COMPLIANCE NGINEERING





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Test Report By	Michael Kirby	
FCC Test Firm Registration	409640	
IC Site Registration	IE0001	
Date	18 <sup>th</sup> Oct 2021	
EUT Description	Sensor with Bluetooth Low Energy	
FCC ID	2A2UMFA2101	
Authorised by	Paul Reilly	
Authorised Signature:	P. J. Pales	

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### **TEST SUMMARY**

The equipment complies with the requirements according to the following standards.

FCC 15.247 Section	RSS-247 Section	TEST PARAMETERS	Test Result
15.247 (a)2	RSS-247 5.2a	6dB bandwidth	Pass
15.247 (e)	RSS-247 5.2b	Power Spectral Density	Pass
15.247 (b)3	RSS-247 5.4d	Output power Conducted	Pass
15.247 (d)	RSS-247 5.5	Conducted Spurious Emissions	Pass
15.205 15.209	RSS Gen 8.9 RSS Gen 8.10	Radiated Spurious Emissions	Pass
	RSS Gen 6.7	99% bandwidth	Pass

RSS 247-2 (Feb 2017) RSS Gen Issue5 Amd 2 (Feb 2021)

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF COMPLIANCE ENGINEERING IRELAND LTD

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## Exhibit A - Technical Report

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# 1.0 EUT Description

Type:	Sensor with Bluetooth Low Energy
Type of radio:	Stand-alone
Transmitter Type:	Bluetooth Low Energy
Operating Frequency Range(s):	2.402 GHz - 2.480GHz
Number of Channels:	39
Antenna:	Integral
Power configuration:	12 v DC
Ports:	None
Classification:	DTS
BLE Antenna Type:	Pcb printed antenna
BLE Antenna Gain Max:	2.4 dBi
BLE Antenna Impedance:	50 ohms
Test Standards:	15.247 RSS-247
Test Methodology:	Measurements performed according to the
	procedures in ANSI C63.10-2013
	KDB 558074 V5 R02

The EUT was a sensor with BLE connectivity

.

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1.1 EUT Operation
Operating Conditions during Test:

Conducted measurements were carried out on a sample (Sample #001) where the antenna was replaced by cable and SMA. The EUT was powered from a bench PSU set to 12Vdc. for all tests

The EUT was operated in test mode where the channel and modulation was set via USB connection from the EUT to a laptop.

Radiated measurements were performed on a sample (Sample #004) with standard internal antenna and powered from a 12v battery.

### **Environmental conditions**

	Temperature	Relative Humidity
Test	°C	%
Conducted Emissions	23	40
Radiated Emissions <1GHz	18	42
Radiated Emissions >1GHz	19	47

### 1.2 Modifications

No modifications were required in order to pass the test specifications.

### 1.3 Date of Test

The tests were carried out on 26<sup>th</sup> ,27<sup>th</sup>, 28<sup>th</sup> May and 2<sup>nd</sup> Jun 2021.

### 1.4 Description of Test modes

Channel	Freq MHz
Low	2402
Mid	2440
High	2480

All tests were performed with the EUT on the low mid and high channels.

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#### 2 Emissions Measurements

### 2.1 Conducted Emissions Measurements

Radio Conducted measurements were carried out on the EUT as per section 1.1 above.

All results were measured as conducted on the antenna except radiated spurious emissions.

### 2.2 Radiated Emissions Measurements

Radiated Power measurements were made at the Compliance Engineering Ireland Ltd anechoic chamber located in Dunshaughlin, Co. Meath, Ireland to determine the radio noise radiated from the EUT. A "Description of Measurement Facilities" has been submitted to the FCC and approved pursuant to Section 2.948 of CFR 47 of the FCC rules

The EUT was centred on a motorized turntable, which allows 360 degree rotation.

Emissions below 1GHz were measured using a test antenna positioned at a distance of 3 metres from the EUT (as measured from the closest point of the EUT). The radiated emissions were maximised by configuring the EUT, by rotating the EUT, and by raising and lowering the antenna from 1 to 4 metres. In this case the resolution bandwidth was 100kHz. Emissions in the 1GHz-18GHz range were measured using a horn antenna located at 3 metres distance from the EUT in a fully anechoic chamber.

The radiated emissions were maximised by configuring the EUT and by rotating the EUT, and by raising and lowering the test antenna from 1 to 4 metres.

Emissions above 18GHz were measured using a horn antenna located at 1 metre distance from the EUT in a fully anechoic chamber. The radiated emissions were maximised by configuring the EUT and by rotating the EUT and raising the test and antenna from 1 to 4 metres.

