/2020 23:04	62.56	28.42	87.53	51.61	38.36	56.77	44.4	38.85	36.92	32.35	30.35	29.86	29.02
2/2/2020 23:05	45.2	27.72	71.86	37.23	33.47	56.47	42.27	38.43	35.8	31.22	29.29	28.93	28.39
2/2/2020 23:06	41.52	28.84	70.97	36.67	33.04	56.05	39.61	37.39	35.57	31.82	30.27	30.02	29.61
2/2/2020 23:07	48.48	28.12	71.85	38.82	33.55	56.44	43.15	37.55	35.74	31.57	29.56	29.12	28.61
2/2/2020 23:08	112.71	29	125.48	101.25	86.57	86.67	93.2	83.51	83.34	32.62	30.76	30.36	29.75

Off-site Locations

Receptor 1

Table 14: Night Noise Measurements at Receptor 1

Start Time	LAFmax	LAFmin	LCpeak	LALeq	LAeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/2/2020 23:16	112.64	2.19	125.55	103.98	89.23	89.32	102.8	83.59	83.53	41.15	32.74	30.3	26.5
2/2/2020 23:17	58.81	23.94	81.75	47.71	35.78	52.06	45.6	38.83	36.2	28.86	25.71	25.32	24.61
2/2/2020 23:18	52.03	23.04	75.82	41.08	32.57	49.32	47.4	31.26	29.28	26.38	24.66	24.33	23.76
2/2/2020 23:19	37.85	23.68	71.08	31.65	27.88	51.2	34.16	31.22	29.85	26.86	25.33	25.01	24.36
2/2/2020 23:20	36.93	23.92	70.69	32.59	28.18	50.89	34.65	31.63	30.25	27.15	25.48	25.07	24.6
2/2/2020 23:21	51.51	23.76	70.2	39.77	30.41	51.92	40.2	31.15	28.55	26.41	25.1	24.84	24.41
2/2/2020 23:22	42.28	23.73	68.34	34.05	28.18	51.02	38.06	31.27	29.2	26.39	25.11	24.82	24.27
2/2/2020 23:23	43.5	24.19	67.35	34.71	28.48	51.29	36.08	32.25	30.53	26.73	25.48	25.23	24.7
2/2/2020 23:24	60	24.7	82.73	49.61	36.3	50.49	45.86	39.51	37.29	29.09	26.01	25.73	25.36
2/2/2020 23:25	46.91	25.93	68.22	39.13	33.64	50.51	41.17	37.89	36.52	31.59	28.09	27.47	26.67
2/2/2020 23:26	70.58	25.32	89.39	58.29	46.18	53.11	57.6	39.93	37.48	31.25	27.74	27.21	26.12
2/2/2020 23:27	48.57	24.75	69.35	40.71	32.43	48.52	42.28	37.17	34.98	29.46	26.92	26.51	25.87
2/2/2020 23:28	49.04	24.55	66.03	37.41	30.03	48.87	36.6	32.98	31.66	27.59	25.91	25.58	25.17
2/2/2020 23:29	46.65	24.63	65.97	37.01	28.83	49.97	36.2	31.24	29.93	26.99	25.98	25.68	25.13
2/2/2020 23:30	69.71	24.37	89.64	58.28	44.86	52.09	55.4	39.13	35.12	27.63	25.7	25.36	24.81
2/2/2020 23:31	45.64	24.09	66.09	36.65	29.87	48.72	37.7	34.63	32.5	27.02	25.5	25.2	24.7
2/2/2020 23:32	62.01	24.21	85.9	52.31	38.13	48.02	50.13	38.9	34.8	28.32	25.52	25.11	24.64

