

Noise Impact Assessment

Environmental Noise Assessment
Temporary Fairground:
Land Off Princess Margaret Way
Aberavon Beach
Port Talbot SA12 6FA

Report reference: AE139

Report date: 31st October 2025

Report version: Issue 1.0

Pages: 20

Prepared for:

Studt's Events Ltd
Duke Fairground
Morriston
Swansea SA6 8EY

Prepared by:



Stratton Barrett MIOA

Aether Acoustics
Hen Trecnwc
Glandwr
Pembrokeshire SA34 0YD

Telephone: 07796 143 788

Email contact for queries: stratton@aetheracoustics.co.uk

Document Verification	Project Reference	AE139
Document Revision / Status	Issue 1.0	
Version Date	31 st October 2025	
Filename	AE139 Aberavon Beach Fairground Noise Report	
Description of Revisions	-	
	Prepared by	
Name	Stratton Barrett MIOA	
Signature		

This report has been prepared with all reasonable skill, care and diligence, based on information provided and data collected at time of production. The author disclaims any responsibility to the client and others in respect to any matters outside the scope of this report.

This report is provided for the sole use of the named client and is confidential to them and their project team. No responsibility is accepted to other parties and the content of this report is non-transferable.

Contents:

1.0	Introduction	4
2.0	Baseline Noise Survey	4
2.1	Measurement Procedures	4
2.2	Summary of Measured Ambient Noise Levels	5
2.3	Description of the Noise Climate.....	6
2.4	Description of the Fairground Operation	6
3.0	Noise Assessment Criteria	7
3.1	BS 8233: 2014	7
3.2	World Health Organisation Environmental Noise Guidelines (ENG) 2018	7
3.3	British Standard 4142: 2014 +A1:2019	8
3.4	Planning Guidance TAN 11 (Wales)	8
4.0	Noise Assessment	9
4.1	Background Sound Level.....	9
4.2	Noise Level Prediction.....	9
4.2.1	Diesel Generators	9
4.2.2	Fairground Rides & Entertainment Noise.....	10
4.2.3	Proposed Ferris Wheel.....	11
4.3	Noise Impact Summary.....	12
4.4	Noise Management Recommendations	12

1.0 Introduction

Aether Acoustics is appointed by Studt's Events Ltd. to carry out an environmental noise assessment of temporary fairground installed on land off St. Margaret's Way in Neath Port Talbot.

This document provides an assessment of the potential noise impact from the fairground as relates nearby noise sensitive receptors.

The acoustic assessment includes sections covering the following aspects:

- The results of a baseline noise survey in the vicinity of the nearest dwellings, as well as nearfield measurements of operational fairground rides and generators.
- Criteria for acceptable noise levels inside and outside noise sensitive receptors, based on recognised guidance.
- Assessment of noise levels affecting the nearest dwellings in the context of recognised guidance.
- A discussion of the potential noise impact of the fairground for the proposed daytime operating periods, along with mitigation recommendations and a noise management plan.

2.0 Baseline Noise Survey

2.1 Measurement Procedures

A noise survey was carried out on 29th August 2025 during representative fairground operating periods, as well as an early evening period after the fair had closed (background level data).

Weather at the time of the surveys was fine with low wind speeds (measured locally using a handheld anemometer at ≤ 5 m/s typical).

No rainfall was measured during the surveys and as such all measurements were taken in fully dry conditions.

The instrumentation used for the environmental noise survey consisted of a Norsonic NOR 140 Type 1 precision sound level meter and B&K 4231 calibrator. Laboratory calibration certificates are included at the end of this report.

The equipment was calibrated before and after the noise measurements; no significant drift was detected. The sound level meter measured A-weighted (fast response) noise levels as well as octave band data.

Off-site measurement locations are indicated in Figure 1 below.



Figure 1: Measurement locations marked in red on aerial view

2.2 Summary of Measured Ambient Noise Levels

Full results of the noise levels recorded by Aether Acoustics during the course of the noise survey are included in Appendix A of this report.

The following table summarises the results of averaged statistical noise levels measured at nearby receivers.