In this case the resolution bandwidth was 1MHz and video bandwidth was 3 MHz. for peak measurements. Average measurements were performed as per ANSI 63.10 2013 Section 11.12.2.5.2)

A pre-scan was performed to determine the worst case EUT orientation for the radiated measurements.

All radiated tests were performed with the EUT in orientation O3 for Horizontal polarization measurements and with the EUT in orientation O2 for Vertical polarisation measurements.

Ref Appendix D for orientations.

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### 3.0 Results for Conducted emissions on the mains

The EUT was powered from the mains through a LISN and an off the shelf mains to 12V DC adapter

Manufacturer Yuhai Electronic Co. Ltd Model YH-1212

Detector	Frequency	Reading	Margin	Phase
QP/ Ave	MHz	dBuV	dB	L/N
Quasi-Peak	0.1680	25.65	-39.84	Live
Quasi-Peak	0.3525	16.13	-44.08	Live
Quasi-Peak	2.7488	21.52	-34.48	Live
Quasi-Peak	6.5670	21.19	-38.81	Live
Average	16.782	18.11	-31.89	Live
Average	17.635	20.36	-29.64	Live
Quasi-Peak	18.488	25.55	-34.45	Live
Quasi-Peak	24.002	21.91	-38.09	Live
Quasi-Peak	28.934	20.52	-39.48	Live
Average	29.029	18.16	-31.84	Live
Average	29.123	17.94	-32.06	Live
Average	29.218	17.88	-32.12	Live
Average	29.378	18.14	-31.86	Live
Average	29.472	18.49	-31.51	Live
Average	29.567	18.62	-31.38	Live

Detector	Frequency	Reading	Margin	Phase
QP/ Ave	MHz	dBuV	dB	L/N
Quasi-Peak	0.2063	26.75	-37.64	Neutral
Quasi-Peak	2.7915	21.83	-34.17	Neutral
Quasi-Peak	6.4028	20.26	-39.74	Neutral
Average	17.6348	18.56	-31.44	Neutral
Quasi-Peak	18.4403	22.90	-37.1	Neutral
Quasi-Peak	24.0000	21.00	-39	Neutral
Average	29.0288	18.12	-31.88	Neutral
Average	29.1233	17.80	-32.2	Neutral
Average	29.2178	17.70	-32.3	Neutral
Average	29.2808	17.85	-32.15	Neutral
Average	29.3775	18.09	-31.91	Neutral
Average	29.4720	18.36	-31.64	Neutral
Quasi-Peak	29.5665	21.56	-38.44	Neutral
Average	29.5665	18.45	-31.55	Neutral

### **Test Result Pass**

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### Conducted Measurements

### 4.1 Bandwidth

#### 4.1.1 6dB bandwidth

Test Method

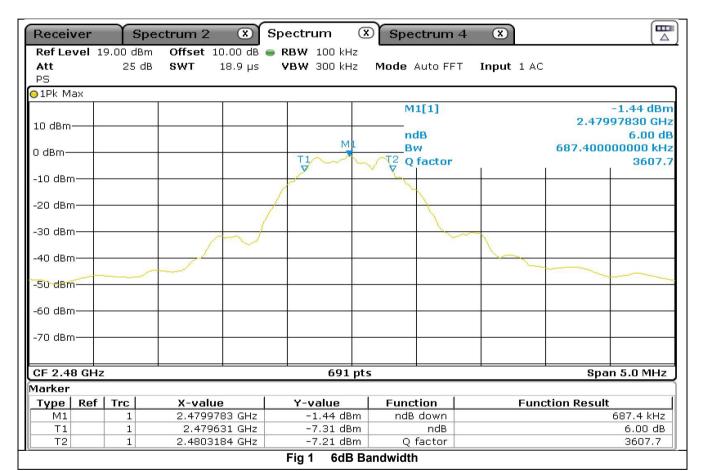
4.

As per Ansi 63.10 Section 11.8.2

#### Ansi63.10 Section 11.8.2 Option 2

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW  $\geq$  3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be  $\geq$ 6 dB.