2/2/2020 23:33	112.92	24.51	125.1	101.45	86.77	86.86	93.4	83.52	83.35	31.29	25.91	25.51	25.04
2/2/2020 23:34	112.67	1.36	125.34	103.29	88.51	88.61	100.6	83.57	83.49	32.46	25.33	25.08	24.62
2/2/2020 23:35	48.23	25.25	72.82	41.77	35.06	53.32	44.28	40.38	38.52	31.7	27.37	26.68	25.93
2/2/2020 23:36	48.06	26.87	71.22	42.08	39.2	53.92	47.43	45.9	43.27	36.02	29.6	28.57	27.46
2/2/2020 23:37	50.93	28.02	71.33	43.84	42.01	53.64	49.35	47.93	47.09	38.18	32.23	30.91	29.27
2/2/2020 23:38	57.03	25.47	77.21	45.87	37.94	50.82	49.72	42.61	39.16	30.43	27.07	26.61	25.96
2/2/2020 23:39	52.65	25.64	71.32	44.07	37.43	53	49.2	43.23	40.28	32.8	28.08	27.34	26.44
2/2/2020 23:40	50.98	24.89	71.32	43.14	35.16	52.04	45.46	40.57	37.95	30.99	28.07	27.09	25.94
2/2/2020 23:41	51.77	24.07	69.45	43.58	36.58	50.62	46.94	43.52	40.85	28.81	26.24	25.78	25.02
2/2/2020 23:42	66.02	25	89.28	53.02	42.5	52.36	52.4	44.57	42.35	32.16	27.42	27.01	25.85
2/2/2020 23:43	52.21	23.79	74.35	51.34	34.48	52.09	45.8	39.05	36.44	30.42	26.3	25.61	24.81
2/2/2020 23:44	41.54	24.39	70.14	34.3	29.42	52.9	37	32.91	31.41	28.22	26.18	25.68	25.06
2/2/2020 23:45	39.82	22.7	69.18	34.26	28.66	52.81	37.28	34.14	31.87	25.91	23.82	23.57	23.21
2/2/2020 23:46	50.68	23.19	71.29	38.99	31	53.48	38.4	34.51	32.02	27.54	25.17	24.66	24.02
2/2/2020 23:47	41.31	22.55	68.81	37.52	31.06	51.21	38.52	35.98	34.46	28.79	25.14	24.2	23.45
2/2/2020 23:48	45.91	22.2	70.37	37.93	32.39	50.72	43.42	38.01	35.74	27.95	23.74	23.37	22.68
2/2/2020 23:49	40.81	22.36	71.65	35.27	30.38	51.28	38.4	34.65	33.52	28.54	24.63	23.92	23.01
2/2/2020 23:50	42.01	23.25	74.18	38.46	32.84	52.16	40.41	38.3	36.63	30.41	25.39	24.46	23.7
2/2/2020 23:51	112.67	24.61	125.13	101.61	86.84	86.9	94.4	83.52	83.37	35.95	28.85	27.7	25.82
2/2/2020 23:52	112.66	-3.85	125.23	102.63	87.86	87.94	98.6	83.55	83.45	32.89	28.3	27.5	25.92
2/2/2020	54.57	25	73.54	44.97	36.67	52.46	48.5	43.42	37.97	30.63	27.86	27.11	26.02