Location	Period	Description	L_{Aeq}	L_{AFmax}	L_{A90}
1	15:20 – 15:50	Best Western Hotel Fair ON	53	80	49
2	16:30 – 16:50	New flats at Awel Afan Fair ON (road traffic noise dominant)	60	75	58
3	19:00 – 19:40	Flats at Carmarthen House Fair OFF	53	70	48

Table 1: Summary of averaged receptor noise measurement results (dBA)

Table 1A below details measurements made in close proximity (nominally 5m average distance) from fairground rides during typical cycles.

Item	Cycle	Description	L _{Aeq}	L _{AFmax}	L _{A90}
<i>Moondancer</i>	4mins	Mechanical noise, music & SFX on PA system, shouting	83	97	75
<i>Bouncer</i>	5mins	Compressed air blasts to elevate ride cars, amplified music etc.	85	100	75
<i>Freak Out</i>	2mins	Music on PA system, shouting (ride itself not noticeably noisy)	78	86	74
<i>King Sizzler</i>	4mins	Mechanical noise, music & SFX on PA system	76	89	72
<i>Ice Palace</i>	3mins	Mainly music played through small PA speakers	76	82	72
Generators	Constant	Sampled around the installation at 3m distance	80	89	78

Table 1A: Summary of averaged specific measurement results (dBA)

The rides detailed in the table above comprise the dominant noise sources in terms of fairground entertainment. Other rides on the site were generally observed to be significantly quieter / not emitting noise at a level which would be audible at off-site receptors. As such, the cumulative noise from rides can be assessed with data for the sources above.

Measurements of the 3 no. lorry mounted generators were made at 4 no. locations around the source.

2.3 Description of the Noise Climate

During clam weather conditions, the noise climate in the area is mainly influenced by road traffic. During windier periods, noise from the sea elevates ambient levels.

2.4 Description of the Fairground Operation

The predominant sources associated with rides on the fair can be summarised as follows:

- Mechanical drive noise
- Compressed air noise (especially in the case of the *Bouncer* ride)
- Music, sound effects and voice amplified through PA speakers
- Noise from patrons (especially *Moondancer* and *Freak Out* during the survey)

The proposed fairground will be a temporary / seasonal operation with operating hours limited to 19:00hrs in the evening.

The fair would not be seen as out of context in a seaside location close to a tourist beach.

Noise from the rides and music, though potentially likely to attract attention will be generally predictable / repetitive throughout the day and may become less subjectively perceptible over time.

3.0 Noise Assessment Criteria

In order to assess the potential noise impact of the proposal, Aether Acoustics has reviewed the following guidance documents and standards:

- British Standard 8233: 2014
- World Health Organisation Guidelines on Community Noise 2018
- British Standard 4142:2014+A1:2019
- Planning Guidance Technical Advice Note (Wales) TAN 11

3.1 BS 8233: 2014

BS 8233 provides a code of practice for the sound insulation of a variety of building types affected by general environmental noise. It provides recommendations for control of noise in and around buildings and suggests appropriate internal ambient noise level criteria / limits for a variety of different situations including residential properties.

The following table summarises the noise limits suggested by BS 8233 applying to residential properties.

Activity	Room	Good Design Range $L_{Aeq, T}$ dB	
		07:00-23:00hrs	23:00-07:00hrs
Resting	Living rooms	35	-
Dining	Dining room / area	40	-
Sleeping (or daytime resting)	Bedrooms	35	30

Table 2: Noise limits inside residential properties suggested in BS 8233

3.2 World Health Organisation Environmental Noise Guidelines (ENG) 2018

The main purpose of the 2018 WHO guidelines is to provide recommendations for protecting human health from exposure to environmental noise originating from the following sources: transportation (road traffic, railway and aircraft), wind turbines and leisure activities.

The 2018 guidelines supersede the Community Noise Guidelines from 1999. Nevertheless, the document recommends that all CNG indoor guideline values and any values not covered by the current guidelines should remain valid. As such, the following guidance would remain appropriate:

For protection against sleep disturbance inside dwellings, night-time noise levels should not exceed 30dB L_{Aeq} for continuous noise and 45dB L_{Amax} for single sound events.

To protect the majority of people from being seriously annoyed during the daytime, the outdoor sound level from steady, continuous noise (interpreted as noise from all sources combined) should not exceed 55dB L_{Aeq} on balconies, terraces and in outdoor living areas.

3.3 British Standard 4142: 2014 +A1:2019

British Standard 4142: 2014 “Methods for assessing and rating industrial and commercial sound” describes methods for rating and assessing sound of an industrial and/or commercial nature. The methods described in this British Standard use outdoor sound levels to assess the likely effects of sound on people who might be inside or outside a dwelling or premises used for residential purposes upon which sound is incident.