Limit for 6dB Bandwidth = 500KHz min



Frequency	6dB Bandwidth	Limit Min	Margin
GHz	KHz	KHz	KHz
2.402	694.6	500	194.6
2.44	694.6	500	194.6
2.48	687.4	500	187.4

Result :- Pass

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### 4.1.2 99% bandwidth

Test Method

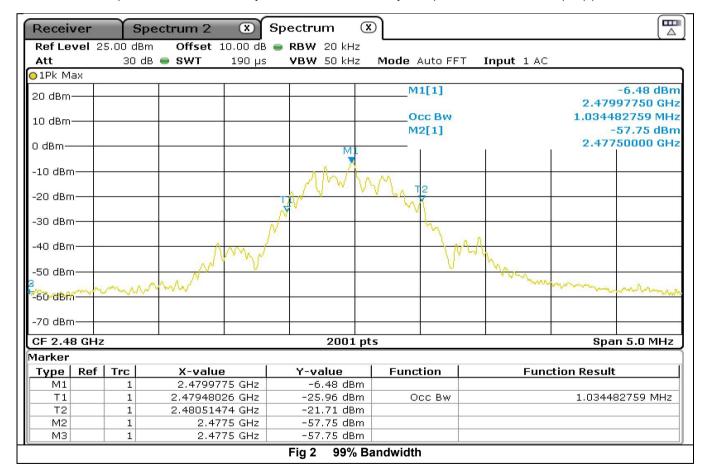
As per Ansi 63.10 Section 6.9.3

Ansi63.10 Section 6.9.3 Occupied bandwidth—power bandwidth (99%) measurement procedure

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



Frequency	99% Bandwidth
GHz	MHz
2.402	1.036
2.44	1.032
2.48	1.034

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### 4.2 Duty Cycle

Test Method

As per Ansi 63.10 Section 7.5 KDB 558074 zero span measurement method

### 7.5 Procedure for determining the average value of pulsed emissions

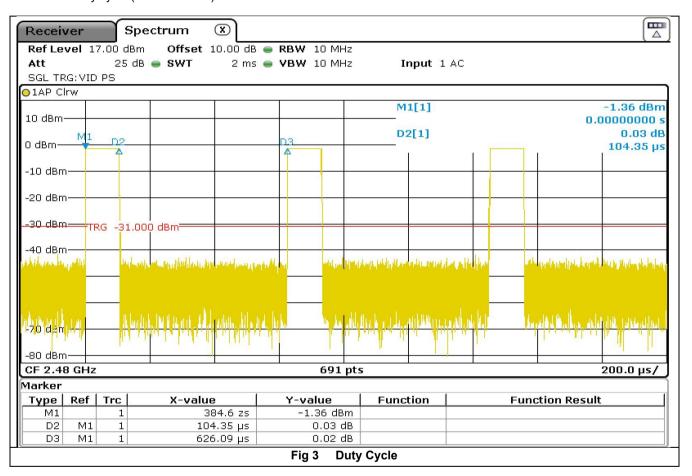
Unless otherwise specified, when the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 s (100 ms). In cases where the pulse train exceeds 0.1 s, the measured field strength shall be determined during a 0.1 s interval.64 The following procedure is an example of how the average value may be determined. The average field strength may be found by measuring the peak pulse amplitude (in log equivalent units) and determining the duty cycle correction factor (in dB) associated with the pulse modulation as shown in Equation (10):

 $\delta(dB) = 20\log(\Delta) (10)$ 

where

 $\delta$  is the duty cycle correction factor (dB)

 $\Delta$  is the duty cycle (dimensionless)



### **Duty Cycle**

Note the duty cycle results above shows how the sample operated during testing. Duty cycle =Ton/Tperiod =104.35/626.09 =16.67%

=> Duty cycle correction factor =20\*log (1/d) = 15.56 dB

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### 4.3 Power Spectral Density

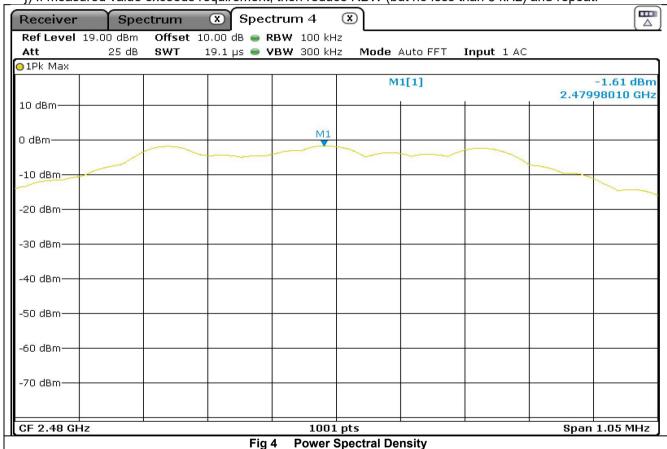
Test Method

As per Ansi 63.10 Section 11.10.2

#### Ansi63.10 Section Section 11.10.2 Method PKPSD (peak PSD)

The following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to 3 kHz ≤ RBW ≤ 100 kHz.
- d) Set the VBW ≥ [3 × RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.



