

# Appendix 10.2 – Noise Site Survey Record Sheet



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# Site Survey Record Sheet



Project Name: Nisthill Wind Farm
Site location: Mainland, Orkney
Client: Infinergy
Date of survey: 01/03/2022
Purpose of survey: Baseline survey
Surveyor: Simon Waddell

Reviewer:

Sound level meter make/model	Rion NL-52
Sound level meter serial no.	Multiple
Calibrator make/model	Rion NC-74
Calibrator serial no.	34167510
Height above ground.	1.4m – environmental monitoring kit
Relevant guidance:	ETSU-R-97, IoA GPG



NMP1 - Myres		
Calibration at start of measurement:	93.9	
Time & date at start of measurement:	11/11/21 10:40	
GPS Coordinates of NMP:	329425, 1027824	
SLM file no.(s)	0001	
Weather conditions:	· · ·	
Wind speed (m/s):	Moderate to strong	
Precipitation	Short squall with rain then dry and clear sk	kies
Cloud cover (%)	10	
Averaging period used:	10 min	
Broad-band/octave band/ 1/3 <sup>rd</sup> octave band:	Broad-band	
Dominant noise source(s):		
Buffeting from the wind. Very infrequent vehicle passes		
Transient/lesser noise sources:		
None audible during installation		
Notes on location selected – rationale:		
Cottage 'Myres' comprises an unoccupied dwelling with associated out contour for the proposed Nisthill development. No boiler flue was noted will occur. The sound level meter (SLM) was installed within the garder vegetation to cause rustling noise and the microphone was >3.5m from a There are multiple occupied properties nearby, however many of these H No turbine noise was audible at the installed location, despite it being a is considered to be negligible at the chosen location.	he property is semi-derelict, therefore no noise fro a of the property and is screened from the road l alls or reflective surfaces. ssociated small turbines and are therefore unsuita	by an outbuilding. There was no nearby able as monitoring locations.
Time & date at end of measurement:	22/03/22 11:00	
Calibration at end of measurement:	94.0	



## NMP1 - Myres

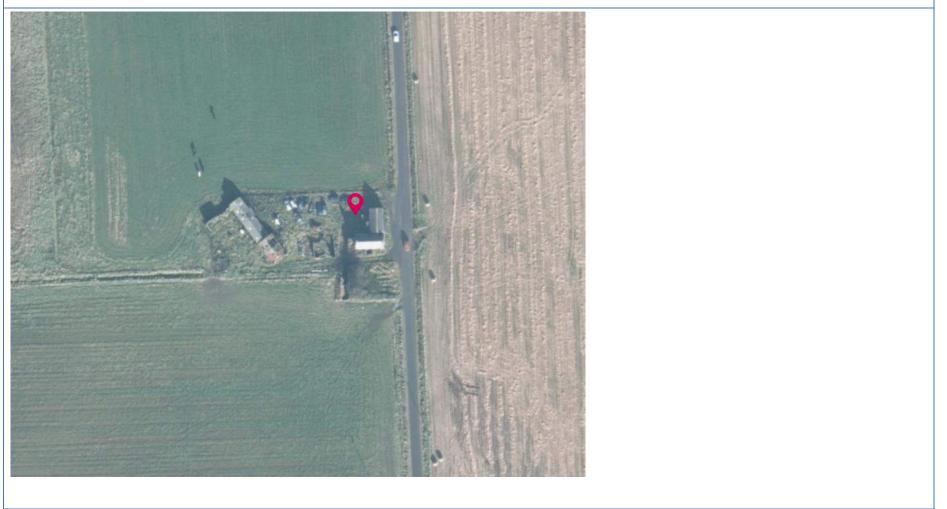
Photographs of SLM in position & identified noise sources