- a) Typically, the greater this difference, the greater the magnitude of the impact.
- b) A difference of around +10 dB or more is likely to be an indication of a significant adverse impact, depending on the context.
- c) A difference of around +5 dB is likely to be an indication of an adverse impact, depending on the context.
- d) The lower the rating level is relative to the measured background sound level, the less likely it is that the specific sound source will have an adverse impact or a significant adverse impact. Where the rating level does not exceed the background sound level, this is an indication of the specific sound source having a low impact, depending on the context.

BS 4142 notes that: Adverse impacts include, but are not limited to, annoyance and sleep disturbance. Not all adverse impacts will lead to complaints and not every complaint is proof of an adverse impact.

The standard is not intended to be applied to the rating and assessment of sound from: a) recreational activities, including all forms of motorsport; b) music and other entertainment

As such, in the case of fairground rides (and associated music / patron noise) the standard may not be strictly applicable. However, noise from diesel generators on the site would fall within the commercial noise definition.

3.4 Planning Guidance TAN 11 (Wales)

TAN 11 guidance determines that the methodology detailed in British Standard 4142 (2014) should be used in assessing and specifying noise limits for new noise sources.

The Environmental Protection Act 1990 is also referenced, in which local authorities may serve abatement notices on those responsible for noise sources defined as a statutory nuisance.

4.0 Noise Assessment

4.1 Background Sound Level

A modal analysis of data taken outside operating periods would suggest a background sound level (BSL) of 48dBL_{A90} at Location 3 (Carmarthen House, nearest receptor).

Measurements were made in a period where a mix of road traffic and sea noise influenced the noise climate.

4.2 Noise Level Prediction

This section provides calculated receiver incident noise levels at the nearest properties.

Levels at Location 1 (Best Western Hotel) were clearly influenced by the fairground, whereby amplified music and compressed air blasts (*Bouncer*) were clearly audible.

Levels at Location 3 (Awel Afan) were dominated by road traffic noise and as such it would not be possible to derive the specific level from the fair at this location.

4.2.1 Diesel Generators

The following table provides a noise impact prediction for the 3 no. lorry mounted diesel generators powering the fairground. The calculation includes a nominal -3dB screening correction based on the orientation of the lorries.

Parameter	Location	Octave Band Centre Frequency (Hz), dB							Total dBA
		63	125	250	500	1k	2k	4k	
Generator sound pressure level L _{Aeq,1hr}	@3m average	88	87	83	76	71	68	65	79
Predicted external specific level @ receptor	Flats @120m	57	56	52	46	40	37	34	49
Rating penalty re BS 4142	-	0	0	0	0	0	0	0	0
Background sound level BSL, L ₉₀	Flats @120m	59	53	48	44	42	39	33	48
Predicted Rating Level compared with BSL		-2	+3	+4	+2	-2	-2	+1	+1

Table 3: Diesel generator noise impact prediction re BS 4142: 2014

Noise from the generator will be constant during the daytime 1hr assessment period, with no tonal or impulsive characteristics. As such, noise character penalties would not be seen as necessary in deriving the rating level.

It would be expected that noise from the generators may slightly exceed the BSL (by up to around 4dB) in some octave bands, however, will not significantly exceed the BSL in dBA terms.

4.2.2 Fairground Rides & Entertainment Noise

BS 4142: 2014 may not be an appropriate standard to assess the impact of fairground rides and amplified music / sound effects. However, the document does offer a means to rate noise according to its subjective character.

The absolute internal level limits described in BS 8233: 2014 may be referenced with the aim of predicting the likely noise impact inside the nearest dwellings, however the design criteria would apply to steady external noise sources.

Other guidance typically used to assess entertainment noise, e.g. the Code of Practice on Environmental Noise Control at Concerts would not provide a sufficiently robust framework to assess a fairground, i.e. a fixed operation running all day in the summer months.

