Hunter Power Project – 3200-0663

Attended Noise Monitoring Results – 6th February 2023

Prepared by Cristina Lang - UGL Senior Environmental Advisor

Date: 8th February 2023

The first continuous concrete pour activity at Gas Turbine 1 - Hunter Power Project was undertaken on 6th of February 2023, commencing at 2am and finalising at 6pm.

In compliance with the condition L5.1 of the EPL 21627, UGL conducted two attended noise monitoring activities in five strategic noise catchment areas proposed in the *Jacobs Concrete Pour Noise and Vibration Impact Assessment* (Jacobs, November 2022*)* and *UGL Noise Management Plan* (UGL, January 2023). A Casella Precision Integrating Octave band Sound Level meter CEL-62OB1/K1 was utilised for the noise measurement levels. The equipment was calibrated on 15 of August 2022 and field calibration was performed before and after each monitoring event. The first round of noise monitoring was initiated at 4:30am and concluded at 6:39 am (night – outside of construction hours) and the second round of noise monitoring was initiated at 10:12 am and concluded at 12:11pm (day – standard construction hours).

The noise monitoring record sheets and the Appendix A *raw data*, documents embedded with this memorandum, display a more detailed description of the noise monitoring events performed on 6th February 2023.

The results from noise monitoring are presented in the table A below:

NCA	Address	L_{eq} (15 min) dB(A) Day (standard construction hours) 7:00 am – 6:00 pm	LAMax dB(A) Day (standard construction hours) 7:00 am – 6:00 pm	L_{eq} (15 min) dB(A) Night (outside construction hours 10:00pm- 7:00am	LAMax dB(A) Night (outside construction hours 10:00pm- 7:00am
1	103 Bishops Bridge Rd, Sawyers Gully	62.1	84.7	61.2	71.3
2	6 Dawes Ave, Loxford	60.2	81	65.8	75.2
3	20 Bowditch Ave, Loxford	52	68.2	43.5	62.1
4	464 Cessnock Rd, Gillieston Heights	70.7	84	67.6	84
5	15 Sawyers Gully Rd, Sawyers Gully	60.1	82.4	58.9	75

Table A. Results from noise monitoring activities on 6th February 2023

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 01		103 Bishops Bridge Rd, Sawyers Gully
Date	06/02/2023	**Time**	11:56am
Construction Activity	Concrete Pour		
Distance from Noise Source	1,240 m		
Weather Conditions	Sunshine, scattered clouds, light wind, 28°C		
Noise Source/s	Hunter Expressway, insects, birds, dog bark		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	55	Period 1 Evening 6:00pm-10:00pm	50	Period 2 Night 10:00pm-7:00am	41	Sleep Disturbance (LAeq)	41	Sleep Disturbance (LAMax)	52

RESULTS

Qualitative Assessment

Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment

Start Time	11:56am	**Finish time**	12:11am
LAmax	84.7		dBA
LAmin	51.5		dBA
LAeq 15 min	62.1		dBA
Exceedance of NML	5.1		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included insects, dog bark and the Hunter Expressway. The Hunter Expressway was located parallel to this monitoring location hence noises from the highway were quite audible. Dogs were barking sporadically during the 15-minute monitoring interval. Noise originating from cicadas was also recorded and remained constant throughout monitoring.

No construction noise was observed

Appendix A - NOISE METER: RAW DATA

	NCA 01 - 103 Bishops Bridge Rd, Sawyers Gully	
<CEL-620B Data>		
Version		
<Run>		
Location	FreeField	
Response		6/02/2023 11:56
Start		0:15:00
Duration		0:00:00
Paused Duration		5015288
Serial Number		21
Run	No	
Overload	No	
Battery Low		
<Broadband>		91.7
LZSmax		6/02/2023 11:57
LZSmax Time		96.5
LZFmax		6/02/2023 11:57
LZFmax Time		100.7
LZImax		6/02/2023 11:56
LZImax Time		81.6
LCSmax		6/02/2023 11:57
LCSmax Time		88
LCFmax		6/02/2023 11:57
LCFmax Time		92.1
LCImax		6/02/2023 11:56
LCImax Time		73.5
LASmax		6/02/2023 11:57
LASmax Time		80
LAFmax		6/02/2023 11:57
LAFmax Time		84.7
LAImax		6/02/2023 11:57
LAImax Time		60.9
LZSmin		6/02/2023 12:05
LZSmin Time		59.7
LZFmin		6/02/2023 12:05
LZFmin Time		61
LZImin		6/02/2023 12:05

LZImin Time	58.6
LCSmin	6/02/2023 12:06
LCSmin Time	57.3
LCFmin	6/02/2023 12:06
LCFmin Time	59.3
LCImin	6/02/2023 12:09
LCImin Time	51.9
LASmin	6/02/2023 12:05
LASmin Time	50.9
LAFmin	6/02/2023 11:58
LAFmin Time	51.5
LAImin	6/02/2023 11:58
LAImin Time	73.5
LZeq	67.9
LCeq	59.6
LAeq	62.1
LAIeq	0
Lavg Threshold	59.4
Lavg Q=4	59.3
Lavg Q=5	108.5
LZpeak	6/02/2023 11:56
LZpeak Time	107.8
LCpeak	6/02/2023 11:57
LCpeak Time	107.5
LApeak	6/02/2023 11:57
LApeak Time	89.2
LAE	44.2
LAeq(T=80)	62.1
LAFTm3	62.9
LAFTm5	64.6
LAITm3	66.3
LAITm5	
<Octave LZeq>	64.5
16Hz	65.8
31.5Hz	64
64Hz	59.8
125Hz	52.5
250Hz	53.4
500Hz	53.5