# NMP1 - Myres

#### Location





Fime & date at start of measurement:	01/03/2022	11:40	
GPS Coordinates of NMP:	HY 30092 26550		
SLM file no.(s)	0002		
Neather conditions:			
Nind speed (m/s):	Moderate to strong		
Precipitation	Dry		
Cloud cover (%)	10		
Averaging period used:	10 min		
Broad-band/octave band/ 1/3 <sup>rd</sup> octave band:	Broad band		
Dominant noise source(s):			
Naves on Loch of Hundland, wind buffeting.			
Transient/lesser noise sources:			
None audible during installation			
Notes on location selected – rationale:			
Cottage at Hundland Farm is a small dwelling on the opposite (east) s The property lies within the predicted 35 dBL <sub>A90</sub> contour for the prop The sound level meter (SLM) was installed within the garden area o noise was noted within the environs of the cottage garden. There is a small tree at the end of the garden which had no leaves at from any walls or reflective surfaces. No turbine noise was audible at the installed location due to screen curbines and 600m from a two-bladed larger turbine to the north. T	oosed Nisthill development. of the property which is moderately shelted the time of installation; wind noise from ve ing by farm buildings. The monitoring loca Furbine noise was audible on the western	red. No boiler flue or lik egetation was negligible. tion is 200m from the cl	kely source of anthropogenic . The microphone was >3.5m losest of the 3x Evance smal
Time & date at end of measurement:	22/03/2022 11:20		
Calibration at end of measurement:	93.9		



#### NMP2 - Hundland

Photographs of SLM in position & identified noise sources





# NMP2 - Hundland

#### Location



Small turbines circled in red, monitoring location at pink pin.







NMP3 - Lochview / Southend		
Calibration at start of measurement:	94.1	
Time & date at start of measurement:	01/03/2022	12:30
GPS Coordinates of NMP:	HY 31928,27270	
SLM file no.(s)	0003	
Weather conditions:		
Wind speed (m/s):	Moderate to strong	
Precipitation	Dry	
Cloud cover (%)	10	
Averaging period used:	10 min	
Broad-band/octave band/ 1/3 <sup>rd</sup> octave band:	Broad band	
Dominant noise source(s):		
Waves on Loch of Swannay, wind buffeting		
Transient/lesser noise sources:		
None audible during installation		
Notes on location selected – rationale:		
Owner/occupier of Lochview was not present during installation an adjacent to the edge of the property's garden, at a location a similar with no vegetation, therefore selected location is a suitable proxy. N The property lies within the predicted 35 dBL <sub>A90</sub> contour for the prop No turbine noise was audible at the installed location; there are no n The monitoring location is approximately 2km from the nearest wind	distance from the edge of the loch to the g learby property 'Dale' is not suitable due to posed Nisthill development. The micropho earby small turbines and the 2-bladed turb	arden area of the property. Property's garden is open o extensive vegetation surrounding the property. one was >3.5m from any walls or reflective surfaces.
Time & date at end of measurement:	22/03/2022 10:40	
Calibration at end of measurement:	94.0	



