Compliance Noise Monitoring

Byron Resource Recovery Centre The Manse Road Myocum

HEALTH SCIENCE ENVIROMENTAL EDUCATION ENVIRONMENTAL AUDITOR

Compliance Noise Monitoring

Byron Resource Recovery Centre The Manse Road Myocum

Prepared for: Byron Shire Council Project:56/2023 Version: REVISEDFINAL Date: 1 August 2023 Tim Fitzroy & Associates ABN: 94120188829 ACN: 120188829 environmental

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1.1 Purpose

Tim Fitzroy & Associates (TFA) were engaged by Byron Shire Council (BSC) to undertake an operational noise assessment at the Byron Resource Recovery Centre (BRRC) (former Myocum Landfill), The Manse Road Myocum. Key components of the noise assessment were to:

- undertake compliance noise monitoring during:
 - Operation mulching of stockpiled green waste at the BRRC; and
 - Routine operations at Myocum Quarry;
- provide an updated noise assessment of site operations.

The focus of compliance noise monitoring undertaken on the 10 July 2023 was the Peterson 2710D green waste grinder and associated excavator.

1.2 Site Description and Surrounds

The subject site is described as Lot 1 DP 1052900 The Manse Road, Myocum. The BRCC is established between two remnant ridgelines. The BRCC is located at Myocum around 6km south of Mullumbimby and 9km southwest of Brunswick Heads. The Myocum quarry is located immediately to the west of the site on Lot 1 DP591441.

The Resource Recovery Area is located on the crest of a hill. The surrounding area is undulating.

A number of residences are within close proximity of the BRCC. Residences R1 to R5 (inclusive) are identified in **Illustration 2.1**. Residences R1, R3 and R4 are owned by BSC, while the other residences are privately owned. Residences R1 and R5 are two storey dwelling houses while the other dwellings are single storey.

A BSC operated quarry is located to the immediate west of the BRCC, while Leela Quarry (privately operated) is located to the north (see **Illustration 2.1**). Vegetation provides a visual screen from the BRCC to residences R1, R2, R3 and R5.

2.1 Typical Operations

Byron Resource Recovery operations are carried out in the transfer station and public drop off areas. The Byron Resource Recovery Centre operating hours are 7:30 am to 4:00pm (Monday to Friday) and 8:30am to 11:30am (Saturday and Sunday). Landfilling operations ceased in late September 2013. Additional infrastructure has been installed at the existing transfer station for the temporary storage and bulk transfer of waste to South east Queensland. A new Green waste and Metals Recycling Area has been established on a level area between the redundant northern and southern landfill cells.

Council operates a single body, dual axle, hook lift truck for the purpose of transporting water and roll on roll off bins (RORO). The water tank is used for dust suppression and firefighting while the RORO bins (e.g. 10m) are used for the transfer of waste and recycling. Council operates a Backhoe (Cat 432D) for the management of green waste, metals recycling and putrescible waste.

An excavator is used to load the putrescible waste at the transfer station, load the metal recycling and green waste and construction and demolition waste into a RORO bin (e.g. 60m).

The Litter bins (L-bins) in the public drop-off area are emptied using a loader. The loader is also used for loading the organics in the pasteurisation process. Waste is deposited into L-bins at the public drop-off area.

A variety of vehicles including private vehicles, mini skips, council rubbish trucks (up to 8 per day), deposit waste either at the transfer station or the resource recovery area. Semi-trailers operate in the Resource Recovery area with RORO bins. Walking floor trucks operate in the transfer station. Average movements are four a day, Monday to Friday.

To the northwest face are the weighbridge, waste transfer station and second-hand shop. This area is not in a direct line of site to residences R1, R2, R4 and R5.

2.2 Intermittent Operations

Intermittent noise generating activities include grinding of green waste (every 6 to 8 weeks) and loading out of metals recycling (every 2 weeks).

The following corrective actions are employed by BSC to reduce noise impacts from intermittent noise generating activities:

- Green waste and metal processing do not occur on weekends and public holidays;
- Commencement of these operational activities shall take place on weekdays only, commencing no earlier than 9:00 a.m. and ceasing no later than 4:00 p.m.;

Dates for green waste processing will be scheduled at least two weeks in advance of commencement, and potentially affected resident neighbours will be notified by a letter box drop.

2.3 Licence Conditions

The NSW Environment Protection Authority (EPA) has issued licence conditions for the Myocum Landfill and the Byron Resource Recovery Centre. Noise Monitoring locations are to be located within 30m of Residence R1 to R5 (inclusive) are identified in Table 2.1.

Condition L3.1 of EPL 13127 states

Noise from the premises must not exceed an LAeq(15 minute) noise emission criterion of 43 dB(A) at monitoring points 8 (N1), 9 (N2), 11 (N4) and 12 (N5) and an LAeg(15 minute) noise emission criterion of 39 dB(A) at monitoring point 10 (N3) during operations at the premises.

L3.2 of EPL 13127 states that:

To determine compliance with condition L3.1 noise must be measured at, or computed for, the most affected point on or within the boundary of the residential property (N1, N2, N3, N4, N5), or if this is more than 30m from the residence, at the most affected point within 30m of the residence. A modifying factor correction must be applied for tonal, impulsive or intermittent noise in accordance with the "Noise Policy for Industry (NSW EPA 2017)".

L4.1 of EPL 6057 states that noise from the premises must not exceed: a) An LAeg(15 minute) noise emission criterion of 43 dB(A) at monitoring points 20 (N1), 21 (N2), 27 (N4) and 28 (N5) and an LAeq(15 minute) noise emission criterion of 39 dB(A) at monitoring point 22 (N3) during operations at the landfill. Where LAeq means the equivalent continuous noise level - the level of noise equivalent to the energy-average of noise levels occurring over a measurement period.

L4.2 To determine compliance with condition L4.1 noise must be measured at, or computed for, the most affected point on or within the boundary of the residential property (N1, N2, N3, N4, N5), or if this is more than 30m from the residence, at the most affected point within 30m of the residence. A modifying factor correction must be applied for tonal, impulsive or intermittent noise in accordance with the "Environmental Noise Management - NSW Industrial Noise Policy (January 2000)".

Other Monitoring and Recording Conditions:

Condition M6 of EPL 13127:

M6 of EPL 13127 states:

- M6.1 The licensee must monitor noise at noise monitoring points 8, 9, 10, 11 • and 12 during high noise impact activities such as the processing of green waste, during the activities, using a noise meter and dB(A) as the unit of measure.
- M6.2 Condition M6.1 only applies to noise monitoring points N1, N3 and N4 if the residences to which the monitoring points relate are sold, leased or otherwise lawfully occupied, and in any case of lease or occupation, for the full term of the lease or occupation.

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Variation to EPL 13127, dated 5 May 20-23 states that:

The noise limits identified in L3.1 do not apply at residential properties (N1, N2, N3, N4, N5) subject to a current written noise level agreement between the licensee and the property occupier. A Noise Agreement has been signed between BSC and the residents at N1, N2, N3, N4 and N5 to allow a maximum level of 70dB(A) Leq (15mintes) during grinding operations (see **Appendix A**).

L4.3 od EPL 6057 states that the noise limits identified in L4.1 do not apply at residential properties (N1, N2, N3, N4, N5) where conditions of a current noise level agreement between the licensee of EPL13127 and the property occupier are met.

Location	Description	Distance from BRRC (m)
N1	Council owned house, 127	200
	Manse Rd, southeast of BRRC	
N2	Private House, 110 Manse	300
	Road, south of BRRC	
N3	Council owned house, 1 Dingo	700
	lane, west of quarry and BRRC	
N4	Council owned house, 147 The	200
	Manse Road, east of BRRC	
N5	Private house, 149 Manse	250
	Road, south east of BRRC	

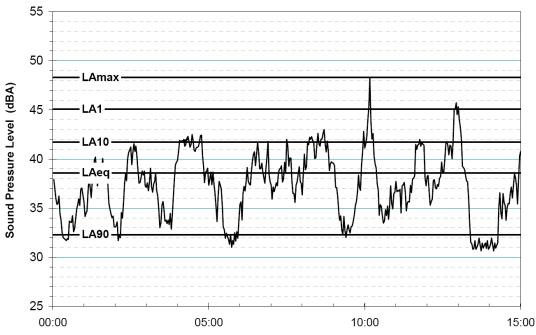
Table 2.1 Noise Monitoring Locations in EPL 30m from dwellings

This report refers to a number of different acoustical terms. Particularly the L_{Aeq} , L_{Amax} , L_{A10} and L_{A90} descriptors. Each descriptor is briefly explained below.

- The L_{Aeq} is essentially the average sound level. It is defined as the steady sound level that contains the same amount of acoustical energy as a given time; varying sound over a defined measurement period.
- The L_{Amax} noise level is the maximum A-weighted noise level.
- The L_{A10} is the A-weighted sound pressure level exceeded 10% of a given measurement period and is utilised normally to characterise typical maximum noise levels.
- The L_{A90} noise level is the A-weighted sound pressure level exceeded 90% of a given measurement period and is representative of the average minimum background sound level (in the absence of the source under consideration), or simply the "background" level.

Sound power level is the **acoustic energy** emitted by a source which produces a **sound** pressure **level** at some distance. While the **sound power level** of a source is fixed, the **sound** pressure **level** depends upon the distance from the source and the **acoustic** characteristics of the area in which it is located.

Figure 2.1 Graphical Display of Typical Noise Indices



Monitoring or Survey Period (minutes)

The L_{Aeq} is essentially the average sound level. It is defined as the steady sound level that contains the same amount of acoustical energy at a given time; varying sound over a defined measurement period.

In accordance with the NSW Industrial Noise Policy (INP) (NSW EPA 2000), the BRRC is classified as an industrial/commercial noise source. The assessment procedure for an industrial noise source should comprise of:

- Controlling intrusive noise impacts in the short term for surrounding residences; and
- Maintaining noise level amenity for particular land uses for residences and other land uses.