23:53													
2/2/2020 23:54	50.37	23.51	73.69	41.19	31.95	49.5	41.1	36.85	34.89	27.89	25.6	25.14	24.53
2/2/2020 23:55	43.9	22	77.22	38.92	32.57	49.39	41.46	38.15	36.21	29.61	24.2	23.68	22.93
2/2/2020 23:56	42.85	22.8	65.93	37.91	31.89	49.7	41.38	37.3	35.14	28.58	25.36	24.68	23.8
2/2/2020 23:57	52.23	24.49	76.45	42.06	32.86	50.65	42.42	37.51	35.31	28.38	25.98	25.61	25.14
2/2/2020 23:58	45.12	21.63	67.68	35.06	29.38	50.2	40.4	34.46	31.62	24.79	23.03	22.73	22.28
2/2/2020 23:59	53.66	21.26	83.02	44.58	33.68	52.32	45.88	38.81	35.56	25.35	22.56	22.27	21.75
2/3/2020 00:00	46.02	20.59	65.49	38.92	29.14	49.22	41.08	35.75	32.06	22.47	21.61	21.43	21.08
2/3/2020 00:01	41.73	20.67	64.69	32.98	25.03	47.3	35.1	30.14	25.84	22.17	21.44	21.28	21.03
2/3/2020 00:02	39.32	20.89	60.02	30.95	25.45	46.31	36	30.5	24.66	22.91	21.93	21.7	21.29
2/3/2020 00:03	34.78	21.42	61.5	27.32	23.86	46.02	30.76	24.95	24.38	23.28	22.41	22.22	21.88
2/3/2020 00:04	33.88	21.37	59.43	26.33	23.64	46.02	26.77	24.71	24.36	23.42	22.6	22.38	22.01
2/3/2020 00:05	40.76	21.22	81.46	29.61	24.28	48.83	29.46	25.18	24.67	23.48	22.55	22.28	21.82
2/3/2020 00:06	50.61	21.57	71.55	39.43	29.02	46.37	39.8	29.1	25.48	23.95	22.98	22.75	22.42
2/3/2020 00:07	32.5	22.09	61.1	28.68	27.18	48.37	31.55	30.82	30.29	25.8	23.73	23.34	22.83
2/3/2020 00:08	32.6	22.03	61.26	28.43	26.81	47.8	31.75	30.15	29.16	26.13	23.59	23.2	22.64
2/3/2020 00:09	112.63	22.63	125.14	102.07	87.28	87.38	96.4	83.53	83.4	27.05	24.56	24.02	23.5
2/3/2020 00:10	112.7	-0.59	125.21	104.02	89.28	89.35	102.6	83.58	83.5	37.04	29.99	28.6	26.02
2/3/2020 00:11	62.44	24.87	78.57	51.48	38.77	49.67	50.6	36.83	34.84	30.76	27.69	27.1	25.88
2/3/2020 00:12	40.37	23.86	66.64	35.1	32.72	52.03	37.76	36.38	35.55	31.8	27.35	26.36	25.1
2/3/2020 00:13	53.98	26.08	74.42	44.27	35.84	51.88	47.5	38.53	36.75	32.68	28.75	27.99	27.2

2/3/2020 00:14	42.7	25.08	67.04	37.8	35.65	54.91	40.52	39.5	38.44	35.12	30.18	28.03	26.14
2/3/2020 00:15	38.35	21.33	63.49	29.59	26.5	47.54	35.44	32.96	30.44	23.4	22.51	22.29	21.92
2/3/2020 00:16	37.83	21.35	63.35	31.1	26.27	46.44	35	32.01	30.21	23.07	22.24	22.05	21.71
2/3/2020 00:17	50.82	21.4	73.13	41.6	30.6	47.56	44.8	29.37	25.73	23.31	22.34	22.13	21.8
2/3/2020 00:18	31.38	21.62	61.85	26.82	24.16	46.7	28.87	26.49	25.36	23.69	22.61	22.41	22.05
2/3/2020 00:19	33.79	22.12	65.31	26.77	24.32	47.76	26.97	25.46	25.09	24.11	23.31	23.12	22.78
2/3/2020 00:20	36.12	22.53	63.28	27.68	25.07	47.67	28.6	26.99	26.34	24.61	23.61	23.38	23.06
2/3/2020 00:21	31.45	22.91	61.88	28.38	26.39	48.31	29.83	28.95	28.2	25.93	24.45	24.15	23.68
2/3/2020 00:22	32.35	22.94	68.29	30	28.32	49.82	31.35	30.68	30.3	28.02	25.44	25	24.23
2/3/2020 00:23	35.09	23.75	63.19	30.15	28.41	49.6	32.95	31.63	30.62	27.89	25.66	25.2	24.42
2/3/2020 00:24	51.4	21.91	72.59	38.88	30.73	46.56	44.4	28.96	27.84	23.8	22.83	22.6	22.28
2/3/2020 00:25	30.98	21.93	60.7	25.53	24.04	46.2	28.94	25.31	24.82	23.76	22.94	22.72	22.4
2/3/2020 00:26	32.86	21.57	60.2	27.09	24.29	45.9	30.65	26.24	25.32	23.72	22.8	22.55	22.09
2/3/2020 00:27	112.67	21.93	125.29	101.24	86.52	86.59	93.2	83.51	83.33	31.91	24.03	23.6	22.9