The following parameters are presented with the aim of outlining the likely cumulative levels associated with rides and entertainment noise:

- A typical daytime 1-hour fair operating period would result in a cumulative level of approx. **52dB_{LAeq,1hr}** outside the nearest receptor dwelling (Carmarthen House). This accounts for cycle variations in the operation of rides.
- An average level approx. **37dB_{LAeq,1hr}** due to the fair could result inside dwelling rooms at the nearest receptor assuming open windows. This would slightly exceed the 'good' design criterion for resting inside living / bedrooms during the day (NB this assumes steady noise).
- The unrated level from the fair would exceed the BSL by up to around **+4dBA** at the nearest receptor. Subjectively, the noise character of the fair would likely attract attention and as such this would need to be considered.

Table 6 below provides an octave band estimated noise impact for rides and entertainment noise. It should be noted that this is not rated to account for noise character / potential subjective annoyance.

In absolute terms, noise from the fair will be unlikely to exceed the BSL by more than +5dB, however it can be seen that levels in the 4kHz octave band could exceed the BSL by up to around +10dB due to compressed air blasts from the *Bouncer* ride.

Parameter	Location	Octave Band Centre Frequency (Hz), dB							Total dBA
		63	125	250	500	1k	2k	4k	
Cumulative average 1-hour receptor level (external, incident)	Flats @120m	54	51	47	48	47	45	43	52
Background sound level BSL, L ₉₀	Flats @120m	59	53	48	44	42	39	33	48
Predicted level compared with BSL		-5	-2	-1	4	5	5	10	+4

Table 4: Estimated octave band noise impact for rides and entertainment noise sources