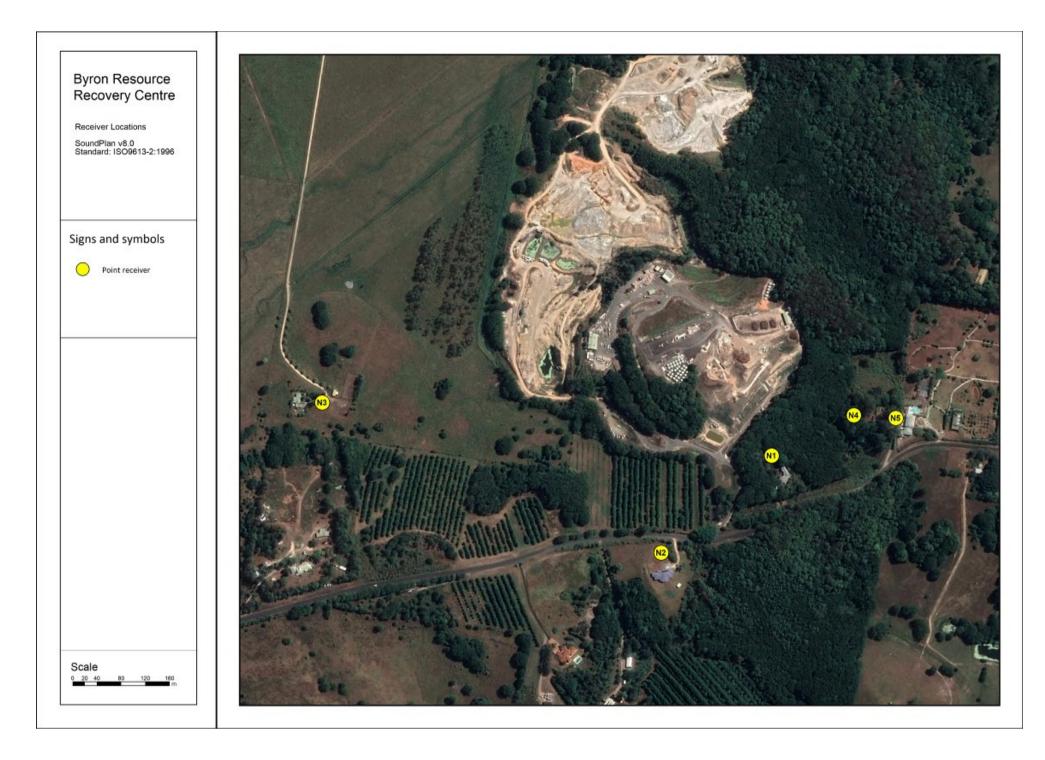
In assessing the noise impact of the BRRC on the surrounding land use, both components must be considered for residential receivers, but, in most cases, only one will become the limiting factor forming the project-specific noise level. The intrusiveness of an industrial noise source may be generally considered to be acceptable if the equivalent continuous A-weighted level of noise from the source, measured over a 15-minute period, does not exceed the background noise level by more than 5dB. Therefore, the limiting criteria for the control of intrusive noise impacts is if the L_{Aeq,15-minute} descriptor is < RBL + 5 dB.

In accordance with the INP, the project specific noise criteria are the lesser of either the amenity or intrusiveness criterion. The work to derive the PSNL was carried out previously, endorsed by the EPA and has resulted in the licence conditions imposed in EPL 13127 and EPL 6057.

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Illustration 2.1 Prescribed Noise Monitoring Locations and Dwelling Sites



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3. Noise Assessment

3.1 Acoustical Equipment

Tim Fitzroy & Associates utilised the following equipment in this Noise Impact Assessment:

• A Type 1, 1/3 Octave Band Larson Davis Noise Meter with sound recording and event trigger features.

Calibration of the noise monitoring equipment was undertaken prior to use. To ensure no significant tonal drift occurred over the monitoring period, the calibration was checked before and after each measurement period.

3.2 Monitoring Methodology

Noise monitoring was undertaken during typical resource recovery operations.

Typical operations include the operation of the excavator and unloading activities at the transfer station and resource recovery area plus vehicular movements.

Ambient sound pressure levels were measured generally in accordance with Australian Standard AS1055.1:1997 - 'Acoustics-Description and measurement of environmental noise - Part 1: General procedures'. The monitoring locations reflect as much as possible the requirement for monitoring at the most affected point within 30m of each dwelling.

Noise monitoring of green waste mulching operations was carried out on Monday 10 July 2023 between 9am and 10:30am.

15 minute samples were taken at each of the monitoring locations using a Larson Davis, type 1 Sound Level Meter. The Fast and A weighting settings were used. The microphone at each location was 1.35m above ground level.

The weather during the noise monitoring was fine. Winds conditions ranged from calm light northerly winds.

Photographs of the Grinder in operation are provided in **Appendix A**.

3.3 Noise Monitoring Results

The noise monitoring results (nmr) are provided in Table 3.1.

During green waste mulching operations, the main sources of noise from the BRCC was the mulching operation and excavator tracking and feeding the mulcher in the resource recovery area and in the transfer area. Other sources of noise included vehicle entering and leaving the BRRC and vehicle movements on the site and along The Manse Road. Environmental noise including crows was significant in some locations. During monitoring wind speed varied up to 5km/hr from the north.

In addition, there was audible noise emanating from the Myocum Quarry during the monitoring period.

Date	Location	Time	Measured L _{Aeq(15min)} dB(A)	Estimated BRCC Contribution	Comments	Licence Condition dB(A)
10/07/2023	N1	8:58am- 9:13am	59.3	59	Main noise the mulcher coupled with excavator operation in the Resource Recovery Area. Secondary noises included bird calls.	43
10/07/2023	N2	10:18am— 10:32am	51.1	50	Main noise. The mulcher coupled with excavator and vehicle operation in the Resource Recovery Area can be heard in the distance Secondary noises vehicles travelling along the Manse Road and intermittent bird calls.	43

Table 3.1Monitoring Results at N1, N2, N3, N4 and N5 during Green wasteMulching

10/07/2023	N3	10:47am- 11:02am	39	<35	Primary noise related to natural sounds including bird calls. Resource Recovery activities just audible in the distance	39
28/02/2023	N4	9:33am- 9:48am	72.2	60	Main noise green waste mulcher. Elevated and consistent dog barking in rear yard elevated overall noise impacts Background noise bird calls	43
28/02/2023	N5	9:58am- 10:13am	48.3	46	Main noise green waste mulcher. Background noise bird calls	43

Note: Full noise monitoring results are located in Appendix B.

3.4 Green Waste Mulching

At location N1, the measured LAeq was 59.3 dB(A). The dominant noise was the mulcher coupled with excavator operation in the Resource Recovery Area. Secondary noises included bird calls. The estimated contribution from Resource Recovery Operations was 59 dB (A). This is above the noise limit of 43dB (A) Leq however below the noise agreement level of 70dBA Leq during daytime (9am to 3pm) grinding operation. The residence, R1 is owned by BSC, the operator of the Byron Resource Recovery Centre.

At location N2, the measured LAeq was 51.1dB (A) Leq with the dominant noise being the green waste mulcher and excavator operation. Intermittent vehicles noise coupled with bird calls contributed to the noise recorded. The green waste mulcher and excavator operation could be heard in the distance. Noise estimated from Resource Recovery operations account for 50 dB (A) Leq. This is above the noise limit of 43dB (A) Leq however below the noise agreement level of 70dBA Leq during daytime (9am to 3pm) grinding operation. The residence, R2 is privately owned.

At Location N3, the measured LAeq was 39dB (A) with the dominant noise being natural noises (bird calls). The green waste mulcher and excavator operation were barely audible. Noise estimated from Resource Recovery operations account for less than 35dB (A). This is below the noise limit of 39dB (A) and the noise agreement level of 70dBA) Leq during daytime (9am to 3pm) grinding operation. The residence, R3 is owned by BSC, the operator of Byron Resource Recovery Centre.

At location N4, the measured LAeq was 72.2dB (A) with the dominant noise being dogs barking and the green waste mulcher and excavator operation. Noise estimated from Resource Recovery operations account for 60dB (A). This is above the noise limit of 43dB (A) however below the noise agreement level of 70dBA) Leq during daytime (9am to 3pm) grinding operation. The residence, R4 is owned by BSC, the operator of Byron Resource Recovery Centre.

At location N5, the measured LAeq was 48.3dB (A). During the monitoring period the primary noise was the mulching operation at BRRC, secondary noises included bird calls. Noise estimated from Resource Recovery operations account for 46 dB (A). This is above the noise limit of 43dB (A) however below the noise agreement level of 70dBA) Leq during daytime (9am to 3pm) grinding operation. The residence, R5 is privately owned.

Note: Full noise monitoring results are located in Appendix B.

4. Conclusions & Recommendations

It is concluded from the noise monitoring carried at sensitive receivers during green waste mulching on 10 July 2023 that at:

- Location N1:
 - \circ the measured LAeq was 59.3dB(A).
 - the estimated contribution from Resource Recovery Operations was 59dB (A) Leq. This is above the noise limit of 43dB (A) Leq however below the noise agreement level of 70dBA Leq during daytime (9am to 3pm) grinding operation.
- Location N2:
 - the measured LAeq was 51.1dB (A)
 - The estimated contribution from Resource Recovery Operations was LAeq 50 dB (A). This is above the noise limit of 43dB(A) Leq however below the noise agreement level of 70dBA Leq during daytime (9am to 3pm) grinding operation.
- Location N3:
 - the measured LAeq was 39dB (A).
 - the estimated contribution from Resource Recovery Operations was less than LAeq 35dB (A) which is below the noise limit of 39dB (A) Leq and below the noise agreement level of 70dB(A) LAeq during daytime (9am to 3pm) grinding operations
- Location N4:
 - the measured LAeq was 72.2dB (A).
 - noise estimated from Resource Recovery operations account for LAeq 60dB (A) which is above the noise limit of LAeq 43dB (A) and below the noise agreement level of 70dBA) LAeq during daytime (9am to 3pm) grinding operations, with the dominant noise being dogs barking and the green waste mulcher and excavator operation.
- Location N5
 - the measured LAeq was 48.3dB (A).
 - noise estimated from Resource Recovery operations account for LAeq 46 dB (A) which is above the noise limit of LAeq 43 dB (A) and below the noise agreement level of 70dBA) LAeq during daytime (9am to 3pm) grinding operations

Residence R1, R3 and R4 are owned by Byron Shire Council.

/ - Atz

Tim Fitzroy Environmental Health Scientist Environmental Auditor

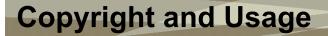
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NSW DECC, 2009	Noise Guide for Local Government, Department of Environment,
	Climate Change & Water, Sydney

NSW EPA, 2017 Noise Policy for Industry. Environmental Protection Authority, Sydney



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BSC File no: E2022/77670 15 August 2022

Negotiated Noise Agreement

The Byron Resource Recovery Centre would like to acknowledge a Negotiated Noise Agreement with the below receiver:

127 the Manse Road Myocum, NSW 2481

Or otherwise identified as RECEIVER N1 in Appendix A of the Myocum Landfill Remediation Plan – Landfill Environmental Management Plan revised 15 May 2008.

The terms of this agreement are outlined below:

1. Increase in Noise Emission Criterion for EPL 13127:

a. An increase to the maximum LAeq (15min) noise emission criterion in Section L3.1 of EPL 13127 to a measured 70 db. This increased level is to be verified for compliance by noise monitoring as outlined in Section L3.2 of EPL 13127.