1KHz	47.2
2KHz	55.4
4KHz	47.6
8KHz	31.7
16KHz	
<Octave LZFmax>	89.9
16Hz	87.8
31.5Hz	81.8
64Hz	76
125Hz	70.2
250Hz	69.4
500Hz	70.9
1KHz	77
2KHz	72.5
4KHz	67.9
8KHz	60.8
16KHz	
<Octave LZSmax>	84.8
16Hz	80.2
31.5Hz	77.4
64Hz	75
125Hz	63.8
250Hz	64.2
500Hz	65.7
1KHz	69
2KHz	67
4KHz	60.8
8KHz	54
16KHz	
<Calibration>	6/02/2023 11:56
Before Cal Date	94
Cal Ref.Level	0
Cal Position	6/02/2023 12:13
After Cal Date	-0.2
Cal Change	

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 02		6 Dawes Avenue, Loxford
Date	06/02/2023	**Time**	11:10am
Construction Activity	Concrete pour		
Distance from Noise Source	1,610 m		
Weather Conditions	Sunshine, scattered clouds, light wind, 28°C		
Noise Source/s	Cicadas, birds, horses, traffic from Hunter Expressway, industrial noise		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	48	Period 1 Evening 6:00pm-10:00pm	43	Period 2 Night 10:00pm-7:00am	42	Sleep Disturbance (LAeq)	42	Sleep Disturbance (LAMax)	52

RESULTS

Qualitative Assessment

Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment

Start Time	11:10am	**Finish time**	11:25
LAmax	81		dBA
LAmin	50.7		dBA
LAeq 15 min	60.2		dBA
Exceedance of NML	12.2		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects, horses, commercial activities and the Hunter Expressway. Factory equipment noises were audible from a small commercial building located in the street adjacent to Dawes Ave. Vehicles from the Hunter Expressway could be well heard. Intense noise originating from cicadas was also recorded and remained constant throughout monitoring. Mild horse neighs were observed during the standard construction hours monitoring.

No construction noise was observed.

Appendix A - NOISE METER :
RAW DATA

	NCA 02 - 6 Dawes Avenue, Loxford	
Version		
<Run>		
Location		
Response	FreeField	
Start		6/02/2023 11:10
Duration		0:15:00
Paused Duration		0:00:00
Serial Number		5015288
Run		19
Overload	No	
Battery Low	No	
<Broadband>		
LZSmax		83.3
LZSmax Time		6/02/2023 11:12
LZFmax		88.2
LZFmax Time		6/02/2023 11:12
LZImax		90.7
LZImax Time		6/02/2023 11:12
LCSmax		73.2
LCSmax Time		6/02/2023 11:15
LCFmax		79.9
LCFmax Time		6/02/2023 11:15
LCImax		83
LCImax Time		6/02/2023 11:15
LASmax		74
LASmax Time		6/02/2023 11:15
LAFmax		81
LAFmax Time		6/02/2023 11:15
LAImax		84.4
LAImax Time		6/02/2023 11:15
LZSmin		60.3
LZSmin Time		6/02/2023 11:22
LZFmin		58
LZFmin Time		6/02/2023 11:21
LZImin		60.7
LZImin Time		6/02/2023 11:23

LCSmin	57
LCSmin Time	6/02/2023 11:22
LCFmin	54.9
LCFmin Time	6/02/2023 11:20
LCImin	57.3
LCImin Time	6/02/2023 11:19
LASmin	52.2
LASmin Time	6/02/2023 11:22
LAFmin	50.7
LAFmin Time	6/02/2023 11:23
LAImin	51.8
LAImin Time	6/02/2023 11:22
LZeq	68.7
LCeq	61.5
LAeq	60.2
LAIeq	62.4
Lavg Threshold	0
Lavg Q=4	59.9
Lavg Q=5	59.7
LZpeak	107.3
LZpeak Time	6/02/2023 11:15
LCpeak	107
LCpeak Time	6/02/2023 11:15
LApeak	107.4
LApeak Time	6/02/2023 11:15
LAE	89.7
LAeq(T=80)	45.2
LAFTm3	62.5
LAFTm5	63.5
LAITm3	64.5
LAITm5	65.8
<Octave LZeq>	
16Hz	59.2
31.5Hz	58.5
64Hz	51.9
125Hz	52
250Hz	43
500Hz	39.3
1KHz	40.5

2KHz	46.6
4KHz	58.6
8KHz	47.7
16KHz	28.4
<Octave LZFmax>	
16Hz	79.1
31.5Hz	75.3
64Hz	68.5
125Hz	73.2
250Hz	65.3
500Hz	64.6
1KHz	70.4
2KHz	72.8
4KHz	78.3
8KHz	68.1
16KHz	49.5
<Octave LZSmax>	
16Hz	75.6
31.5Hz	70.1
64Hz	64.2
125Hz	70.7
250Hz	59.3
500Hz	58.9
1KHz	63.8
2KHz	65.6
4KHz	71.2
8KHz	61.3
16KHz	42.9
<Calibration>	
Before Cal Date	6/02/2023 11:10
Cal Ref.Level	94
Cal Position	0.1
After Cal Date	6/02/2023 11:26
Cal Change	-0.7

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 03		20 Bowditch Avenue, Loxford
Date	06/02/2023	**Time**	10:47am
Construction Activity	Concrete pour		
Distance from Noise Source	1,150 m		
Weather Conditions	Sunshine, scattered clouds, light wind, 27°C		
Noise Source/s	Cicadas, birds, helicopter, Hunter Expressway		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	50	Period 1 Evening 6:00pm-10:00pm	45	Period 2 Night 10:00pm-7:00am	43	Sleep Disturbance (LAeq)	43	Sleep Disturbance (LAMax)	53

RESULTS

Qualitative Assessment

Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment

Start Time	10:47am	**Finish time**	11:02am
LAmax	68.2		dBA
LAmin	35.9		dBA
LAeq 15 min	52		dBA
Exceedance of NML	2		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects, a helicopter and the Hunter Expressway. Noise originating from cicadas was also recorded and remained a constant throughout monitoring.