Frequency	Measurement	Conducted Peak	Limit	Margin
GHz	dBm	dBm	dBm	dB
2.402	0.01	0.01	8	7.99
2.44	-0.76	-0.76	8	8.76
2.48	-1.61	-1.61	8	9.61

Result :- Pass

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### 4.4 Output power Conducted

#### 4.4.1 Test Method

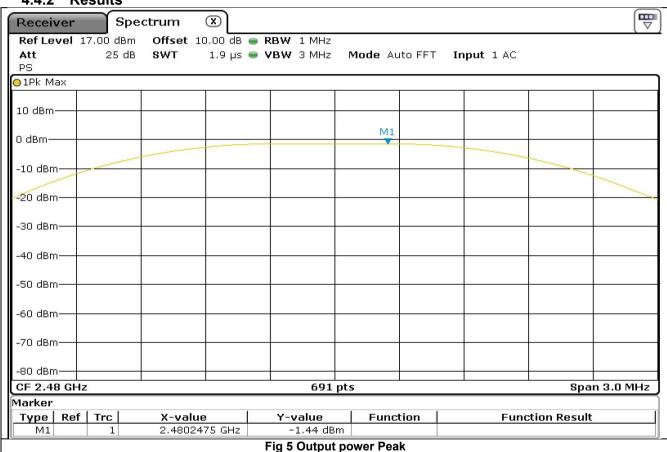
As per Ansi 63.10 Section 11.9..1.1

#### Ansi63.10 Section 11.9.1.1 RBW ≥ DTS bandwidth

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

- a) Set the RBW ≥ DTS bandwidth.
- b) Set VBW ≥ [3 × RBW].
- c) Set span ≥ [3 × RBW].
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

### 4.4.2 Results



Frequency	Measurement Peak	Limit	Margin
MHz	dBm	dBm	dB
2402	0.22	30	29.78
2440	-0.54	30	30.54
2480	-1.44	30	31.44

**Test Result:- Pass** 

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### 5. Spurious Emissions Measurements

#### 5.1 Conducted Emissions

5.1.1 Test Method

As per Ansi63.10 Section 11.11.1 and 6.10.4

### Ansi63.10 Section 11.11.1 General

Typical regulatory requirements specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

a) If the maximum peak conducted output power procedure was used to determine compliance as described in 11.9.1, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

### Ansi63.10 Section 6.10.4 Authorized-band band-edge measurements (relative method)

These procedures are applicable for determining compliance at authorized-band band-edges where the requirements are expressed as a value relative to the in-band signal level. Procedures for determining compliance with field strength limits at or close to the band-edges are given in 6.10.6 (see also Table A.2).

#### 5.1.2 Results

Frequency	100KHz RBW	dBc Limit Min	Margin
GHz	dBm	dB	dB
2.402	-0.11	20	-
4.804	-86.93	20	66.82
7.206	-61.46	20	41.35
9.608	-60	20	39.89

Frequency	100KHz RBW	dBc Limit Min	Margin
GHz	dBm	dB	dB
2.44	-0.63	20	-
4.88	-75.99	20	55.36
7.32	-44.23	20	23.6
9.76	-53.91	20	33.28

Frequency	100KHz RBW	dBc Limit Min	Margin
GHz	dBm	dB	dB
2.48	-1.43	20	-
4.96	-74.1	20	52.67
7.44	-40.89	20	19.46
9.92	-57.3	20	35.87

Ref Appendix A for Scans

Test Result: - Pass

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### 5.2 Radiated Spurious Emissions in Restricted bands

5.2.1 Test Method

As per Ansi63.10 Section 11.12.1 and 6.10.5

### Ansi63.10 Section 11.12.1 Radiated emission measurements

Because the typical emission requirements are specified in terms of radiated field strength levels, measurements performed to determine compliance have traditionally relied on a radiated test configuration.92 Radiated measurements remain the principal method for determining compliance to the specified requirements; however antenna-port conducted measurements are also now acceptable to determine compliance (see 11.12.2 for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in 6.3, 6.5. and 6.6 shall be followed

#### 6.10.5 Restricted-band band-edge measurements

These procedures are applicable for determining compliance at band edges of restricted bands.