2. Timing of Grinding Operations

a. Grinding will only occur between the hours of 9:00 am and 4:00pm weekdays; and

b. Grinding will only occur once a calendar month for no more than 4 days in a row.

1, Made Astawa (name of resident) of Lot 3 - 127 The Manse Rep (address)

agree to the following terms outlined above in this Negotiated Noise Agreement.

Kind Regards,

Danielle Hanigan Manager, Resource Recovery



BSC File no: E2022/77668 15 August 2022

Negotiated Noise Agreement

The Byron Resource Recovery Centre would like to acknowledge a Negotiated Noise Agreement with the below receiver:

1 Dingo Lane Myocum, NSW 2481

Or otherwise identified as RECEIVER N3 in Appendix A of the Myocum Landfill Remediation Plan – Landfill Environmental Management Plan revised 15 May 2008.

The terms of this agreement are outlined below:

- 1. Increase in Noise Emission Criterion for EPL 13127:
 - a. An increase to the maximum LAeq (15min) noise emission criterion in Section L3.1 of EPL 13127 to a measured 70 db. This increased level is to be verified for compliance by noise monitoring as outlined in Section L3.2 of EPL 13127.

2. Timing of Grinding Operations

- a. Grinding will only occur between the hours of 9:00 am and 4:00pm weekdays; and
- b. Grinding will only occur once a calendar month for no more than 4 days in a row.

I, April Rose (name of resident) of I dingo lane east, Myocum. (address)

agree to the following terms outlined above in this Negotiated Noise Agreement.

Kind Regards,

Junge

Danielle Hanigan Manager, Resource Recovery



BSC File no: E2022/77671 15 August 2022

Negotiated Noise Agreement

The Byron Resource Recovery Centre would like to acknowledge a Negotiated Noise Agreement with the below receiver:

147 the Manse Road Myocum, NSW 2481

Or otherwise identified as RECEIVER N4 in Appendix A of the Myocum Landfill Remediation Plan – Landfill Environmental Management Plan revised 15 May 2008.

The terms of this agreement are outlined below:

- 1. Increase in Noise Emission Criterion for EPL 13127:
 - a. An increase to the maximum LAeq (15min) noise emission criterion in Section L3.1 of EPL 13127 to a measured 70 db. This increased level is to be verified for compliance by noise monitoring as outlined in Section L3.2 of EPL 13127.

2. Timing of Grinding Operations

- a. Grinding will only occur between the hours of 9:00 am and 4:00pm weekdays; and
- b. Grinding will only occur once a calendar month for no more than 4 days in a row.

I, Kaisey Simmonds (name of resident) of 147 The Manse Rd, Myourderess)

agree to the following terms outlined above in this Negotiated Noise Agreement.

Kind Regards,

Muny

Danielle Hanigan Manager, Resource Recovery



BSC File no: E2022/77669 15 August 2022

Negotiated Noise Agreement

The Byron Resource Recovery Centre would like to acknowledge a Negotiated Noise Agreement with the below receiver:

110 the Manse Road Myocum, NSW 2481

Or otherwise identified as RECEIVER N2 in Appendix A of the Myocum Landfill Remediation Plan – Landfill Environmental Management Plan revised 15 May 2008.

The terms of this agreement are outlined below:

1. Increase in Noise Emission Criterion for EPL 13127:

a. An increase to the maximum LAeq (15min) noise emission criterion in Section L3.1 of EPL 13127 to a measured 70 db. This increased level is to be verified for compliance by noise monitoring as outlined in Section L3.2 of EPL 13127.

2. Timing of Grinding Operations

a. Grinding will only occur between the hours of 9:00 am and 4:00pm weekdays; and

b. Grinding will only occur once a calendar month for no more than 4 days in a row.

1, <u>Barry Stennes</u> (name of resident) of 110 Manse Rol. (address (address)

agree to the following terms outlined above in this Negotiated Noise Agreement.

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Danielle Hanigan Manager, Resource Recovery

B Photographs

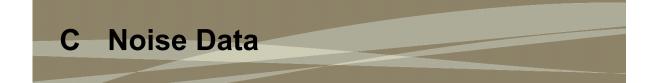


Photo A Green Waste Mulching



Photo B Excavator feeding Mulcher





Compliance Noise Monitoring Byron Resource Recovery



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dB Time Stamp dB Time Stamp dB Time Stamp dB Time Stamp Leq 55.3 68.2 68.9 68.9 68.9 68.9 68.9 68.9 68.9 68.9 77.7 2023/07/10 9:12:34 75.2 2023/07/10 9:12:34 75.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 80.4 2023/07/10 8:59:07 64.4 2023/07/10 8:59:07 64.4 2023/07/10 8:59:07 64.9 2023/07/10 8:59:07 64.9 2023/07/10 8:59:07 64.9 2023/07/10 8:59:07 64.9 2023/07/10 8:59:07 64.9 2023/07/10 8:59:07 64.9 2023/07/10 8:59:07 64.9 2023/07/10 8:59:07 64.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 62.8<	LAleq - LAeq	0.8	dB				
Leq 59.3 68.2 68.9 Ls(max) 64.5 2023/07/10 9:04:49 74.7 2023/07/10 9:12:34 75.2 2023/07/10 9:12:34 Lf(max) 66.2 2023/07/10 9:04:49 77.7 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 Lf(max) 66.5 2023/07/10 9:12:01 79.6 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 Lf(mix) 54.2 2023/07/10 9:12:01 79.6 2023/07/10 8:59:07 64.4 2023/07/10 9:12:01 Lf(min) 54.2 2023/07/10 8:59:56 59.8 2023/07/10 8:59:03 60.7 2023/07/10 8:59:03 Lf(min) 54.1 2023/07/10 8:59:27 61.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 Lpk(max) 87.1 2023/07/10 8:59:45 87.4 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 Overload Count 0 0 0 0 88.2 2023/07/10 8:58:45 87.4 2023/07/10 8:58:45 2023/07/10 8:58:45 Statistics IA 100 63.4 dB IA 5.00 61.7 dB </th <th></th> <th>А</th> <th></th> <th></th> <th>с</th> <th></th> <th>z</th>		А			с		z
L5(max) 64.5 2023/07/10 9:04:49 74.7 2023/07/10 9:12:34 75.2 2023/07/10 9:12:34 Lf(max) 66.2 2023/07/10 9:12:01 77.7 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 L(max) 68.5 2023/07/10 9:12:01 79.6 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 L(max) 68.5 2023/07/10 9:12:01 79.6 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 L(max) 53.8 2023/07/10 8:59:07 64.4 2023/07/10 8:59:07 64.4 2023/07/10 8:59:07 64.4 2023/07/10 8:59:03 60.7 2023/07/10 8:59:03 L(min) 53.8 2023/07/10 8:59:07 61.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 Lpk(max) 87.1 2023/07/10 8:59:07 61.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 Overload Count 0 0 5 87.4 2023/07/10 9:12:01 88.2 2023/07/10 8:59:03 Statistics 5 5 87.4 2023/07/10 9:12:01 88.2 5		dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
LF(max) 66.2 2023/07/10 9:04:49 77.7 2023/07/10 9:12:01 78.2 2023/07/10 9:12:01 L(max) 66.5 2023/07/10 9:12:01 79.6 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 L(max) 54.2 2023/07/10 9:59.27 63.8 2023/07/10 8:59.07 64.4 2023/07/10 8:59.07 L(min) 53.8 2023/07/10 8:59.27 61.9 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03 62.8 2023/07/10 8:59.03	Leq	59.3		68.2		68.9	
L(max) 68.5 2023/07/10 9:12:01 79.6 2023/07/10 9:12:01 80.4 2023/07/10 9:12:01 L(min) 54.2 2023/07/10 8:59:57 63.8 2023/07/10 8:59:07 64.4 2023/07/10 8:59:07 L(min) 53.8 2023/07/10 8:59:56 59.8 2023/07/10 8:59:03 60.7 2023/07/10 8:59:03 L(min) 54.1 2023/07/10 8:59:57 61.9 2023/07/10 8:59:03 62.2 2023/07/10 8:59:03 L(min) 54.1 2023/07/10 8:59:57 61.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 L(max) 87.1 2023/07/10 8:59:45 87.4 2023/07/10 9:20:31 88.2 2023/07/10 8:58:45 Overload Count 0 0 5 87.4 2023/07/10 9:20:31 88.2 2023/07/10 8:59:03 Statistics Statistics Statistics Statistic Statistic Statistic	LS(max)	64.5	2023/07/10 9:04:49	74.7	2023/07/10 9:12:34	75.2	2023/07/10 9:12:34
L5(min) 54.2 2023/07/10 8:59:27 63.8 2023/07/10 8:59:07 64.4 2023/07/10 8:59:07 Lf(min) 53.8 2023/07/10 8:59:56 59.8 2023/07/10 8:59:03 60.7 2023/07/10 8:59:03 Lf(min) 54.1 2023/07/10 8:59:56 59.8 2023/07/10 8:59:03 60.7 2023/07/10 8:59:03 Lf(min) 54.1 2023/07/10 8:59:27 61.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 Lpk(max) 87.1 2023/07/10 8:59:45 87.4 2023/07/10 9:12:01 88.2 2023/07/10 8:58:45 Overload Duration 0.0 s 5 5 87.4 2023/07/10 9:12:01 88.2 2023/07/10 8:58:45 Statistics Sta	LF(max)	66.2	2023/07/10 9:04:49	77.7	2023/07/10 9:12:01	78.2	2023/07/10 9:12:01
Lr(min) 53.8 2023/07/10 8:59:56 59.8 2023/07/10 8:59:03 60.7 2023/07/10 8:59:03 L(min) 54.1 2023/07/10 8:59:27 61.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 Lpk(max) 87.1 2023/07/10 8:59:27 61.9 2023/07/10 9:12:01 88.2 2023/07/10 8:59:03 Overload Count 0	LI(max)	68.5	2023/07/10 9:12:01	79.6	2023/07/10 9:12:01	80.4	2023/07/10 9:12:01
L(min) 54.1 2023/07/10 8:59:27 61.9 2023/07/10 8:59:03 62.8 2023/07/10 8:59:03 Lpk(max) 87.1 2023/07/10 8:58:45 87.4 2023/07/10 9:12:01 88.2 2023/07/10 8:58:45 Overload Count 0 0 5 08A Overload Count 0 0 5 08A Overload Duration 0.0 s 5 5 5 5 5 5 5 6 6 6 6 6 6 7 6 9 2023/07/10 9:12:01 88.2 2023/07/10 8:58:45 0 6 7 6 9 2023/07/10 9:12:01 88.2 2023/07/10 8:58:45 0 0 6 0 6 0 6 0 6 0 <	LS(min)	54.2	2023/07/10 8:59:27	63.8	2023/07/10 8:59:07	64.4	2023/07/10 8:59:07
Lpk(max) 87.1 2023/07/10 8:58:45 87.4 2023/07/10 9:12:01 88.2 2023/07/10 8:58:45 Overload Count 0	LF(min)	53.8	2023/07/10 8:59:56	59.8	2023/07/10 8:59:03	60.7	2023/07/10 8:59:03
Overload Count 0 Overload Duration 0.0 s OBA Overload Count 0 OBA Overload Duration 0.0 s Statistics	LI(min)	54.1	2023/07/10 8:59:27	61.9	2023/07/10 8:59:03	62.8	2023/07/10 8:59:03
Overload Duration 0.0 s OBA Overload Count 0 OBA Overload Duration 0.0 s Statistics	Lpk(max)	87.1	2023/07/10 8:58:45	87.4	2023/07/10 9:12:01	88.2	2023/07/10 8:58:45
Overload Duration 0.0 s OBA Overload Count 0 OBA Overload Duration 0.0 s Statistics	Overload Count	0					
OBA Overload Count 0 OBA Overload Duration 0.0 s Statistics Image: Comparison of the state of			s				
Statistics LA 1.00 63.4 dB LA 5.00 61.7 dB LA 1.00 61.1 dB	OBA Overload Count						
LA 1.00 63.4 dB LA 5.00 61.7 dB LA 10.00 61.1 dB	OBA Overload Duration	0.0	s				
LA 1.00 63.4 dB LA 5.00 61.7 dB LA 10.00 61.1 dB	Statistics						
LA 5.00 61.7 dB LA 10.00 61.1 dB		63.4	dB				
LA 10.00 61.1 dB	LA 5.00						
LA 50.00 59.1 dB							