No construction noise was observed.

Appendix A - NOISE METER : RAW DATA

Version	**NCA 03 - 20 Bowditch Avenue, Loxford**
<Run>	
Location	
Response	FreeField
Start	6/02/2023 10:47
Duration	0:15:00
Paused Duration	0:00:00
Serial Number	5015288
Run	18
Overload	No
Battery Low	No
<Broadband>	
LZSmax	89.9
LZSmax Time	6/02/2023 10:56
LZFmax	95.6
LZFmax Time	6/02/2023 10:56
LZImax	98.4
LZImax Time	6/02/2023 10:56
LCSmax	78.2
LCSmax Time	6/02/2023 10:56
LCFmax	82.9
LCFmax Time	6/02/2023 10:56
LCImax	85.1
LCImax Time	6/02/2023 10:56
LASmax	62.6
LASmax Time	6/02/2023 10:47
LAFmax	68.2
LAFmax Time	6/02/2023 10:47
LAImax	71.7
LAImax Time	6/02/2023 10:52
LZSmin	52.4
LZSmin Time	6/02/2023 10:55
LZFmin	49.9
LZFmin Time	6/02/2023 10:55
LZImin	52.6
LZImin Time	6/02/2023 10:55
LCSmin	47.5

LCSmin Time	6/02/2023 10:55
LCFmin	45.1
LCFmin Time	6/02/2023 10:52
LCImin	48
LCImin Time	6/02/2023 10:56
LASmin	36.8
LASmin Time	6/02/2023 10:52
LAFmin	35.9
LAFmin Time	6/02/2023 10:52
LAImin	36.4
LAImin Time	6/02/2023 10:52
LZeq	74.5
LCeq	62
LAeq	52
LAIeq	54.8
Lavg Threshold	0
Lavg Q=4	51.3
Lavg Q=5	50.9
LZpeak	103.3
LZpeak Time	6/02/2023 10:56
LCpeak	90.8
LCpeak Time	6/02/2023 10:56
LApeak	90.7
LApeak Time	6/02/2023 10:47
LAE	81.5
LAeq(T=80)	0
LAFTm3	55.1
LAFTm5	56.1
LAITm3	57.8
LAITm5	58.8
<Octave LZeq>	
16Hz	66.1
31.5Hz	61
64Hz	53.9
125Hz	45.9
250Hz	41
500Hz	39.9
1KHz	37.1
2KHz	38.2

4KHz	49.9
8KHz	42.5
16KHz	36.1
<Octave LZFmax>	
16Hz	89.2
31.5Hz	79.6
64Hz	74.3
125Hz	70.9
250Hz	64.5
500Hz	69.3
1KHz	60.3
2KHz	56.1
4KHz	62.4
8KHz	62.3
16KHz	55.8
<Octave LZSmax>	
16Hz	83.9
31.5Hz	76.2
64Hz	71.3
125Hz	64.2
250Hz	56.6
500Hz	62.8
1KHz	54.1
2KHz	49.8
4KHz	57.8
8KHz	55.1
16KHz	49.7
<Calibration>	
Before Cal Date	6/02/2023 10:47
Cal Ref.Level	94
Cal Position	0
After Cal Date	6/02/2023 11:02
Cal Change	-0.1

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 04	464 Cessnock Rd, Gillieston Heights	
Date	06/02/2023	**Time**	10:12am
Construction Activity	Concrete pour		
Distance from Noise Source	1,240 m		
Weather Conditions	Sunshine, scattered clouds, light wind, 27°C		
Noise Source/s	Birds, cicadas, traffic on the main road		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	55	Period 1 Evening 6:00pm-10:00pm	50	Period 2 Night 10:00pm-7:00am	41	Sleep Disturbance (LAeq)	41	Sleep Disturbance (LAMax)	52

RESULTS			
Qualitative Assessment			
Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment			
Start Time	10:12am	**Finish time**	10:27am
LAmax	84		dBA
LAmin	46.1		dBA
LAeq 15 min	70.7		dBA
Exceedance of NML	15.7		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects and vehicles on the main road. During the day noise monitoring, traffic on the main road was more intense; heavy vehicles were predominantly heavy. Noise originating from cicadas was recorded and remained constant throughout monitoring.

No construction noise was observed.

Appendix A - NOISE METER :
RAW DATA

	NCA 04 - 464 Cessnock Rd, Gillieston Heights	
<CEL-620B Data>		
Version		
<Run>		
Location	FreeField	
Response		6/02/2023 10:12
Start		0:15:00
Duration		0:00:00
Paused Duration		5015288
Serial Number		17
Run	No	
Overload	No	
Battery Low		
<Broadband>		91.5
LZSmax		6/02/2023 10:24
LZSmax Time		95.3
LZFmax		6/02/2023 10:24
LZFmax Time		96.3
LZImax		6/02/2023 10:24
LZImax Time		90.7
LCSmax		6/02/2023 10:24
LCSmax Time		94.7
LCFmax		6/02/2023 10:24
LCFmax Time		95.7
LCImax		6/02/2023 10:24
LCImax Time		81.3
LASmax		6/02/2023 10:26
LASmax Time		83.4
LAFmax		6/02/2023 10:26
LAFmax Time		84
LAImax		6/02/2023 10:26
LAImax Time		57.6
LZSmin		6/02/2023 10:19
LZSmin Time		54.9
LZFmin		6/02/2023 10:19
LZFmin Time		58
LZImin		6/02/2023 10:19