## NMP3 - Lochview / Southend

Photographs of SLM in position & identified noise sources







## NMP3 - Lochview / Southend

#### Location





#### Calibrator

MEASUREMENT Date of Issue: 06. Calibrated at & Certifica ANV Measurement Syst	January 2022 Ite issued by:		CRT22/1014	CERTIFICATE OF CALIBRATION UKAS Accredited Calibration Laboratory No. 0653         Certificate Number UCRT22/1014           Weasurements         The sound pressure level generated by the calibrator in its WS2 configuration was measured five times to the Insert Voltage Method using a microphone as detailed below. The mean of the results obtained in shown below. It is corrected to the standard atmospheric pressure of 101.3 kPa (1013 mBar) usin
Beaufort Court 17 Roebuck Way Milton Keynes MK5 8H Telephone 01908 64284 E-Mail: info@noise-and-vi Web: www.noise-and-vi Acoustics Noise and Vibration Ltd	46 Fax 01908 64281 -vibration.co.uk ibration.co.uk	K. Mistry	with .	original manufacturers information. Test Microphone <i>Manufacturer Type</i> Brüel & Kjær 4134 <u>Results</u>
Customer	ANV Measurem Beaufort Court 17 Roebuck Wa Milton Keynes MK5 8HL	ner de la constante de la constante l		The level of the calibrator output under the conditions outlined above was 94.02 $\pm$ 0.10 dB rel 20 µPa
	WIND OFFL			Functional Tests and Observations
Order No.	ANV MS HIRE			The frequency of the sound produced was         1001.45         ±         0.12 Hz           The total distortion was         1.25         ±         0.09 % Distortion
Test Procedure	Procedure TP 1	Calibration of Sound Calibrators		
Description	Acoustic Calibra	ator		During the measurements environmental conditions were
Identification	Manufacturer Rion	Instrument Model Calibrator NC-74	Serial No. 34536108	Temperature     23     to     24     °C       Relative Humidity     35     to     41     %       Barometric Pressure     100.4     to     100.5 kPa
available from a tests, to demonst evaluation descri	testing organisation trate that the model ibed in Annex A of	pecified in Annex B of IEC 60942:2003. As (PTB) responsible for approving the results of sound calibrator fully conformed to the rer f IEC 60942:2003, the sound calibrator tes ts of IEC 60942:2003.	s of pattern evaluation quirements for pattern	The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factr k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.
				The uncertainties refer to the measured values only with no account being taken of the ability of th instrument to maintain its calibration.
ANV Job No.	UKAS22/01004			
Date Received	05 January 202	2		A small correction factor may need to be applied to the sound pressure level quoted above if the device used to calibrate a sound level meter which is fitted with a free-field response microphone. Se
Date Calibrated	06 January 202	2		manufacturers handbook for details.
Previous Certificate	Dated	12 February 2021		Note:
	Certificate No. Laboratory	UCRT21/1212 0653		Calibrator adjusted prior to calibration? NO Initial Level N/A dB Initial Frequency N/A Hz
Accreditation Service. measurement realised	It provides traceat at the National Phy	with the laboratory accreditation requirement sility of measurement to the SI system of sical Laboratory or other recognised nation is full excert with the originary intercomments of the second	of units and/or to units of nal metrology institutes. This	Additional Comments The results on this certificate only relate to the items calibrated as identified above. None
cerundate may not be re	eproduced other than	in full, except with the prior written approval	or the issuing laboratory.	Calibrated by: B. Boodan