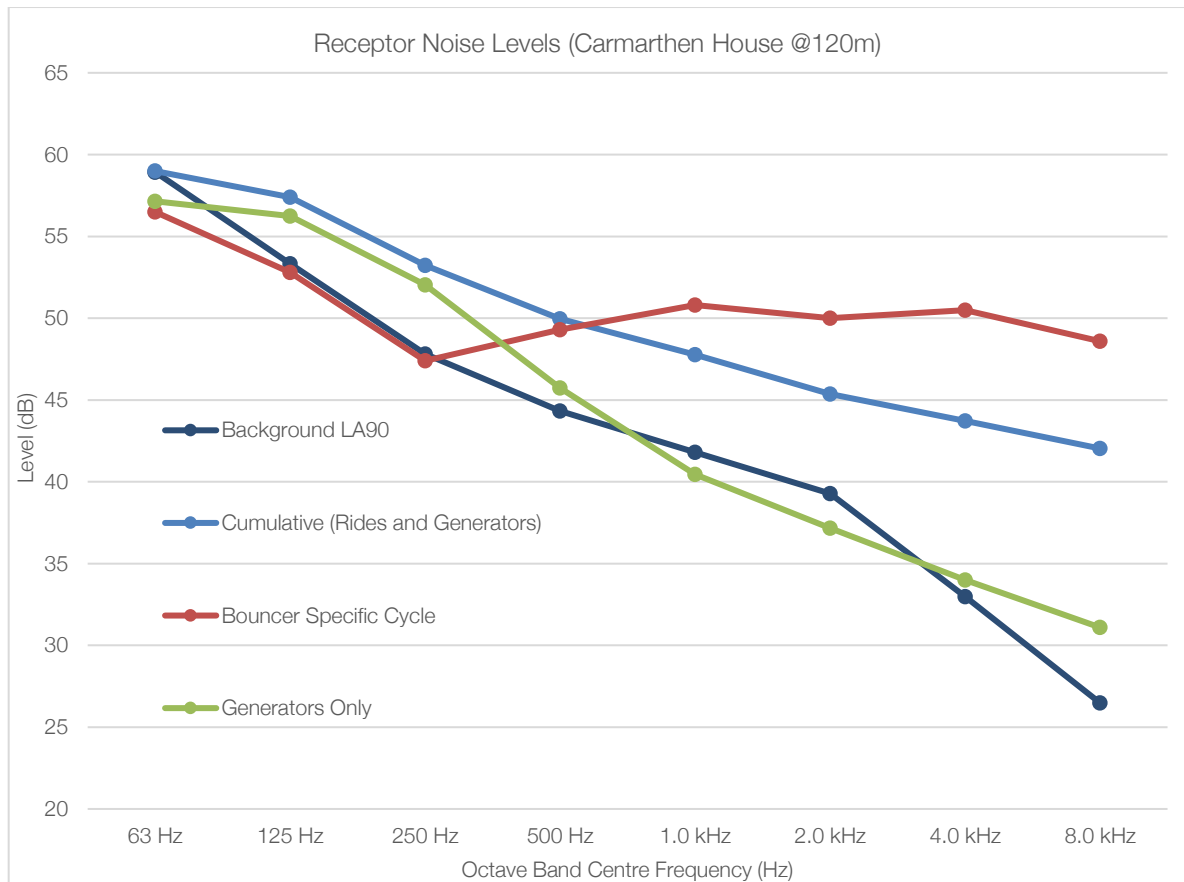


Figure 2: Octave band noise impact prediction, 1-hour typical daytime operation

Figure 2 above shows an octave band graph detailing various parameters for comparison with the BSL at Carmarthen House.

The chart shows that short duration compressed air blasts associated with the *Bouncer* ride could significantly exceed the residual level in the 2 – 8kHz octave bands.

4.2.3 Proposed Ferris Wheel

The specifications of the proposed new Ferris Wheel have been reviewed and as such the following comments would be made:

- Based on observation of similar models, the wheel itself will not generate significant additional noise to the cumulative impact of the noisiest rides currently on site.
- It would not be expected that the power requirements of the wheel will necessitate additional generators or load on the existing power supply.
- The wheel is not a 'thrill' ride as such and so users would not typically be raising voices when on board.

4.3 Noise Impact Summary

The following points are presented with the aim of summarising outcomes from Section 4.2:

- In terms of commercial noise sources (BS 4142), the fairground operation will not significantly exceed the BSL during typical 1-hour daytime periods. Relocation of generator lorries (further SW / towards sea) and / or screening by other large vehicles will help further reduce any potential impact.
- While noise from rides and amplified music / sound effects may be perceptible at the nearest dwellings, adoption of the noise mitigation strategies recommended below would minimise any subjective impact.

4.4 Noise Management Recommendations

The following potential noise control strategies would be put forward with the aim of minimising noise from the operation in line with best practicable means:

- Mounting loudspeakers to face away from dwellings wherever possible.

During the survey it was noted that PA speakers to *Ice Palace* and *Moondancer* are facing directly towards off-site residences. If possible, speakers to all rides should generally face away from the North-East (nearest dwellings).

- Mount loudspeakers at lower height above ground and / or point speakers directly at patrons (which would enable lower output volume levels).
- Localised screening (lined Heras fencing) around *Bouncer* ride.

2m height Heras fencing lined with nom.9-12mm thickness timber sheathing, placed in front of the ride to fully visually screen the nearest dwellings could help reduce noise propagation from the compressed air source at the base of the ride.

- Reorient / relocate rides if feasible.

Reorienting rides so that the loudspeaker array (operator position) faces the sea could help reduce noise impact. This would apply to *Bouncer*, *King Sizzler* and other rides as appropriate.

- Relocate the generator lorries further away from dwellings (if feasible) and / or screen these behind other lorries.

It would be recommended that a procedure for logging and responding to complaints should be put in place (if not already).

A contact number should be available (via the website, onsite signage etc.) to facilitate live access to staff so complaints may be responded to quickly as appropriate.

Written complaints records should include the following:

- **Complainant Contact Information:**
 - Name
 - Address
 - Phone number
 - Email address
- **Noise Incident Details:**
 - Location of the noise source
 - Date of the incident
 - Time the noise started and ended (duration)
 - Description of the noise
- **Other Information:**
 - Actions undertaken and the outcome

The records may be made available to the local authority as appropriate.