56.1 dB 54.5 dB

LA 90.00 LA 99.00

Calibration History										
Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.
Direct	2022-10-05 13:16:06	-27.09	49.65	53.02	49.79	48.71	42.38	41.21	38.65	54.8
PRM831	2023-07-10 08:39:51	-27.03	48.12	49.23	53.85	48.43	39.12	35.97	44.69	45.3
PRM831	2023-06-29 10:16:21	-27.01	45.50	49.71	45.05	47.27	46.98	45.04	39.82	45.0
PRM831	2023-06-29 05:27:05	-27.11	56.09	57.29	53.92	51.39	61.70	58.09	49.99	51.0
PRM831	2023-06-21 17:46:42	-27.12	54.21	57.36	61.07	56.07	57.09	53.87	40.04	35.0
PRM831	2023-06-14 09:43:28	-27.05	40.86	38.43	45.90	44.05	47.69	41.73	42.50	44.
PRM831	2023-06-06 10:32:38	-27.07	48.33	49.31	48.43	53.24	48.68	54.67	57.26	54.8
PRM831	2023-06-03 14:32:48	-27.05	49.38	50.54	58.69	54.53	56.66	55.80	58.19	61.
PRM831	2023-05-24 07:43:27	-26.92	60.79	55.76	56.10	55.58	60.83	58.45	57.38	56.0
PRM831	2023-05-05 11:57:12	-27.00	50.93	55.80	51.21	47.84	44.76	48.16	51.32	50.9
PRM831	2023-04-17 12:05:20	-26.87	93.78	77.66	72.88	66.06	64.83	65.33	70.43	64.1
PRM831	2023-03-23 11:18:17	-27.03	47.10	45.96	68.92	75.64	86.21	121.75	113.86	105.
Unknown	2021-04-15 13:48:38	-27.20	51.73	50.59	53.95	50.95	62.85	72.79	57.38	51.5
Unknown	2021-04-15 13:43:05	-27.13	50.14	48.23	52.56	48.31	48.80	44.22	39.27	44.

40.0 48.71 45.74 46.82 46.98 37.65 54.41 54.08 55.18 58.00 54.28 59.53 100.68 49.91 42.67

50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
47.95	43.10	50.54	51.79	40.11	45.88	52.54	51.53	41.73	37.90	31.81	24.45	28.50	112.91	48.28	19.60	64.32	18.96	58.71	24.40	29.21	20.10	21.50	22.52	23.49	24.18	25.41
46.34	49.39	42.09	38.43	35.85	32.93	34.53	33.18	29.57	31.79	30.02	27.18	28.97	113.97	49.33	19.80	65.24	20.27	59.58	25.18	30.50	21.69	22.10	23.00	24.34	25.28	26.43
50.25	44.07	40.10	41.19	37.79	42.60	40.29	37.91	38.46	39.83	35.32	29.60	30.58	114.08	49.42	19.40	65.45	20.48	59.73	25.52	30.37	21.73	22.98	23.66	29.46	25.36	26.52
42.79	42.85	45.08	51.93	43.60	36.96	39.57	34.88	33.20	34.80	29.97	23.78	31.46	114.01	49.32	22.37	65.31	19.97	59.59	25.01	30.59	21.59	22.30	23.22	25.53	25.67	26.45
55.01	50.85	47.66	50.02	44.53	52.18	39.78	37.54	36.05	30.72	28.50	27.66	30.90	113.91	49.20	19.72	65.08	20.11	59.62	25.16	30.68	21.60	22.52	23.38	24.43	25.47	26.24
48.04	56.50	49.57	48.36	42.01	38.71	33.89	26.58	27.93	22.67	22.50	23.03	29.63	114.01	49.24	19.55	65.37	20.02	59.63	25.16	30.38	21.42	22.68	23.76	34.23	27.28	26.68
63.48	56.13	50.47	53.75	52.39	52.25	50.65	45.65	45.47	39.14	34.91	31.21	29.85	113.96	49.21	19.29	65.23	19.92	59.69	25.04	30.72	21.53	22.51	23.17	24.28	25.47	26.66
62.71	59.54	51.65	54.16	48.44	46.49	47.53	54.87	55.08	53.75	51.53	45.79	40.15	113.86	49.16	21.88	65.13	19.92	59.54	24.01	30.14	21.58	22.24	22.97	24.52	25.52	26.44
55.98	53.66	54.44	51.93	49.87	48.48	44.89	42.93	39.04	39.10	40.10	33.52	30.66	114.06	49.21	19.65	65.61	20.10	59.94	24.82	30.47	21.79	22.52	23.19	24.38	25.70	26.40
51.60	52.63	54.84	47.01	50.42	50.20	39.51	37.99	33.31	32.88	36.34	35.93	31.65	113.86	49.16	20.40	65.30	19.98	59.60	24.57	30.16	21.45	21.77	23.01	24.42	25.44	26.47
65.27	68.67	59.69	57.47	65.53	60.95	62.24	61.44	64.67	54.89	55.79	51.32	45.08	114.14	49.32	23.00	65.77	20.45	59.90	26.38	30.33	21.37	23.27	25.29	36.06	27.07	27.55
90.44	86.75	81.12	74.77	66.05	64.50	64.88	60.95	55.23	55.70	52.08	51.68	45.79	58.38	42.01	37.86	34.97	31.65	30.19	27.77	27.16	26.01	25.16	24.80	25.29	26.23	26.66
52.54	51.34	53.56	47.24	37.13	32.28	35.09	35.72	32.30	34.07	33.60	30.20	29.71	113.89	49.30	20.14	65.63	20.25	59.63	25.50	30.50	21.77	23.08	24.12	28.61	26.06	26.90
32.34	29.98	30.10	27.18	38.72	30.04	34.94	36.23	32.56	31.78	28.91	31.01	30.92	112.87	48.19	18.38	64.47	18.83	58.58	24.14	29.07	20.79	21.65	22.34	23.71	24.58	25.40

ummary						
Name on Meter	831_Data.445.s					
e Name on PC	831C_10998-20230710 101833-831_Data.445.ld	lbin				
erial Number	0010998					
lodel	SoundAdvisor™ Model 831C					
rmware Version	04.0.7R0					
ser						
ocation						
b Description						
ote						
leasurement						
escription						
atitude	GPS Not Synchronized					
ongitude	GPS Not Synchronized					
levation	GPS Not Synchronized					
tart	2023-07-10 10:18:33					
top	2023-07-10 10:33:37					
uration	00:15:03.5					
un Time	00:15:03.5					
ause	00:00:00.0					
	001001010					
re-Calibration	2023-07-10 08:39:51					
ost-Calibration	None					
alibration Deviation						
moración periación						
verall Settings						
MS Weight	A Weighting					
eak Weight	C Weighting					
etector	Fast					
reamplifier	PRM831					
licrophone Correction	Off					
tegration Method	Linear					
tegration Method BA Range	Normal					
BA Range BA Bandwidth	1/1 and 1/3					
BA Frequency Weighting	Z Weighting					
BA Max Spectrum	Bin Max					
ain	0.0 dB					
verload	144.2 dB					
	Α	с	z			
nder Range Peak	66.0	67.0	69.0 dB			
ider Range Limit	25.6	26.2	37.0 dB			
ise Floor	16.5	17.0	24.6 dB			
	First	Second	Third			
trument Identification						
tem Metrics						
stem methos	Minimum		Maximum		Las	1
ternal Temperature	84.0 °F		94.6 °F		94.6 °F	•
ternal Voltage	12.5 V		12.7 V		12.6 V	
citta voltage	12.5 V		12.7 ¥		12.0 V	
ılts						
29	51.1 dB					
E	80.7 dB					
L	80.7 dB 12.933 μPa²h					
ok (max)	2023-07-10 10:24:06	86.8 dB				
Fmax	2023-07-10 10:24:06 2023-07-10 10:26:53	63.0 dB				
min	2023-07-10 10:19:42	43.5 dB				
	-99.9 dB					
FTM5	54.1 dB					
	.					
	Exceedance Counts	Duration				
AF > 65.0 dB	0	0.0 s				
AF > 85.0 dB	0	0.0 s				
Cpk > 135.0 dB	0	0.0 s				
Cpk > 137.0 dB	0	0.0 s				
pk > 140.0 dB	0	0.0 s				
nmunity Noise		LDay 07:00-22:00	LNight 22:00-07:00	LDEN	LDay 07:00-19:00	LEvening 19:00-22:00
	51.1	51.1		51.1	51.1	