#### SLM

Date of Issue: 14 Calibrated at & Certifica		Certific	ate Number: UC	CRT22/1226
ANV Measurement Svs		8	Page 1 o	f 2 Pages
Beaufort Court		Approved	Signatory	1 1
17 Roebuck Way		550 A		11 /
Milton Keynes MK5 8H			K	Notest.
Telephone 01908 6428 E-Mail: info@noise-and		4	1.	- And
Neb: www.noise-and-vi		K. Mistry	/	
coustics Noise and Vibration Ltd				
Customer	ANV Measurem	ent Systems		
	Beaufort Court			
	17 Roebuck Wa	iy .		
	Milton Keynes			
	MK5 8HL			
Order No.	ANV MS HIRE			
Description	Sound Level Me	ter / Pre-amp / Microp	hone / Associated	Calibrator
dentification	Manufacturer	Instrument	Type	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00620868
	Rion	Firmware		2.0
	Rion	Pre Amplifier	NH-25	20928
	Rion	Microphone	UC-59	03922
	Rion	Calibrator Calibrator adaptor ty	NC-74	34536109 NC-74-002
Performance Class	1	Calibrator adaptor ty	pe il applicable	NG-74-002
Test Procedure	TP 2.SLM 6167	2-3 TPS-49		
rootrioodaic		IEC 61672-3:2006 were	used to perform the	periodic tests.
Type Approved to IEC				21 / 13.02
	If YES above the	e is public evidence that	the SLM has succes	sfully completed the
		evaluation tests of IEC 6		
Date Received	10 February 202		V Job No. UK	AS22/02103
Date Calibrated	14 February 202	22		
	er submitted for te	sting has successfully	completed the cla	ss 1 periodic tests of IEC
The sound level meter				e performed. As public
			tion responsible fo	or approving the results of
61672-3:2006, for th		ndent testing organisa		
61672-3:2006, for the evidence was available	le, from an indepe			monstrate that the model
61672-3:2006, for the evidence was available pattern evaluation test	le, from an indepe sts performed in a	cordance with IEC 61	672-2:2003, to de	monstrate that the model 2, the sound level meter
61672-3:2006, for the evidence was available pattern evaluation tea of sound level meter	le, from an indepe sts performed in a fully conformed t	cordance with IEC 61	672-2:2003, to de IEC 61672-1:200	2, the sound level meter
61672-3:2006, for the evidence was available pattern evaluation tea of sound level meter	le, from an indepe sts performed in a fully conformed t	ccordance with IEC 61 o the requirements in	672-2:2003, to de IEC 61672-1:200	2, the sound level meter
61672-3:2006, for the evidence was availal: pattern evaluation ter of sound level meter submitted for testing	Ie, from an indepests performed in a fully conformed to conforms to the classical conformation of the classical conformatio	ccordance with IEC 61 o the requirements in ass 1 requirements of I	672-2:2003, to de IEC 61672-1:200 EC 61672-1:2002.	2, the sound level meter
61672-3:2006, for the evidence was available pattern evaluation tea of sound level meter	le, from an indepe sts performed in a fully conformed t	ccordance with IEC 61 o the requirements in ass 1 requirements of I Certificate No.	672-2:2003, to de IEC 61672-1:200 EC 61672-1:2002.	2, the sound level meter

This oeruncate is issued in accordance with the laboratory accreditation requirements or the Onted Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFIC	ATE O	= C/	ALIB	RATI	ON				e Num T22/12			
UKAS Accredited	Calibration	Labor	atory No	0. 0653		l	Page 2 of 2 Pages					
Sound Level Meter Inst	ruction man	ual an	d data u	ised to a	djust t	he sound	l leve	ls ind	icated.			
SLM instruction manual tit	tle Sound	l Level	Meter	NL-42/1	NL-52							
SLM instruction manual re				11-03								
SLM instruction manual se			M	anufactur	er							
Internet download date if a				N/A								
Case corrections available	-			Yes								
Uncertainties of case corr	ections			Yes								
Source of case data Wind screen corrections a	wailable		M	anufactur	er							
Uncertainties of wind scree		-		Yes Yes								
Source of wind screen dat		5	м	anufactur	er							
Mic pressure to free field				Yes								
Uncertainties of Mic to F.F				Yes								
Source of Mic to F.F. corr				anufactur								
Total expanded uncertain		requir				002	Yes					
Specified or equivalent Ca Customer or Lab Calibrate				Specified b Calibra								
Calibrator adaptor type if a				NC-74-00								
Calibrator cal. date	approcesse			January 2								
Calibrator cert. number				CRT22/10								
Calibrator cal cert issued	by			0653								
Calibrator SPL @ STP	-,		9	3.98	dB	Calibra	tion re	feren	ce soun	1 pres	sure lev	/el
Calibrator frequency			10	02.02	Hz				requenc			
Reference level range			25	- 130	dB					· · · ·		
Accessories used or corre	ected for durin	o calib	ration -	Exte	ension (	Cable & V	/ind S	hield	WS-15			
Note - if a pre-amp extens				used bet	ween t	he SLM a	nd the	e pre-a	amp.			
Environmental conditions	durina tests		S	Start	Т	End						
	Temperature			3.05	+	22.98		±	0.30	°C		
	Humidity		3	37.0		36.8		±	3.00	%RH		
	Ambient Pre	ssure	9	98.73		98.76		±	0.03	kPa		
Response to associated 0	Calibrator at th	ne envi	ronmenta	al conditio	ns abo	ve.						
Initial indicated level	93.9		dB	Ac	liusted	indicated	level		94.0		dB	
The uncertainty of the ass	ociated calib	ator su	pplied w	ith the so	und lev	el meter :	t I		0.10		dB	
Self Generated Noise	This test is o	urrenth	v not perf	formed by	this L	ab.						
Microphone installed (if re						N/A		dB /	A Weigh	ting		
Uncertainty of the microph	none installed	self ge	enerated	noise ±		N/A		dB				
Microphone replaced with	electrical inp	ut devi	ce -	UR :	= Unde	r Range i	ndicat	ed	1			
Weighting	A	_		ċ			Z	-				
	1.8 dB	UR	15.1	dB	UR	21.		dB	UR			
Uncertainty of the electric	_					0.12		dB	1			
The reported expanded up												
a coverage probability of a	approximately	95%.	The uno	ertainty e	valuatio	on has be	en cai	rried o	ut in ac	ordar	ice with	1
UKAS requirements.					150.01	1970 0.00			1			
For the test of the frequen response was used.	icy weightings	as pe	r paragra	pri 12. of	IEC 61	072-3:20	uo the	actua	ai microj	mone	tree tie	1Cl
the second se	tasts of a free		weight's			nh 11 cf	EC P	1872 -			unied -	
The acoustical frequency using an electrostatic actu		uency	weightin	g as per p	aragra	pri 11 of	EC 01	1072-3	5.2000 V	ere Ci	aned 0	ut
				END								
Calibrated by: C. Hi	rlav			END								 R 2
Additional Comments	The results of	on this	certificate	e only rela	te to ti	he items of	alibra	ted as	identifie	ed abo	ve	R 2
None												