Appendix A

Full Results of Noise Survey

RTC	Duration	Location	L _{Aeq}	L _{AFmax}	L _{A10}	L _{A50}	L _{A90}
(2025/08/29 15:22:15.00)	(0:0:16.0)	CAL	94	94	94	94	94
(2025/08/29 15:22:37.00)	(0:5:0.0)	1	53	71	55	52	50
(2025/08/29 15:27:39.00)	(0:5:0.0)	1	53	71	54	51	49
(2025/08/29 15:32:41.00)	(0:5:0.0)	1	55	69	57	53	50
(2025/08/29 15:38:43.00)	(0:5:0.0)	1	53	70	54	51	50
(2025/08/29 15:43:45.00)	(0:5:0.0)	1	54	80	53	50	48
(2025/08/29 15:50:16.00)	(0:3:46.0)	<i>Moondancer</i>	83	97	84	80	75
(2025/08/29 15:57:59.00)	(0:4:54.0)	<i>Bouncer</i>	85	100	88	81	75
(2025/08/29 16:03:12.00)	(0:2:10.0)	<i>Freak out</i>	78	86	80	77	74
(2025/08/29 16:05:42.00)	(0:3:51.0)	<i>King sizzler</i>	76	89	78	74	72
(2025/08/29 16:10:10.00)	(0:2:0.0)	<i>Ice palace</i>	76	82	79	76	72
(2025/08/29 16:14:00.00)	(0:2:0.0)	Generator	78	88	79	77	76
(2025/08/29 16:16:09.00)	(0:2:0.0)	Generator	78	80	79	78	77
(2025/08/29 16:18:18.00)	(0:2:0.0)	Generator	80	82	81	80	79
(2025/08/29 16:20:25.00)	(0:2:0.0)	Generator	81	89	83	81	79
(2025/08/29 16:31:10.00)	(0:5:0.0)	2	61	75	63	60	58
(2025/08/29 16:36:12.00)	(0:5:0.0)	2	61	69	63	60	58
(2025/08/29 16:41:14.00)	(0:5:0.0)	2	60	70	62	60	58
(2025/08/29 16:46:16.00)	(0:5:0.0)	2	59	68	61	59	57
(2025/08/29 19:02:22.00)	(0:5:0.0)	3	53	64	55	52	48
(2025/08/29 19:07:24.00)	(0:5:0.0)	3	53	69	57	51	48
(2025/08/29 19:12:26.00)	(0:5:0.0)	3	52	66	57	52	47
(2025/08/29 19:24:21.00)	(0:5:0.0)	3	53	70	53	50	48
(2025/08/29 19:29:23.00)	(0:5:0.0)	3	52	68	52	49	47
(2025/08/29 19:34:25.00)	(0:5:0.0)	3	53	67	53	50	46
(2025/08/29 19:56:18.00)	(0:0:15.0)	CAL	94	94	94	94	94

Appendix A: Full results of noise measurements at Aberavon Beach Fairground, 29/08/2025

Appendix B

Calibration Certificates

CERTIFICATE OF CALIBRATION

ISSUED BY Gracey & Associates BSI CERTIFICATE FS 25913
DATE OF ISSUE 25 October 2024 CERTIFICATE NUMBER 2024-1013
DATE OF CALIBRATION 25 October 2024
CALIBRATION INTERVAL 24 months PAGE 1 OF 1



Gracey & Associates
Barn Court Shelton Road
Upper Dean PE28 0NQ
Tel: 01234 708835
www.gracey.co.uk

TEST ENGINEER APPROVING SIGNATORY
Jamie Bishop Greg Rice

Equipment **Nor 140, s/n: 1405813**
Description Real Time Sound Analyser - class 1, Norsonic AS
Customer Aether Acoustics
Felindyrch, Mynachlog-Ddu, Clunderwen, SA66 7RU

Standards
BS EN 61672 / BS EN 60651 / BS EN 60804

Conditions
Atmospheric Pressure 100.7 kPa
Temperature 20.9 °C
Relative Humidity 55.7 %

Calibration Reference Sources

Equipment S/N
Druck DPI 141 479
Vaisala HMP23 S2430007

Equipment S/N
HP 34401 MY41005047

Notes

We certify that the above product was duly tested and found to be within the specification at the points measured (except where indicated). Measurements are traceable to reference sources calibrated to National Standards. Where no national or international standards exist, traceability is to standards maintained by the manufacturer. Our Quality Management System has been assessed to comply with BS EN ISO 9001:2015 - BSI Certificate number FS 25913. Tests were carried out in environmental conditions controlled to the extent appropriate to the instrument's specification. All relevant test certificates are available for inspection. The uncertainties are for a confidence probability of not less than 95%.
Copyright of this certificate is owned by Gracey & Associates and may not be reproduced other than in full except with their prior written approval.

Gracey & Associates is the trading name of W T Gracey Ltd. Registered in Upper Dean England No 1176412. Est. 1972
Hire and calibration of noise and vibration instruments under a BSI ISO 9001 quality management system, Cert No. FS 25913.