Receptor 2

Table 15: Night Noise Measurements at Receptor 2

Start Time	LAFmax	LAFmin	LCpeak	LALeq	LALeq	LCeq	LAF1.0	LAF5.0	LAF10.0	LAF50.0	LAF90.0	LAF95.0	LAF99.0
2/3/2020 00:34	112.61	3.4	125.43	103.13	88.45	88.48	100.4	83.74	83.5	36.41	34.51	34.16	33.48
2/3/2020 00:35	60.62	33.45	79.54	52.16	43.53	61.35	54.6	48.3	46.12	38.75	35.48	35	34.26
2/3/2020 00:36	68.28	32.98	91.74	57.53	44.79	61.55	56.3	43.12	41.04	36.47	34.47	34.19	33.65
2/3/2020 00:37	44.69	32.45	79.93	38.74	35.48	62.64	41.8	37.85	36.72	34.78	33.73	33.41	32.95
2/3/2020 00:38	42.61	32.48	79.41	37.9	35.59	63.05	39.77	37.75	36.92	35.12	34.06	33.79	33.36
2/3/2020 00:39	45.17	32.95	78.57	39.32	36.37	62.86	42.76	39.82	38.15	35.37	34.36	34.14	33.82
2/3/2020 00:40	55.21	34.67	80.2	46.87	39.56	61.62	48.33	43.7	41.22	37.31	35.65	35.41	35.06
2/3/2020 00:41	56.27	36.64	78.36	48.24	46.27	62.52	54.72	53.8	52.19	40.73	37.62	37.3	36.95
2/3/2020 00:42	78.59	42.08	93.62	66.53	62.97	70.53	74.43	68.66	67.21	55.66	45.24	44.48	43.01
2/3/2020 00:43	63.26	34.46	87.74	53.75	44.8	61.87	56.65	48.15	45.78	40.29	36.39	35.95	35.42
2/3/2020 00:44	45.62	33.39	76.14	38.78	36.28	60.08	42.4	38.97	37.53	35.52	34.58	34.38	33.94
2/3/2020 00:45	43.23	32.87	81.17	37.32	35.33	63.85	39.1	37.11	36.39	34.97	34.11	33.89	33.46
2/3/2020 00:46	44.76	32.87	84.21	39.09	35.62	64.2	40.1	37.95	37.12	35.01	34.07	33.85	33.45
2/3/2020 00:47	46.61	32.98	82.3	38.05	35.4	64.76	39.75	36.94	36.16	34.92	34.13	33.95	33.65
2/3/2020 00:48	46.47	33.09	79.39	40.02	36.57	63.53	44.02	40.5	38.14	35.34	34.5	34.22	33.52
2/3/2020	41.14	33.07	81.21	37.32	35.72	64.09	39.38	37.53	36.84	35.44	34.55	34.31	33.77