LCeq	63.6	dD				
LCeq	51.1					
LCeq - LAeq	12.5					
LAleq	52.7					
LAeq	51.1					
LAleq - LAeq	1.6	dB	1		1	
	A			С		Z
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	51.1		63.6		69.2	
Ls(max)	60.2	2023/07/10 10:24:08	76.5	2023/07/10 10:23:59	82.8	2023/07/10 10:29:00
LF(max)	63.0	2023/07/10 10:26:53	78.3	2023/07/10 10:23:59	88.7	2023/07/10 10:29:00
LI(max)	67.0	2023/07/10 10:26:53	78.9	2023/07/10 10:23:59	90.9	2023/07/10 10:29:00
LS(min)	44.3	2023/07/10 10:21:14	55.9	2023/07/10 10:21:16	60.2	2023/07/10 10:18:59
LF(min)	43.5	2023/07/10 10:19:42	54.0	2023/07/10 10:20:46	56.6	2023/07/10 10:20:46
LI(min)	44.0	2023/07/10 10:21:13	56.3	2023/07/10 10:21:16	60.5	2023/07/10 10:18:59
Lpk(max)	86.5	2023/07/10 10:32:53	86.8	2023/07/10 10:24:06	93.0	2023/07/10 10:29:00
Overload Count	0					
Overload Duration	0.0	¢				
OBA Overload Count	0	-				
OBA Overload Duration	0.0	s				
Statistics						
LA 1.00	57.8	dB				
LA 5.00	54.9	dB				
LA 10.00	53.7	dB				
LA 50.00	50.0	dB				
LA 90.00	46.4	dB				
LA 99.00	44.7	dB				

ation History					
eamp	Date	dB re. 1V/Pa	6.3	8.0	10.0
lirect	2022-10-05 13:16:06	-27.09	49.65	53.02	49.79
RM831	2023-07-10 08:39:51	-27.03	48.12	49.23	53.85
RM831	2023-06-29 10:16:21	-27.01	45.50	49.71	45.05
RM831	2023-06-29 05:27:05	-27.11	56.09	57.29	53.92
RM831	2023-06-21 17:46:42	-27.12	54.21	57.36	61.07
RM831	2023-06-14 09:43:28	-27.05	40.86	38.43	45.90
PRM831	2023-06-06 10:32:38	-27.07	48.33	49.31	48.43
RM831	2023-06-03 14:32:48	-27.05	49.38	50.54	58.69
RM831	2023-05-24 07:43:27	-26.92	60.79	55.76	56.10
RM831	2023-05-05 11:57:12	-27.00	50.93	55.80	51.21
PRM831	2023-04-17 12:05:20	-26.87	93.78	77.66	72.88
PRM831	2023-03-23 11:18:17	-27.03	47.10	45.96	68.92
Jnknown	2021-04-15 13:48:38	-27.20	51.73	50.59	53.95
Inknown	2021-04-15 13:43:05	-27.13	50.14	48.23	52.56

50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
47.95	43.10	50.54	51.79	40.11	45.88	52.54	51.53	41.73	37.90	31.81	24.45	28.50	112.91	48.28	19.60	64.32	18.96	58.71	24.40	29.21	20.10	21.50	22.52	23.49	24.18	25.41
46.34	49.39	42.09	38.43	35.85	32.93	34.53	33.18	29.57	31.79	30.02	27.18	28.97	113.97	49.33	19.80	65.24	20.27	59.58	25.18	30.50	21.69	22.10	23.00	24.34	25.28	26.43
50.25	44.07	40.10	41.19	37.79	42.60	40.29	37.91	38.46	39.83	35.32	29.60	30.58	114.08	49.42	19.40	65.45	20.48	59.73	25.52	30.37	21.73	22.98	23.66	29.46	25.36	26.52
42.79	42.85	45.08	51.93	43.60	36.96	39.57	34.88	33.20	34.80	29.97	23.78	31.46	114.01	49.32	22.37	65.31	19.97	59.59	25.01	30.59	21.59	22.30	23.22	25.53	25.67	26.45
55.01	50.85	47.66	50.02	44.53	52.18	39.78	37.54	36.05	30.72	28.50	27.66	30.90	113.91	49.20	19.72	65.08	20.11	59.62	25.16	30.68	21.60	22.52	23.38	24.43	25.47	26.24
48.04	56.50	49.57	48.36	42.01	38.71	33.89	26.58	27.93	22.67	22.50	23.03	29.63	114.01	49.24	19.55	65.37	20.02	59.63	25.16	30.38	21.42	22.68	23.76	34.23	27.28	26.68
63.48	56.13	50.47	53.75	52.39	52.25	50.65	45.65	45.47	39.14	34.91	31.21	29.85	113.96	49.21	19.29	65.23	19.92	59.69	25.04	30.72	21.53	22.51	23.17	24.28	25.47	26.66
62.71	59.54	51.65	54.16	48.44	46.49	47.53	54.87	55.08	53.75	51.53	45.79	40.15	113.86	49.16	21.88	65.13	19.92	59.54	24.01	30.14	21.58	22.24	22.97	24.52	25.52	26.44
55.98	53.66	54.44	51.93	49.87	48.48	44.89	42.93	39.04	39.10	40.10	33.52	30.66	114.06	49.21	19.65	65.61	20.10	59.94	24.82	30.47	21.79	22.52	23.19	24.38	25.70	26.40
51.60	52.63	54.84	47.01	50.42	50.20	39.51	37.99	33.31	32.88	36.34	35.93	31.65	113.86	49.16	20.40	65.30	19.98	59.60	24.57	30.16	21.45	21.77	23.01	24.42	25.44	26.47
65.27	68.67	59.69	57.47	65.53	60.95	62.24	61.44	64.67	54.89	55.79	51.32	45.08	114.14	49.32	23.00	65.77	20.45	59.90	26.38	30.33	21.37	23.27	25.29	36.06	27.07	27.55
90.44	86.75	81.12	74.77	66.05	64.50	64.88	60.95	55.23	55.70	52.08	51.68	45.79	58.38	42.01	37.86	34.97	31.65	30.19	27.77	27.16	26.01	25.16	24.80	25.29	26.23	26.66
52.54	51.34	53.56	47.24	37.13	32.28	35.09	35.72	32.30	34.07	33.60	30.20	29.71	113.89	49.30	20.14	65.63	20.25	59.63	25.50	30.50	21.77	23.08	24.12	28.61	26.06	26.90
32.34	29.98	30.10	27.18	38.72	30.04	34.94	36.23	32.56	31.78	28.91	31.01	30.92	112.87	48.19	18.38	64.47	18.83	58.58	24.14	29.07	20.79	21.65	22.34	23.71	24.58	25.40

ummary						
e Name on Meter	831_Data.447.s					
le Name on PC	831C_10998-20230710 104737-831_Data.447.ld	lbin				
erial Number	0010998					
lodel	SoundAdvisor™ Model 831C					
rmware Version	04.0.7R0					
er						
ocation						
b Description						
te						
leasurement						
escription						
atitude	GPS Not Synchronized					
ongitude	GPS Not Synchronized					
evation	GPS Not Synchronized					
art	2023-07-10 10:47:37					
op	2023-07-10 11:02:40					
uration	00:15:02.9					
in Time	00:15:02.9					
use	00:00:00.0					
- C-l'h	2022 07 10 00:20:51					
re-Calibration	2023-07-10 08:39:51					
ost-Calibration	None					
alibration Deviation						
orall Cattings						
verall Settings MS Weight	A Minishting					
vis weight eak Weight	A Weighting C Weighting					
etector	Fast					
eamplifier	PRM831					
icrophone Correction	Off					
tegration Method	Linear					
BA Range	Normal					
BA Bandwidth	1/1 and 1/3					
BA Frequency Weighting	Z Weighting					
A Max Spectrum	Bin Max					
ain	0.0 dB					
rerload	144.2 dB					
enoau	A	с	Z			
nder Range Peak	66.0	67.0	69.0 dB			
ider Range Limit	25.6	26.2	37.0 dB			
ise Floor	16.5	17.0	24.6 dB			
	10.5	17.0	24.0 00			
	First	Second	Third			
trument Identification						
tem Metrics						
	Minimum		Maximum		Las	t
ternal Temperature	96.8 °F		100.1 °F		100.1 °F	
ernal Voltage	12.4 V		12.7 V		12.6 V	
ılts						
eq	39.0 dB					
E	68.6 dB					
	0.797 μPa²h					
pk (max)	2023-07-10 11:01:50	77.7 dB				
max	2023-07-10 10:48:33	59.9 dB				
min	2023-07-10 10:59:35	30.8 dB				
-	-99.9 dB					
TM5	45.7 dB					
	Europe E	-				
	Exceedance Counts	Duration				
AF > 65.0 dB	0	0.0 s				
F > 85.0 dB	0	0.0 s				
pk > 135.0 dB	0	0.0 s				
Cpk > 137.0 dB	0	0.0 s				
pk > 140.0 dB	0	0.0 s				
mmunity Noico	100	LDay 07:00-22:00	LNight 22:00-07:00	IDEN	LDov 07:00 10:00	Evoning 10:00 32:00
nmunity Noise	LDN I 39.0	39.0	-99.9	LDEN 39.0	LDay 07:00-19:00 39.0	LEvening 19:00-22:00 -99.9
	59.0	59.0		59.0	23.0	

LCeq	53.7					
LAeq	39.0					
LCeq - LAeq	14.7	dB				
LAleq	43.4	dB				
LAeq	39.0	dB				
LAleg - LAeg	4.4	dB				
	Α			с		z
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	39.0		53.7		66.2	
LS(max)	55.1	2023/07/10 10:48:33	63.4	2023/07/10 11:01:50	83.1	2023/07/10 11:01:47
LF(max)	59.9	2023/07/10 10:48:33	68.0	2023/07/10 11:01:50	89.0	2023/07/10 11:01:47
LI(max)	62.3	2023/07/10 10:48:33	71.3	2023/07/10 11:01:50	92.0	2023/07/10 11:01:47
LS(min)	31.6	2023/07/10 10:59:35	49.0	2023/07/10 10:48:02	53.1	2023/07/10 10:48:00
LF(min)	30.8	2023/07/10 10:59:35	47.1	2023/07/10 10:57:37	51.1	2023/07/10 10:58:53
LI(min)	31.4	2023/07/10 10:59:35	49.9	2023/07/10 10:57:50	55.1	2023/07/10 10:47:55
Lpk(max)	75.5	2023/07/10 10:57:50	77.7	2023/07/10 11:01:50	94.0	2023/07/10 11:01:47
Overload Count	0					
Overload Duration	0.0	s				
OBA Overload Count	0	5				
OBA Overload Duration	0.0	ç				
ODA OVERIORA DATACIÓN	0.0	2				
Statistics						
LA 1.00	47.2	dB				
LA 5.00	43.4	dB				
LA 10.00	41.8	dB				
LA 50.00	36.2	dB				
LA 90.00	33.9	dB				
LA 99.00	32.5	dB				