CERTIFICATE OF CONFORMANCE

ISSUED BY	Gracey & Associates	BSI CERTIFICATE	FS 25913
DATE OF ISSUE	25 October 2024	CERTIFICATE NUMBER	2024-1014
DATE OF CALIBRATION	25 October 2024		
CALIBRATION INTERVAL	24 months		

PAGE 1 OF 1



Gracey & Associates
Barn Court Shelton Road
Upper Dean PE28 0NQ
Tel: 01234 708835
www.gracey.co.uk

TEST ENGINEER

Jamie Bishop

APPROVING SIGNATORY

Greg Rice

Equipment	Nor 1209, s/n: 15652
Description	Preamplifier - 1/2" with Lemo 1B connector, Norsonic AS
Customer	Aether Acoustics Felindyrch, Mynachlog-Ddu, Clunderwen, SA66 7RU

Standards

Manufacturer Specifications

Conditions

Atmospheric Pressure	100.7 kPa
Temperature	20.9 °C
Relative Humidity	55.7 %

Calibration Reference Sources

Equipment	S/N
Druck DPI 141	479
Vaisala HMP23	S2430007

Equipment	S/N
HP 34401	MY41005047

Notes

We certify that the above product was duly tested and found to be within the specification at the points measured (except where indicated). Measurements are traceable to reference sources calibrated to National Standards. Where no national or international standards exist, traceability is to standards maintained by the manufacturer. Our Quality Management System has been assessed to comply with BS EN ISO 9001:2015 - BSI Certificate number FS 25913. Tests were carried out in environmental conditions controlled to the extent appropriate to the instrument's specification. All relevant test certificates are available for inspection.

The uncertainties are for a confidence probability of not less than 95%.

Copyright of this certificate is owned by Gracey & Associates and may not be reproduced other than in full except with their prior written approval.

Gracey & Associates is the trading name of W T Gracey Ltd. Registered in Upper Dean England No 1176412. Est. 1972
Hire and calibration of noise and vibration instruments under a BSI ISO 9001 quality management system, Cert No. FS 25913.

CERTIFICATE OF CALIBRATION

ISSUED BY	Gracey & Associates	BSI CERTIFICATE	FS 25913
DATE OF ISSUE	25 October 2024	CERTIFICATE NUMBER	2024-1015
DATE OF CALIBRATION	25 October 2024		
CALIBRATION INTERVAL	24 months		

PAGE 1 OF 2



Gracey & Associates
 Barn Court Shelton Road
 Upper Dean PE28 0NQ
 Tel: 01234 708835
 www.gracey.co.uk

TEST ENGINEER	APPROVING SIGNATORY
Jamie Bishop	Greg Rice

Equipment	Nor 1225, s/n: 208014
Description	Microphone - 1/2" FF high sensitivity, Norsonic AS
Customer	Aether Acoustics Felindyrch, Mynachlog-Ddu, Clunderwen, SA66 7RU

Standards
BS EN 61094

Conditions
 Atmospheric Pressure 100.7 kPa
 Temperature 20.9 °C
 Relative Humidity 55.7 %