#### 6.10.5.1 Test setup

Restricted-band band-edge tests shall be performed as radiated measurements, on a test site meeting the specifications in 5.2 at the measurement distances specified in 5.3.57

The instrumentation shall meet the requirements in 4.1.1 using the bandwidths and detectors specified in 4.1.4.2. Considering the requirements of 5.8, the antenna(s) shall be connected to the antenna ports. When performing radiated measurements, the measurement antenna(s) shall meet the specifications in 4.3. The EUT shall be connected to an antenna and operated at the highest power settings following procedures in 6.3, and the relevant procedure in 6.4, 6.5, or 6.6

Ref Section 5.5

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Frequency MHz	Quasi Peak Level dBuV/m	Antenna Polarity	Antenna Factor dB	Cable loss dB	Final Field Strength Quasi Peak dBuV/m	Quasi Peak Limit dBuV/m	Margin dB
962.425	-8.9	Vertical	24.2	2.4	17.7	54.0	36.3
240.15	-6.3	Vertical	15.7	1.4	10.8	46.0	35.2
244.95	3.9	Horizontal	15.8	1.4	21.1	46.0	24.9

Frequency GHz	Measured Peak Level dBuV/m	Antenna Factor	Preamp Gain dB	Cable Loss dB	Antenna Polarity V/H	Duty Cycle Correction	Final Peak Level dBuV/m	Average Limit +20dB	Margin dB
4.804	43.8	32.4	37.1	5.2	Vertical	0.00	44.3	74	29.7
12.010	38.7	40.3	36.5	7.8	Vertical	0.00	50.3	74	23.7
4.804	45.6	32.4	37.1	5.2	Horizontal	0.00	46.1	74	27.9
12.010	39.9	40.3	36.5	7.8	Horizontal	0.00	51.5	74	22.5

Frequency	Measured Peak Level	Antenna Factor	Preamp Gain	Cable Loss	Antenna Polarity	Duty Cycle Correction	Final Peak Level	Average Limit +20dB	Margin
GHz	dBuV/m	dB	dB	dB	V/H	dB	dBuV/m	dBuV/m	dB
4.880	45.2	32.4	37.3	5.2	Vertical	0.00	45.5	74	28.6
7.320	44.8	37.7	38	6.7	Vertical	0.00	51.2	74	22.8
12.200	40.4	40.3	37.7	8.9	Vertical	0.00	51.9	74	22.1
4.880	45.6	32.4	37.3	5.2	Horizontal	0.00	45.9	74	28.1
7.320	44.5	37.7	38	6.7	Horizontal	0.00	50.9	74	23.2
12.200	40.4	40.3	37.7	8.9	Horizontal	0.00	51.9	74	22.1

Frequency	Measured Peak Level	Antenna Factor	Preamp Gain	Cable Loss	Antenna Polarity	Duty Cycle Correction	Final Peak Level	Average Limit +20dB	Margin
GHz	dBuV/m	dB	dB	dB	V/H	dB	dBuV/m	dBuV/m	dB
4.960	44.5	33.5	37.4	5.4	Vertical	0.00	46.0	74	28.0
7.440	47.3	37.7	37.5	6.3	Vertical	0.00	53.8	74	20.2
12.400	40.5	40.3	36.4	8.0	Vertical	0.00	52.4	74	21.6
4.960	45.7	33.5	37.4	5.4	Horizontal	0.00	47.2	74	26.8
7.440	47.2	37.7	37.5	6.3	Horizontal	0.00	53.7	74	20.3
12.400	40.6	40.3	36.4	8.0	Horizontal	0.00	52.5	74	21.5

Average measurements not performed where the Final Peak level is below the Average limit of 54 dBuV/m limit.

Test Result: - Pass

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## 5.3 Radiated Band Edge / Restricted band Measurements

### Band Edge/ Restricted Band near 2.4 GHz band

Frequency	Measured Peak Level	Antenna Factor	Preamp Gain	Cable Loss	Antenna Polarity	Duty Cycle Correction	Final Peak Level	Average Limit +20dB	Margin
GHz	dBuV/m	dB	dB	dB	V/H	dB	dBuV/m	dBuV/m	dB
2.4835	68.3	28.7	38.3	3.4	Vertical	0.00	62.1	74	11.9
2.4835	69.0	28.7	38.3	3.4	Horizontal	0.00	62.8	74	11.2