00:49													
2/3/2020 00:50	41.59	32.86	78.84	36.21	34.79	62.59	36.33	35.72	35.49	34.69	33.96	33.79	33.45
2/3/2020 00:51	112.66	33.42	125.47	101.75	86.97	87.06	95	83.52	83.39	35.14	34.38	34.18	33.8
2/3/2020 00:52	36.48		70.1	37.08	35.58	58.05							
2/3/2020 00:53	112.95	-1.28	125.21	101.5	86.81	86.88	93.4	83.51	83.33	36.32	34.99	34.69	34.11
2/3/2020 00:54	49.06	33.68	79.57	38.8	35.64	61.33	38.55	36.55	36.07	35.15	34.5	34.32	34.04
2/3/2020 00:55	42.22	33.5	73.48	36.73	35.23	57.49	38.51	36.22	35.74	35.05	34.54	34.4	34.04
2/3/2020 00:56	71.95	34.08	94.14	57.6	50.71	59.64	65.8	42.28	39.07	35.7	35.06	34.9	34.63
2/3/2020 00:57	77.56	37.89	99.83	69.3	60.11	65.91	72.92	65.72	62.44	51.7	43.21	41.41	38.72
2/3/2020 00:58	54.03	34.09	74.76	56.31	36.45	58.64	44.8	38.76	37.53	35.82	35.08	34.86	34.48
2/3/2020 00:59	37.85	33.82	73.78	36.52	35.61	59.41	36.94	36.51	36.29	35.57	34.88	34.66	34.25
2/3/2020 01:00	39.83	33.29	73.37	36.99	35.68	57.43	38.73	37.14	36.5	35.49	34.78	34.57	34.04
2/3/2020 01:01	37.76	33.77	74.23	36.41	35.5	57.85	36.69	36.32	36.1	35.45	34.91	34.79	34.45
2/3/2020 01:02	37.49	34.16	72.22	36.72	35.75	57.6	37.04	36.7	36.47	35.69	35.01	34.82	34.53
2/3/2020 01:03	37.19	33.77	72.8	36.5	35.55	57.97	36.66	36.31	36.12	35.54	34.94	34.75	34.33
2/3/2020 01:04	41.73	34.16	71.03	36.98	35.72	56.79	37.59	36.61	36.32	35.61	35.01	34.83	34.52
2/3/2020 01:05	38.51	33.52	73.78	36.31	35.36	58.4	37.15	36.41	36.07	35.28	34.61	34.4	34.05
2/3/2020 01:06	37.82	33.64	76.16	36.25	35.34	59.35	36.97	36.19	35.92	35.29	34.68	34.5	34.2
2/3/2020	57.39	33.18	79.06	48.07	39.05	57.46	49.96	43.2	40.17	35.46	34.8	34.58	34.04

01:07													
2/3/2020 01:08	69.95	34.4	92.38	59.23	45.91	56.89	56.4	45.18	43.08	38.3	35.7	35.39	34.9
2/3/2020 01:09	58.36	34.2	81.94	49.08	40.44	56.46	49.46	44.08	42.46	37.95	35.44	35.14	34.71
2/3/2020 01:10	112.66	34.91	125.16	103.87	89.1	89.16	102.2	83.58	83.49	40.04	36.2	35.75	35.28
2/3/2020 01:10	112.68	36.6	125.49	107.97	93.51	93.55	109.2	94.6	84	83.36	39.1	38.24	37.23
2/3/2020 01:11	85.32	3.46	110.38	89.76	58.17	66.8	68.2	38.77	37.47	35.76	35.09	34.89	34.45
2/3/2020 01:12	39.91	34.44	75.61	37.43	36.24	59.14	38.87	37.74	37.18	36.05	35.32	35.11	34.78
2/3/2020 01:13	37.98	33.62	72.67	36.85	35.88	58.11	37.38	36.86	36.63	35.82	35.12	34.96	34.51
2/3/2020 01:14	39.02	34.36	72.49	36.54	35.62	58.08	36.79	36.34	36.15	35.57	35.07	34.94	34.71
2/3/2020 01:15	37.04	33.43	69.98	36.08	35.24	56.92	36.33	36	35.82	35.21	34.63	34.46	34.14
2/3/2020 01:16	39.73	32.81	71.82	36.44	35.31	56.98	37.77	36.41	36.05	35.18	34.47	34.29	33.92
2/3/2020 01:17	41.56	33.66	74.14	37.25	35.71	57.26	39.73	37.65	36.53	35.34	34.75	34.58	34.22
2/3/2020 01:18	41.48	33.67	71.64	36.42	35.26	57.97	37.81	36.18	35.82	35.13	34.56	34.42	34.19
2/3/2020 01:19	36.88	33.24	71.53	35.95	35.06	56.61	36.28	35.79	35.62	35.05	34.44	34.26	33.79
2/3/2020 01:20	38.45	33.5	72.13	36.14	35.15	57.32	37.2	36.06	35.78	35.06	34.43	34.25	33.88
2/3/2020 01:21	38.88	33.39	72.86	36.3	35.21	58.57	37.17	36.21	35.91	35.13	34.4	34.2	33.83
2/3/2020 01:22	37.83	33.06	75.66	36.21	35.19	59.91	36.65	36.07	35.8	35.17	34.47	34.23	33.66
2/3/2020 01:23	37.82	33.06	71.71	36.36	35.34	58.33	37.11	36.4	36.14	35.26	34.43	34.16	33.68
2/3/2020	54.49	33.91	76.83	45.34	38.21	57.32	46.76	41.95	39.73	36.1	35.06	34.82	34.4