LZImin Time	54.2
LCSmin	6/02/2023 10:21
LCSmin Time	52.2
LCFmin	6/02/2023 10:19
LCFmin Time	54.6
LCImin	6/02/2023 10:21
LCImin Time	45.9
LASmin	6/02/2023 10:15
LASmin Time	43.8
LAFmin	6/02/2023 10:23
LAFmin Time	46.1
LAImin	6/02/2023 10:25
LAImin Time	76.1
LZeq	73.8
LCeq	68.8
LAeq	70.7
LAIeq	0
Lavg Threshold	68
Lavg Q=4	67.5
Lavg Q=5	104
LZpeak	6/02/2023 10:23
LZpeak Time	102.6
LCpeak	6/02/2023 10:23
LCpeak Time	95.6
LApeak	6/02/2023 10:26
LApeak Time	98.3
LAE	56.7
LAeq(T=80)	72.6
LAFTm3	73.8
LAFTm5	73.7
LAITm3	74.7
LAITm5	
<Octave LZeq>	63.2
16Hz	63.1
31.5Hz	70.5
64Hz	65.1
125Hz	63.7
250Hz	63.3
500Hz	66.4

1KHz	60.7
2KHz	50.2
4KHz	42.9
8KHz	40.3
16KHz	
<Octave LZFmax>	82.6
16Hz	87.9
31.5Hz	95.1
64Hz	89.2
125Hz	85.1
250Hz	81.5
500Hz	80.8
1KHz	73.9
2KHz	64.6
4KHz	63.8
8KHz	57.1
16KHz	
<Octave LZSmax>	77.8
16Hz	82.5
31.5Hz	91.1
64Hz	85.1
125Hz	81.5
250Hz	78.8
500Hz	78.7
1KHz	71.3
2KHz	62
4KHz	56.2
8KHz	52.6
16KHz	
<Calibration>	6/02/2023 10:11
Before Cal Date	94
Cal Ref.Level	0.1
Cal Position	6/02/2023 10:28
After Cal Date	-0.4
Cal Change	

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 05		15 Sawyers Gully Rd, Sawyers Gully
Date	06/02/2023	**Time**	11:36am
Construction Activity	Concrete pour		
Distance from Noise Source	3,210 m		
Weather Conditions	Sunshine, scattered clouds, light wind, 28°C		
Noise Source/s	Birds, cicadas, local main road, Hunter Expressway, airplane, vehicles on main road		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	45	Period 1 Evening 6:00pm-10:00pm	35	Period 2 Night 10:00pm-7:00am	35	Sleep Disturbance (LAeq)	40	Sleep Disturbance (LAMax)	52

RESULTS

Qualitative Assessment

Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment

Start Time	11:36am	**Finish time**	11:51am
LAmax	82.4		dBA
LAmin	45.1		dBA
LAeq 15 min	60.1		dBA
Exceedance of NML	15.1		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects and airplanes. Vehicles from the Hunter Expressway could also be heard but were slightly faint. Light and heavy vehicles were travelling on the main road. Noise originating from cicadas was also recorded and remained constant throughout monitoring.

No construction noise was observed.

Appendix A - NOISE METER : RAW DATA

	NCA 05 - 15 Sawyers Gully Rd, Sawyers Gully	
<CEL-620B Data>		
Version		
<Run>		
Location	FreeField	
Response		6/02/2023 11:36
Start		0:15:00
Duration		0:00:00
Paused Duration		5015288
Serial Number		20
Run	No	
Overload	No	
Battery Low		
<Broadband>		94.7
LZSmax		6/02/2023 11:50
LZSmax Time		100.1
LZFmax		6/02/2023 11:49
LZFmax Time		102.9
LZImax		6/02/2023 11:49
LZImax Time		86.9
LCSmax		6/02/2023 11:39
LCSmax Time		89.9
LCFmax		6/02/2023 11:49
LCFmax Time		93.6
LCImax		6/02/2023 11:49
LCImax Time		79.8
LASmax		6/02/2023 11:39
LASmax Time		81.9
LAFmax		6/02/2023 11:39
LAFmax Time		82.4
LAImax		6/02/2023 11:39
LAImax Time		61.9
LZSmin		6/02/2023 11:42
LZSmin Time		59.7
LZFmin		6/02/2023 11:42
LZFmin Time		63
LZImin		6/02/2023 11:42

LZImin Time	55.7
LCSmin	6/02/2023 11:36
LCSmin Time	55.9
LCFmin	6/02/2023 11:51
LCFmin Time	58.9
LCImin	6/02/2023 11:51
LCImin Time	45.5
LASmin	6/02/2023 11:38
LASmin Time	44.9
LAFmin	6/02/2023 11:38
LAFmin Time	45.1
LAImin	6/02/2023 11:38
LAImin Time	80
LZeq	71
LCeq	57.7
LAeq	60.1
LAIeq	0
Lavg Threshold	55.8
Lavg Q=4	54.8
Lavg Q=5	107.9
LZpeak	6/02/2023 11:49
LZpeak Time	102.2
LCpeak	6/02/2023 11:49
LCpeak Time	93.8
LApeak	6/02/2023 11:39
LApeak Time	87.3
LAE	51.4
LAeq(T=80)	62.6
LAFTm3	64.4
LAFTm5	63.8
LAITm3	65.3
LAITm5	
<Octave LZeq>	72.7
16Hz	68.8
31.5Hz	66.4
64Hz	62.1
125Hz	57.3
250Hz	54.1
500Hz	52.7