Frequency	Measured Peak Level	Antenna Factor	Preamp Gain	Cable Loss	Antenna Polarity	Duty Cycle Correction	Final Peak Level	Average Limit +20dB	Margin
GHz	dBuV/m	dB	dB	dB	V/H	dB	dBuV/m	dBuV/m	dB
2.400	72.5	27.4	38.5	3.5	Vertical	0.00	64.9	74	9.1
2.400	73.3	27.4	38.5	3.5	Vertical	0.00	65.7	74	8.3

Frequency	Final Peak Level	Antenna Polarity	Duty Cycle Correction	Average Level	Average Limit	Margin
GHz	dBuV/m	V/H	dB	dBuV/m	dBuV/m	dB
2.4835	62.1	Vertical	-15.56	46.5	54	7.5
2.4835	62.8	Horizontal	-15.56	47.3	54	6.7

Frequency	Final Peak Level	Antenna Polarity	Duty Cycle Correction	Average Level	Average Limit	Margin
GHz	dBuV/m	V/H	dB	dBuV/m	dBuV/m	dB
2.4000	64.9	Vertical	-15.56	49.4	54	4.7
2.4000	65.7	Vertical	-15.56	50.2	54	3.8

Duty Cycle correction for Average measurement of pulsed signal -15.56dB as per ANSI C63.10 Section 7.5  $\,$ 

Test Result: - Pass

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## 5.4 Radiated Power at fundamental

Frequency	Measured Average Level	Antenna Factor	Preamp Gain	Cable Loss	Antenna Polarity	Final Peak Level	Transmitted power	Limit	Margin
GHz	dBuV/m	dB	dB	dB	V/H	dBuV/m	dBm	dBm	dB
2.402	103.6	27.4	38.5	3.5	Vertical	96.04	0.8	36.0	35.2
2.402	102.4	27.4	38.5	3.5	Horizontal	94.76	-0.4	36.0	36.4
2.440	108.9	27.4	38.5	3.5	Vertical	97.11	1.9	36.0	34.1
2.440	107.9	27.4	38.5	3.5	Horizontal	96.74	1.5	36.0	34.5
2.480	105.3	27.4	38.5	3.5	Vertical	95.40	0.2	36.0	35.8
2.480	107.9	27.4	38.5	3.5	Horizontal	95.08	-0.1	36.0	36.1

Note the Radiated field strength was measured at 3 metres and the conversion formula below was used to determine the EIRP in dBm  $EIRP (dBm) = E_{3m} (dBuV/m) - 95.2$ 

Test Result Pass

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### **6** Measurement Uncertainties

Measurement	Uncertainty		
Radio Frequency	+/- 5x10 <sup>-7</sup>		
Maximum Frequency Deviation	+/- 1.7 %		
Conducted Emissions	+/- 1 dB		
Radiated Emission 30MHz-100MHz	+/- 5.3 dB		
Radiated Emission 100MHz-300MHz	+/- 4.7 dB		
Radiated Emission 300MHz-1GHz	+/- 3.9 dB		
Radiated Emission 1GHz-40GHz	+/- 3.8 dB		
Modulation bandwidth	+/- 5x10 <sup>-7</sup>		
Duty Cycle	+/- 5 %		
Power supply	±0.1 VDC		
Temperature	±0.2 °C		
Frequency	±0.01 ppm		

The measurement uncertainties stated were calculated with a k=2 for a confidence level of over 95% as per ETS TR100 028.

The test data can be compared directly to the specification limit to determine compliance, as the calculated measurement uncertainty meets the requirements of the applicable specification.