#### SLM

				0653
Date of Issue: 11 Calibrated at & Certifica		Certifica	ate Number: I	UCRT22/1039
ANV Measurement Syst			Page 1	of 2 Pages
Beaufort Court 17 Roebuck Way		Approved	Signatory	1. 1
Milton Keynes MK5 8HI		1917-		Vill
Telephone 01908 64284 E-Mail: info@noise-and-		14	/	whent.
Web: www.noise-and-vi	bration.co.uk	K. Mistry	1	
Acoustics Noise and Vibration Ltd	The second s			<u>0</u>
Customer	ANV Measurem Beaufort Court	ent Systems		
	17 Roebuck Wa	av		
	Milton Keynes	.)		
	MK5 8HL			
Order No.	ANV MS HIRE			
Description		eter / Pre-amp / Microph	one / Associate	ed Calibrator
Identification	Manufacturer	Instrument	Туре	Serial No. / Version
	Rion	Sound Level Meter	NL-52	00821105
	Rion	Firmware	000000200	2.0
	Rion	Pre Amplifier Microphone	NH-25 UC-59	21146 04086
	Rion	Calibrator	NC-74	34536109
	- don	Calibrator adaptor typ		NC-74-002
Performance Class	1			
Test Procedure	TP 2.SLM 6167			
Type Approved to IEC		YES Approval		21.21 / 13.02
.,,,		re is public evidence that t		
		evaluation tests of IEC 6		
Date Received	05 January 202		V Job No. U	JKAS22/01006
Date Calibrated	11 January 202			
				lass 1 periodic tests of IEC
				ere performed. As public for approving the results of
				demonstrate that the model
of sound level meter	fully conformed t	to the requirements in	IEC 61672-1:20	002, the sound level meter
submitted for testing	conforms to the cla	ass 1 requirements of IE	C 61672-1:200	12.
			Laborat	2
Previous Certificate	Dated	Certificate No.		