1KHz	48.4
2KHz	47.4
4KHz	39.5
8KHz	36.1
16KHz	
<Octave LZFmax>	95.4
16Hz	88.4
31.5Hz	83.3
64Hz	87.4
125Hz	83.4
250Hz	78.5
500Hz	77
1KHz	74.4
2KHz	68.6
4KHz	63
8KHz	61.6
16KHz	
<Octave LZSmax>	90.3
16Hz	83.7
31.5Hz	80.7
64Hz	84.4
125Hz	80
250Hz	76.1
500Hz	74.7
1KHz	72
2KHz	65.9
4KHz	60.2
8KHz	57.5
16KHz	
<Calibration>	6/02/2023 11:36
Before Cal Date	94
Cal Ref.Level	-0.2
Cal Position	6/02/2023 11:52
After Cal Date	0.1
Cal Change	

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 01		103 Bishops Bridge Rd, Sawyers Gully
Date	06/02/2023	**Time**	6:24am
Construction Activity	Concrete Pour		
Distance from Noise Source	1,240 m		
Weather Conditions	Clear, no wind, 23 °C		
Noise Source/s	Hunter Expressway, insects (cicadas and crickets), birds, dog bark		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	55	Period 1 Evening 6:00pm-10:00pm	50	Period 2 Night 10:00pm-7:00am	41	Sleep Disturbance (LAeq)	41	Sleep Disturbance (LAMax)	52

RESULTS

Qualitative Assessment

Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment

Start Time	6:24am	**Finish time**	6:39am
LAmax	71.3		dBA
LAmin	54.6		dBA
LAeq 15 min	61.2		dBA
Exceedance of NML	20.2		dBA

Comments

During monitoring, construction noise was inaudible. Other sources included insects, dog bark and the Hunter Expressway. The Hunter Expressway was located parallel to this monitoring location hence noises from the highway were quite audible. Several dogs were barking towards the end of the 15 minutes monitoring interval. Noise originating from cicadas was also recorded and remained constant throughout monitoring.
No construction noise was observed

Appendix A - NOISE METER: RAW DATA

	NCA 01- 103 Bishops Bridge Rd, Sawyers Gully	
<CEL-620B Data>		
Version		
<Run>		
Location	FreeField	
Response		6/02/2023 6:24
Start		0:15:00
Duration		0:00:00
Paused Duration		5015288
Serial Number		16
Run	No	
Overload	No	
Battery Low		
<Broadband>		73.5
LZSmax		6/02/2023 6:24
LZSmax Time		75.4
LZFmax		6/02/2023 6:24
LZFmax Time		76.7
LZImax		6/02/2023 6:24
LZImax Time		72.1
LCSmax		6/02/2023 6:27
LCSmax Time		73.6
LCFmax		6/02/2023 6:27
LCFmax Time		75
LCImax		6/02/2023 6:29
LCImax Time		65.1
LASmax		6/02/2023 6:27
LASmax Time		67.1
LAFmax		6/02/2023 6:37
LAFmax Time		71.3
LAImax		6/02/2023 6:37
LAImax Time		62.5
LZSmin		6/02/2023 6:38
LZSmin Time		60.6
LZFmin		6/02/2023 6:38
LZFmin Time		62.8
LZImin		6/02/2023 6:38
LZImin Time		60.7

LCSmin	6/02/2023 6:38
LCSmin Time	58.9
LCFmin	6/02/2023 6:38
LCFmin Time	60.9
LCImin	6/02/2023 6:38
LCImin Time	54.5
LASmin	6/02/2023 6:34
LASmin Time	52.8
LAFmin	6/02/2023 6:38
LAFmin Time	54.6
LAImin	6/02/2023 6:34
LAImin Time	67.9
LZeq	66.4
LCeq	60.2
LAeq	61.2
LAIeq	0
Lavg Threshold	60.1
Lavg Q=4	60.1
Lavg Q=5	93.4
LZpeak	6/02/2023 6:37
LZpeak Time	93
LCpeak	6/02/2023 6:37
LCpeak Time	91.5
LApeak	6/02/2023 6:37
LApeak Time	89.7
LAE	0
LAeq(T=80)	62
LAFTm3	62.4
LAFTm5	63
LAITm3	63.5
LAITm5	
<Octave LZeq>	58.1
16Hz	61.2
31.5Hz	62.9
64Hz	58.7
125Hz	48.5
250Hz	55.4
500Hz	58.5
1KHz	50.5
2KHz	38.1
4KHz	31.3
8KHz	28.2
16KHz	

<Octave LZFmax>	68.5
16Hz	74.1
31.5Hz	72.8
64Hz	70.5
125Hz	59.2
250Hz	68.4
500Hz	65
1KHz	59.3
2KHz	56.7
4KHz	57.8
8KHz	54
16KHz	
<Octave LZSmax>	65.1
16Hz	70.7
31.5Hz	70.8
64Hz	69.3
125Hz	57.8
250Hz	64.8
500Hz	63.5
1KHz	54.3
2KHz	48.4
4KHz	49.7
8KHz	46.4
16KHz	
<Calibration>	6/02/2023 6:23
Before Cal Date	94
Cal Ref.Level	0.8
Cal Position	6/02/2023 6:40
After Cal Date	0
Cal Change	

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 02		6 Dawes Avenue, Loxford
Date	06/02/2023	**Time**	5:31am
Construction Activity	Concrete pour		
Distance from Noise Source	1,610 m		
Weather Conditions	Clear, no wind, 23°C		
Noise Source/s	Cicadas, birds, dog bark, traffic from Hunter Expressway		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	48	Period 1 Evening 6:00pm-10:00pm	43	Period 2 Night 10:00pm-7:00am	42	Sleep Disturbance (LAeq)	42	Sleep Disturbance (LAMax)	52

RESULTS			
Qualitative Assessment			
Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment			
Start Time	5:31am	**Finish time**	5:46am
LAmax	75.2		dBA
LAmin	38.8		dBA
LAeq 15 min	65.8		dBA
Exceedance of NML	23.8		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects and the Hunter Expressway. During the 15 minutes interval it was noted kookaburras chirping in the vicinity of the noise monitoring area. Vehicles from the Hunter Expressway could be well heard, and dogs were barking sporadically. Noise originating from cicadas was also recorded and remained constant throughout monitoring.