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# 7 List of Test Equipment

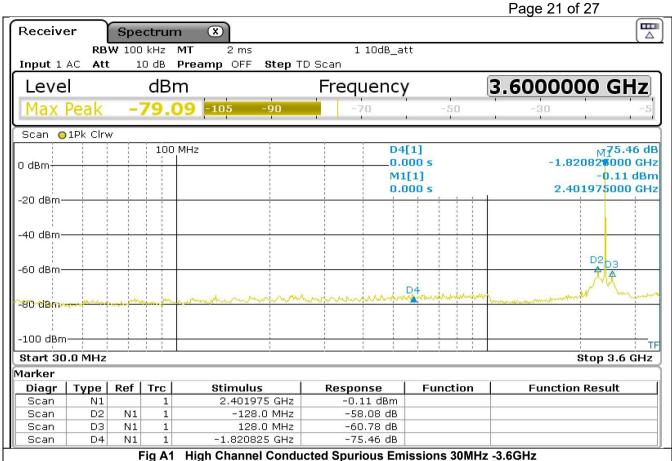
Instrument	Manufacturer	Model	Serial Num	CEI Ref	Cal Due Date	Cal Interval Months
Spectrum Analyser 30Hz-40GHz	Rohde & Schwarz	FSP40	100053	850	11-Dec-21	36
Spectrum Analyser 30Hz-40GHz	Ronde & Schwarz	F3F40	1316.3003k03-	650	11-Dec-21	30
Test Receiver 3.6GHz	Rohde & Schwarz	ESR	101625-s	869	28-May-23	36
Antenna Biconical	Schwarzbeck	VHBB 9124	9124 667	871	03-Sep-21	36
Anechoic Chamber	CEI	SAR 10M	845	845	16-May-22	36
Antenna Log Periodic	Chase	UPA6108	1072	609	03-Sep-21	36
Fully Anechoic Chamber	CEI	FAR 3M	906	906	23-Jul-22	36
Microwave Preamplifier	Hewlett Packard	83017A	3123A00175	805	30-Sep-21	12
Antenna Horn Standard Gain 18- 26.5GHz	A-Info	LB-42-25-C-KF	J2021091103028	877	05-Oct-21	12
Antenna Horn	EMCO	3115	9905-5809	655	13-Dec-21	24
LISN	Rohde & Schwarz	ESH3-Z5	825460/003	604	16-Feb-22	36

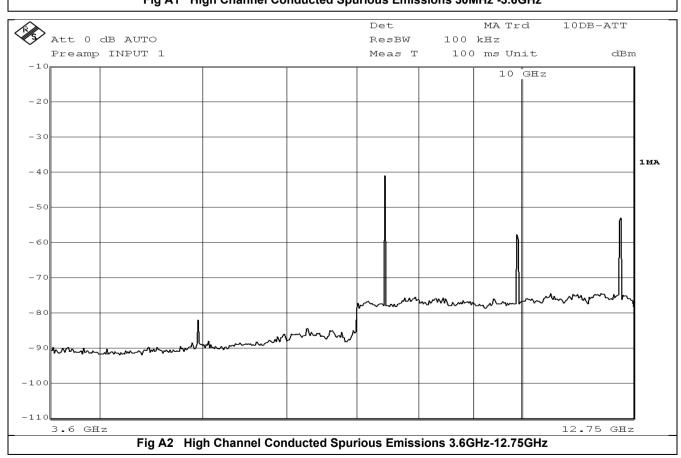
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# Appendix A

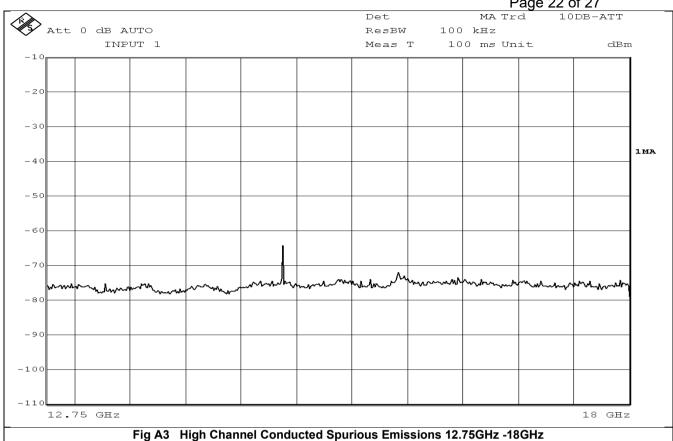
**Conducted Measurements on the Antenna Port** 