CERTIFIC	ATE OF CA	LIBRATIC	DN	Certi	ficate I	Number	
					UCRT2	2/1039	
UKAS Accredited	Calibration Laboration	atory No. 0653		Page	2	of 2	Pages
Sound Level Meter Inst	truction manual and	d data used to adi	ust the	sound leve	ls indica	ated	
SLM instruction manual tit							
SLM instruction manual re	ef / issue	11-03					
SLM instruction manual se	ource	Manufacture	r				
Internet download date if a		N/A					
Case corrections available	a	Yes					
Uncertainties of case corr	ections	Yes					
Source of case data		Manufacture	r				
Wind screen corrections a		Yes					
Uncertainties of wind scre Source of wind screen da		Yes Manufacture					
Mic pressure to free field		Yes					
Uncertainties of Mic to F.F		Yes					
Source of Mic to F.F. corr	ections	Manufacture	r				
Total expanded uncertain		ements of IEC 6167	2-1:2002	Yes			
Specified or equivalent Ca		Specified					
Customer or Lab Calibrate		Lab Calibrato	r				
Calibrator adaptor type if a Calibrator cal. date	applicable	NC-74-002 14 December 20	124				
Calibrator cert. number		UCRT21/251					
Calibrator cal cert issued	hu	0653					
Calibrator SPL @ STP	Бу	94.04	dB C	alibration re	former	cound proc	sure level
Calibrator frequency		1001.94	-	alibration re alibration cl			sure level
Reference level range	-	25 - 130	dB	anoration ci	neok neg	luency	
Accessories used or corre	acted for during calib			le & Wind S	bield WS	2.15	
Note - if a pre-amp extens							
Environmental conditions		Start		End			
Environmental conditions	Temperature	23.38		3.75	± 0	.30 °C	
	Humidity	51.2		47.8		.00 %RH	
	Ambient Pressure	101.86	10	01.88	± 0	.03 kPa	
Response to associated (	Calibrator at the envir	onmental condition	s above.				
Initial indicated level				icated level	9	4.0	dB
The uncertainty of the ass							dB
	This test is currently						
Microphone installed (if re				N/A	dB A V	Veighting	
Uncertainty of the microph			1	N/A	dB		
Microphone replaced with	electrical input devic	e-UR=	Under Ra	ange indicat	ted		
Weighting	A	ċ		2	2		
	1.5 dB UR	15.1 dB	UR		dB U	R	
Uncertainty of the electric	al self generated noi	se ±	(	0.12	dB		
The reported expanded up	ncertainty is based o	n a standard uncert	ainty mul	ltiplied by a	coverage	e factor k=2	, providing
a coverage probability of a	approximately 95%.	The uncertainty eva	luation h	as been ca	rried out	in accordan	ce with
UKAS requirements.							
For the test of the frequen	icy weightings as per	paragraph 12. of IE	EC 61672	2-3:2006 the	e actual n	nicrophone	free field
response was used.							
The acoustical frequency		weighting as per pa	ragraph	11 of IEC 61	1672-3:20	006 were ca	arried out
using an electrostatic actu	lator.	-					
Onliberta dibus D. Ci		END					
Calibrated by: B. Gi Additional Comments		antificate anti-	to the iter	and a liber		antifical sha	R 1
Additional Comments None	The results on this of	seruncate only relate	e to the it	ents calibra	ued as id	entitied abo	ve.



#### SLM

MEASUREMENT	SYSTEMS	OF CALIBRATIO	ON 🤇	UKAS CALIBRATION 0653	
Date of Issue: 10 Dalibrated at & Certifica NV Measurement Sysi Beaufort Court 7 Roebuck Way Mitton Keynes MK5 8HI relephone 01908 64284- S-Mail: Info@noise-and-vi courtor Noise work.	te issued by: tems L 48 Fax 01908 64281 vibration.co.uk bration.co.uk	Approved : K. Mistry	te Number: U Page 1 Signatory	of 2 Pages	
Customer	ANV Measurem Beaufort Court 17 Roebuck Wa Milton Keynes MK5 8HL	ent Systems			
Order No.	ANV MS HIRE				
Description dentification	Sound Level Me Manufacturer Rion Rion Rion Rion Rion	ter / Pre-amp / Microph Instrument Sound Level Meter Firmware Pre Amplifier Microphone Calibrator Calibrator adaptor typ	Type NL-52 NH-25 UC-59 NC-74	d Calibrator Serial No. / Veraion 00620864 2.0 21000 03877 34536109 NC-74-002	
Performance Class Test Procedure	1 TP 2.SLM 6167	2-3 TPS-49	50.0 Bars 100		
Type Approved to IEC	C 61672-1:2002	IEC 61672-3:2006 were u YES Approval	Number 2	1.21 / 13.02	
Date Received Date Calibrated			672-2:2003	essfully completed the	
1672-3:2006, for the evidence was available pattern evaluation test of sound level meter	te environmental le, from an indepe sts performed in a fully conformed t	conditions under which indent testing organisati ccordance with IEC 616	h the tests we on responsible 72-2:2003, to o EC 61672-1:20	ass 1 periodic tests of IEC re performed. As public for approving the results of lemonstrate that the model 02, the sound level meter 2.	
Previous Certificate	Dated 08 January 202	Certificate No. 1 UCRT21/1053	Laborat 0653	ory	