No construction noise was observed.

Appendix A - NOISE METER:
RAW DATA

	NCA 02 - 6 Dawes Avenue, Loxford
<CEL-620B Data>	
Version	
<Run>	
Location	FreeField
Response	6/02/2023 5:31
Start	0:15:00
Duration	0:00:00
Paused Duration	5015288
Serial Number	14
Run	No
Overload	No
Battery Low	
<Broadband>	90.3
LZSmax	6/02/2023 5:32
LZSmax Time	97.7
LZFmax	6/02/2023 5:32
LZFmax Time	101
LZImax	6/02/2023 5:32
LZImax Time	84.8
LCSmax	6/02/2023 5:32
LCSmax Time	92.3
LCFmax	6/02/2023 5:32
LCFmax Time	95.7
LCImax	6/02/2023 5:32
LCImax Time	72.1
LASmax	6/02/2023 5:45
LASmax Time	72.5
LAFmax	6/02/2023 5:45
LAFmax Time	75.2
LAImax	6/02/2023 5:46
LAImax Time	55.1
LZSmin	6/02/2023 5:36
LZSmin Time	52.8
LZFmin	6/02/2023 5:32
LZFmin Time	55.9

LZImin	6/02/2023 5:36
LZImin Time	51.7
LCSmin	6/02/2023 5:36
LCSmin Time	49.9
LCFmin	6/02/2023 5:36
LCFmin Time	52
LCImin	6/02/2023 5:36
LCImin Time	39.4
LASmin	6/02/2023 5:32
LASmin Time	38.2
LAFmin	6/02/2023 5:32
LAFmin Time	38.8
LAImin	6/02/2023 5:32
LAImin Time	67.3
LZeq	65
LCeq	65.3
LAeq	65.8
LAIeq	0
Lavg Threshold	64.1
Lavg Q=4	63.2
Lavg Q=5	105.3
LZpeak	6/02/2023 5:32
LZpeak Time	99.5
LCpeak	6/02/2023 5:32
LCpeak Time	89.9
LApeak	6/02/2023 5:32
LApeak Time	94.8
LAE	30.6
LAeq(T=80)	66.1
LAFTm3	66.4
LAFTm5	66.9
LAITm3	67.2
LAITm5	
<Octave LZeq>	60
16Hz	60.4
31.5Hz	51.6
64Hz	47.6
125Hz	39.2
250Hz	41.4

500Hz	40.5
1KHz	54.8
2KHz	63.6
4KHz	45.2
8KHz	26
16KHz	
<Octave LZFmax>	94.4
16Hz	93.9
31.5Hz	79.4
64Hz	69.9
125Hz	66.4
250Hz	67.7
500Hz	67.9
1KHz	63.4
2KHz	70.8
4KHz	53.8
8KHz	43.6
16KHz	
<Octave LZSmax>	87.5
16Hz	86.5
31.5Hz	72
64Hz	62.3
125Hz	58.7
250Hz	59.6
500Hz	59.8
1KHz	61.9
2KHz	70.3
4KHz	52
8KHz	35.7
16KHz	
<Calibration>	6/02/2023 5:31
Before Cal Date	94
Cal Ref.Level	0.8
Cal Position	6/02/2023 5:47
After Cal Date	0
Cal Change	

PROJECT DETAILS	Noise Monitoring Record sheet									
Project Name	Hunter Power Project									
Monitoring Location	NCA 03						20 Bowditch Avenue, Loxford			
Date	06/02/2023		**Time**	5:08am						
Construction Activity	Concrete pour									
Distance from Noise Source	1,150 m									
Weather Conditions	Clear, no wind, 23°C									
Noise Source/s	Cicadas, birds, Hunter Expressway									

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	50	Period 1 Evening 6:00pm-10:00pm	45	Period 2 Night 10:00pm-7:00am	43	Sleep Disturbance (LAeq)	43	Sleep Disturbance (LAMax)	53

RESULTS			
Qualitative Assessment			
Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment			
Start Time	5:08am	**Finish time**	5:23am
LAmax	62.1		dBA
LAmin	36.8		dBA
LAeq 15 min	43.5		dBA
Exceedance of NML	0.5		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects and the Hunter Expressway. During the 15-minute interval plovers and kookaburras were observed, producing mild noises. Noise originating from cicadas was also recorded and remained constant throughout monitoring.

No construction noise was observed.

Appendix A - NOISE METER : RAW DATA

	NCA 03 - 20 Bowditch Avenue, Loxford	
<CEL-620B Data>		
Version		
<Run>		
Location	FreeField	
Response		6/02/2023 5:08
Start		0:15:00
Duration		0:00:00
Paused Duration		5015288
Serial Number		13
Run	No	
Overload	No	
Battery Low		
<Broadband>		77.1
LZSmax		6/02/2023 5:13
LZSmax Time		83.3
LZFmax		6/02/2023 5:13
LZFmax Time		86.3
LZImax		6/02/2023 5:13
LZImax Time		62.7
LCSmax		6/02/2023 5:13
LCSmax Time		70
LCFmax		6/02/2023 5:13
LCFmax Time		73.7
LCImax		6/02/2023 5:13
LCImax Time		51.4
LASmax		6/02/2023 5:08
LASmax Time		58.1
LAFmax		6/02/2023 5:08
LAFmax Time		62.1
LAImax		6/02/2023 5:08
LAImax Time		50.5
LZSmin		6/02/2023 5:16
LZSmin Time		48
LZFmin		6/02/2023 5:19
LZFmin Time		51.3
LZImin		6/02/2023 5:15