oration History										
Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	12.5 16.0	12.5 16.0 20.0	12.5 16.0 20.0 25.0	12.5 16.0 20.0 25.0 31.
Direct	2022-10-05 13:16:06	-27.09	49.65	53.02	49.79	48.71	48.71 42.38	48.71 42.38 41.21	48.71 42.38 41.21 38.65	48.71 42.38 41.21 38.65 54.8
PRM831	2023-07-10 08:39:51	-27.03	48.12	49.23	53.85	48.43	48.43 39.12	48.43 39.12 35.97	48.43 39.12 35.97 44.69	48.43 39.12 35.97 44.69 45.3
PRM831	2023-06-29 10:16:21	-27.01	45.50	49.71	45.05	47.27	47.27 46.98	47.27 46.98 45.04	47.27 46.98 45.04 39.82	47.27 46.98 45.04 39.82 45.0
PRM831	2023-06-29 05:27:05	-27.11	56.09	57.29	53.92	51.39	51.39 61.70	51.39 61.70 58.09	51.39 61.70 58.09 49.99	51.39 61.70 58.09 49.99 51.0
PRM831	2023-06-21 17:46:42	-27.12	54.21	57.36	61.07	56.07	56.07 57.09	56.07 57.09 53.87	56.07 57.09 53.87 40.04	56.07 57.09 53.87 40.04 35.0
PRM831	2023-06-14 09:43:28	-27.05	40.86	38.43	45.90	44.05	44.05 47.69	44.05 47.69 41.73	44.05 47.69 41.73 42.50	44.05 47.69 41.73 42.50 44.5
PRM831	2023-06-06 10:32:38	-27.07	48.33	49.31	48.43	53.24	53.24 48.68	53.24 48.68 54.67	53.24 48.68 54.67 57.26	53.24 48.68 54.67 57.26 54.8
PRM831	2023-06-03 14:32:48	-27.05	49.38	50.54	58.69	54.53	54.53 56.66	54.53 56.66 55.80	54.53 56.66 55.80 58.19	54.53 56.66 55.80 58.19 61.4
PRM831	2023-05-24 07:43:27	-26.92	60.79	55.76	56.10	55.58	55.58 60.83	55.58 60.83 58.45	55.58 60.83 58.45 57.38	55.58 60.83 58.45 57.38 56.6
PRM831	2023-05-05 11:57:12	-27.00	50.93	55.80	51.21	47.84	47.84 44.76	47.84 44.76 48.16	47.84 44.76 48.16 51.32	47.84 44.76 48.16 51.32 50.9
PRM831	2023-04-17 12:05:20	-26.87	93.78	77.66	72.88	66.06	66.06 64.83	66.06 64.83 65.33	66.06 64.83 65.33 70.43	66.06 64.83 65.33 70.43 64.1
PRM831	2023-03-23 11:18:17	-27.03	47.10	45.96	68.92	75.64	75.64 86.21	75.64 86.21 121.75	75.64 86.21 121.75 113.86	75.64 86.21 121.75 113.86 105.5
Unknown	2021-04-15 13:48:38	-27.20	51.73	50.59	53.95	50.95	50.95 62.85	50.95 62.85 72.79	50.95 62.85 72.79 57.38	50.95 62.85 72.79 57.38 51.5
Unknown	2021-04-15 13:43:05	-27.13	50.14	48.23	52.56	48.31	48.31 48.80	48.31 48.80 44.22	48.31 48.80 44.22 39.27	48.31 48.80 44.22 39.27 44.9

50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
47.95	43.10	50.54	51.79	40.11	45.88	52.54	51.53	41.73	37.90	31.81	24.45	28.50	112.91	48.28	19.60	64.32	18.96	58.71	24.40	29.21	20.10	21.50	22.52	23.49	24.18	25.41
46.34	49.39	42.09	38.43	35.85	32.93	34.53	33.18	29.57	31.79	30.02	27.18	28.97	113.97	49.33	19.80	65.24	20.27	59.58	25.18	30.50	21.69	22.10	23.00	24.34	25.28	26.43
50.25	44.07	40.10	41.19	37.79	42.60	40.29	37.91	38.46	39.83	35.32	29.60	30.58	114.08	49.42	19.40	65.45	20.48	59.73	25.52	30.37	21.73	22.98	23.66	29.46	25.36	26.52
42.79	42.85	45.08	51.93	43.60	36.96	39.57	34.88	33.20	34.80	29.97	23.78	31.46	114.01	49.32	22.37	65.31	19.97	59.59	25.01	30.59	21.59	22.30	23.22	25.53	25.67	26.45
55.01	50.85	47.66	50.02	44.53	52.18	39.78	37.54	36.05	30.72	28.50	27.66	30.90	113.91	49.20	19.72	65.08	20.11	59.62	25.16	30.68	21.60	22.52	23.38	24.43	25.47	26.24
48.04	56.50	49.57	48.36	42.01	38.71	33.89	26.58	27.93	22.67	22.50	23.03	29.63	114.01	49.24	19.55	65.37	20.02	59.63	25.16	30.38	21.42	22.68	23.76	34.23	27.28	26.68
63.48	56.13	50.47	53.75	52.39	52.25	50.65	45.65	45.47	39.14	34.91	31.21	29.85	113.96	49.21	19.29	65.23	19.92	59.69	25.04	30.72	21.53	22.51	23.17	24.28	25.47	26.66
62.71	59.54	51.65	54.16	48.44	46.49	47.53	54.87	55.08	53.75	51.53	45.79	40.15	113.86	49.16	21.88	65.13	19.92	59.54	24.01	30.14	21.58	22.24	22.97	24.52	25.52	26.44
55.98	53.66	54.44	51.93	49.87	48.48	44.89	42.93	39.04	39.10	40.10	33.52	30.66	114.06	49.21	19.65	65.61	20.10	59.94	24.82	30.47	21.79	22.52	23.19	24.38	25.70	26.40
51.60	52.63	54.84	47.01	50.42	50.20	39.51	37.99	33.31	32.88	36.34	35.93	31.65	113.86	49.16	20.40	65.30	19.98	59.60	24.57	30.16	21.45	21.77	23.01	24.42	25.44	26.47
65.27	68.67	59.69	57.47	65.53	60.95	62.24	61.44	64.67	54.89	55.79	51.32	45.08	114.14	49.32	23.00	65.77	20.45	59.90	26.38	30.33	21.37	23.27	25.29	36.06	27.07	27.55
90.44	86.75	81.12	74.77	66.05	64.50	64.88	60.95	55.23	55.70	52.08	51.68	45.79	58.38	42.01	37.86	34.97	31.65	30.19	27.77	27.16	26.01	25.16	24.80	25.29	26.23	26.66
52.54	51.34	53.56	47.24	37.13	32.28	35.09	35.72	32.30	34.07	33.60	30.20	29.71	113.89	49.30	20.14	65.63	20.25	59.63	25.50	30.50	21.77	23.08	24.12	28.61	26.06	26.90
32.34	29.98	30.10	27.18	38.72	30.04	34.94	36.23	32.56	31.78	28.91	31.01	30.92	112.87	48.19	18.38	64.47	18.83	58.58	24.14	29.07	20.79	21.65	22.34	23.71	24.58	25.40