01:24													
2/3/2020 01:25	46.94	33.75	71.5	40.13	37.37	55.89	45.23	42.15	39.95	35.64	34.73	34.54	34.24
2/3/2020 01:26	50.52	34.07	72.5	42.26	37.56	55.88	45.13	40.57	39	36.02	35.12	34.93	34.62
2/3/2020 01:27	56.55	34.34	80.07	47.89	38.95	58.27	48.4	42.04	40.27	36.45	35.34	35.11	34.79
2/3/2020 01:28	112.63	34.82	125.44	105.63	90.84	90.93	105.6	84.24	83.55	36.94	35.41	35.25	35.01
2/3/2020 01:28	112.7	2.06	125.44	105.65	90.9	90.99	106	84.55	83.55	40.91	35.81	35.42	24
2/3/2020 01:29	64.91	34.5	88.7	54.32	44.65	60.04	53.8	49.9	47.02	39.28	35.77	35.51	35.15
2/3/2020 01:30	43.83	33.51	73.92	39.52	36.92	58.43	42.4	39.78	38.8	36.08	34.92	34.61	34.15
2/3/2020 01:31	40.62	33.5	75.91	37.09	35.66	57.52	38.89	37.45	36.77	35.38	34.65	34.45	34.06
2/3/2020 01:32	39.75	33.66	72.05	36.32	35.29	56.58	37.42	36.41	35.98	35.17	34.5	34.32	34.07
2/3/2020 01:33	38.25	33.48	72.9	36.21	35.25	56.6	37.24	36.18	35.92	35.18	34.51	34.34	34.06
2/3/2020 01:34	37.74	33.45	73.04	35.86	35.03	56.61	36.18	35.75	35.57	35.01	34.41	34.24	33.88
2/3/2020 01:35	37.38	33.25	70.81	35.95	35.1	56.17	36.64	35.98	35.71	35.06	34.44	34.28	33.9
2/3/2020 01:36	46.58	33.83	71.2	37.89	35.99	57	40.55	37.74	36.58	35.42	34.82	34.63	34.3
2/3/2020 01:37	55.41	34.35	78.01	46.7	40.06	57.18	50.82	44.62	41.98	36.36	35.28	35.09	34.8
2/3/2020 01:38	41.35	34.19	72.74	37.44	36.07	56.8	39.82	37.37	36.74	35.86	35.15	35	34.68
2/3/2020 01:39	38.79	34.18	72.05	36.79	35.87	56.79	37.45	36.7	36.4	35.81	35.32	35.21	34.9
2/3/2020 01:40	51.18	34.39	70.74	40.63	37.07	55.74	44.6	38.6	37.78	35.98	35.26	35.07	34.8
2/3/2020	93.17	34.57	123.65	83.48	73.73	92.4	86.3	81.1	76.69	54.3	37.74	36.56	35.41

01:41													
2/3/2020 01:42	82.68	41.61	100.9	70.72	59.95	71.54	73.2	61.32	57	46.75	43.73	42.97	42.17
2/3/2020 01:43	78.93	40.86	120.54	67.17	56.23	85.32	67.83	58.75	54.84	45.77	42.74	42.21	41.52
2/3/2020 01:44	75.02	40.81	101.16	66.2	55.05	79.37	68.5	58.07	54.9	45.34	43.69	43.43	41.52
2/3/2020 01:45	83.54	47.45	105.07	69.72	67.01	89.14	82.53	66.74	65.71	61.06	52.28	51.39	49.52
2/3/2020 01:46	112.7	64.38	125.71	108.29	93.53	94.41	109.2	93.2	83.9	83.31	65.84	65.15	64.8

Annex III – Calibration Certificate of Equipment