LZImin Time	46.3
LCSmin	6/02/2023 5:08
LCSmin Time	44.6
LCFmin	6/02/2023 5:09
LCFmin Time	46.8
LCImin	6/02/2023 5:09
LCImin Time	37.1
LASmin	6/02/2023 5:08
LASmin Time	36.2
LAFmin	6/02/2023 5:08
LAFmin Time	36.8
LAImin	6/02/2023 5:09
LAImin Time	62.8
LZeq	50.6
LCeq	39.9
LAeq	43.5
LAIeq	0
Lavg Threshold	39.8
Lavg Q=4	39.8
Lavg Q=5	89
LZpeak	6/02/2023 5:13
LZpeak Time	81.5
LCpeak	6/02/2023 5:08
LCpeak Time	83.6
LApeak	6/02/2023 5:08
LApeak Time	69.5
LAE	0
LAeq(T=80)	43.5
LAFTm3	44.2
LAFTm5	46.6
LAITm3	47.5
LAITm5	
<Octave LZeq>	53
16Hz	47.4
31.5Hz	45
64Hz	43
125Hz	35.1
250Hz	31.4
500Hz	33.5

1KHz	27.7
2KHz	36.1
4KHz	22.8
8KHz	19.9
16KHz	
<Octave LZFmax>	75.6
16Hz	69.3
31.5Hz	58.3
64Hz	60.5
125Hz	54.9
250Hz	51.6
500Hz	54.8
1KHz	50.7
2KHz	52.3
4KHz	51.5
8KHz	42.6
16KHz	
<Octave LZSmax>	69.2
16Hz	62.4
31.5Hz	56.1
64Hz	52.7
125Hz	47.4
250Hz	44.5
500Hz	47.4
1KHz	43.7
2KHz	45.2
4KHz	44.9
8KHz	40.7
16KHz	
<Calibration>	6/02/2023 5:07
Before Cal Date	94
Cal Ref.Level	0.8
Cal Position	6/02/2023 5:24
After Cal Date	0
Cal Change	

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 04	464 Cessnock Rd, Gillieston Heights	
Date	06/02/2023	**Time**	4:32am
Construction Activity	Concrete pour		
Distance from Noise Source	1,240 m		
Weather Conditions	Clear, no wind, 23°C		
Noise Source/s	Birds, cicadas, traffic on the main road		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	55	Period 1 Evening 6:00pm-10:00pm	50	Period 2 Night 10:00pm-7:00am	41	Sleep Disturbance (LAeq)	41	Sleep Disturbance (LAMax)	52

RESULTS			
Qualitative Assessment			
Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment			
Start Time	4:32am	**Finish time**	4:47am
LAmax	84		dBA
LAmin	34.9		dBA
LAeq 15 min	67.6		dBA
Exceedance of NML	26.6		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects and vehicles on the main road. During the 15 min interval, it was noted cicadas and birds chirping. Noise originating from cicadas was recorded and remained constant throughout monitoring.

No construction noise was observed.

Appendix A - NOISE METER : RAW DATA

	NCA 04 - 464 Cessnock Rd, Gillieston Heights	
<CEL-620B Data>		
Version		
<Run>		
Location	FreeField	
Response		6/02/2023 4:32
Start		0:15:00
Duration		0:00:00
Paused Duration		5015288
Serial Number		12
Run	No	
Overload	No	
Battery Low		
<Broadband>		86.9
LZSmax		6/02/2023 4:34
LZSmax Time		94.3
LZFmax		6/02/2023 4:34
LZFmax Time		97.5
LZImax		6/02/2023 4:34
LZImax Time		83.8
LCSmax		6/02/2023 4:34
LCSmax Time		89.3
LCFmax		6/02/2023 4:34
LCFmax Time		92.4
LCImax		6/02/2023 4:34
LCImax Time		79.5
LASmax		6/02/2023 4:44
LASmax Time		83.2
LAFmax		6/02/2023 4:44
LAFmax Time		84
LAImax		6/02/2023 4:44
LAImax Time		55
LZSmin		6/02/2023 4:47
LZSmin Time		50.5
LZFmin		6/02/2023 4:33
LZFmin Time		56.1

LZImin	6/02/2023 4:47
LZImin Time	45.9
LCSmin	6/02/2023 4:33
LCSmin Time	44.1
LCFmin	6/02/2023 4:33
LCFmin Time	47
LCImin	6/02/2023 4:33
LCImin Time	35.2
LASmin	6/02/2023 4:33
LASmin Time	34.6
LAFmin	6/02/2023 4:33
LAFmin Time	34.9
LAImin	6/02/2023 4:33
LAImin Time	71.8
LZeq	68.3
LCeq	64.9
LAeq	67.6
LAIeq	0
Lavg Threshold	63.3
Lavg Q=4	62.2
Lavg Q=5	101.5
LZpeak	6/02/2023 4:34
LZpeak Time	96.8
LCpeak	6/02/2023 4:34
LCpeak Time	96.4
LApeak	6/02/2023 4:47
LApeak Time	94.4
LAE	51.9
LAeq(T=80)	69.4
LAFTm3	71.2
LAFTm5	70.9
LAITm3	72.5
LAITm5	
<Octave LZeq>	61.5
16Hz	59.9
31.5Hz	61.8
64Hz	60.7
125Hz	57.3
250Hz	57.8