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Name on PC	831C_10998-20230710 093319-831_Data.443.	dbin				
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del	SoundAdvisor™ Model 831C					
nware Version	04.0.7R0					
r						
ation						
Description						
e						
asurement						
scription						
itude	GPS Not Synchronized					
gitude	GPS Not Synchronized					
vation	GPS Not Synchronized					
rt	2023-07-10 09:33:19					
p	2023-07-10 09:48:35					
ration	00:15:16.4					
n Time	00:15:16.4					
ise	00:00:00.0					
	0010010010					
-Calibration	2023-07-10 08:39:51					
t-Calibration	None					
ibration Deviation						
erall Settings						
S Weight	A Weighting					
ık Weight	C Weighting					
ector	Fast					
amplifier	PRM831					
rophone Correction	Off					
egration Method	Linear					
A Range	Normal					
A Bandwidth	1/1 and 1/3					
A Frequency Weighting	Z Weighting					
A Max Spectrum	Bin Max					
ı	0.0 dB					
rload	144.2 dB		_			
	А	C 67.0	Z 69.0 dB			
			69.U 06			
	66.0 25.6					
er Range Limit	25.6	26.2	37.0 dB			
er Range Limit						
er Range Limit	25.6	26.2	37.0 dB			
er Range Limit e Floor	25.6 16.5	26.2 17.0	37.0 dB 24.6 dB			
er Range Limit æ Floor rument Identification	25.6 16.5	26.2 17.0	37.0 dB 24.6 dB			
der Range Peak der Range Limit se Floor trument Identification tem Metrics	25.6 16.5 First	26.2 17.0	37.0 dB 24.6 dB Third			
der Range Limit se Floor rument Identification tem Metrics	25.6 16.5 First Minimum	26.2 17.0	37.0 dB 24.6 dB Third Maximum		Las 77.5 °E	t
der Range Limit se Floor trument Identification tem Metrics ernal Temperature	25.6 16.5 First Minimum 75.0 °F	26.2 17.0	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	1
er Range Limit le Floor rument Identification em Metrics rnal Temperature	25.6 16.5 First Minimum	26.2 17.0	37.0 dB 24.6 dB Third Maximum			1
ler Range Limit se Floor rument Identification em Metrics rnal Temperature ernal Voltage	25.6 16.5 First Minimum 75.0 °F	26.2 17.0	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	
der Range Limit se Floor rument Identification tem Metrics	25.6 16.5 First Minimum 75.0 °F	26.2 17.0	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	1
ler Range Limit se Floor rument Identification rem Metrics rmal Temperature smal Voltage ults	25.6 16.5 First Minimum 75.0 °F 12.6 V	26.2 17.0	37.0 dB 24.6 dB Third Maximum 77.5 °F	_	77.5 °F	ł
ler Range Limit se Floor rrument Identification tem Metrics ernal Temperature ernal Voltage ults	25.6 16.5 First 75.0 °F 12.6 V 72.2 dB	26.2 17.0	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	1
ler Range Limit se Floor rument Identification em Metrics rnal Temperature ernal Voltage jults	25.6 16.5 First 75.0 °F 12.6 V 72.2 dB 101.8 dB	26.2 17.0	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	t
ler Range Limit se Floor rument Identification em Metrics rnal Temperature rrnal Voltage ults a k (max)	25.6 16.5 First 75.0 °F 12.6 V 72.2 dB 101.8 dB 1.690 mPa ² h	26.2 17.0 Second	37.0 dB 24.6 dB Third Maximum 77.5 °F	_	77.5 °F	ł
er Range Limit e Floor ument Identification em Metrics mal Temperature rnal Voltage (ts (max)	25.6 16.5 First Minimum 75.0 °F 12.6 V 72.2 dB 101.8 dB 1.690 mPa ² h 2023-07-10 09:40:54	26.2 17.0 Second 110.9 dB	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	
er Range Limit e Floor ument Identification im Metrics nal Temperature rnal Voltage (max) iax	25.6 16.5 First Minimum 75.0 "F 12.6 V 72.2 dB 101.8 dB 1.690 mPa ² h 2023-07-10 09:40:54	26.2 17.0 Second 110.9 dB 96.4 dB	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	t
r Range Limit Floor ument Identification m Metrics nal Temperature mal Voltage Its (max) ax in	25.6 16.5 First Minimum 75.0 °F 12.6 V 72.2 dB 101.8 dB 1.690 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:43:24	26.2 17.0 Second 110.9 dB 96.4 dB	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	
er Range Limit e Floor ument Identification em Metrics nal Temperature rnal Voltage Its (max) max	25.6 16.5 First Minimum 75.0 °F 12.6 V 72.2 dB 101.8 dB 1.690 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:43:24 2023-07-10 09:33:24 -99.9 dB 81.9 dB	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	1
er Range Limit e Floor rument Identification em Metrics rnal Temperature rnal Voltage lts I ((max) max nin TM5	25.6 16.5 First Minimum 75.0 °F 12.6 V 72.2 dB 1018 dB 1.690 mPa ³ h 2023-07-10 09:40:54 2023-07-10 09:40:54 2023-07-10 09:33:24 -999 dB 81.9 dB	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	
er Range Limit er Floor rument Identification em Metrics rrnal Temperature rrnal Voltage sits (max) max min rM5 > 65.0 dB	25.6 16.5 First Minimum 75.0 *F 12.6 V 72.2 dB 101.8 dB 101.9 dC 10.9	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB Duration 496.0 s	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	2
er Range Limit er Floor rument Identification em Metrics rnal Temperature rrnal Voltage (max) (max) max min FM5 > 65.0 dB	25.6 16.5 First Minimum 75.0 °F 12.6 V 72.2 dB 101.8 dB 1.690 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:43:24 -99.9 dB 81.9 dB 81.9 dB Exceedance Counts 202	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB 0uration 496.0 s 5.5 s	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	
er Range Limit er Floor rrument Identification em Metrics rrnal Temperature rrnal Voltage uits : (max) nax nin : (max) s 55.0 dB > 85.0 dB > 85.0 dB	25.6 16.5 First 75.0 °F 12.6 V 72.2 dB 1018 dB 1.690 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:40:54 2023-07-10 09:33:24 -99.9 dB 81.9 dB Exceedance Counts 202 12 0	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB Duration 496.0 s 5.5 s 0.0 s	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	
ler Range Limit se Floor rument Identification em Metrics unal Temperature errnal Voltage ults (max) max (max) min TM5 > 65.0 dB > 85.0 dB > 85.0 dB < > 135.0 dB	25.6 16.5 First Minimum 75.0 *F 12.6 V 72.2 dB 101.8 dB 1.690 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:40 0 0	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB Duration 496.0 s 5.5 s 0.0 s	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	2
r Range Limit Floor m Metrics nal Temperature nal Voltage ts max) ax max) ax b5 65.0 dB 85.0 dB 85.0 dB	25.6 16.5 First 75.0 °F 12.6 V 72.2 dB 1018 dB 1.690 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:40:54 2023-07-10 09:33:24 -99.9 dB 81.9 dB Exceedance Counts 202 12 0	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB Duration 496.0 s 5.5 s 0.0 s	37.0 dB 24.6 dB Third Maximum 77.5 °F		77.5 °F	
Range Limit Floor nent Identification <u>1 Metrics</u> al Temperature al Voltage 5 nax) * 15 15 55.0 dB 135.0 dB 135.0 dB 137.0 dB 140.0 dB	25.6 16.5 First Minimum 75.0 *F 12.6 V 72.2 dB 1018 dB 1030 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:40:54 0 dB	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB Duration 496.0 s 5.5 s 0.0 s 0.0 s 0.0 s	37.0 dB 24.6 dB Third 77.5 °F 12.7 V		77.5 °F 12.6 V	
r Range Limit Floor ment Identification n Metrics hal Temperature hal Voltage ts max) xx n 45 65.0 dB 85.0 dB 85.0 dB 85.0 dB 135.0 dB	25.6 16.5 First Minimum 75.0 *F 12.6 V 72.2 dB 1018 dB 1030 mPa ² h 2023-07-10 09:40:54 2023-07-10 09:40:54 0 dB	26.2 17.0 Second 110.9 dB 96.4 dB 52.8 dB Duration 496.0 s 5.5 s 0.0 s	37.0 dB 24.6 dB Third Maximum 77.5 °F	LDEN 72.2	77.5 °F	۲ د. د. د. د. د. د. د. د. د. د. د. د. د.

10		10				
LCeq	74.4					
LAeq	72.2					
LCeq - LAeq	2.2					
LAleq	80.6					
LAeq	72.2	dB				
LAleq - LAeq	8.4	dB				
	Α			с		Z
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	72.2		74.4		74.5	
LS(max)	88.6	2023/07/10 9:40:54	89.8	2023/07/10 9:40:54	89.8	2023/07/10 9:40:54
LF(max)	96.4	2023/07/10 9:40:54	97.7	2023/07/10 9:40:54	97.7	2023/07/10 9:40:54
LI(max)	100.0	2023/07/10 9:40:54	101.6	2023/07/10 9:40:54	101.5	2023/07/10 9:40:54
LS(min)	55.7	2023/07/10 9:33:34	62.7	2023/07/10 9:34:07	63.2	2023/07/10 9:34:07
LF(min)	52.8	2023/07/10 9:33:24	60.9	2023/07/10 9:34:58	61.5	2023/07/10 9:34:58
LI(min)	55.9	2023/07/10 9:33:35	62.2	2023/07/10 9:35:01	62.8	2023/07/10 9:34:58
Lpk(max)	109.8	2023/07/10 9:40:54	110.9	2023/07/10 9:40:54	111.0	2023/07/10 9:40:54
Overload Count	0					
Overload Duration	0.0	s				
OBA Overload Count	0					
OBA Overload Duration	0.0	s				
Statistics						
LA 1.00	83.1	dB				
LA 5.00	79.2					
LA 10.00	75.8					
LA 50.00	63.8	ав				

59.6 dB 55.5 dB

LA 90.00 LA 99.00

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5
Direct	2022-10-05 13:16:06	-27.09	49.65	53.02	49.79	48.71	42.38	41.21	38.65	54.81
PRM831	2023-07-10 08:39:51	-27.03	48.12	49.23	53.85	48.43	39.12	35.97	44.69	45.30
PRM831	2023-06-29 10:16:21	-27.01	45.50	49.71	45.05	47.27	46.98	45.04	39.82	45.04
PRM831	2023-06-29 05:27:05	-27.11	56.09	57.29	53.92	51.39	61.70	58.09	49.99	51.07
PRM831	2023-06-21 17:46:42	-27.12	54.21	57.36	61.07	56.07	57.09	53.87	40.04	35.01
PRM831	2023-06-14 09:43:28	-27.05	40.86	38.43	45.90	44.05	47.69	41.73	42.50	44.51
PRM831	2023-06-06 10:32:38	-27.07	48.33	49.31	48.43	53.24	48.68	54.67	57.26	54.80
PRM831	2023-06-03 14:32:48	-27.05	49.38	50.54	58.69	54.53	56.66	55.80	58.19	61.46
PRM831	2023-05-24 07:43:27	-26.92	60.79	55.76	56.10	55.58	60.83	58.45	57.38	56.67
PRM831	2023-05-05 11:57:12	-27.00	50.93	55.80	51.21	47.84	44.76	48.16	51.32	50.99
PRM831	2023-04-17 12:05:20	-26.87	93.78	77.66	72.88	66.06	64.83	65.33	70.43	64.19
PRM831	2023-03-23 11:18:17	-27.03	47.10	45.96	68.92	75.64	86.21	121.75	113.86	105.55
Jnknown	2021-04-15 13:48:38	-27.20	51.73	50.59	53.95	50.95	62.85	72.79	57.38	51.56
Jnknown	2021-04-15 13:43:05	-27.13	50.14	48.23	52.56	48.31	48.80	44.22	39.27	44.90

40.0 48.71 45.74 46.82 46.98 37.65 54.41 54.08 55.18 58.00 54.28 59.53 100.68 49.91 42.67

50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
47.95	43.10	50.54	51.79	40.11	45.88	52.54	51.53	41.73	37.90	31.81	24.45	28.50	112.91	48.28	19.60	64.32	18.96	58.71	24.40	29.21	20.10	21.50	22.52	23.49	24.18	25.41
46.34	49.39	42.09	38.43	35.85	32.93	34.53	33.18	29.57	31.79	30.02	27.18	28.97	113.97	49.33	19.80	65.24	20.27	59.58	25.18	30.50	21.69	22.10	23.00	24.34	25.28	26.43
50.25	44.07	40.10	41.19	37.79	42.60	40.29	37.91	38.46	39.83	35.32	29.60	30.58	114.08	49.42	19.40	65.45	20.48	59.73	25.52	30.37	21.73	22.98	23.66	29.46	25.36	26.52
42.79	42.85	45.08	51.93	43.60	36.96	39.57	34.88	33.20	34.80	29.97	23.78	31.46	114.01	49.32	22.37	65.31	19.97	59.59	25.01	30.59	21.59	22.30	23.22	25.53	25.67	26.45
55.01	50.85	47.66	50.02	44.53	52.18	39.78	37.54	36.05	30.72	28.50	27.66	30.90	113.91	49.20	19.72	65.08	20.11	59.62	25.16	30.68	21.60	22.52	23.38	24.43	25.47	26.24
48.04	56.50	49.57	48.36	42.01	38.71	33.89	26.58	27.93	22.67	22.50	23.03	29.63	114.01	49.24	19.55	65.37	20.02	59.63	25.16	30.38	21.42	22.68	23.76	34.23	27.28	26.68
63.48	56.13	50.47	53.75	52.39	52.25	50.65	45.65	45.47	39.14	34.91	31.21	29.85	113.96	49.21	19.29	65.23	19.92	59.69	25.04	30.72	21.53	22.51	23.17	24.28	25.47	26.66
62.71	59.54	51.65	54.16	48.44	46.49	47.53	54.87	55.08	53.75	51.53	45.79	40.15	113.86	49.16	21.88	65.13	19.92	59.54	24.01	30.14	21.58	22.24	22.97	24.52	25.52	26.44
55.98	53.66	54.44	51.93	49.87	48.48	44.89	42.93	39.04	39.10	40.10	33.52	30.66	114.06	49.21	19.65	65.61	20.10	59.94	24.82	30.47	21.79	22.52	23.19	24.38	25.70	26.40
51.60	52.63	54.84	47.01	50.42	50.20	39.51	37.99	33.31	32.88	36.34	35.93	31.65	113.86	49.16	20.40	65.30	19.98	59.60	24.57	30.16	21.45	21.77	23.01	24.42	25.44	26.47
65.27	68.67	59.69	57.47	65.53	60.95	62.24	61.44	64.67	54.89	55.79	51.32	45.08	114.14	49.32	23.00	65.77	20.45	59.90	26.38	30.33	21.37	23.27	25.29	36.06	27.07	27.55
90.44	86.75	81.12	74.77	66.05	64.50	64.88	60.95	55.23	55.70	52.08	51.68	45.79	58.38	42.01	37.86	34.97	31.65	30.19	27.77	27.16	26.01	25.16	24.80	25.29	26.23	26.66
52.54	51.34	53.56	47.24	37.13	32.28	35.09	35.72	32.30	34.07	33.60	30.20	29.71	113.89	49.30	20.14	65.63	20.25	59.63	25.50	30.50	21.77	23.08	24.12	28.61	26.06	26.90
32.34	29.98	30.10	27.18	38.72	30.04	34.94	36.23	32.56	31.78	28.91	31.01	30.92	112.87	48.19	18.38	64.47	18.83	58.58	24.14	29.07	20.79	21.65	22.34	23.71	24.58	25.40