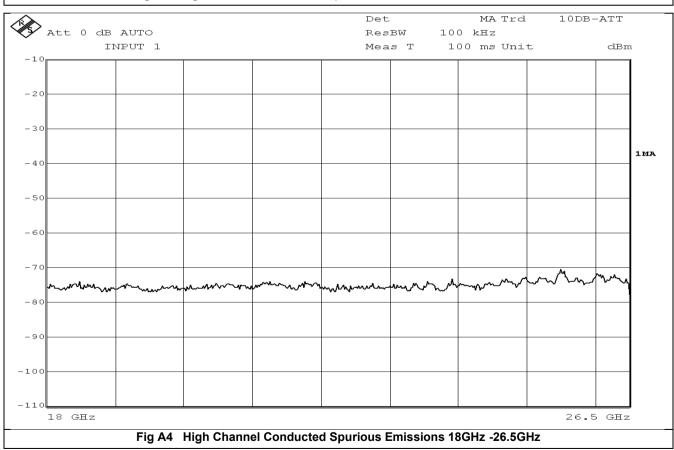
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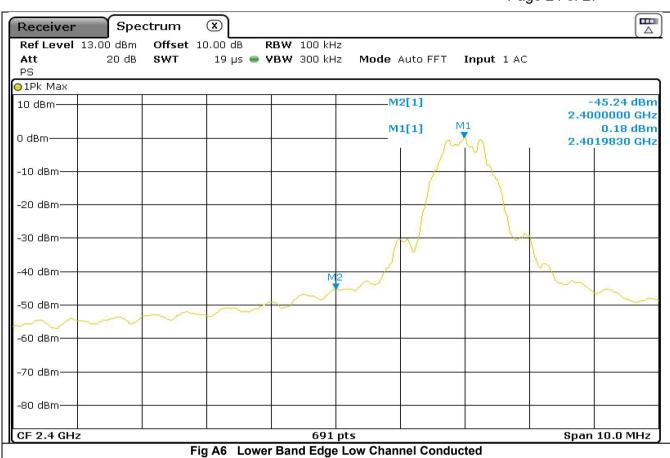


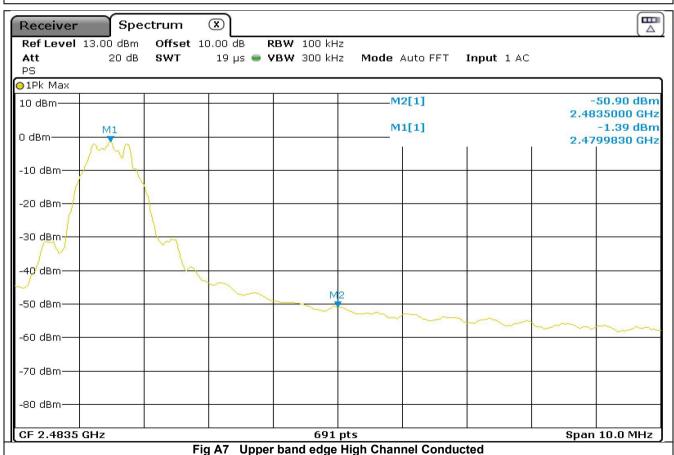


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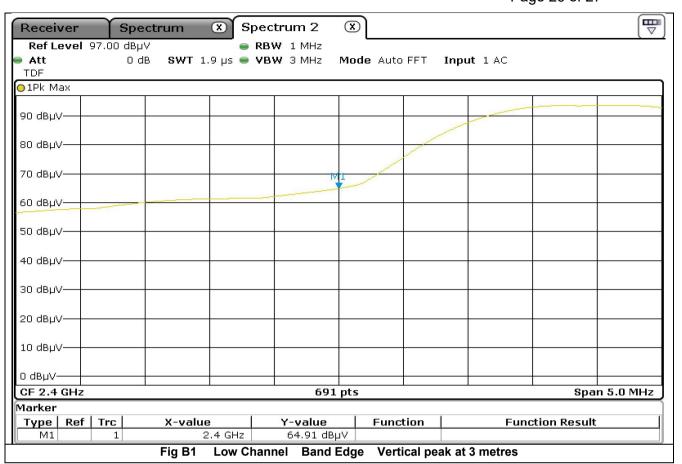


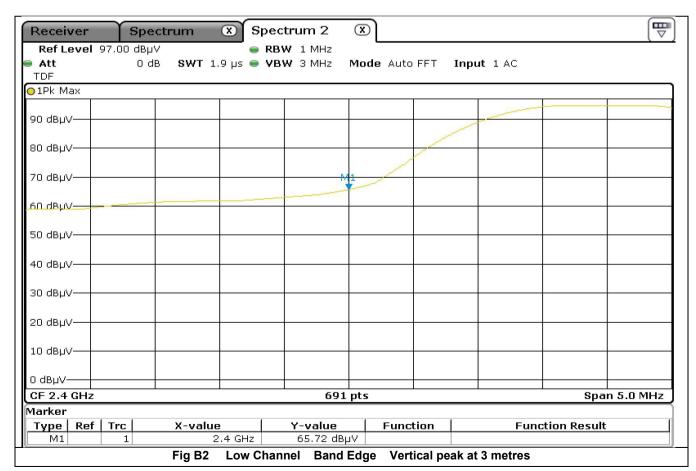
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## Appendix B

# Radiated tests for Band Edges /Restricted band

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