500Hz	62.6
1KHz	57.7
2KHz	47.2
4KHz	38.4
8KHz	33
16KHz	
<Octave LZFmax>	89.9
16Hz	91.4
31.5Hz	82.6
64Hz	84.5
125Hz	79.3
250Hz	77.6
500Hz	81.7
1KHz	75.7
2KHz	64.5
4KHz	62.9
8KHz	56.1
16KHz	
<Octave LZSmax>	82.5
16Hz	84.2
31.5Hz	78.5
64Hz	81.7
125Hz	76.6
250Hz	73.9
500Hz	77.5
1KHz	72.4
2KHz	61.4
4KHz	54.8
8KHz	47.8
16KHz	
<Calibration>	6/02/2023 4:32
Before Cal Date	94
Cal Ref.Level	0.9
Cal Position	6/02/2023 4:48
After Cal Date	0
Cal Change	

PROJECT DETAILS	Noise Monitoring Record sheet		
Project Name	Hunter Power Project		
Monitoring Location	NCA 05	15 Sawyers Gully Rd, Sawyers Gully	
Date	06/02/2023	**Time**	6:01am
Construction Activity	Concrete pour		
Distance from Noise Source	3,210 m		
Weather Conditions	Clear, no wind, 23°C		
Noise Source/s	Birds, cicadas, local main road, Hunter Expressway, airplane, vehicles on main road		

SOUND METER DETAILS					
Serial Number	5015288	**Make**	Casella	**Model**	CEL-620B
Calibration Details	Meter calibrated by Supplier on the 15/08/2022				
Test Standards	AS 1055.1:1997 and AS 2659.2:1983				

Noise Management Levels	Std Construction Hrs 7:00 am – 6:00 pm Weekdays	45	Period 1 Evening 6:00pm-10:00pm	35	Period 2 Night 10:00pm-7:00am	35	Sleep Disturbance (LAeq)	40	Sleep Disturbance (LAMax)	52

RESULTS

Qualitative Assessment

Construction Noise Inaudible	☒	**Construction noise intermittently audible**	☐
Construction noise typically audible	☐	**Construction noise clearly audible**	☐
Construction noise is dominant noise source	☐	**Impulsive construction noise audible (e.g. rock-breaking)**	☐
High noise generating activities audible (e.g. chainsaws)	☐	**Tonal construction noise audible**	☐

Quantitative Assessment

Start Time	6:01am	**Finish time**	6:16am
LAmax	75		dBA
LAmin	47.6		dBA
LAeq 15 min	58.9		dBA
Exceedance of NML	23.9		dBA

Comments

During monitoring, construction noise was inaudible. Other noise sources included birds, insects and the local main road. Vehicles from the Hunter Expressway could also be heard but were slightly faint. Light and heavy vehicles were travelling on the main road. Noise originating from cicadas was also recorded and remained constant throughout monitoring. A garbage truck stopped by across the road, producing significant noise at 6:09am

No construction noise was observed.

Appendix A - NOISE METER : RAW DATA

	NCA 05 - 15 Sawyers Gully Rd, Sawyers Gully
<CEL-620B Data>	
Version	
<Run>	
Location	FreeField
Response	6/02/2023 6:01
Start	0:15:00
Duration	0:00:00
Paused Duration	5015288
Serial Number	15
Run	No
Overload	No
Battery Low	
<Broadband>	81.6
LZSmax	6/02/2023 6:16
LZSmax Time	83.9
LZFmax	6/02/2023 6:16
LZFmax Time	84.7
LZImax	6/02/2023 6:16
LZImax Time	80.8
LCSmax	6/02/2023 6:16
LCSmax Time	83.6
LCFmax	6/02/2023 6:16
LCFmax Time	84.4
LCImax	6/02/2023 6:16
LCImax Time	71.8
LASmax	6/02/2023 6:16
LASmax Time	74.4
LAFmax	6/02/2023 6:16
LAFmax Time	75
LAImax	6/02/2023 6:16
LAImax Time	60.6
LZSmin	6/02/2023 6:12
LZSmin Time	57.5
LZFmin	6/02/2023 6:12
LZFmin Time	61
LZImin	6/02/2023 6:12

LZImin Time	57.6
LCSmin	6/02/2023 6:12
LCSmin Time	55.7
LCFmin	6/02/2023 6:12
LCFmin Time	58.3
LCImin	6/02/2023 6:12
LCImin Time	47.8
LASmin	6/02/2023 6:12
LASmin Time	46.9
LAFmin	6/02/2023 6:12
LAFmin Time	47.6
LAImin	6/02/2023 6:12
LAImin Time	67.7
LZeq	66.4
LCeq	57.7
LAeq	58.9
LAIeq	0
Lavg Threshold	57
Lavg Q=4	56.6
Lavg Q=5	92.1
LZpeak	6/02/2023 6:16
LZpeak Time	91.1
LCpeak	6/02/2023 6:16
LCpeak Time	89.4
LApeak	6/02/2023 6:10
LApeak Time	87.2
LAE	0
LAeq(T=80)	60.4
LAFTm3	61.7
LAFTm5	61.5
LAITm3	62.7
LAITm5	
<Octave LZeq>	57.4
16Hz	58.5
31.5Hz	63.5
64Hz	60.7
125Hz	56.1
250Hz	51.9
500Hz	53.1

1KHz	49.5
2KHz	49
4KHz	36.6
8KHz	24.2
16KHz	
<Octave LZFmax>	77.6
16Hz	74.8
31.5Hz	79.3
64Hz	77.9
125Hz	82.9
250Hz	70.4
500Hz	68.7
1KHz	63.5
2KHz	59.6
4KHz	58.6
8KHz	44.2
16KHz	
<Octave LZSmax>	73.4
16Hz	72.5
31.5Hz	75.7
64Hz	75.2
125Hz	79
250Hz	66.3
500Hz	66.1
1KHz	61.6
2KHz	57.9
4KHz	55.5
8KHz	41.5
16KHz	
<Calibration>	6/02/2023 6:01
Before Cal Date	94
Cal Ref.Level	0.8
Cal Position	6/02/2023 6:17
After Cal Date	-0.1
Cal Change	