immary						
Name on Meter	831_Data.444.s					
e Name on PC	831C_10998-20230710 095811-831_Data.444.lc	lbin				
rial Number	0010998					
odel	SoundAdvisor™ Model 831C					
rmware Version	04.0.7R0					
ser						
cation						
b Description						
te						
easurement						
escription						
titude	GPS Not Synchronized					
ngitude	GPS Not Synchronized					
evation	GPS Not Synchronized					
art	2023-07-10 09:58:11					
op	2023-07-10 10:13:15					
uration	00:15:04.0					
ın Time	00:15:04.0					
iuse	00:00:00.0					
e-Calibration	2023-07-10 08:39:51					
ost-Calibration	None					
libration Deviation						
verall Settings						
MS Weight	A Weighting					
ak Weight	C Weighting					
etector	Fast					
eamplifier	PRM831					
icrophone Correction	Off					
tegration Method	Linear					
3A Range	Normal					
3A Bandwidth	1/1 and 1/3					
3A Frequency Weighting	Z Weighting					
BA Max Spectrum	Bin Max					
in	0.0 dB					
verload	144.2 dB					
	А	с	z			
nder Range Peak	66.0	67.0	69.0 dB			
ider Range Limit	25.6	26.2	37.0 dB			
ise Floor	16.5	17.0	24.6 dB			
	First	Second	Third			
trument Identification						
tem Metrics						
Steni Wiethus	Minimum		Maximum		Las	t
ternal Temperature	78.4 °F		82.6 °F		82.6 °F	
ternal Voltage	12.6 V		12.7 V		12.6 V	
	11.0				12.0 V	
ilts						
2q	48.3 dB					
E	77.9 dB					
-	6.791 µPa²h					
ok (max)	2023-07-10 10:10:53	83.6 dB				
max	2023-07-10 10:04:37	67.1 dB				
Fmin	2023-07-10 10:03:51	41.7 dB				
A.	-99.9 dB	11.7 00				
TM5	54.1 dB					
-	5112 40					
	Exceedance Counts	Duration				
F > 65.0 dB	6	1.9 s				
F > 85.0 dB	0	0.0 s				
	0	0.0 s				
ok > 135.0 dB						
pk > 135.0 dB ok > 137.0 dB		0.0 <				
k > 137.0 dB	0	0.0 s				
k > 137.0 dB		0.0 s 0.0 s				
k > 137.0 dB k > 140.0 dB	0 0		LNight 22:00-07:00	LDEN	LDay 07:00-19:00	LEvening 19:00-22:00
k > 135.0 dB k > 137.0 dB k > 140.0 dB nmunity Noise	0 0	0.0 s	LNight 22:00-07:00	LDEN 48.3	LDay 07:00-19:00 48.3	LEvening 19:00-22:00

LCeq	58.6	db							
	48.3								
LAeq									
LCeq - LAeq	10.3								
LAleq	52.2								
LAeq	48.3								
LAleq - LAeq	3.9	dB	r		1				
_	Α			с	Ζ				
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp			
Leq	48.3		58.6		60.2				
LS(max)	61.8	2023/07/10 10:05:08	65.9	2023/07/10 10:10:53	70.5	2023/07/10 10:10:53			
LF(max)	67.1	2023/07/10 10:04:37	72.2	2023/07/10 10:10:53	76.7	2023/07/10 10:10:53			
LI(max)	68.9	2023/07/10 10:04:37	74.8	2023/07/10 10:10:53	79.9	2023/07/10 10:10:53			
LS(min)	42.5	2023/07/10 10:03:52	52.1	2023/07/10 10:04:15	54.2	2023/07/10 10:04:15			
LF(min)	41.7	2023/07/10 10:03:51	50.1	2023/07/10 10:04:15	52.1	2023/07/10 10:04:14			
LI(min)	42.2	2023/07/10 10:04:15	51.8	2023/07/10 10:04:15	54.7	2023/07/10 10:04:15			
Lpk(max)	81.1	2023/07/10 10:12:43	83.6	2023/07/10 10:10:53	85.5	2023/07/10 10:10:53			
Overload Count	0								
Overload Duration	0.0	s							
OBA Overload Count	0								
OBA Overload Duration	0.0	s							
Statistics									
LA 1.00	56.4	dB							
LA 5.00	50.4								
LA 10.00	49.5								
LA 50.00	47.1								
LA 90.00	43.8								
LA 99.00	42.4								

ion History					
amp	Date	dB re. 1V/Pa	6.3	8.0	10.0
rect	2022-10-05 13:16:06	-27.09	49.65	53.02	49.79
RM831	2023-07-10 08:39:51	-27.03	48.12	49.23	53.85
PRM831	2023-06-29 10:16:21	-27.01	45.50	49.71	45.05
PRM831	2023-06-29 05:27:05	-27.11	56.09	57.29	53.92
PRM831	2023-06-21 17:46:42	-27.12	54.21	57.36	61.07
PRM831	2023-06-14 09:43:28	-27.05	40.86	38.43	45.90
PRM831	2023-06-06 10:32:38	-27.07	48.33	49.31	48.43
PRM831	2023-06-03 14:32:48	-27.05	49.38	50.54	58.69
PRM831	2023-05-24 07:43:27	-26.92	60.79	55.76	56.10
PRM831	2023-05-05 11:57:12	-27.00	50.93	55.80	51.21
PRM831	2023-04-17 12:05:20	-26.87	93.78	77.66	72.88
PRM831	2023-03-23 11:18:17	-27.03	47.10	45.96	68.92
Unknown	2021-04-15 13:48:38	-27.20	51.73	50.59	53.95
Jnknown	2021-04-15 13:43:05	-27.13	50.14	48.23	52.56

50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
47.95	43.10	50.54	51.79	40.11	45.88	52.54	51.53	41.73	37.90	31.81	24.45	28.50	112.91	48.28	19.60	64.32	18.96	58.71	24.40	29.21	20.10	21.50	22.52	23.49	24.18	25.41
46.34	49.39	42.09	38.43	35.85	32.93	34.53	33.18	29.57	31.79	30.02	27.18	28.97	113.97	49.33	19.80	65.24	20.27	59.58	25.18	30.50	21.69	22.10	23.00	24.34	25.28	26.43
50.25	44.07	40.10	41.19	37.79	42.60	40.29	37.91	38.46	39.83	35.32	29.60	30.58	114.08	49.42	19.40	65.45	20.48	59.73	25.52	30.37	21.73	22.98	23.66	29.46	25.36	26.52
42.79	42.85	45.08	51.93	43.60	36.96	39.57	34.88	33.20	34.80	29.97	23.78	31.46	114.01	49.32	22.37	65.31	19.97	59.59	25.01	30.59	21.59	22.30	23.22	25.53	25.67	26.45
55.01	50.85	47.66	50.02	44.53	52.18	39.78	37.54	36.05	30.72	28.50	27.66	30.90	113.91	49.20	19.72	65.08	20.11	59.62	25.16	30.68	21.60	22.52	23.38	24.43	25.47	26.24
48.04	56.50	49.57	48.36	42.01	38.71	33.89	26.58	27.93	22.67	22.50	23.03	29.63	114.01	49.24	19.55	65.37	20.02	59.63	25.16	30.38	21.42	22.68	23.76	34.23	27.28	26.68
63.48	56.13	50.47	53.75	52.39	52.25	50.65	45.65	45.47	39.14	34.91	31.21	29.85	113.96	49.21	19.29	65.23	19.92	59.69	25.04	30.72	21.53	22.51	23.17	24.28	25.47	26.66
62.71	59.54	51.65	54.16	48.44	46.49	47.53	54.87	55.08	53.75	51.53	45.79	40.15	113.86	49.16	21.88	65.13	19.92	59.54	24.01	30.14	21.58	22.24	22.97	24.52	25.52	26.44
55.98	53.66	54.44	51.93	49.87	48.48	44.89	42.93	39.04	39.10	40.10	33.52	30.66	114.06	49.21	19.65	65.61	20.10	59.94	24.82	30.47	21.79	22.52	23.19	24.38	25.70	26.40
51.60	52.63	54.84	47.01	50.42	50.20	39.51	37.99	33.31	32.88	36.34	35.93	31.65	113.86	49.16	20.40	65.30	19.98	59.60	24.57	30.16	21.45	21.77	23.01	24.42	25.44	26.47
65.27	68.67	59.69	57.47	65.53	60.95	62.24	61.44	64.67	54.89	55.79	51.32	45.08	114.14	49.32	23.00	65.77	20.45	59.90	26.38	30.33	21.37	23.27	25.29	36.06	27.07	27.55
90.44	86.75	81.12	74.77	66.05	64.50	64.88	60.95	55.23	55.70	52.08	51.68	45.79	58.38	42.01	37.86	34.97	31.65	30.19	27.77	27.16	26.01	25.16	24.80	25.29	26.23	26.66
52.54	51.34	53.56	47.24	37.13	32.28	35.09	35.72	32.30	34.07	33.60	30.20	29.71	113.89	49.30	20.14	65.63	20.25	59.63	25.50	30.50	21.77	23.08	24.12	28.61	26.06	26.90
32.34	29.98	30.10	27.18	38.72	30.04	34.94	36.23	32.56	31.78	28.91	31.01	30.92	112.87	48.19	18.38	64.47	18.83	58.58	24.14	29.07	20.79	21.65	22.34	23.71	24.58	25.40