	ATE OF CA		ON		UCF	te Numbe (T22/1029	-	
UKAS Accredited	d Calibration Labor	atory No. 0653		Page	e 2	of 2	Pages	
						Provide at		
Sound Level Meter Inst				ne sound lev	vels ind	dicated.		
SLM instruction manual ti SLM instruction manual re		Meter NL-42 / 11-03	NL-52					
SLM instruction manual s		Manufactu						
Internet download date if		N/A	iei					
Case corrections available		Yes						
Uncertainties of case corr		Yes						
Source of case data		Manufactu	rer					
Wind screen corrections a	available	Yes						
Uncertainties of wind scre		Yes						
Source of wind screen da		Manufactu	rer					
Mic pressure to free field		Yes						
Uncertainties of Mic to F. Source of Mic to F.F. corr		Yes Manufactu						
Total expanded uncertain				002 Yes				
Specified or equivalent Ca		Specified		Tes	· I			
Customer or Lab Calibrat		Lab Calibra						
Calibrator adaptor type if	applicable	NC-74-00	2					
Calibrator cal. date		14 December	2021					
Calibrator cert. number		UCRT21/25	515					
Calibrator cal cert issued	by	0653						
Calibrator SPL @ STP		94.04	dB	Calibration	referen	ice sound pi	ressure le	vel
Calibrator frequency		1001.94	Hz	Calibration	check t	frequency		
Reference level range		25 - 130	dB					
Accessories used or corre				able & Wind				
Note - if a pre-amp extens	sion cable is listed th	en it was used be	tween th	ne SLM and t	the pre-	amp.		
Environmental conditions	during tests	Start		End			_	
	Temperature	23.06		23.16	±	0.30 °C		
	Humidity	40.2	_	40.0	±	3.00 %R		
	Ambient Pressure	100.67		100.76	±	0.03 kPa		
Response to associated (	Calibrator at the envir	ronmental condition	ons abov	/e.				
Initial indicated level				indicated leve	el	94.0	dB	
The uncertainty of the ass	sociated calibrator su	pplied with the so	und leve	el meter ±		0.10	dB	
	This test is currently		y this La					
Microphone installed (if re			_	N/A	dB	A Weighting	]	
Uncertainty of the micropl	-			N/A	dB	1		
Microphone replaced with			= Under	Range indic				
Weighting	A LUD	Ċ	UR		Z	1		
Uncertainty of the electric	1.6 dB UR	15.4 dB	UR	21.5 0.12	dB dB	UR		
	-		-		•	4	-	
The reported expanded u a coverage probability of a UKAS requirements. For the test of the frequer	approximately 95%.	The uncertainty e	valuatio	n has been o	arried (	out in accord	dance with	١
response was used.								
The acoustical frequency using an electrostatic act			paragraj	ph 11 of IEC	61672-	3:2006 were	e carried o	out
Calibrated by: B. Gi Additional Comments None	iles The results on this (		ate to th	e items calib	rated a	s identified a	above.	R 1