Calibration Data

Sensitivity -25.6 dB
 52.8 mV/Pa

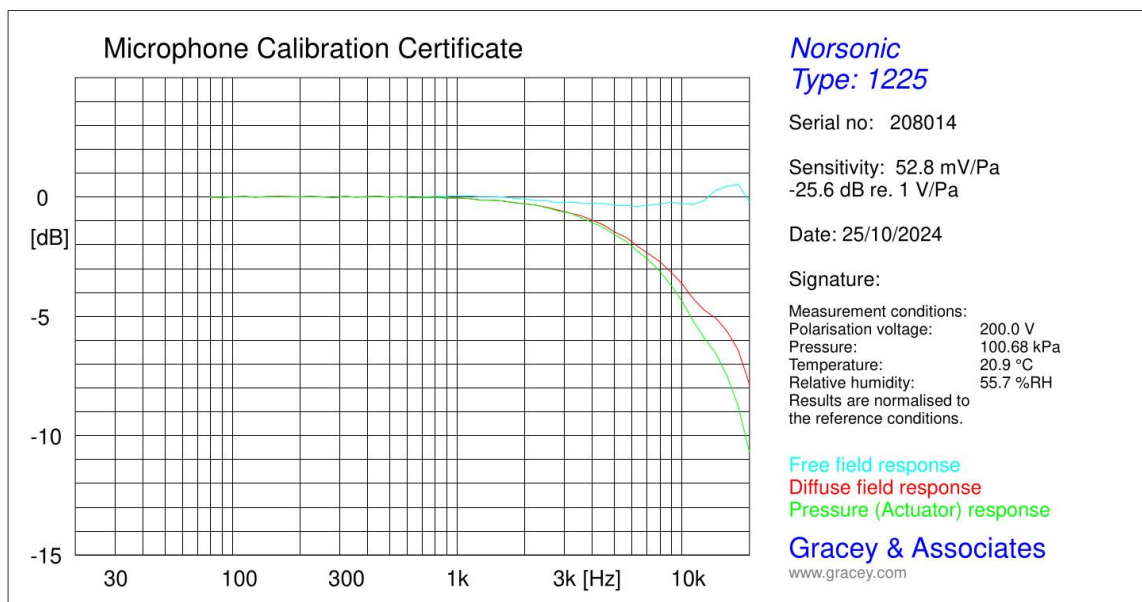
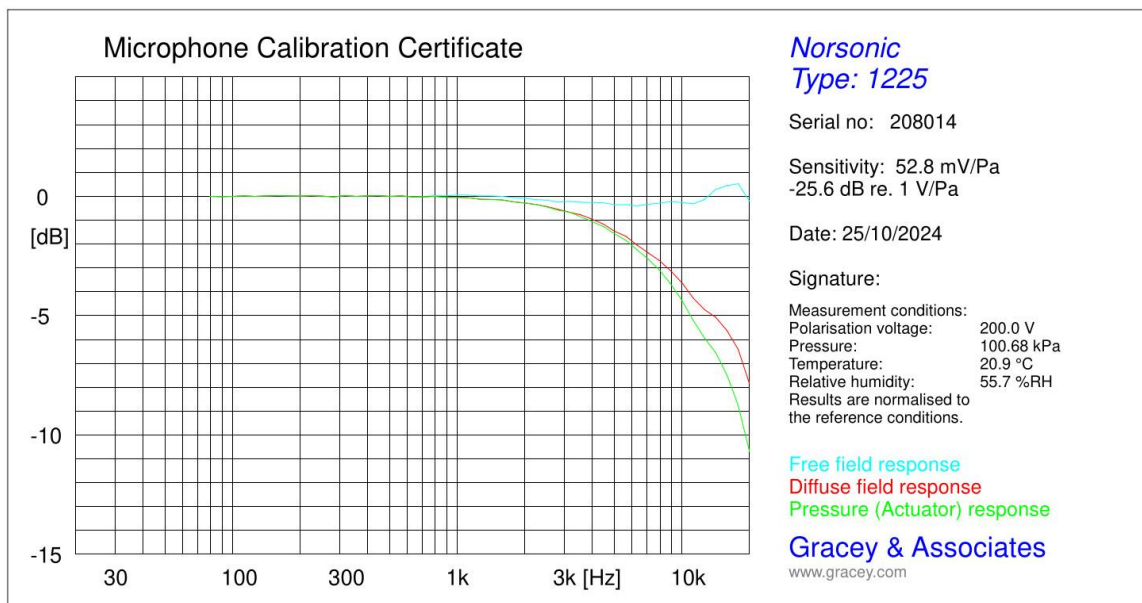
Calibration Reference Sources

Equipment	S/N	Equipment	S/N
B&K 4134 L	1935995	Druck DPI 141	479
HP 34401	MY41005047	Nor 1253	22456
Stanford DS36	33213	Vaisala HMP23	S2430007

Notes

We certify that the above product was duly tested and found to be within the specification at the points measured (except where indicated). Measurements are traceable to reference sources calibrated to National Standards. Where no national or international standards exist, traceability is to standards maintained by the manufacturer. Our Quality Management System has been assessed to comply with BS EN ISO 9001:2015 - BSI Certificate number FS 25913. Tests were carried out in environmental conditions controlled to the extent appropriate to the instrument's specification. All relevant test certificates are available for inspection. The uncertainties are for a confidence probability of not less than 95%.
 Copyright of this certificate is owned by Gracey & Associates and may not be reproduced other than in full except with their prior written approval.

Gracey & Associates is the trading name of W T Gracey Ltd. Registered in Upper Dean England No 1176412. Est. 1972
 Hire and calibration of noise and vibration instruments under a BSI ISO 9001 quality management system, Cert No. FS 25913.



Comment: