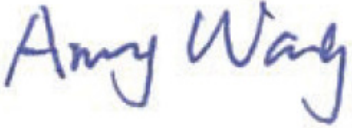


Prüfbericht-Nr.: <i>Test Report No.:</i>	16060215 001	Auftrags-Nr.: <i>Order No.:</i>	174023970	Seite 1 von 24 Page 1 of 24
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	450812	Auftragsdatum: <i>Order date.:</i>	02 Jul. 2014	
Auftraggeber: <i>Client:</i>	Bang & Olufsen a/s Peter Bangs Vej 15, 7600 Struer, Denmark			
Prüfgegenstand: <i>Test item:</i>	Bluetooth Speaker	FCC ID: <i>FCC ID:</i>	TTUBEOPLAYA2	
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	BeoPlay A2	IC ID: <i>IC ID:</i>	3775B-BEOPLAYA2	
Auftrags-Inhalt: <i>Order content:</i>	TUV Rheinland - EMC service			
Prüfgrundlage: <i>Test specification:</i>	ANSI C63.4: 2009 FCC Part 15: 2013-10 Subpart C section 15.207, 15.209 and 15.247 RSS-210: 2010-12			
Wareneingangsdatum: <i>Date of receipt:</i>	31.Mar.2014			
Prüfmuster-Nr.: <i>Test sample No.:</i>	N/A			
Prüfzeitraum: <i>Testing period:</i>	Refer to test report			
Ort der Prüfung: <i>Place of testing:</i>	Refer to section 2.1			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
				
22 Jul. 2014 Amy Wang/ Senior Project Engineer		22 Jul. 2014 Max Y. C. Yao/ Department Manager		
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>
Sonstiges / Other:				
BT 4.0 LE (Low energy) technology.				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet				
Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

V04

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 PEAK OUTPUT POWER

RESULT: Pass

5.1.3 6dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH

RESULT: Pass

5.1.5 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.6 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.7 CONDUCTED EMISSION

RESULT: Pass

5.1.8 BAND-EDGE EMISSION

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix 1: Test Results

2. Test Sites

2.1 Test Facilities

EST Technology Co., Ltd.
Santun(guantai Road), Houjie Town, DongGuan City, GuangDong, China.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	July,30,13	1 year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	July,30,13	1 year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	July,25,13	1 year
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	July,23,13	1 year
Spectrum Analyzer	Agilent	E4411B	MY50140697	July,23,13	1 year
Bilog Antenna	Teseq	CBL 6111D	27090	July,29,13	1 year
Signal Amplifier	Agilent	310N	187037	July,23,13	1 year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120D1002	July.29,13	1 year
Signal Amplifier	SCHWARZBECK	BBV9718	9718-212	July.23,13	1 year
Spectrum Analyzer	Agilent	E4408B	MY44211139	July.23,13	1 year
RF Cable	Hubersuhner	RG 214/U	513423	July.21,13	1 year

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Conducted Radio Spectrum	2.10 dB
Conducted Emission	2.54 dB
Radiated Emission (30MHz-1GHz)	3.62 dB
Radiated Emission (Above 1GHz)	4.11 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

EST Technology Co., Ltd.
Santun(guantai Road), Houjie Town, DongGuan City, GuangDong, China. is listed on the US Federal Communications Commission list of facilities approved to perform measurements, the register no. 989591.

3. General Product Information

3.1 Product Function and Intended Use

The tested sample is a "Bluetooth speaker" with model numbers "BeoPlay A2" for new approval, which is intended to enable Bluetooth connectivity with Notebook or smart phone, and play the music from Bluetooth device.

For details refer to the Technical Documentation or User manual.

3.2 Ratings and System Details

Table 3: Technical Specification of Bluetooth (BDR & EDR mode)

Technical Specification	Value
Kind of Equipment	Bluetooth Speaker
Type Designation	BeoPlay A2
FCC ID	TTUBEOPLAYA2
IC ID	3775B-BEOPLAYA2
Operating Frequency band	2402MHz~2480MHz
Channel separation	2MHz
Operation Voltage	Adapter Input: 100~240Vac, 50/60Hz; Adapter Output: 15Vdc; 7.2Vdc from Internal battery
Modulation	Bluetooth V4.0 BLE: GFSK
Bluetooth version	4.0 (dual mode)
Antenna Gain	2.55 dBi

Table 4: RF channel and frequency of Bluetooth (LE mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	11	2424.00	22	2446.00	33	2468.00
1	2404.00	12	2426.00	23	2448.00	34	2470.00
2	2406.00	13	2428.00	24	2450.00	35	2472.00
3	2408.00	14	2430.00	25	2452.00	36	2474.00
4	2410.00	15	2432.00	26	2454.00	37	2476.00
5	2412.00	16	2434.00	27	2456.00	38	2478.00
6	2414.00	17	2436.00	28	2458.00	39	2480.00
7	2416.00	18	2438.00	29	2460.00		
8	2418.00	19	2440.00	30	2462.00		
9	2420.00	20	2442.00	31	2464.00		
10	2422.00	21	2444.00	32	2466.00		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode (LE mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Receiving

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- | | |
|--------------------|----------------------|
| - Bill of Material | - Circuit Diagram |
| - PCB Layout | - Instruction Manual |
| - Photo Document | - Rating Label |

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2009.

4.3 Special Accessories and Auxiliary Equipment

N/A

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram 1 of Configuration for Testing Radiated Emission 30MHz -1 GHz

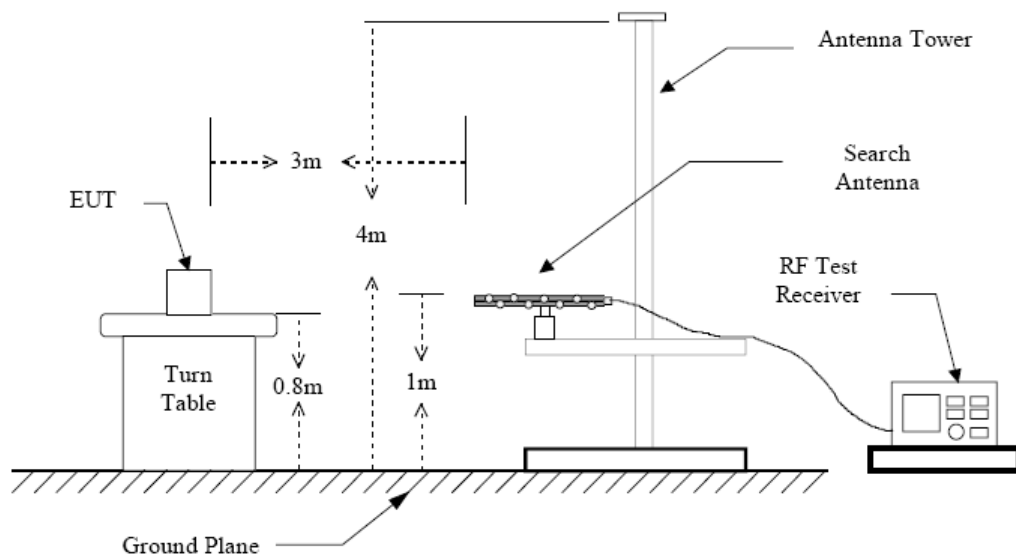
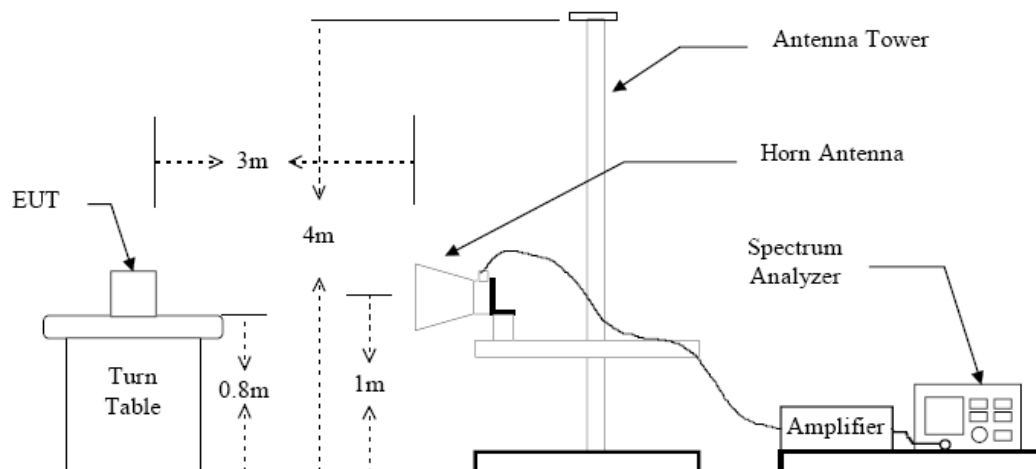


Diagram 2 of Configuration for Testing Radiated Emission above 1 GHz



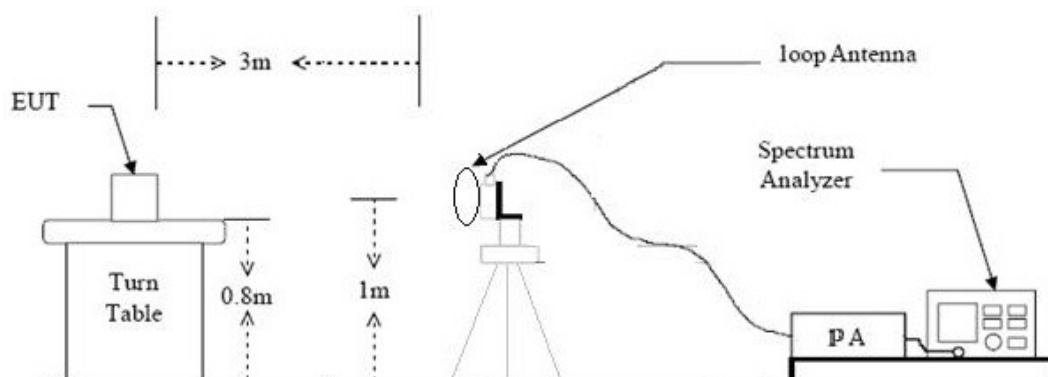
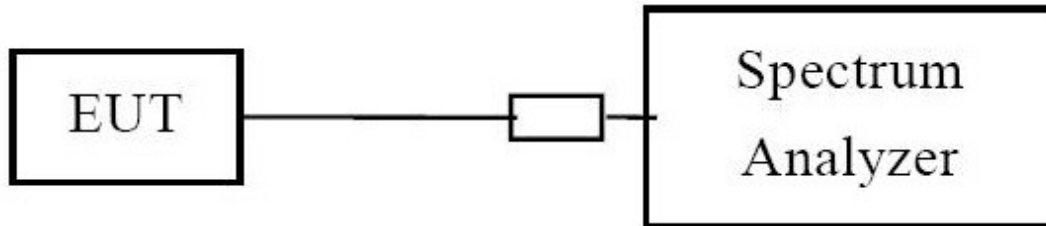


Diagram 5 of Configuration for testing other test items



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test standard : FCC Part 15.247(b)(4) and Part 15.203
RSS-Gen 7.1.4
Limit The use of antennas with directional gains that do
not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 2.55 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT:

Pass

Test date : 2014-06-07
Test standard : FCC Part 15.247(b)(1)
FCC Part 15.247(b)(3)
RSS-210 A8.4
Basic standard : ANSI C63.4: 2009
Clause 9.1 of KDB 558074 v03r01
Limit : 125mW, 1W
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 25.3°C
Relative humidity : 58%
Atmospheric pressure : 101kPa

Table 5: Test result of Peak Output Power of Bluetooth (LE mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	1.980	30
Middle Channel	2440	5.091	30
High Channel	2480	5.357	30

For details refer to test plots in Appendix 1.

5.1.3 6dB Bandwidth and 99% Bandwidth

RESULT:

Pass

Date of testing : 2014-06-07
Test standard : FCC Part 15.247(a)(2)
RSS-210 A8.2
Basic standard : ANSI C63.4: 2009
Clause 8 of KDB 558074 v03r01
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 25.3°C
Relative humidity : 58%
Atmospheric pressure : 101kPa

Table 6: Test result of 6dB & 99% Bandwidth of Bluetooth, LE mode

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.750	1.073
Mid Channel	2440	0.756	1.078
High Channel	2480	0.752	1.079

For details refer to test plots in Appendix 1.

5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth

RESULT:

Pass

Date of testing	:	2014-06-07
Test standard	:	FCC part 15.247(d) RSS-210 A8.5
Basic standard	:	ANSI C63.4: 2009
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	25.3°C
Relative humidity	:	58%
Atmospheric pressure	:	101kPa

For details refer to test plots in Appendix 1.

5.1.5 Power spectral density

RESULT:

Pass

Date of testing : 2014-06-07
Test standard : FCC part 15.247(e)
RSS-210 A8.2
Basic standard : ANSI C63.4: 2009
Clause 10 of KDB 558074 v03r01
Limit : 8dBm/3kHz
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.1.a
Ambient temperature : 25.3°C
Relative humidity : 58%
Atmospheric pressure : 101kPa

Table 7: Test result of power spectral density:

Mode	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
Bluetooth LE mode	2402	-13.72	8	Pass
	2440	-10.55	8	Pass
	2480	-10.30	8	Pass

For details refer to test plots in Appendix 1.

5.1.6 Radiated Spurious Emission

RESULT:

Pass

Date of testing : 2014-06-03
Test standard : FCC part 15.247(d)
RSS-Gen 7.2.1
Basic standard : ANSI C63.4: 2009
Clause 11 of KDB 558074 v03r01
Limits : FCC part 15.209(a); RSS-Gen 7.2.1
Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.1.a
Ambient temperature : 25.6°C
Relative humidity : 56%
Atmospheric pressure : 101kPa

For details refer to test plots in Appendix 1.

5.1.7 Conducted emissions

RESULT:

Pass

Date of testing : 2014-05-28
Test standard : FCC Part 15.207
RSS-Gen 7.2.4
Basic standard : ANSI C63.4: 2009
Frequency range : 0.15 – 30MHz
Limits : FCC Part 15.207
RSS-Gen 7.2.4
Kind of test site : Shield room

Test setup

Input Voltage : AC 120V, 60Hz
Operation Mode : A
Earthing : Not Connected
Ambient temperature : 25.3°C
Relative humidity : 58%
Atmospheric pressure : 101kPa

For details refer to test plot in Appendix 1.

5.1.8 Band-edge Emission

RESULT:

Pass

Date of testing : 2014-05-31
Test standard : FCC part 15.247(d)
RSS-210 Clause 2.2
Basic standard : ANSI C63.4: 2009
Clause 11 of KDB 558074 v03r01
Limits : FCC part 15.209(a)
Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.1.a
Ambient temperature : 25.6°C
Relative humidity : 56%
Atmospheric pressure : 101kPa

For details refer to test plots in Appendix 1.

6. Safety Human exposure

6.1.1 Radio Frequency Exposure Compliance

RESULT:

Pass

Test standard: RSS-102 Issue 4
FCC KDB Publication 447498

The maximum peak output power of the transmitter is 3.433 mW only, which less than 20mW.

Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4.

The minimum distance for the EUT is 5mm, since maximum peak output power of the transmitter is $3.433 \text{ mW} < 10 \text{ mW}$, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure Guidance v05.

7. Photographs of the Test Set-Up

Photograph 1: Set-up for Conducted Emissions

Photograph 2: Set-up for Radiated Spurious Emissions, 30MHz-1GHz

Photograph 3: Set-up for Radiated Spurious Emissions, Above 1GHz

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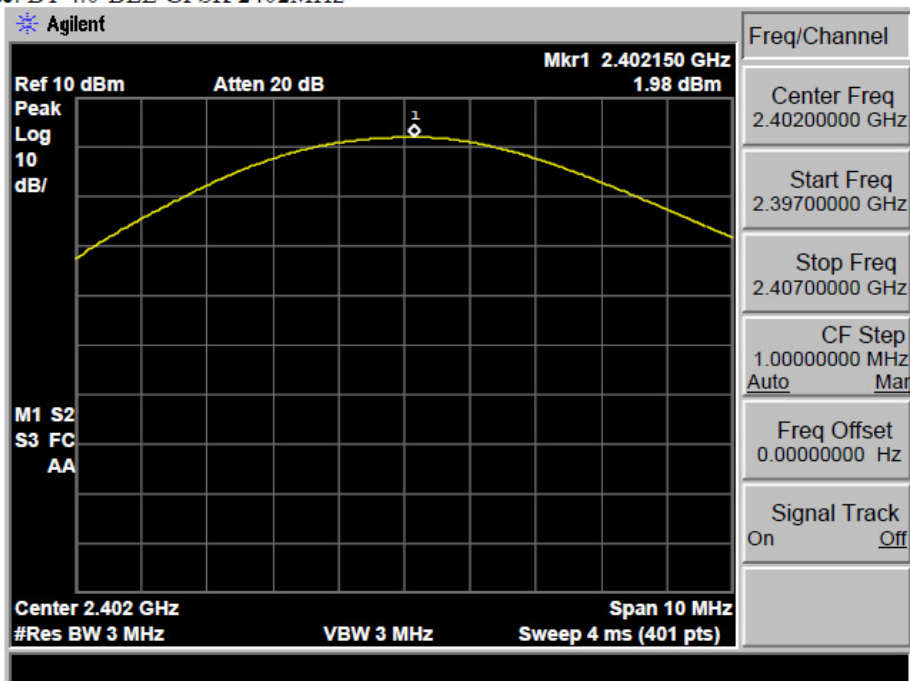
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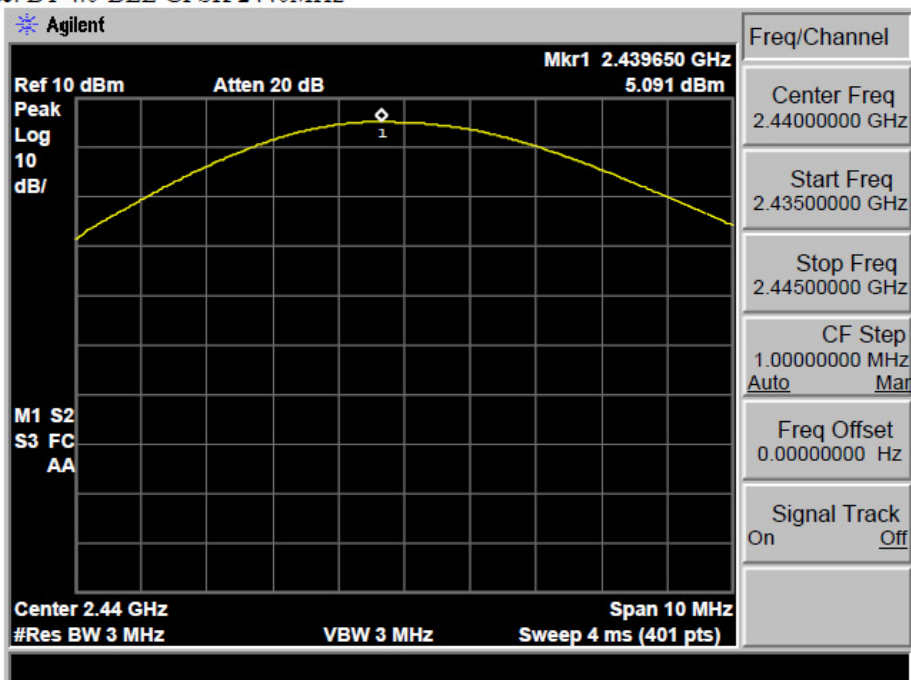
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1. Peak Output Power

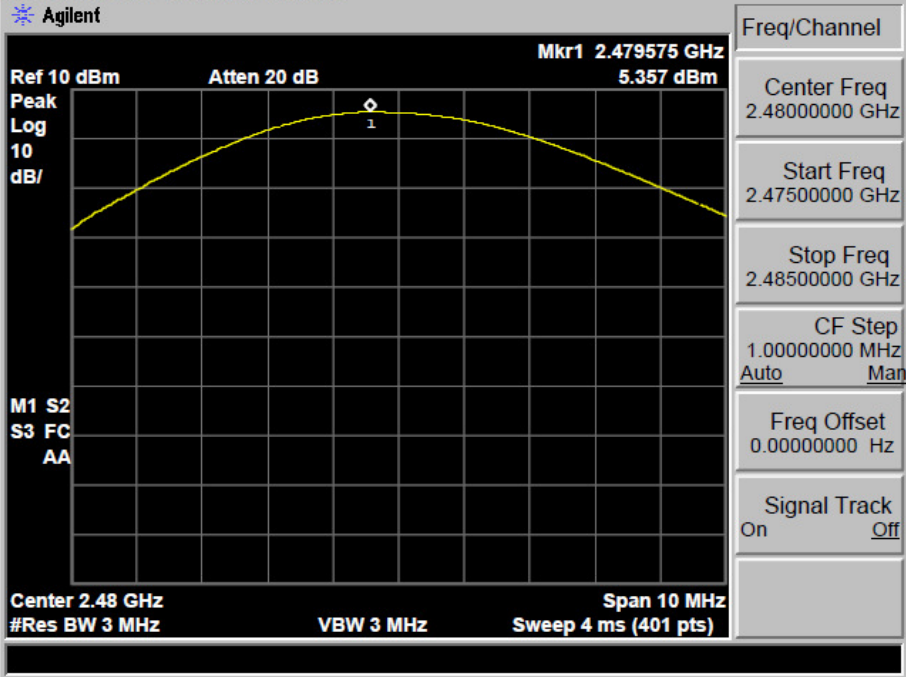
Test Mode: BT 4.0-BLE GFSK 2402MHz



Test Mode: BT 4.0-BLE GFSK 2440MHz



Test Mode: BT 4.0-BLE GFSK 2480MHz



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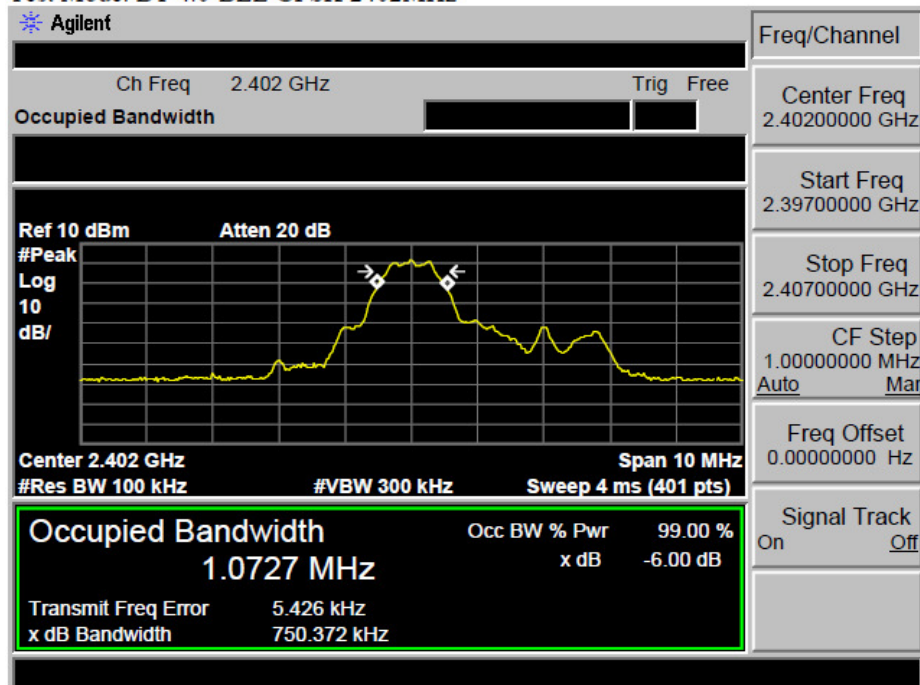
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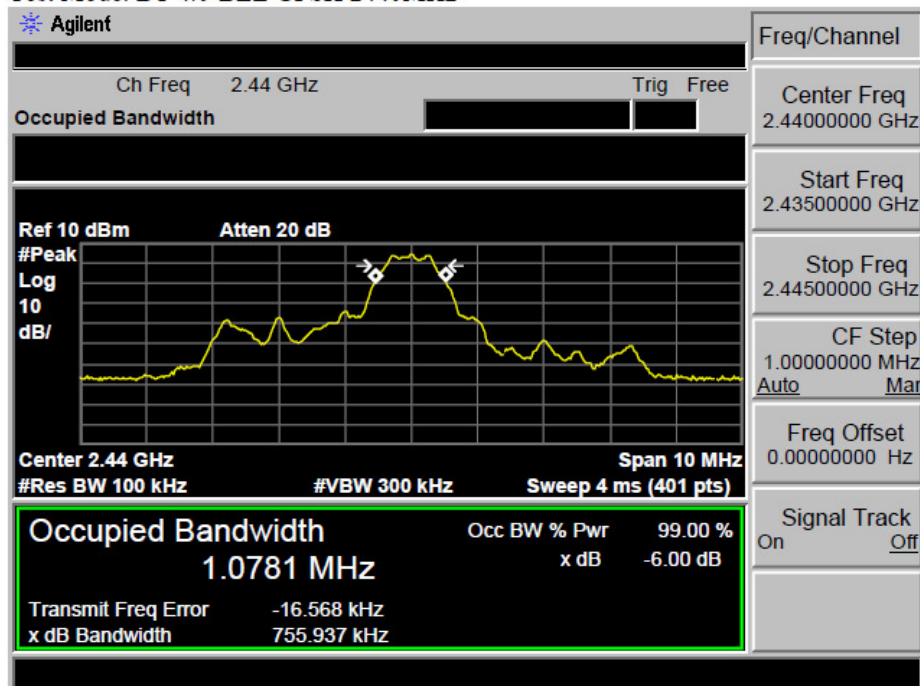
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2. 6dB Bandwidth and 99% Bandwidth

Test Mode: BT 4.0-BLE GFSK 2402MHz

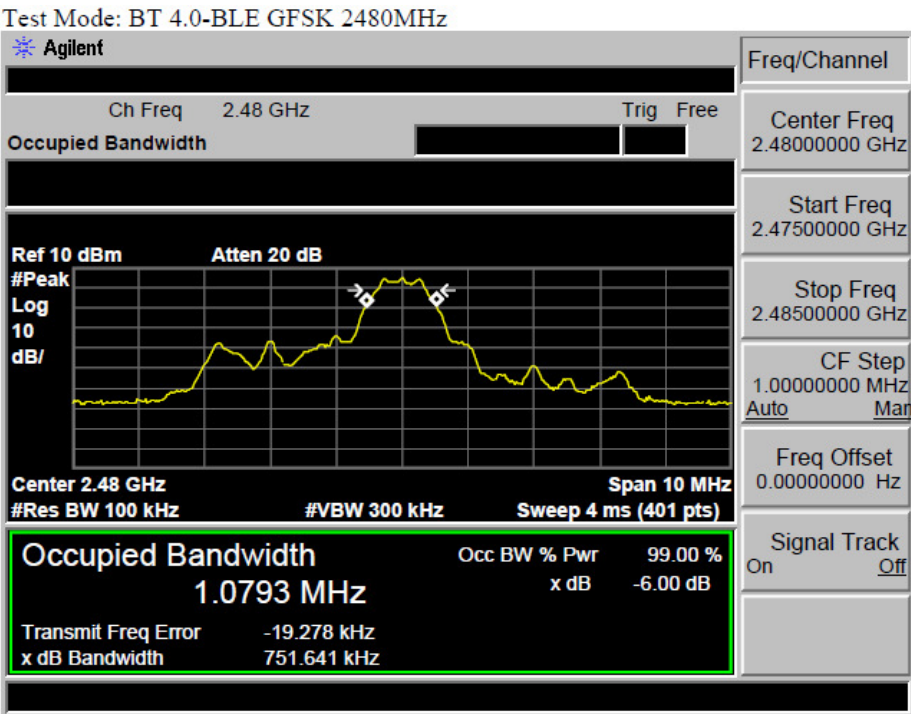


Test Mode: BT 4.0-BLE GFSK 2440MHz



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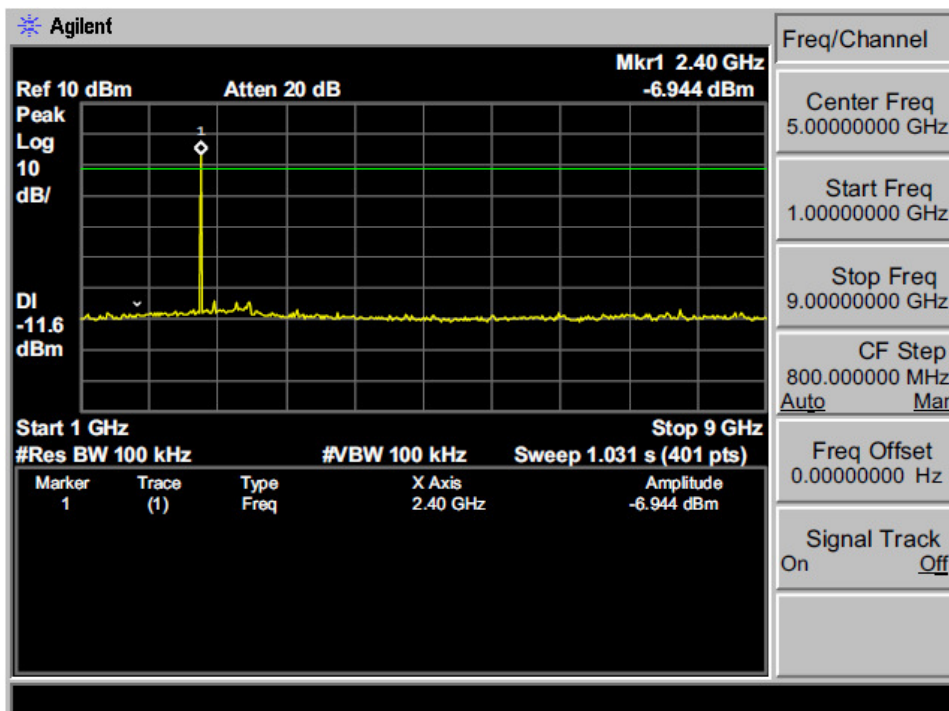
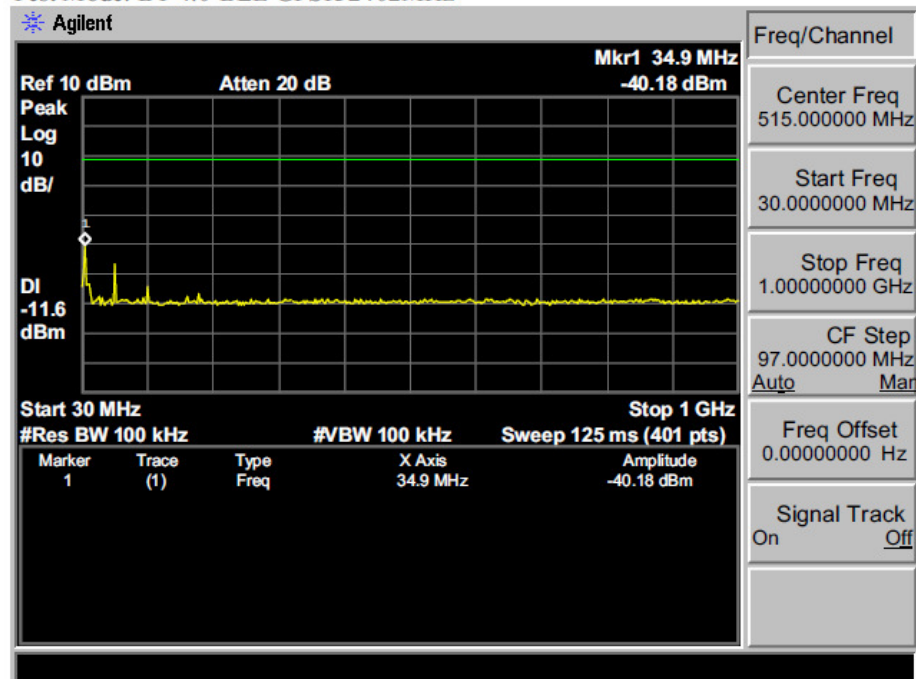
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3. Conducted Spurious Emissions measured in 100kHz Bandwidth

Test Mode: BT 4.0-BLE GFSK 2402MHz



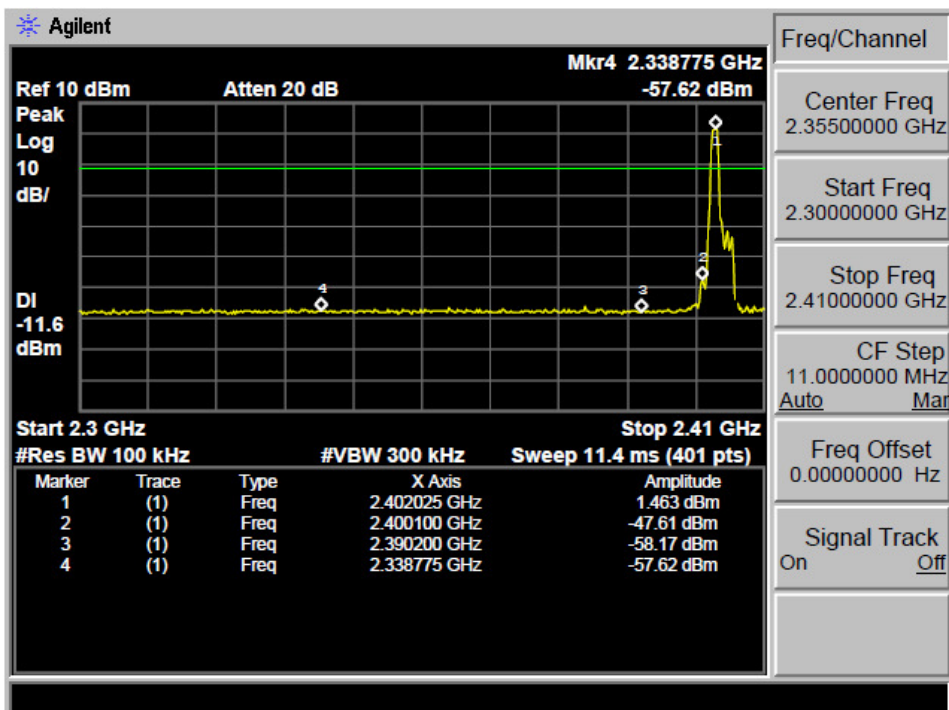
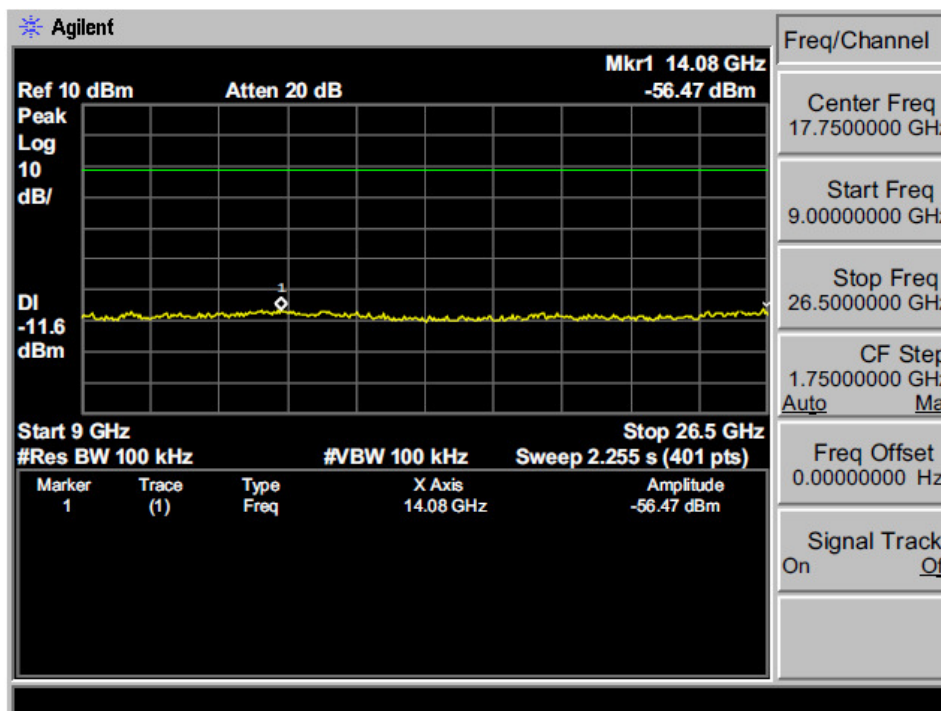
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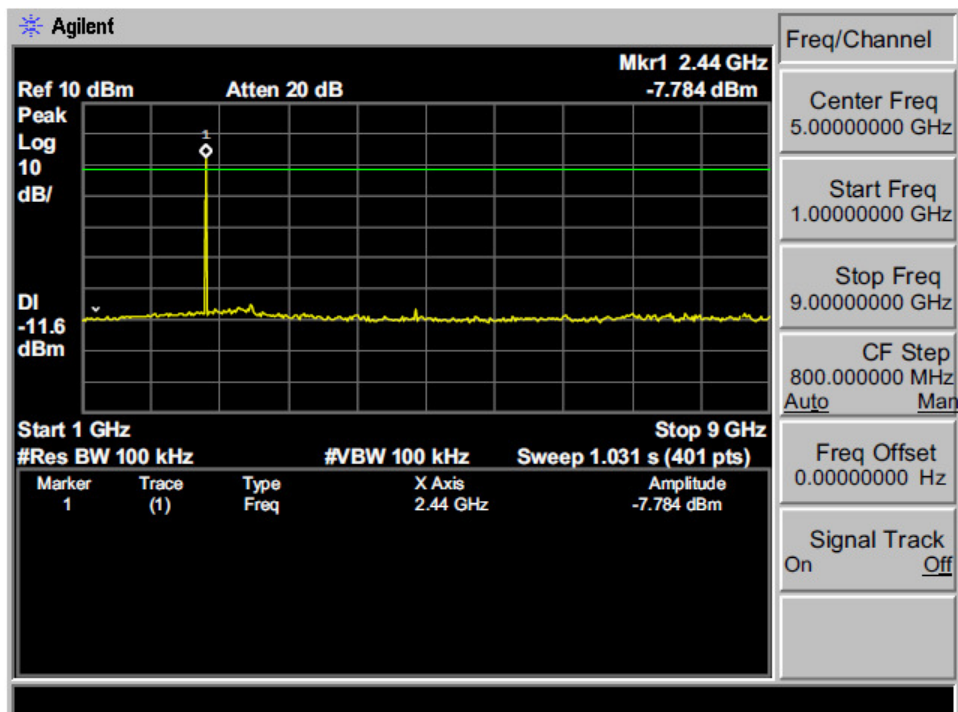
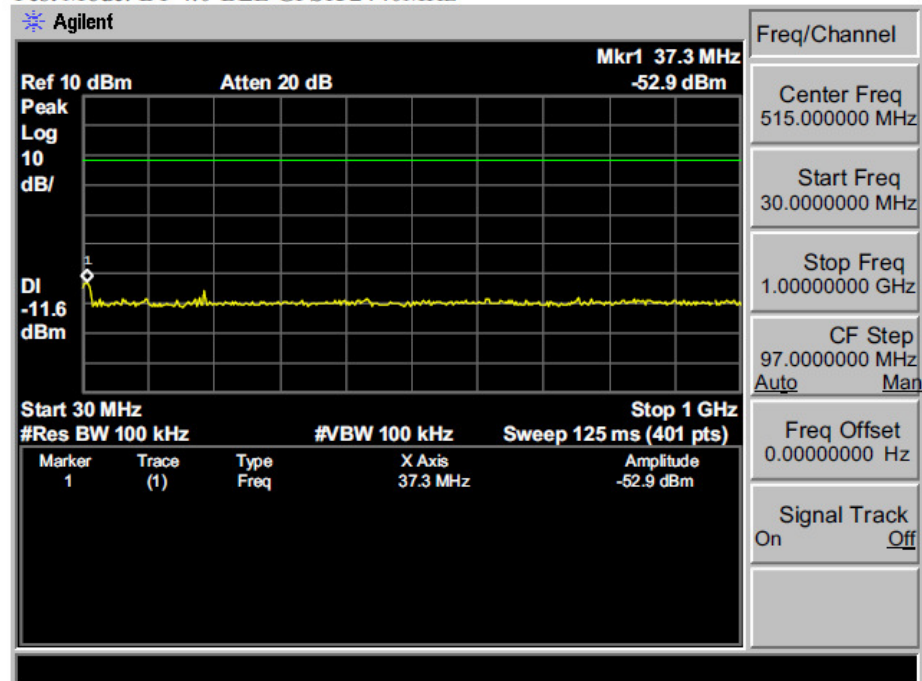
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Test Mode: BT 4.0-BLE GFSK 2440MHz



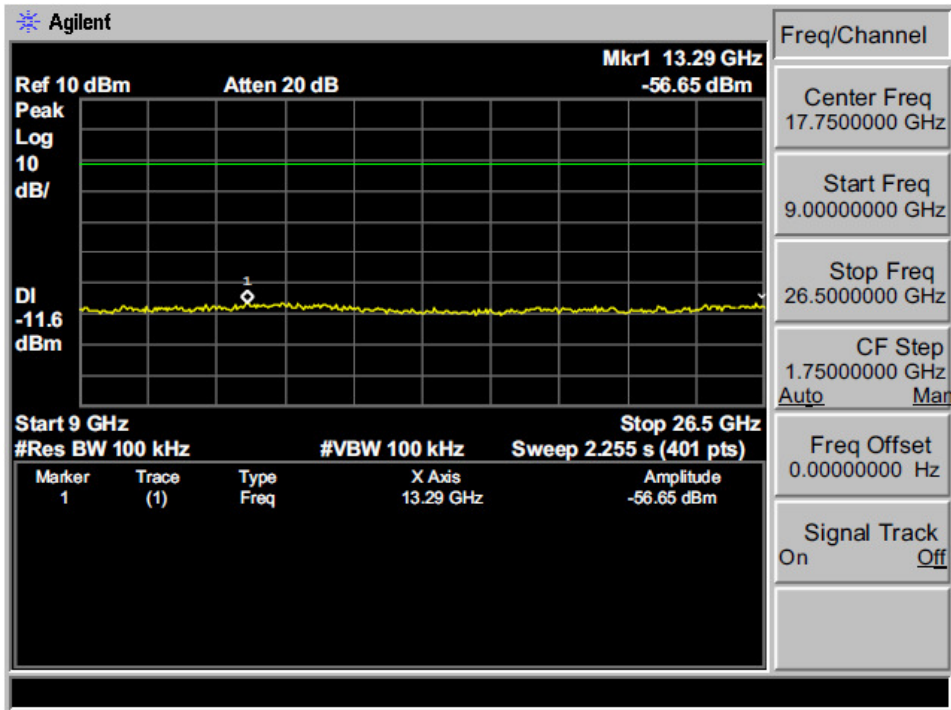
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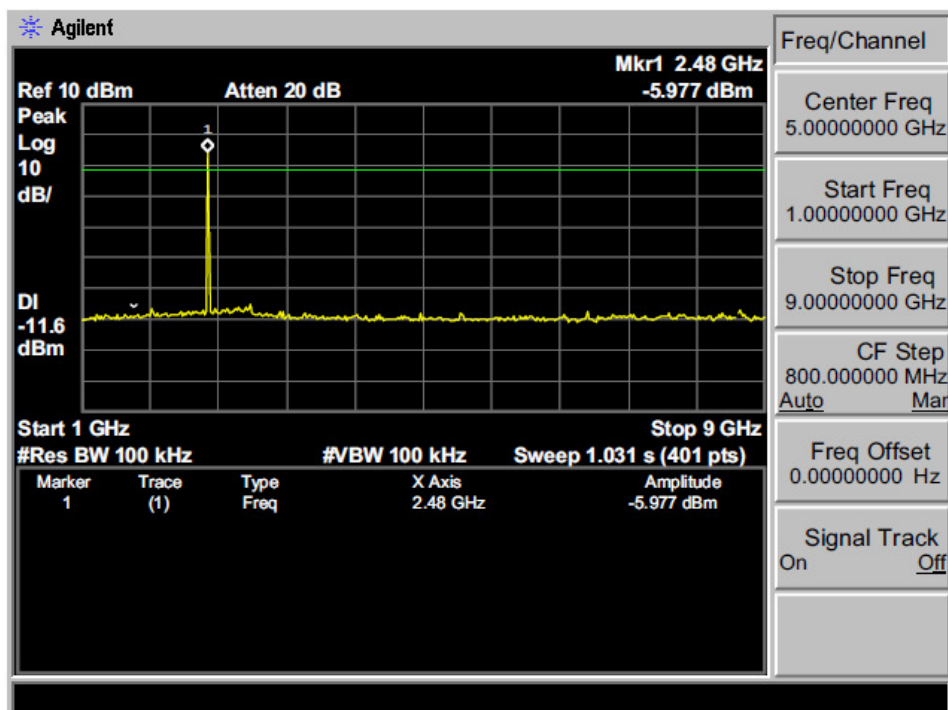
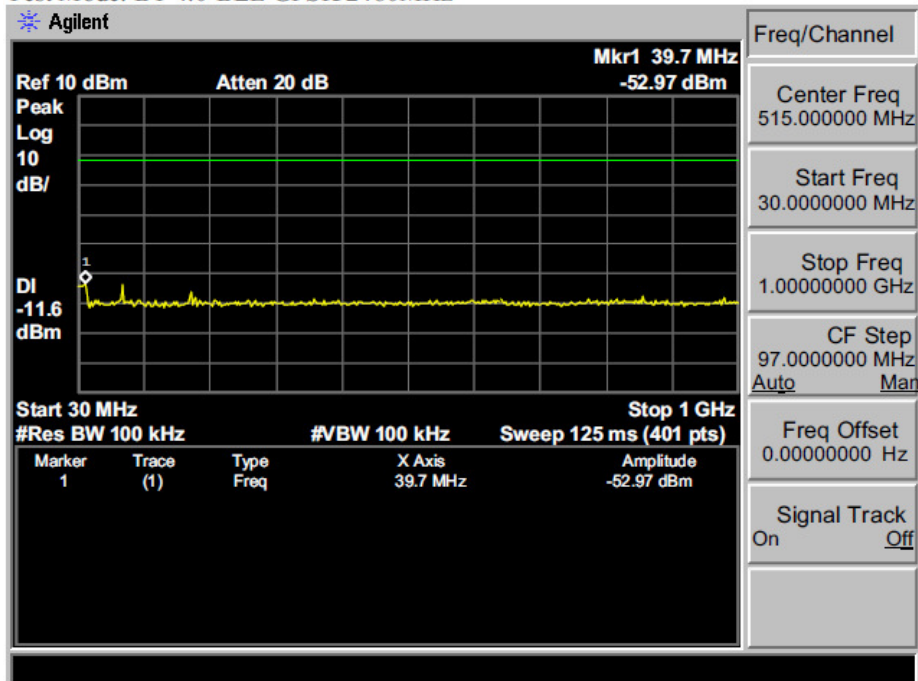
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Test Mode: BT 4.0-BLE GFSK 2480MHz



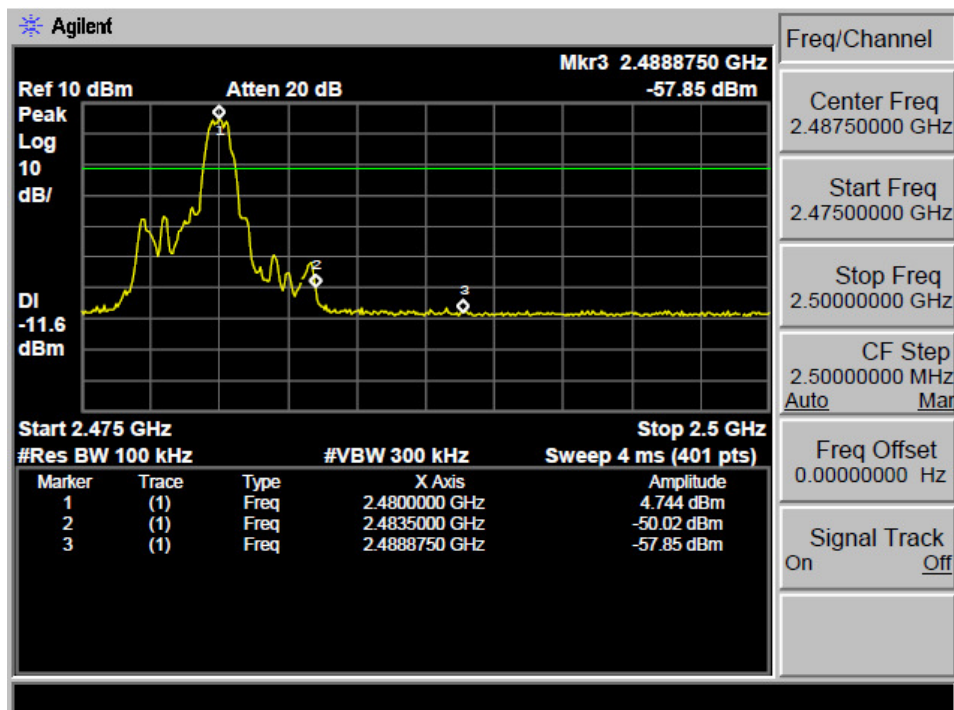
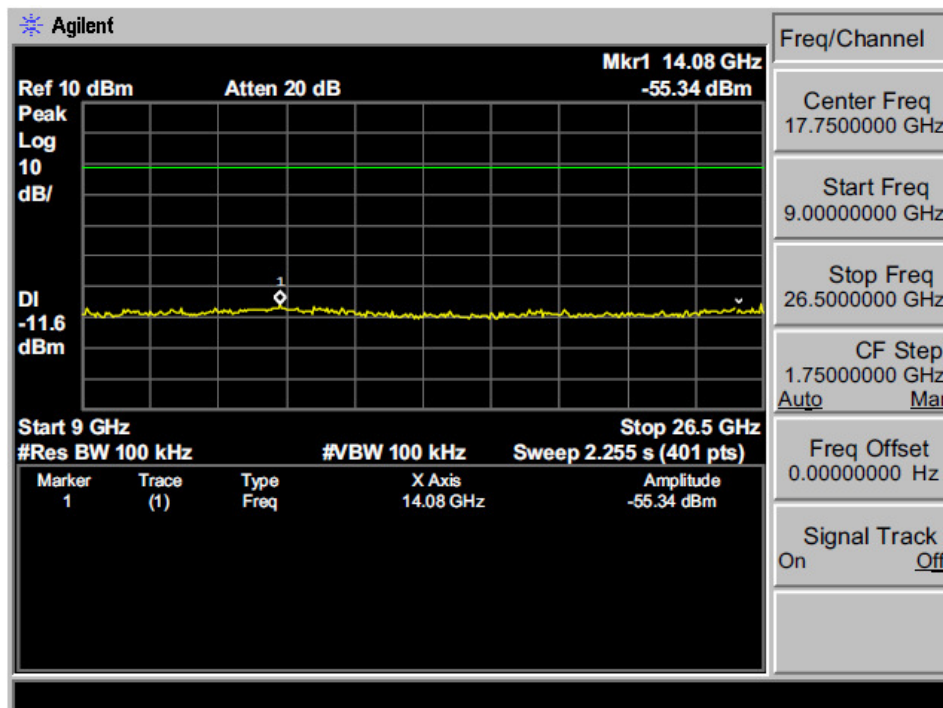
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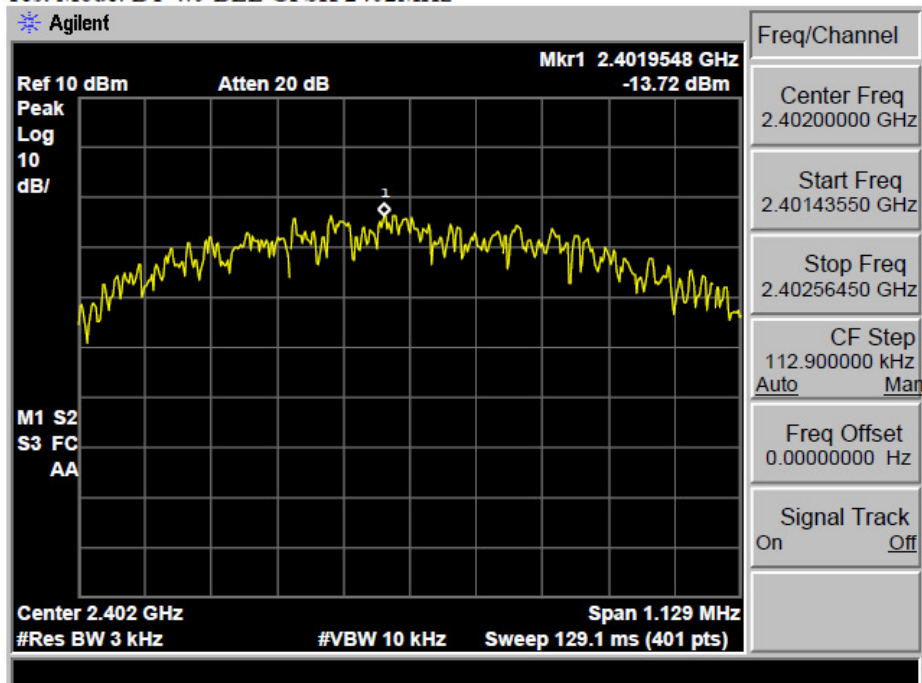
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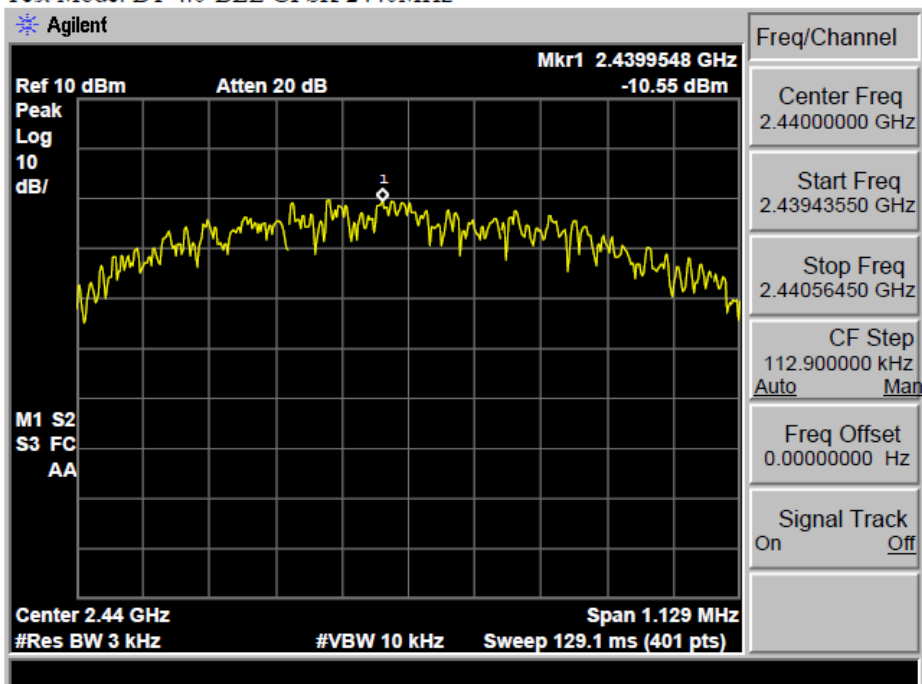
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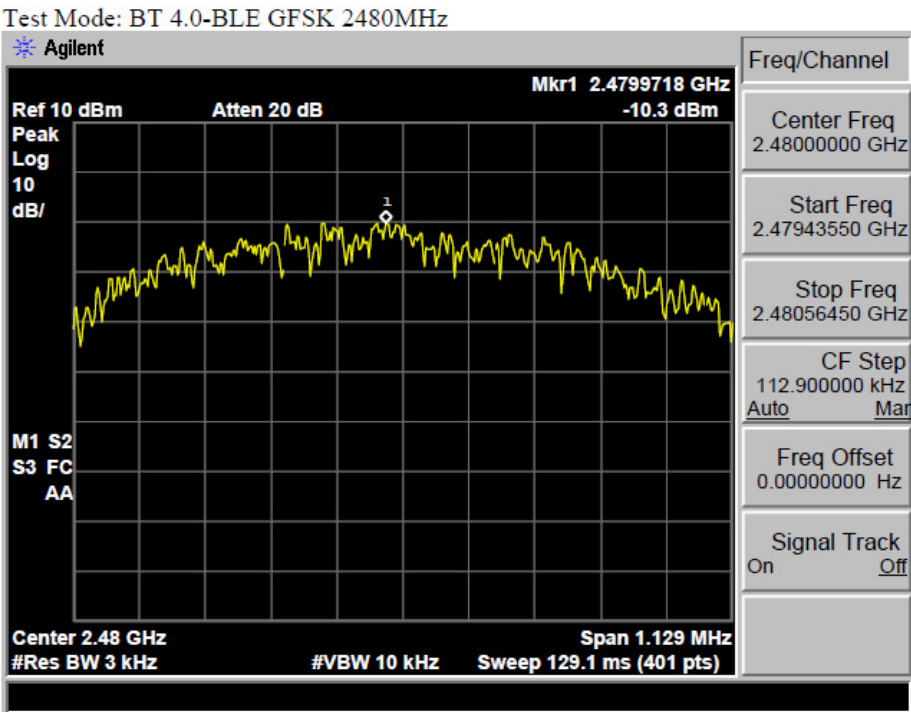
4. Power spectral density

Test Mode: BT 4.0-BLE GFSK 2402MHz



Test Mode: BT 4.0-BLE GFSK 2440MHz





Prüfbericht - Nr.:

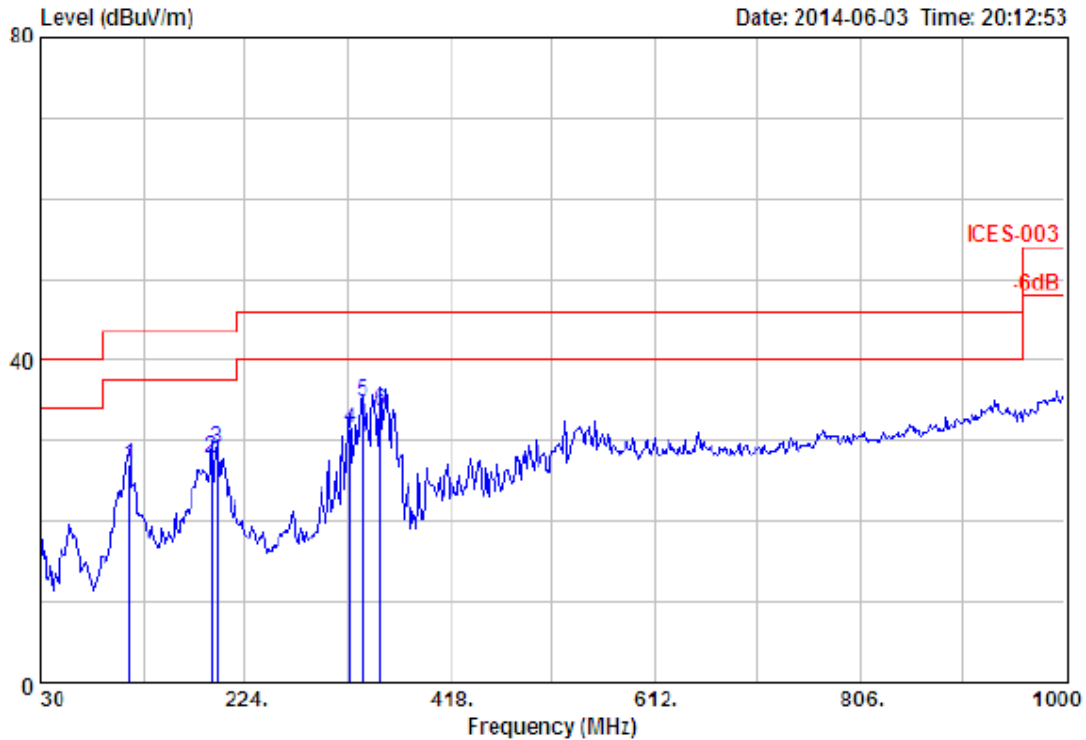
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5. Radaited Spurious Emission



Site no. : 3m Chamber Data no. : 843
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : ICES-003
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2402MHz

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	114.39	10.85	3.26	12.77	26.88	43.50	16.62	QP
2	191.99	7.85	4.22	15.75	27.82	43.50	15.68	QP
3	196.84	7.72	4.26	17.08	29.06	43.50	14.44	QP
4	322.94	13.65	5.41	12.28	31.34	46.00	14.66	QP
5	334.58	13.99	5.52	15.18	34.69	46.00	11.31	QP
6	352.04	14.47	5.69	13.40	33.56	46.00	12.44	QP

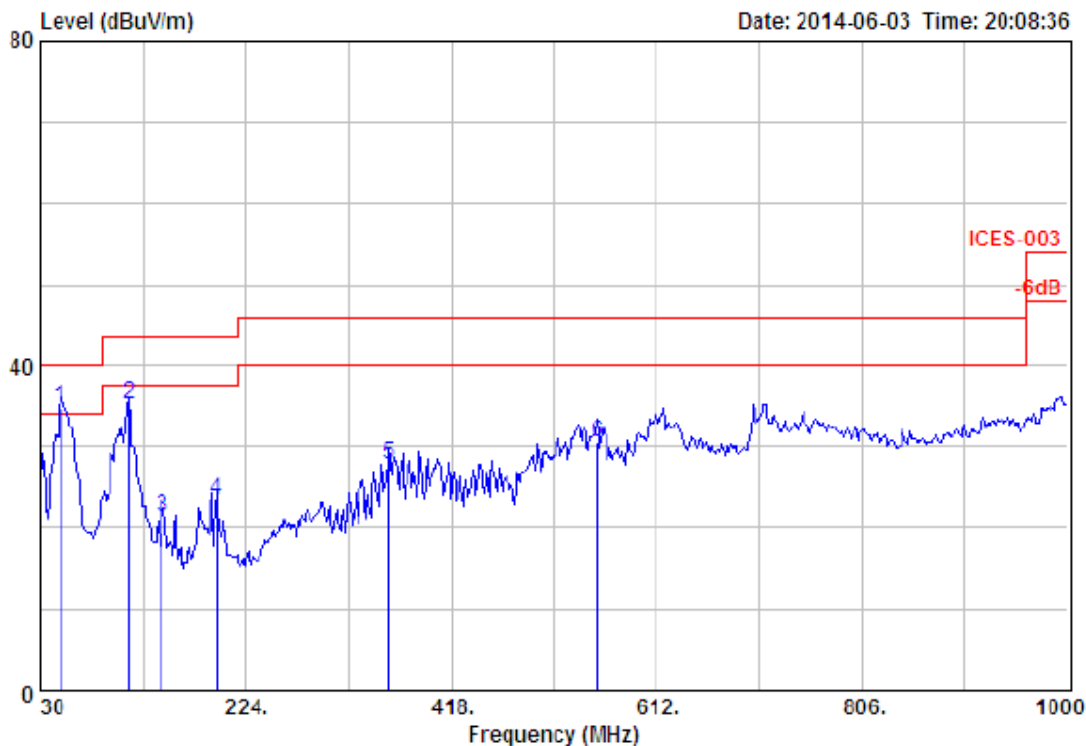
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Site no.	: 3m Chamber	Data no.	: 842
Dis. / Ant.	: 3m 27137	Ant. pol.	: VERTICAL
Limit	: ICES-003		
Env. / Ins.	: Temp:25.6';Humi:56%;Press:101.52kPa		
Engineer	: Tony		
EUT	: Bluetooth Speaker		
Power	: DC 15V From Adapter Input AC 120V/60Hz		
M/N	: BeoPlay A2		
Test Mode	: GFSK TX 2402MHz		

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Level				
1	48.43	8.37	2.30	24.04	34.71	40.00	5.29	QP
2	114.39	10.85	3.26	20.99	35.10	43.50	8.40	QP
3	145.43	11.22	3.73	6.38	21.33	43.50	22.17	QP
4	196.84	7.72	4.26	11.47	23.45	43.50	20.05	QP
5	358.83	14.45	5.73	7.65	27.83	46.00	18.17	QP
6	555.74	19.61	7.08	3.77	30.46	46.00	15.54	QP

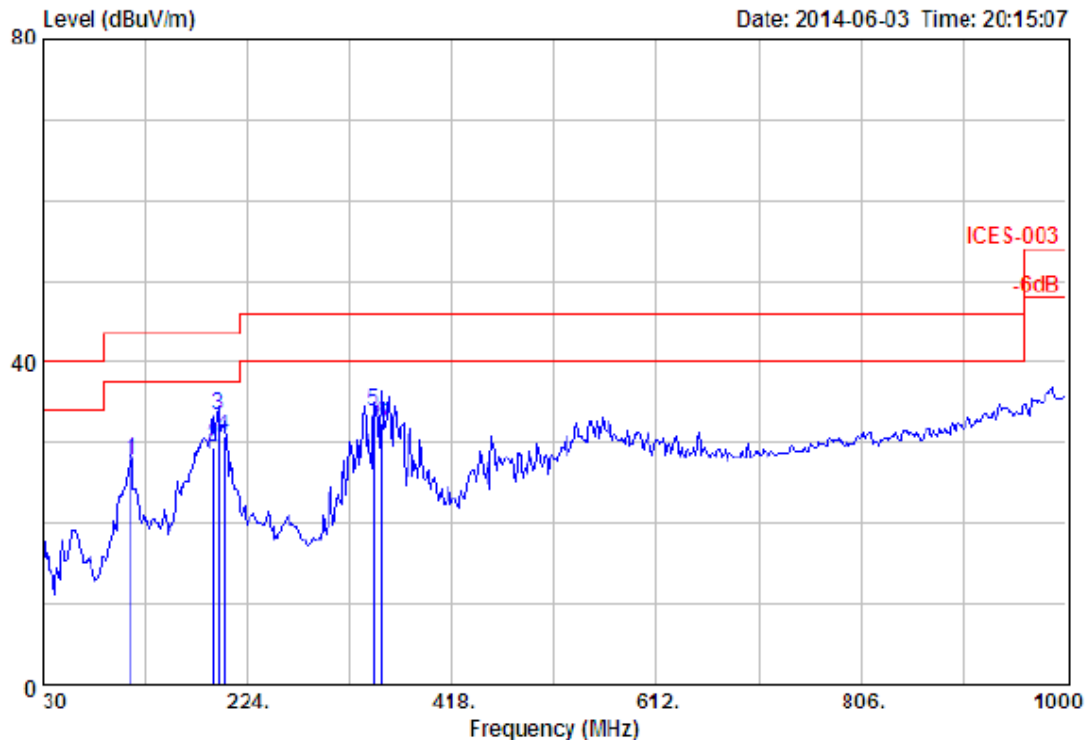
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Site no. : 3m Chamber Data no. : 844
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : ICES-003
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2440MHz

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	114.39	10.85	3.26	13.72	27.83	43.50	15.67	QP
2	191.99	7.85	4.22	17.24	29.31	43.50	14.19	QP
3	196.84	7.72	4.26	21.50	33.48	43.50	10.02	QP
4	202.66	7.83	4.29	18.52	30.64	43.50	12.86	QP
5	344.28	14.28	5.63	14.07	33.98	46.00	12.02	QP
6	352.04	14.47	5.69	12.17	32.33	46.00	13.67	QP

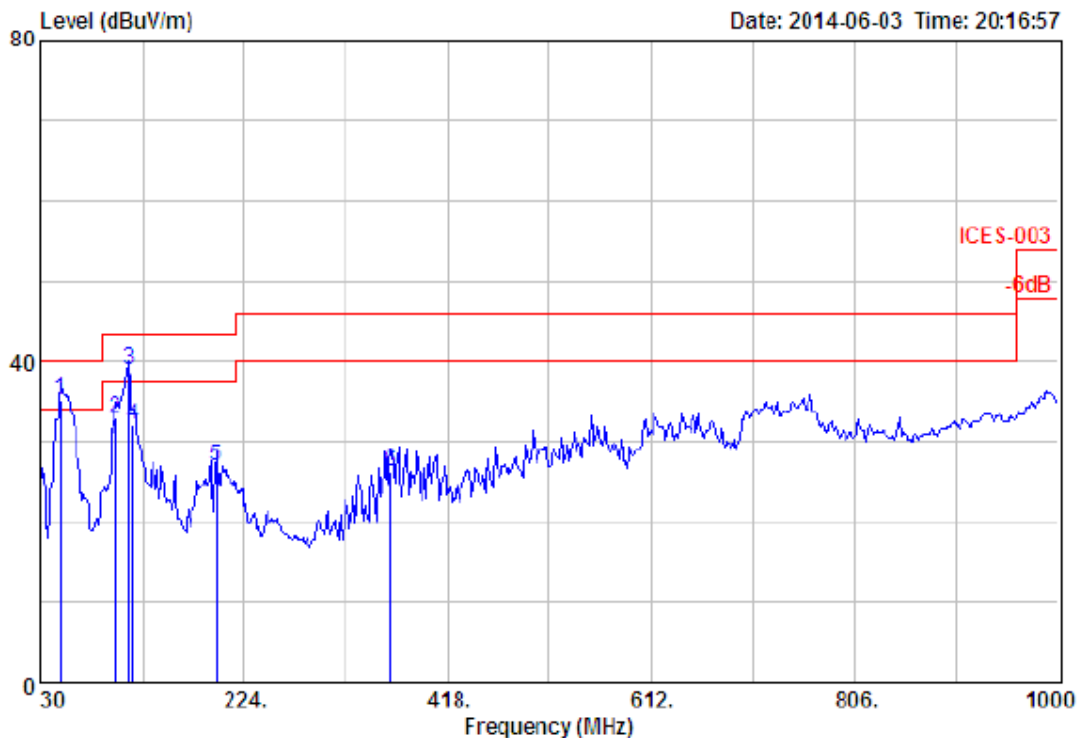
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Site no. : 3m Chamber Data no. : 845
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : ICES-003
Env. / Ins. : Temp:25.6°;Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Bluetooth Speaker
Power : DC 15V From Adapter Input AC 120V/60Hz
M/N : BeoPlay A2
Test Mode : GFSK TX 2440MHz

	Ant.	Cable	Emission					
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	48.43	8.37	2.30	24.58	35.25	40.00	4.75	QP
2	101.78	9.65	3.07	20.23	32.95	43.50	10.55	QP
3	114.39	10.85	3.26	24.90	39.01	43.50	4.49	QP
4	117.30	11.02	3.32	17.80	32.14	43.50	11.36	QP
5	196.84	7.72	4.26	15.08	27.06	43.50	16.44	QP
6	363.68	14.61	5.72	5.95	26.28	46.00	19.72	QP

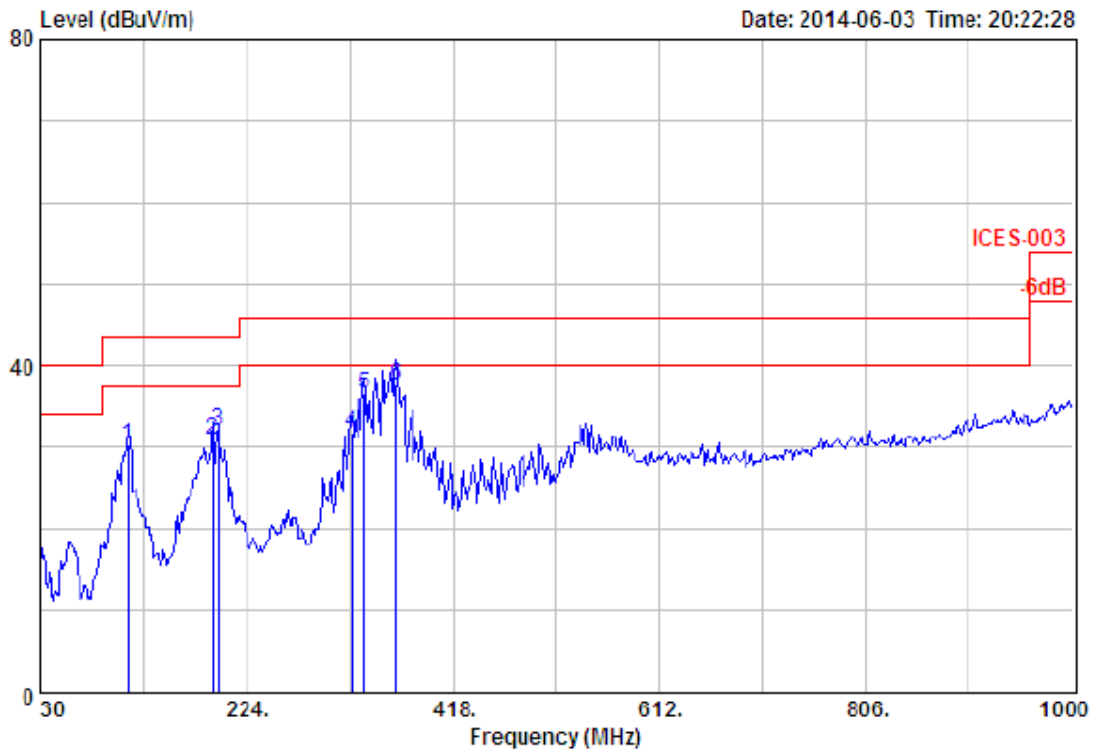
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Site no. : 3m Chamber Data no. : 847
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : ICES-003
 Env. / Ins. : Temp:25.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2480MHz

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	111.48	10.60	3.22	16.46	30.28	43.50	13.22	QP
2	191.99	7.85	4.22	18.85	30.92	43.50	12.58	QP
3	196.84	7.72	4.26	20.07	32.05	43.50	11.45	QP
4	321.97	13.63	5.39	12.86	31.88	46.00	14.12	QP
5	334.58	13.99	5.52	17.00	36.51	46.00	9.49	QP
6	363.68	14.61	5.72	17.42	37.75	46.00	8.25	QP

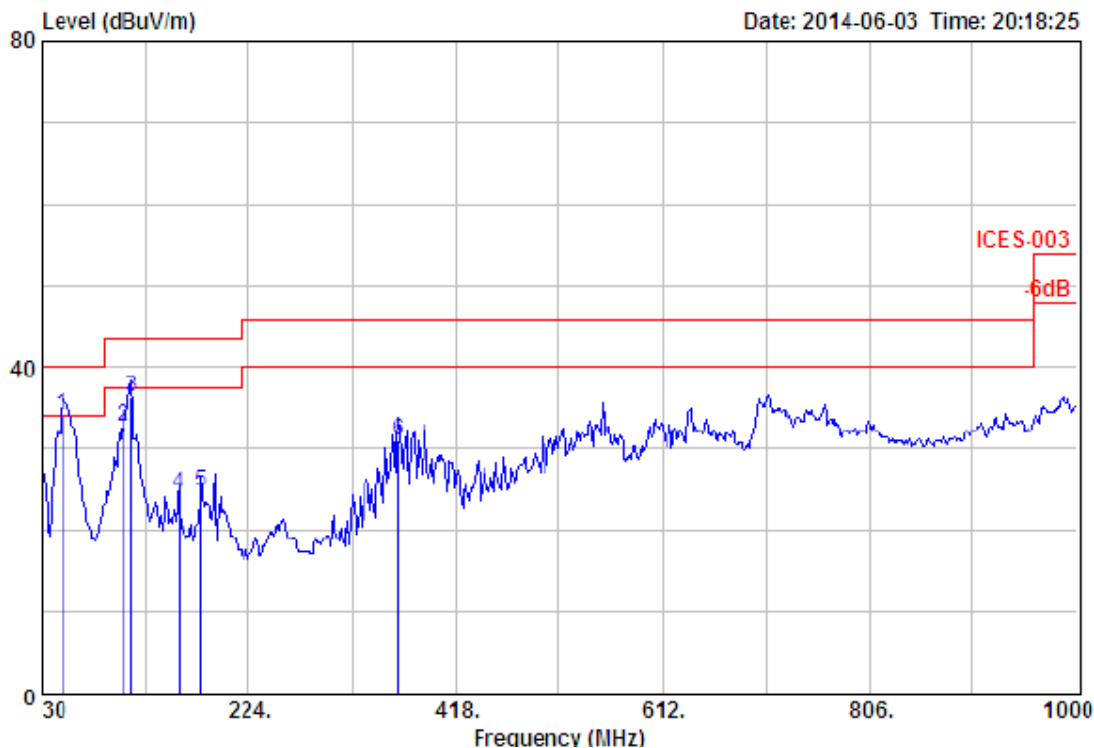
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Site no.	: 3m Chamber	Data no. :	846
Dis. / Ant.	: 3m 27137	Ant. pol. :	VERTICAL
Limit	: ICES-003		
Env. / Ins.	: Temp:25.6°;Humi:56%;Press:101.52kPa		
Engineer	: Tony		
EUT	: Bluetooth Speaker		
Power	: DC 15V From Adapter Input AC 120V/60Hz		
M/N	: BeoPlay A2		
Test Mode	: GFSK TX 2480MHz		

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
					Level (dBuV/m)	Limits (dBuV/m)		
1	48.43	8.37	2.30	23.34	34.01	40.00	5.99	QP
2	106.63	10.15	3.15	19.46	32.76	43.50	10.74	QP
3	114.39	10.85	3.26	22.29	36.40	43.50	7.10	QP
4	158.04	10.48	3.87	10.12	24.47	43.50	19.03	QP
5	179.38	8.96	4.11	11.59	24.66	43.50	18.84	QP
6	363.68	14.61	5.72	10.55	30.88	46.00	15.12	QP

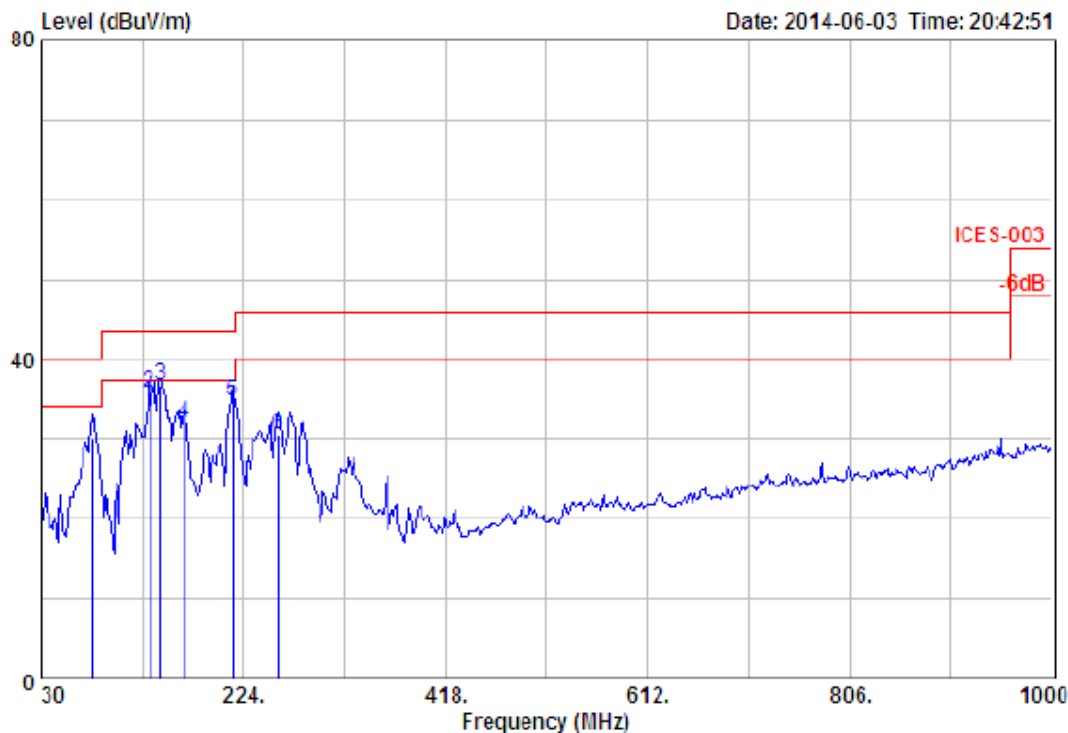
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Site no. : 3m Chamber Data no. : 848
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : ICES-003
Env. / Ins. : Temp:25.6°;Hum1:56%;Press:101.52kPa
Engineer : Tony
EUT : Bluetooth Speaker
Power : DC 15V From Adapter Input AC 120V/60Hz
M/N : BeoPlay A2
Test Mode : RX Mode

	Freq.	Ant.	Cable	Reading	Emission	Limits	Margin	Remark
	(MHz)	Factor	Loss	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	80.44	7.07	1.25	21.78	30.10	40.00	9.90	QP
2	133.79	11.36	1.56	23.05	35.97	43.50	7.53	QP
3	145.43	11.22	1.53	23.93	36.68	43.50	6.82	QP
4	167.74	9.43	1.71	20.93	32.07	43.50	11.43	QP
5	214.30	8.65	1.96	24.09	34.70	43.50	8.80	QP
6	256.98	12.63	2.17	15.68	30.48	46.00	15.52	QP

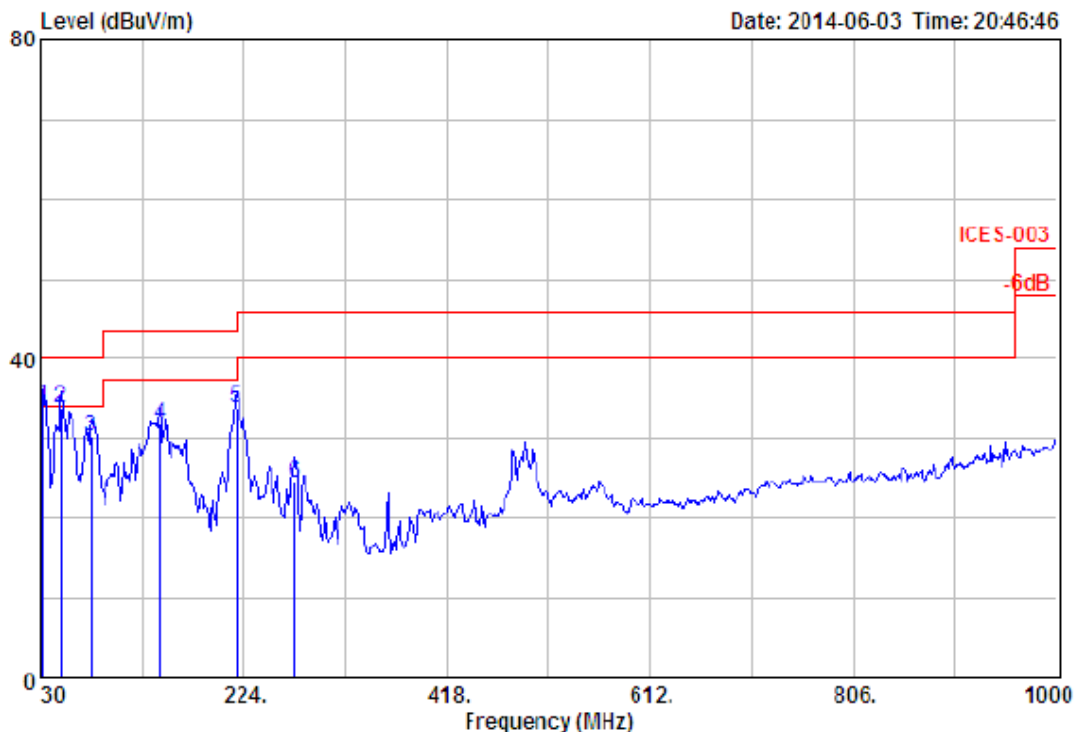
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Site no. : 3m Chamber Data no. : 849
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : ICES-003
Env. / Ins. : Temp:25.6°;Hum:56%;Press:101.52kPa
Engineer : Tony
EUT : Bluetooth Speaker
Power : DC 15V From Adapter Input AC 120V/60Hz
M/N : BeoPlay A2
Test Mode : RX Mode

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	31.94	17.14	0.69	16.29	34.12	40.00	5.88	QP
2	48.43	8.37	0.98	24.59	33.94	40.00	6.06	QP
3	77.53	6.80	1.20	22.40	30.40	40.00	9.60	QP
4	143.49	11.29	1.55	19.06	31.90	43.50	11.60	QP
5	216.24	8.80	1.95	23.02	33.77	46.00	12.23	QP
6	271.53	12.49	2.29	9.83	24.61	46.00	21.39	QP

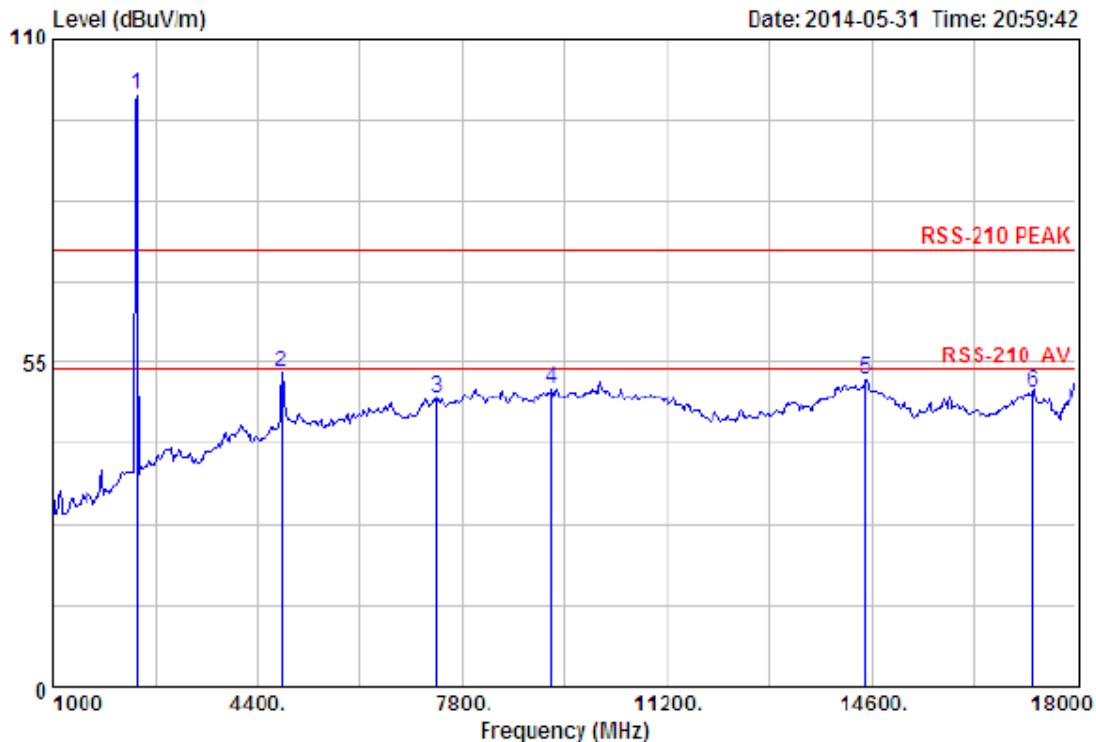
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Site no. : 3m Chamber Data no. : 815
 Dis. / Ant. : 3m ANI 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2402MHz

		Ant.	Cable	Amp		Emission			
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2402.00	27.61	6.62	34.18	100.60	100.65	74.00	-26.65	Peak
2	4804.00	31.25	11.77	31.81	42.19	53.40	74.00	20.60	Peak
3	7358.00	36.56	11.58	31.99	32.77	48.92	74.00	25.08	Peak
4	9279.00	37.89	11.60	32.21	33.27	50.55	74.00	23.45	Peak
5	14498.00	41.88	10.93	33.08	32.38	52.11	74.00	21.89	Peak
6	17286.00	40.78	10.88	33.87	32.21	50.00	74.00	24.00	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

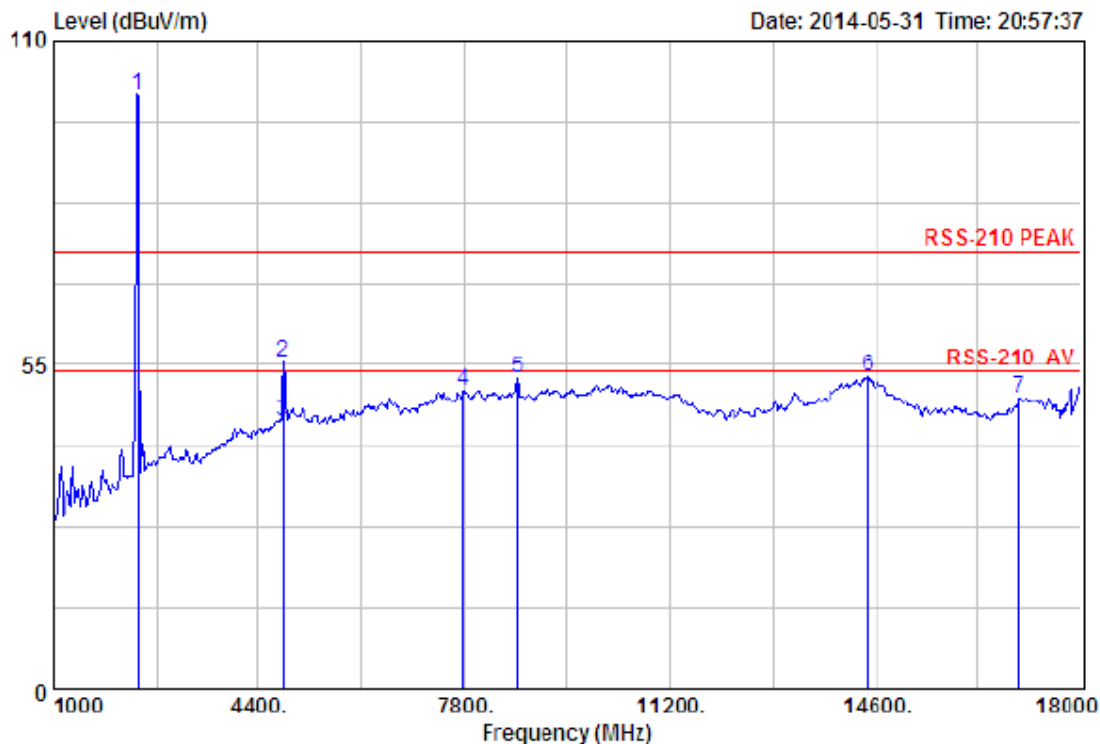
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Site no. : 3m Chamber Data no. : 814
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2402MHz

	Ant.	Cable	Amp		Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	27.61	6.62	34.18	100.83	100.88	74.00	-26.88	Peak	
2	31.25	11.77	31.81	44.22	55.43	74.00	18.57	Peak	
3	31.25	11.77	0.00	2.44	45.46	54.00	8.54	Average	
4	36.59	11.50	31.45	34.01	50.65	74.00	23.35	Peak	
5	37.32	11.45	32.43	36.34	52.68	74.00	21.32	Peak	
6	41.85	10.93	32.96	33.06	52.88	74.00	21.12	Peak	
7	39.64	10.96	33.42	32.20	49.38	74.00	24.62	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

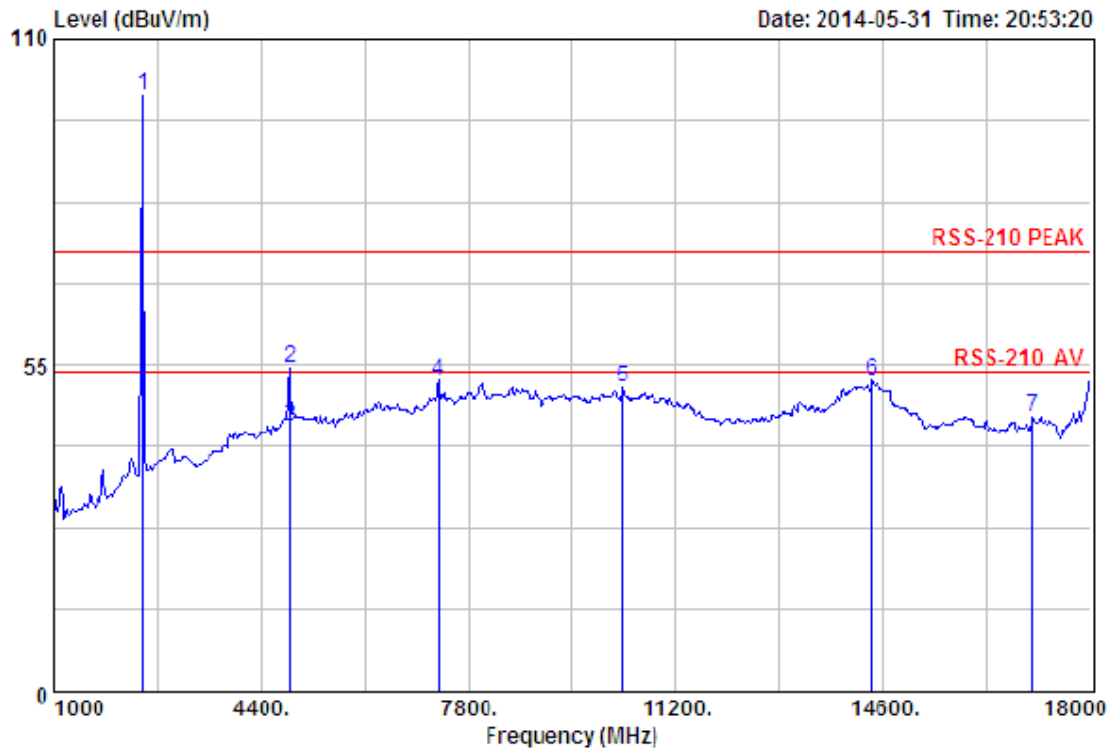
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Site no. : 3m Chamber Data no. : 812
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2440MHz

		Ant.	Cable	Amp	Emission				
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2440.00	27.60	6.67	34.12	100.25	100.40	74.00	-26.40	Peak
2	4880.00	31.37	12.07	31.90	43.00	54.54	74.00	19.46	Peak
3	4880.00	31.37	12.07	0.00	1.18	44.62	54.00	9.38	Average
4	7320.00	36.55	11.57	31.99	36.18	52.31	74.00	21.69	Peak
5	10333.00	38.68	11.40	32.40	33.46	51.14	74.00	22.86	Peak
6	14413.00	41.80	10.92	32.78	32.43	52.37	74.00	21.63	Peak
7	17048.00	39.93	10.97	33.09	28.50	46.31	74.00	27.69	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

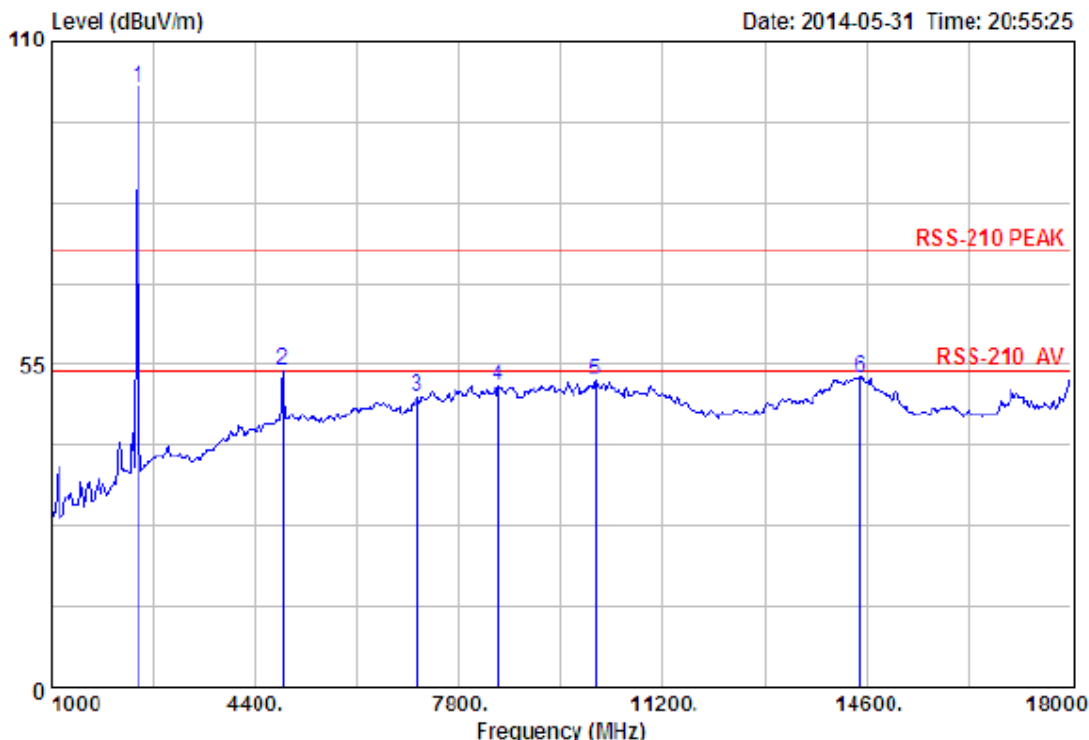
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Site no. : 3m Chamber Data no. : 813
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2440MHz

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2440.00	27.60	6.67	34.12	101.79	101.94	74.00	-27.94	Peak	
2 4860.00	31.34	11.99	31.88	42.46	53.91	74.00	20.09	Peak	
3 7103.00	35.99	11.51	32.31	34.09	49.28	74.00	24.72	Peak	
4 8463.00	36.87	11.45	31.86	34.81	51.27	74.00	22.73	Peak	
5 10078.00	38.24	11.54	31.92	34.34	52.20	74.00	21.80	Peak	
6 14498.00	41.88	10.93	33.08	32.89	52.62	74.00	21.38	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

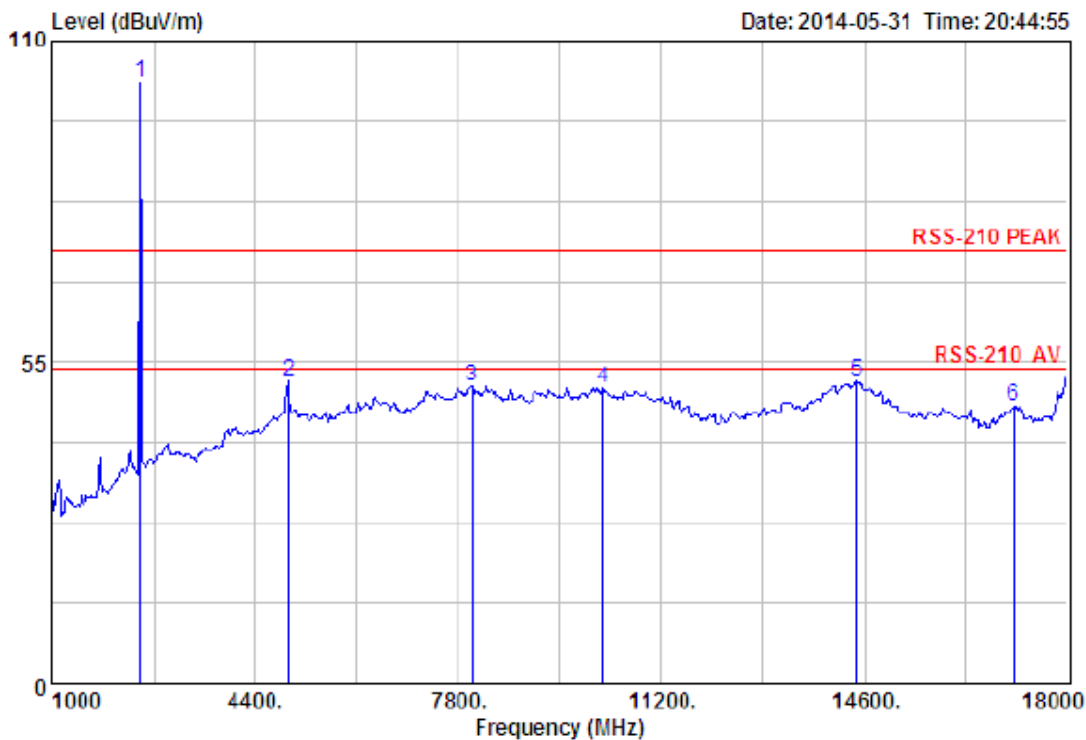
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Site no. : 3m Chamber Data no. : 808
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2480MHz

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2480.00	27.58	6.71	34.03	102.66	102.92	74.00	-28.92 Peak	
2	4960.00	31.49	12.44	31.97	39.90	51.86	74.00	22.14 Peak	
3	8038.00	36.95	11.40	31.28	33.79	50.86	74.00	23.14 Peak	
4	10214.00	38.48	11.47	32.17	32.81	50.59	74.00	23.41 Peak	
5	14464.00	41.85	10.93	32.96	31.85	51.67	74.00	22.33 Peak	
6	17099.00	40.13	10.95	32.96	29.30	47.42	74.00	26.58 Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

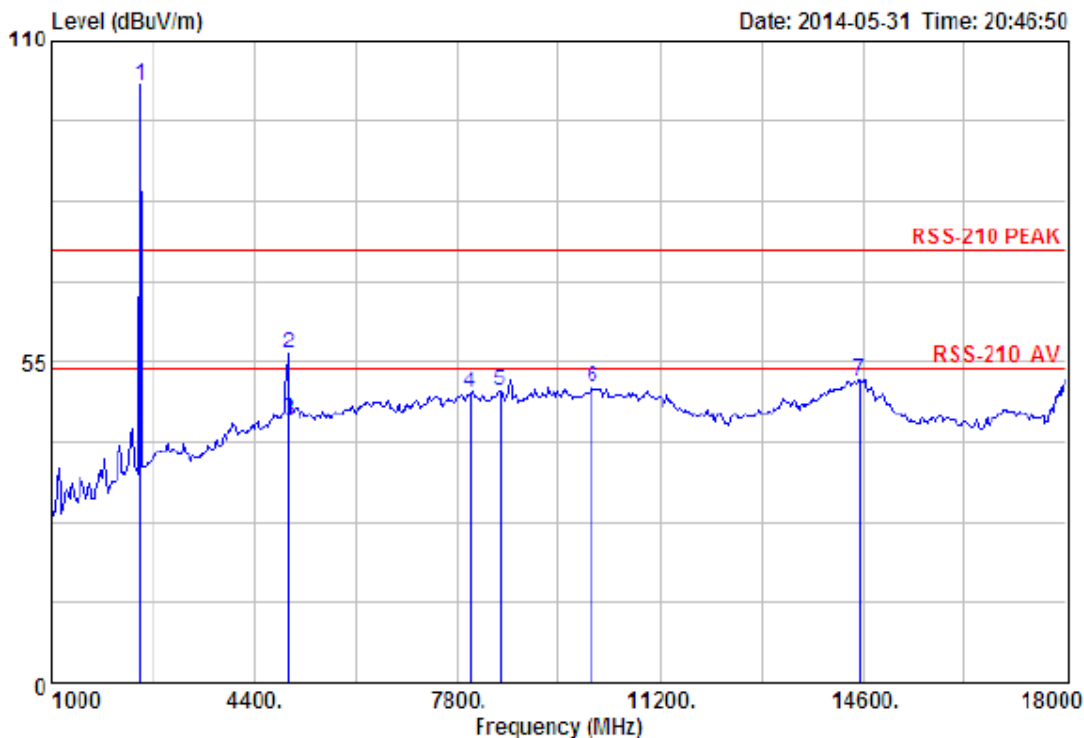
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Site no. : 3m Chamber Data no. : 809
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2480MHz

	Ant.	Cable	Amp		Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2480.00	27.58	6.71	34.03	102.15	102.41	74.00	-28.41	Peak
2	4960.00	31.49	12.44	31.97	44.44	56.40	74.00	17.60	Peak
3	4960.00	31.49	12.44	0.00	0.96	44.89	54.00	9.11	Average
4	8004.00	37.01	11.40	31.22	32.37	49.56	74.00	24.44	Peak
5	8514.00	36.96	11.45	31.91	33.56	50.06	74.00	23.94	Peak
6	10061.00	38.21	11.55	31.89	32.60	50.47	74.00	23.53	Peak
7	14549.00	41.77	10.92	33.26	32.46	51.89	74.00	22.11	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

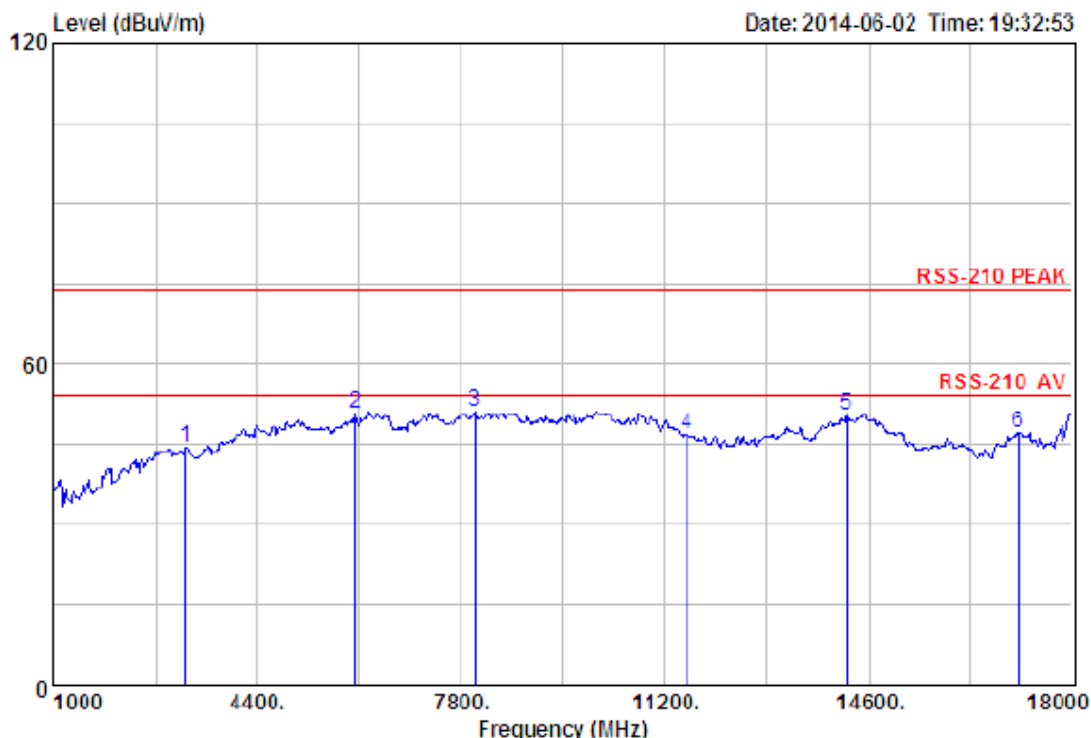
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Site no. : 3m Chamber Data no. : 825
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : RX Mode

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	3193.00	28.23	8.91	33.26	40.62	44.50	29.50	Peak	
2	6049.00	32.88	12.13	32.22	37.90	50.69	23.31	Peak	
3	8038.00	36.95	11.40	31.28	33.91	50.98	23.02	Peak	
4	11574.00	39.12	10.99	34.71	31.27	46.67	27.33	Peak	
5	14243.00	41.67	10.91	33.24	31.09	50.43	23.57	Peak	
6	17099.00	40.13	10.95	32.96	29.11	47.23	26.77	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

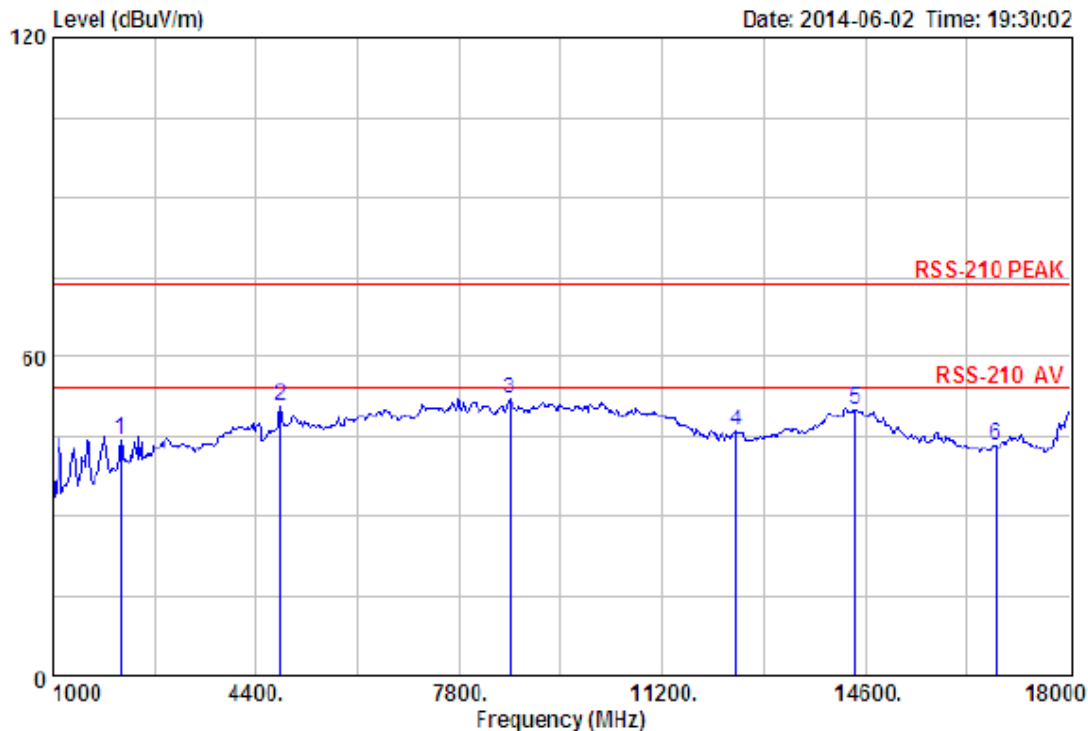
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Site no. : 3m Chamber Data no. : 824
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : RX Mode

		Ant.	Cable	Amp		Emission			
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2139.00	27.41	6.34	34.39	45.20	44.56	74.00	29.44	Peak
2	4808.00	31.25	11.77	31.81	39.47	50.68	74.00	23.32	Peak
3	8633.00	37.24	11.45	32.31	35.68	52.06	74.00	21.94	Peak
4	12424.00	38.74	10.97	35.29	31.72	46.14	74.00	27.86	Peak
5	14413.00	41.80	10.92	32.78	30.29	50.23	74.00	23.77	Peak
6	16759.00	39.03	10.76	34.70	28.52	43.61	74.00	30.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

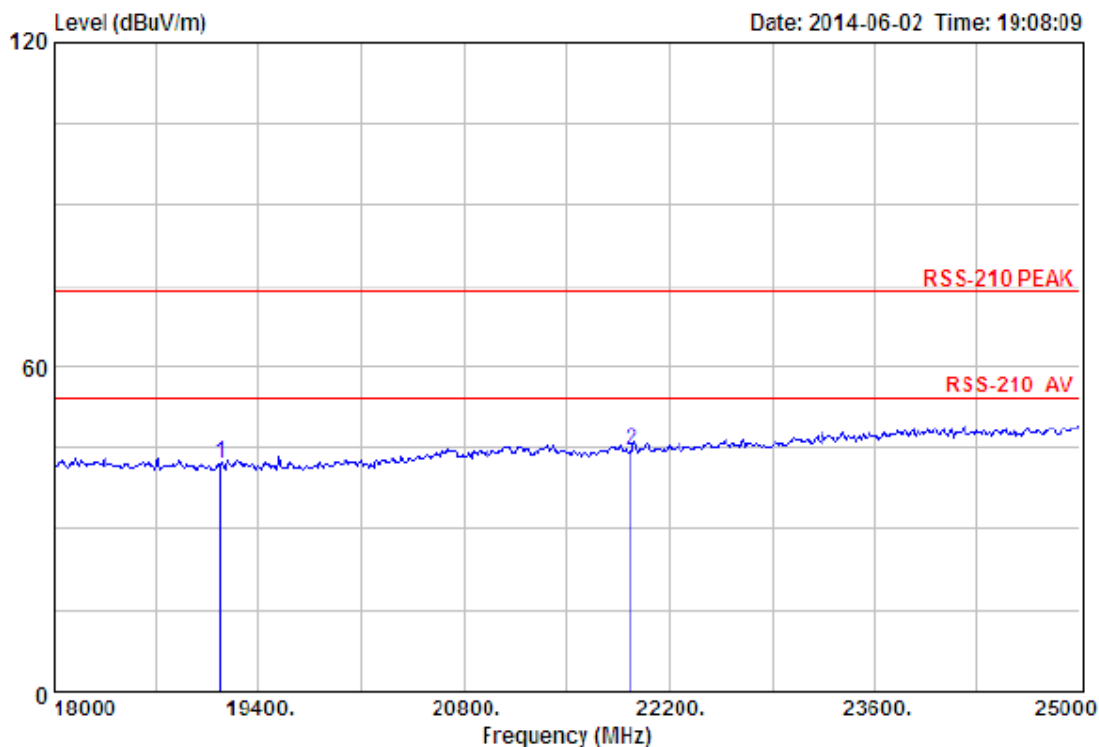
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Site no. : 3m Chamber Data no. : 818
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2402MHz

		Ant.	Cable	Amp		Emission			
	Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	19141.00	45.55	18.70	35.98	13.92	42.19	74.00	31.81	Peak
2	21941.00	45.74	20.54	34.94	13.25	44.59	74.00	29.41	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

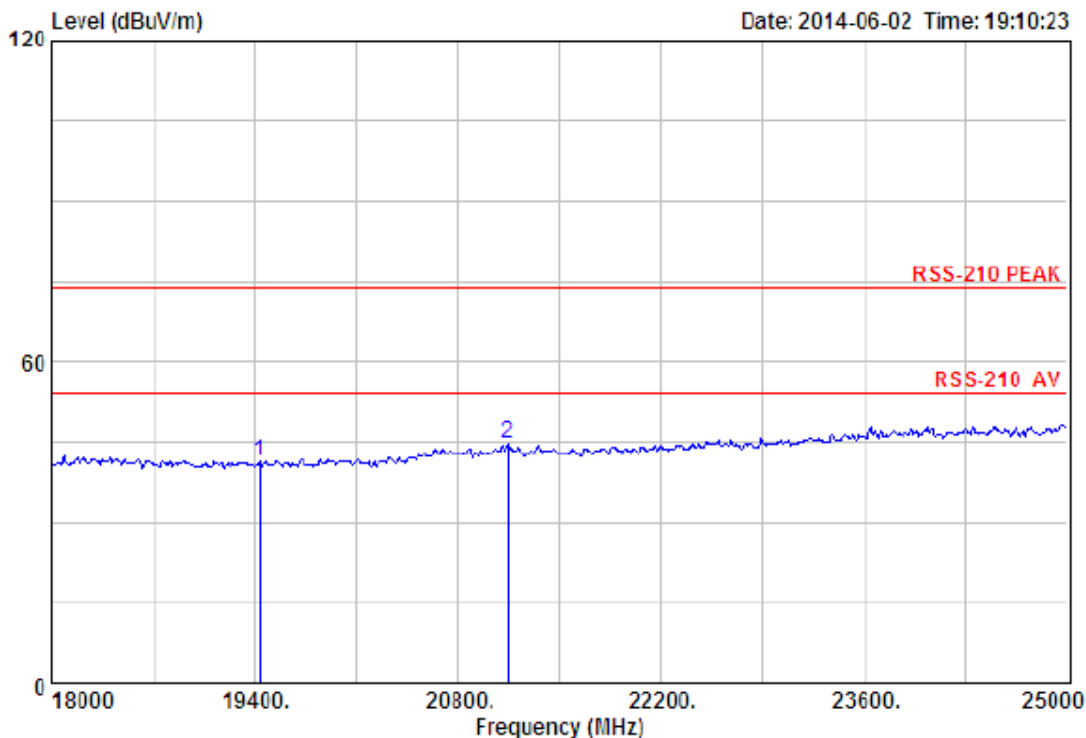
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Site no. : 3m Chamber Data no. : 819
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2402MHz

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 19428.00	45.83	19.03	36.21	12.96	41.61	74.00	32.39	Peak	
2 21143.00	46.21	20.19	35.67	14.00	44.73	74.00	29.27	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

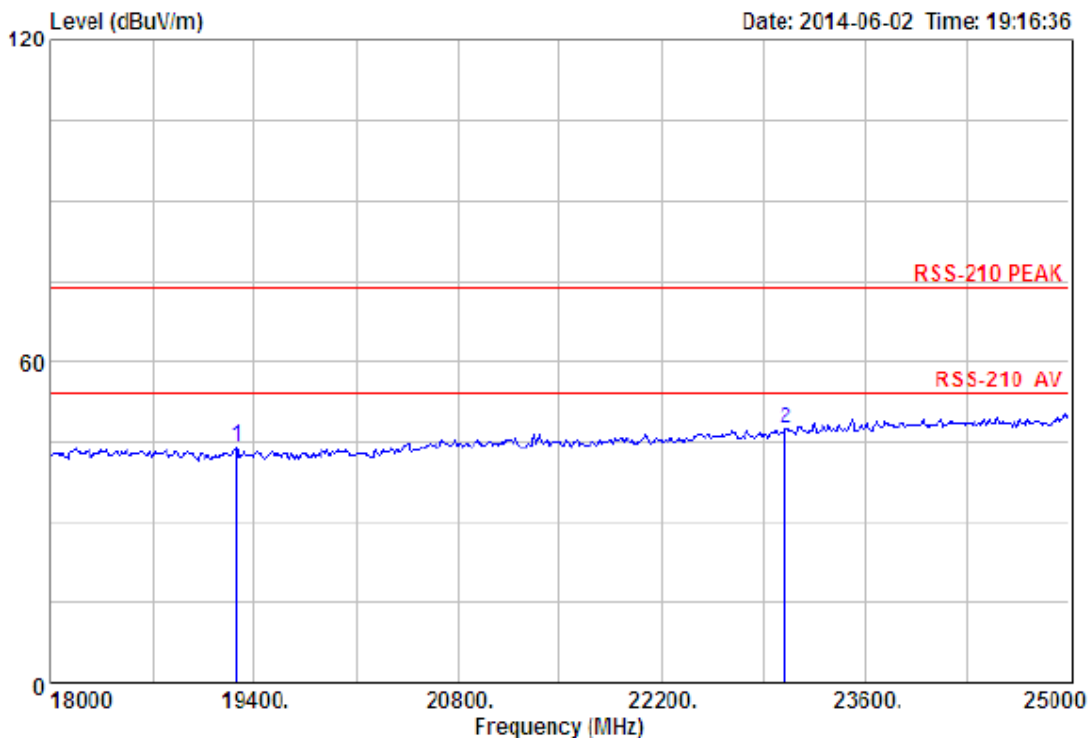
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Site no. : 3m Chamber Data no. : 821
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2440MHz

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	19274.00	45.68	18.86	36.08	15.73	44.19	74.00	29.81	
2	23054.00	45.61	21.20	33.80	14.51	47.52	74.00	26.48	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

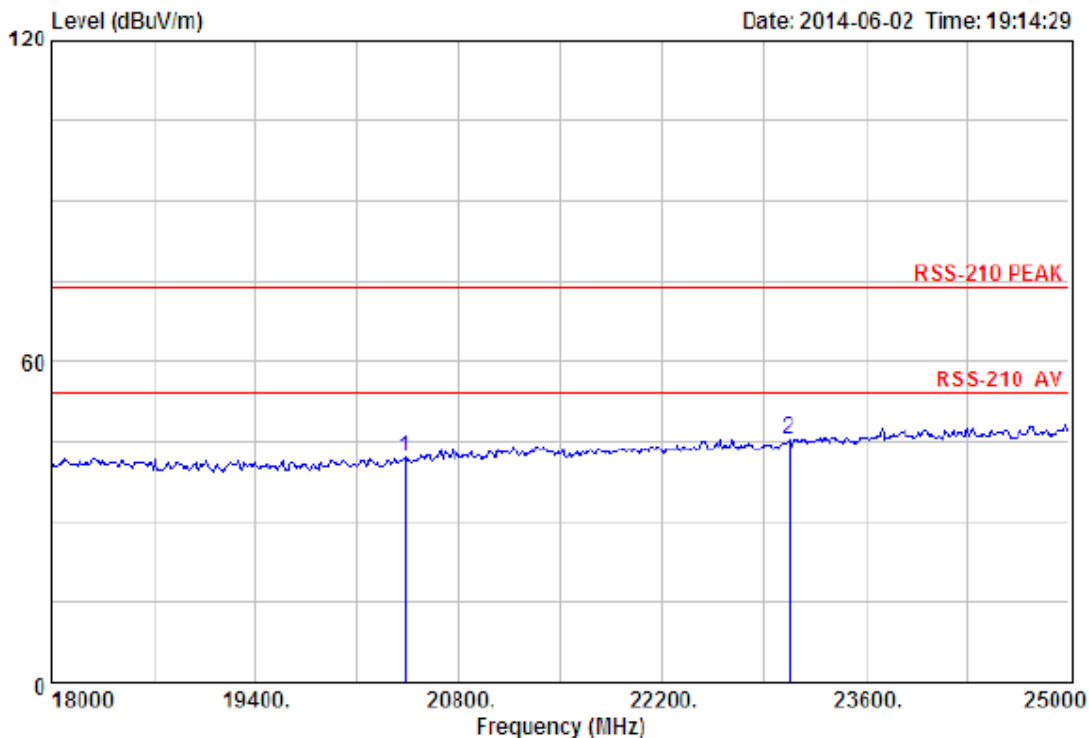
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Site no. : 3m Chamber Data no. : 820
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BecPlay A2
 Test Mode : GFSK TX 2440MHz

	Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 20429.00	46.02	19.87	36.32	12.59	42.16	74.00	31.84	Peak
2 23068.00	45.61	21.21	33.77	12.51	45.56	74.00	28.44	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

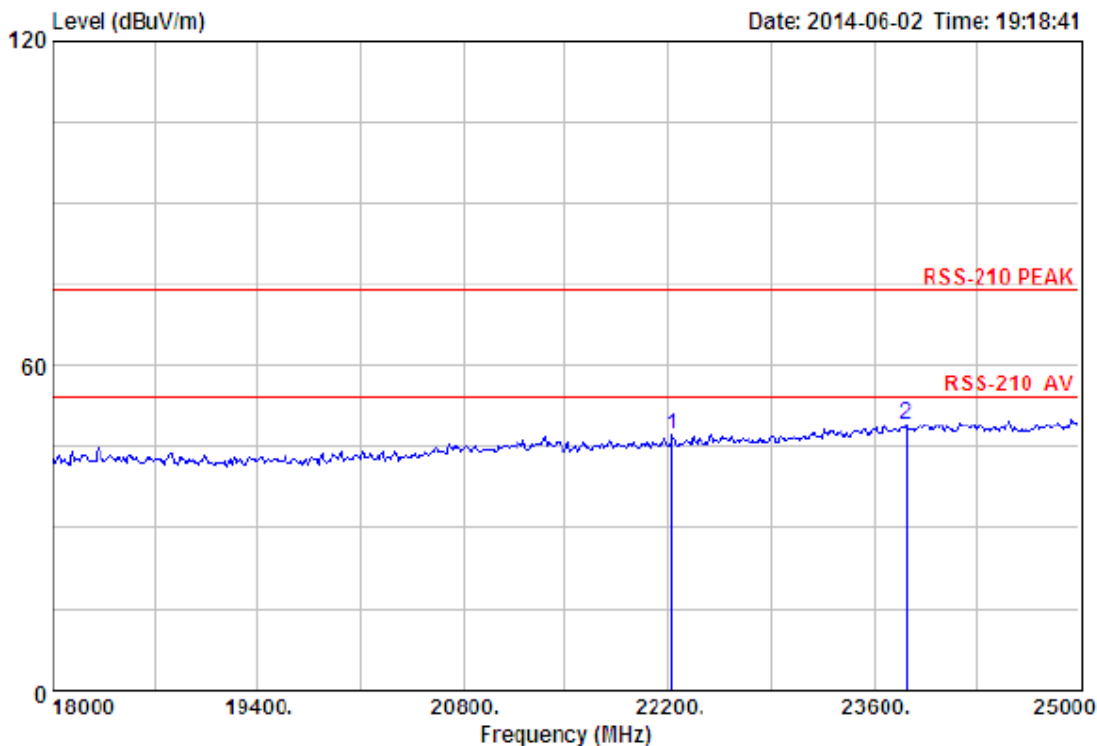
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Site no. : 3m Chamber Data no. : 822
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BecPlay A2
 Test Mode : GFSK TX 2480MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 22228.00	45.74	20.70	34.66	15.41	47.19	74.00	26.81	Peak
2 23824.00	45.63	21.89	32.98	14.62	49.16	74.00	24.84	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

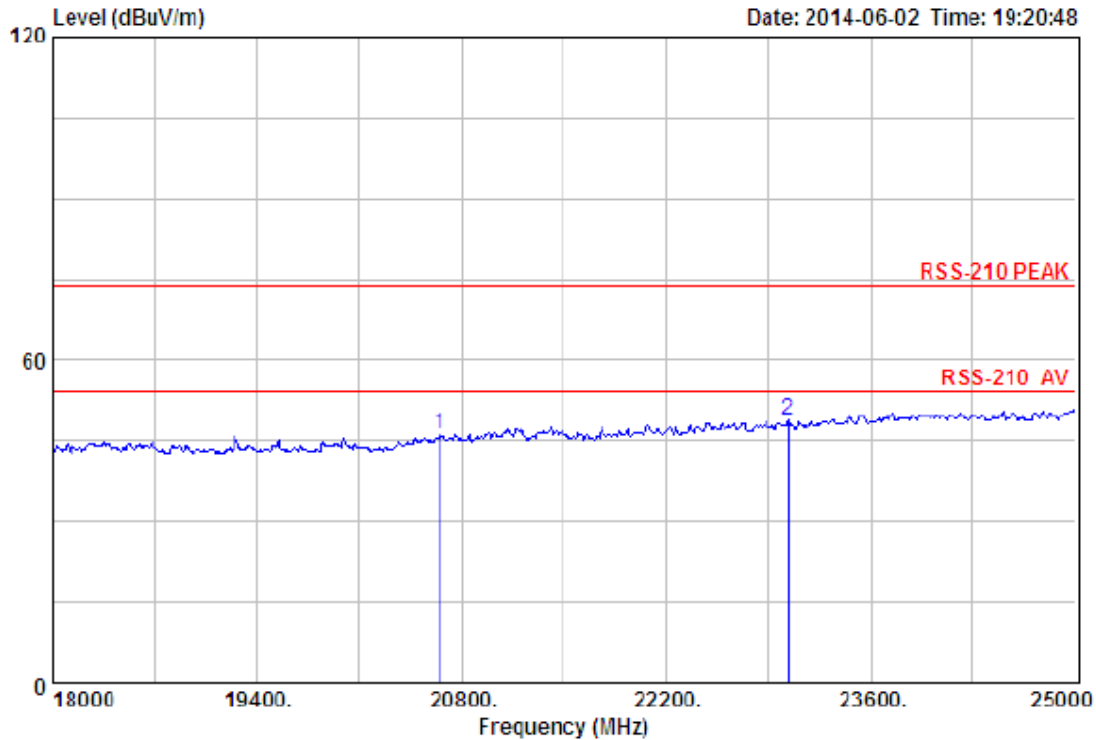
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Site no. : 3m Chamber Data no. : 823
 Dis. / Ant. : 3m ANT ABOVE 10G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2480MHz

		Ant.	Cable	Amp		Emission			
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	20653.00	46.10	19.98	36.12	16.20	46.16	74.00	27.84	Peak
2	23033.00	45.61	21.17	33.82	15.69	48.65	74.00	25.35	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

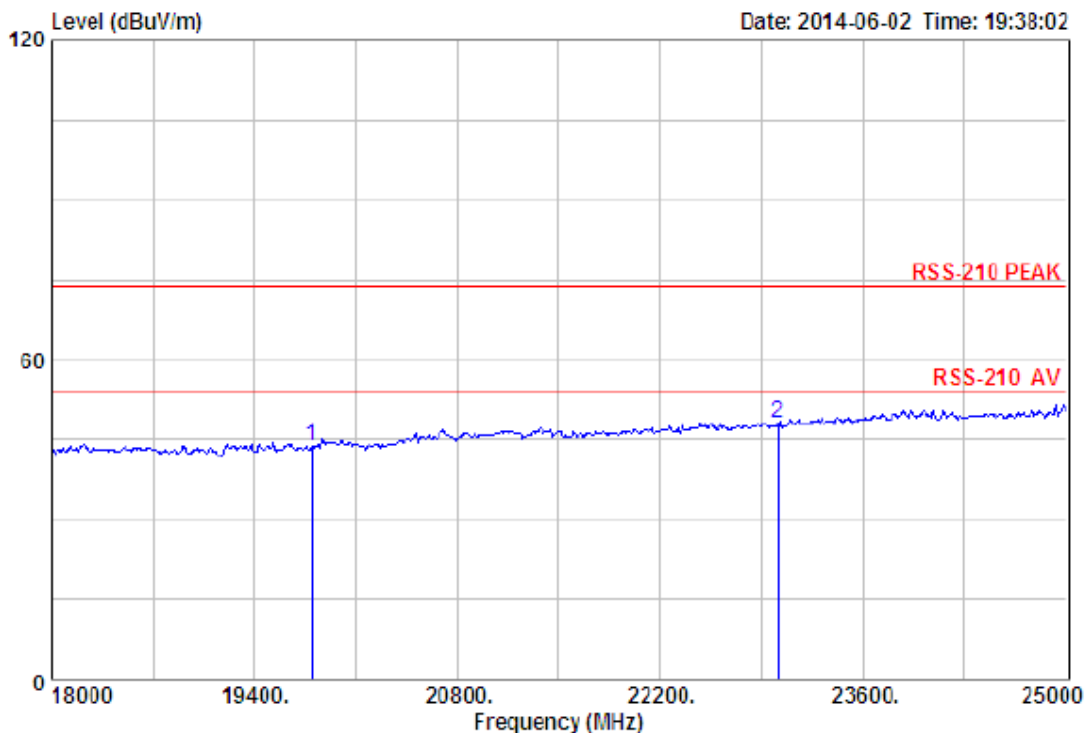
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Site no. : 3m Chamber Data no. : 826
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : RX Mode

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	19799.00	46.02	19.45	36.53	14.83	43.77	74.00	30.23	Peak
2	23012.00	45.60	21.16	33.85	15.23	48.14	74.00	25.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

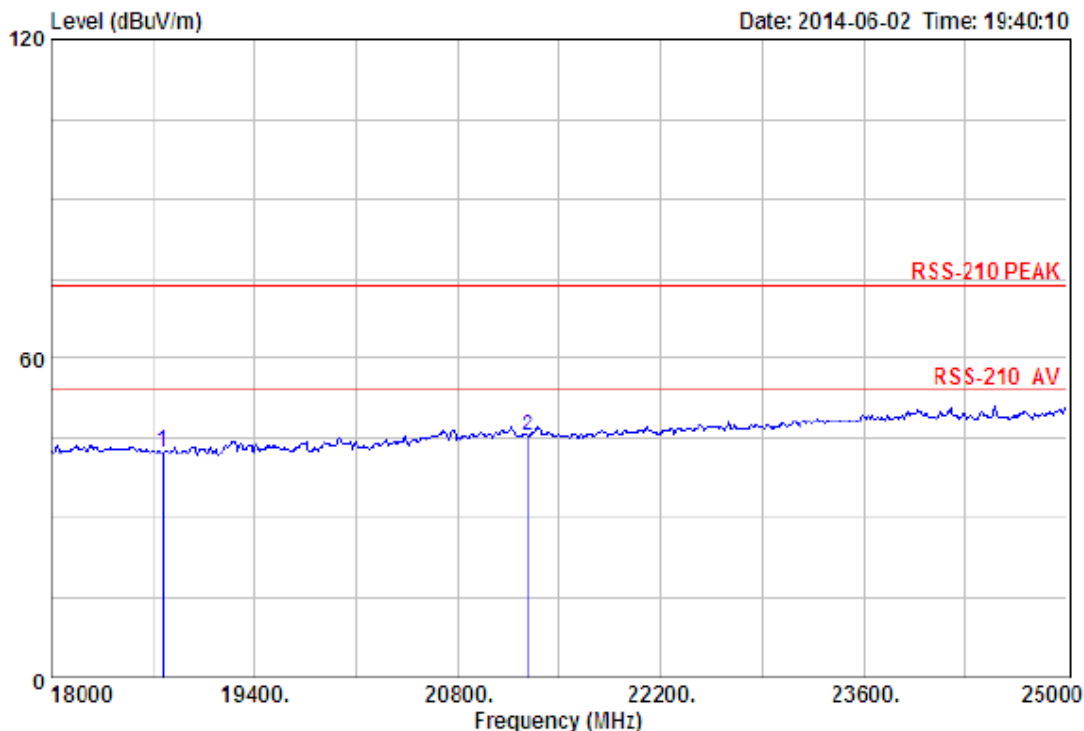
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Site no. : 3m Chamber Data no. : 827
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : RX Mode

	Ant.	Cable	Amp		Emission			
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 18777.00	45.17	18.27	35.66	14.79	42.57	74.00	31.43	Peak
2 21290.00	46.12	20.26	35.53	14.69	45.54	74.00	28.46	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

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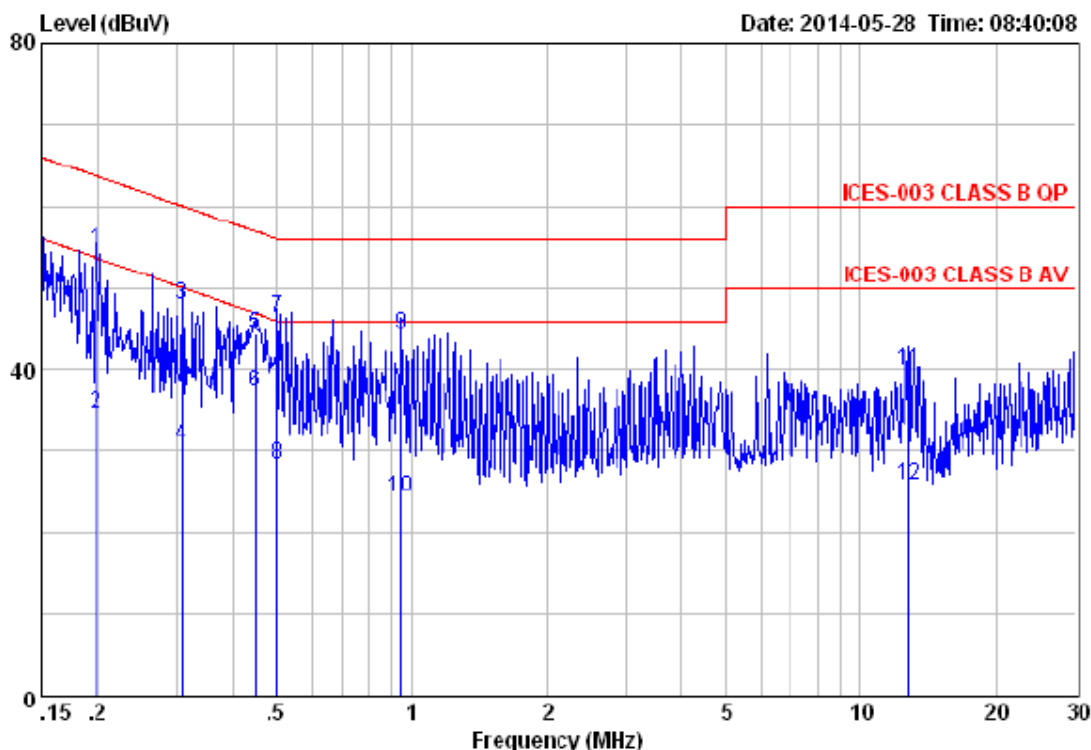
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6. Conducted emissions



Site no. : EST Conduction Shielded RoomData no. : 363
 Limit : ICES-003 CLASS B QP LINE Phase : LINE
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Idapter Input AC 120V/60Hz
 M/N : BeoPlay i2
 Test Mode : TX Mode

		LISN	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	0.20	9.61	9.80	35.22	54.63	63.71	9.08	QP
2	0.20	9.61	9.80	15.22	34.63	53.71	19.08	Average
3	0.31	9.61	9.83	28.39	47.83	60.06	12.23	QP
4	0.31	9.61	9.83	11.39	30.83	50.06	19.23	Average
5	0.45	9.61	9.81	24.86	44.28	56.93	12.65	QP
6	0.45	9.61	9.81	17.86	37.28	46.93	9.65	Average
7	0.50	9.61	9.81	26.98	46.40	56.00	9.60	QP
8	0.50	9.61	9.81	8.98	28.40	46.00	17.60	Average
9	0.95	9.63	9.82	24.85	44.30	56.00	11.70	QP
10	0.95	9.63	9.82	4.85	24.30	46.00	21.70	Average
11	12.05	9.67	9.91	20.22	39.80	60.00	20.20	QP
12	12.85	9.67	9.91	6.22	25.80	50.00	24.20	Average

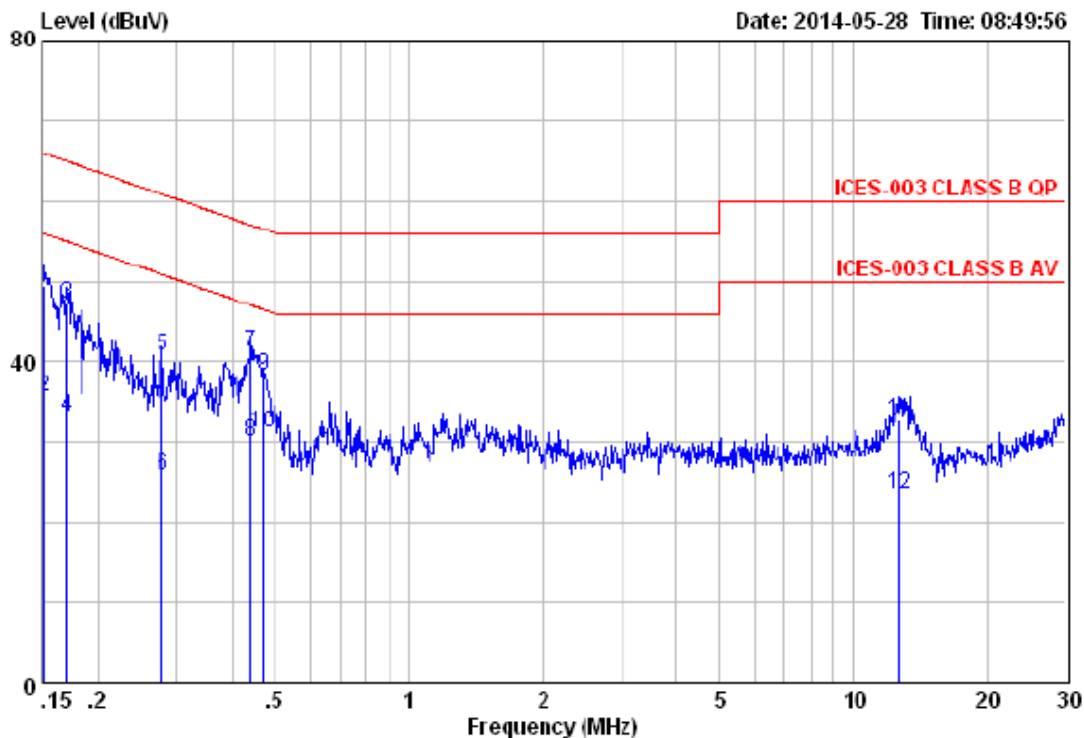
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Site no. : EST Conduction Shielded Room Data no. : 365
 Limit : ICES-003 CLASS B QP LINE Phase : NEUTRAL
 Env. / Ins. : Temp:25.3°C Humi:58% Press:101.50kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : TX Mode

		LISN	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.15	9.46	9.81	30.30	49.57	65.91	16.34	QP
2	0.15	9.46	9.81	16.30	35.57	55.91	20.34	Average
3	0.17	9.52	9.81	27.88	47.21	64.99	17.78	QP
4	0.17	9.52	9.81	13.88	33.21	54.99	21.78	Average
5	0.28	9.60	9.83	21.40	40.83	60.85	20.02	QP
6	0.28	9.60	9.83	6.40	25.83	50.85	25.02	Average
7	0.44	9.59	9.81	21.77	41.17	57.07	15.90	QP
8	0.44	9.59	9.81	10.77	30.17	47.07	16.90	Average
9	0.47	9.59	9.81	18.88	38.28	56.49	18.21	QP
10	0.47	9.59	9.81	11.88	31.28	46.49	15.21	Average
11	12.65	9.73	9.92	13.00	32.65	60.00	27.35	QP
12	12.65	9.73	9.92	4.00	23.65	50.00	26.35	Average

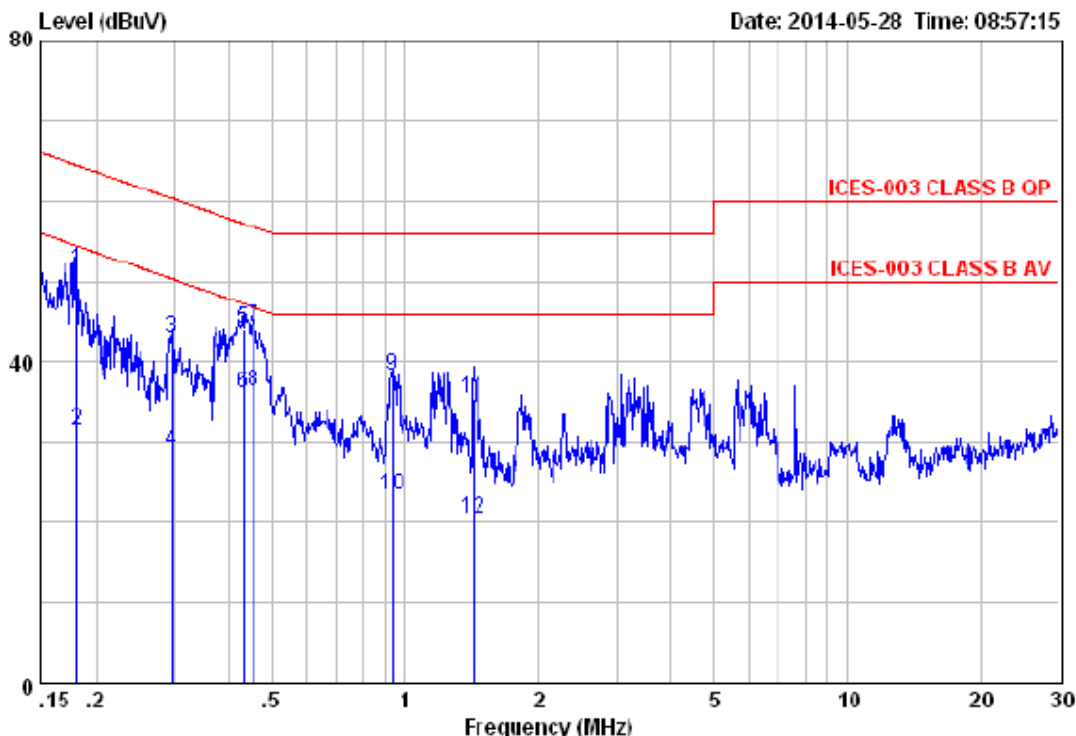
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Site no. : EST Conduction Shielded Room Data no. : 369
 Limit : ICES-003 CLASS B QP LINE Phase : LINE
 Env. / Ins. : Temp:25.3°C Humi:58% Press:101.50kPa
 Engineer : Tony
 EUT : Portable Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : RX Mode

Emission

	Freq. (MHz)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.18	32.01	51.42	64.42	13.00	QP
2	0.18	12.01	31.42	54.42	23.00	Average
3	0.30	23.59	43.03	60.37	17.34	QP
4	0.30	9.59	29.03	50.37	21.34	Average
5	0.43	24.73	44.15	57.24	13.09	QP
6	0.43	16.73	36.15	47.24	11.09	Average
7	0.45	24.85	44.27	56.80	12.53	QP
8	0.45	16.85	36.27	46.80	10.53	Average
9	0.93	18.87	38.32	56.00	17.68	QP
10	0.93	3.87	23.32	46.00	22.68	Average
11	1.43	16.07	35.51	56.00	20.49	QP
12	1.43	1.07	20.51	46.00	25.49	Average

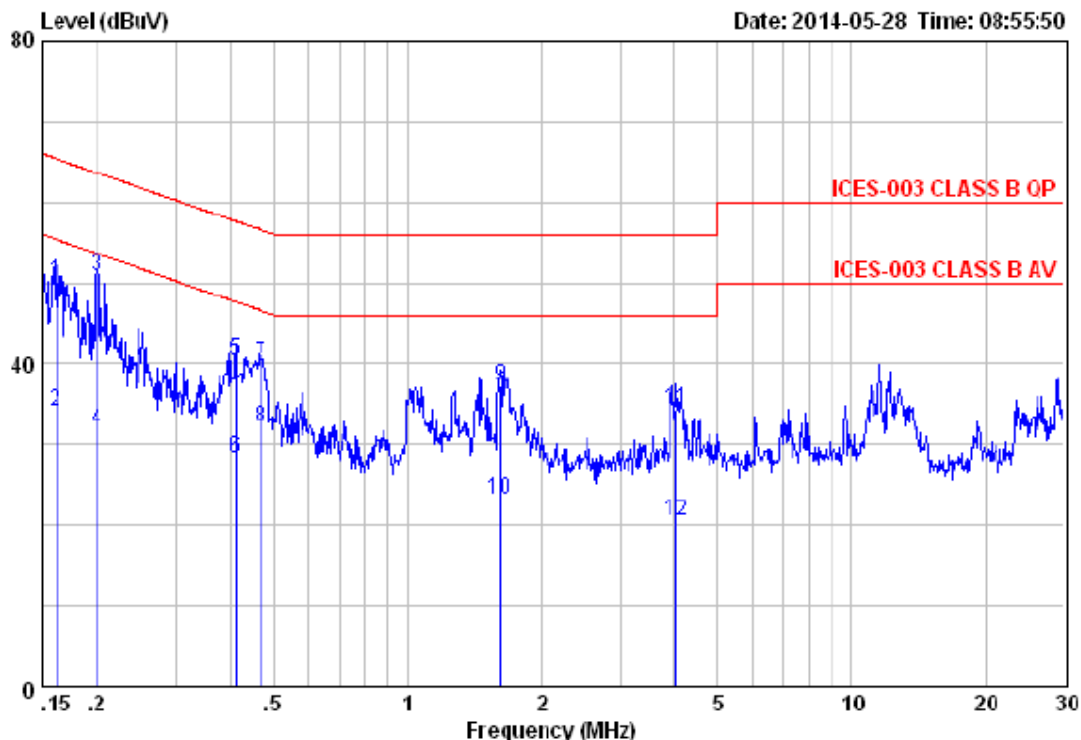
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Site no. : EST Conduction Shielded Room Data no. : 367
 Limit : ICES-003 CLASS B QP LINE Phase : NEUTRAL
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa
 Engineer : Tony
 EUT : Portable Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : RX Mode

Emission

	Freq. (MHz)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.16	30.73	50.04	65.38	15.34	QP
2	0.16	14.73	34.04	55.38	21.34	Average
3	0.20	31.36	50.76	63.62	12.86	QP
4	0.20	12.36	31.76	53.62	21.86	Average
5	0.41	20.99	40.40	57.64	17.24	QP
6	0.41	8.99	28.40	47.64	19.24	Average
7	0.47	20.60	40.00	56.54	16.54	QP
8	0.47	12.60	32.00	46.54	14.54	Average
9	1.61	17.69	37.14	56.00	18.86	QP
10	1.61	3.69	23.14	46.00	22.86	Average
11	4.01	14.92	34.40	56.00	21.60	QP
12	4.01	0.92	20.40	46.00	25.60	Average

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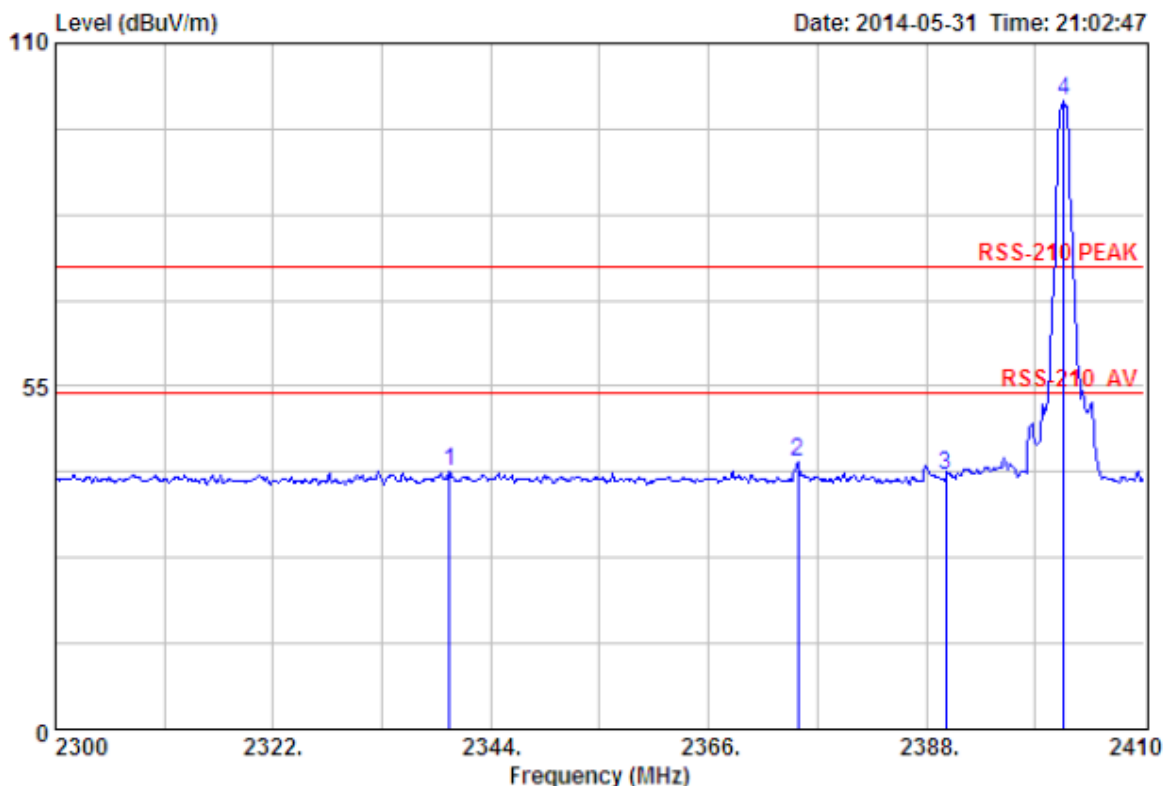
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7. Band-edge Emission



Site no. : 3m Chamber Data no. : 816
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)			
1	2339.82	27.70	6.56	34.22	41.25	41.29	74.00	32.71	Peak
2	2375.02	27.64	6.60	34.19	42.84	42.89	74.00	31.11	Peak
3	2390.00	27.64	6.62	34.19	40.65	40.72	74.00	33.28	Peak
4	2401.86	27.61	6.62	34.18	100.81	100.86	74.00	-26.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

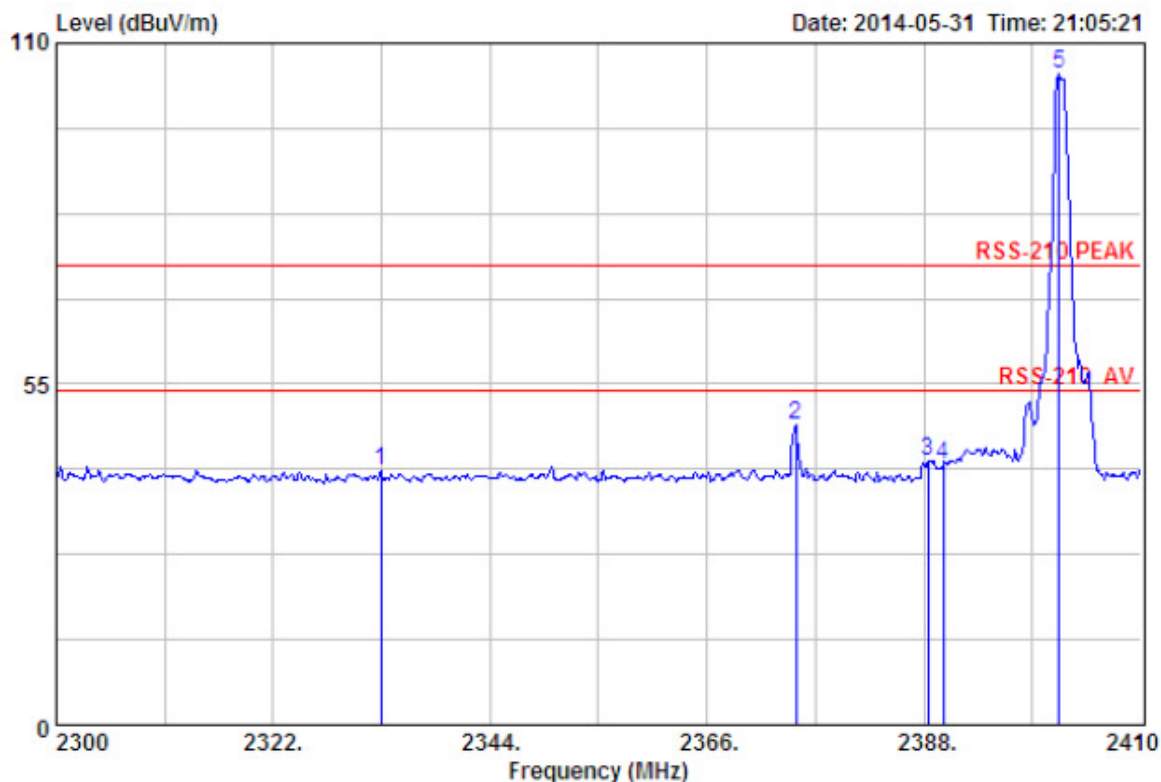
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Site no.	: 3m Chamber	Data no.	: 817
Dis. / Ant.	: 3m ANT 1-18G	Ant. pol.	: VERTICAL
Limit	: RSS-210 PEAK		
Env. / Ins.	: Temp:25.6';Humi:56%;Press:101.52kPa		
Engineer	: Tony		
EUT	: Bluetooth Speaker		
Power	: DC 15V From Adapter Input AC 120V/60Hz		
M/N	: BeoPlay A2		
Test Mode	: GFSK TX 2402MHz		

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2332.89	27.73	6.54	34.23	41.09	41.13	74.00	32.87	Peak
2	2375.02	27.64	6.60	34.19	48.31	48.36	74.00	25.64	Peak
3	2388.44	27.64	6.62	34.19	42.60	42.67	74.00	31.33	Peak
4	2390.00	27.64	6.62	34.19	41.94	42.01	74.00	31.99	Peak
5	2401.75	27.61	6.62	34.18	104.92	104.97	74.00	-30.97	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

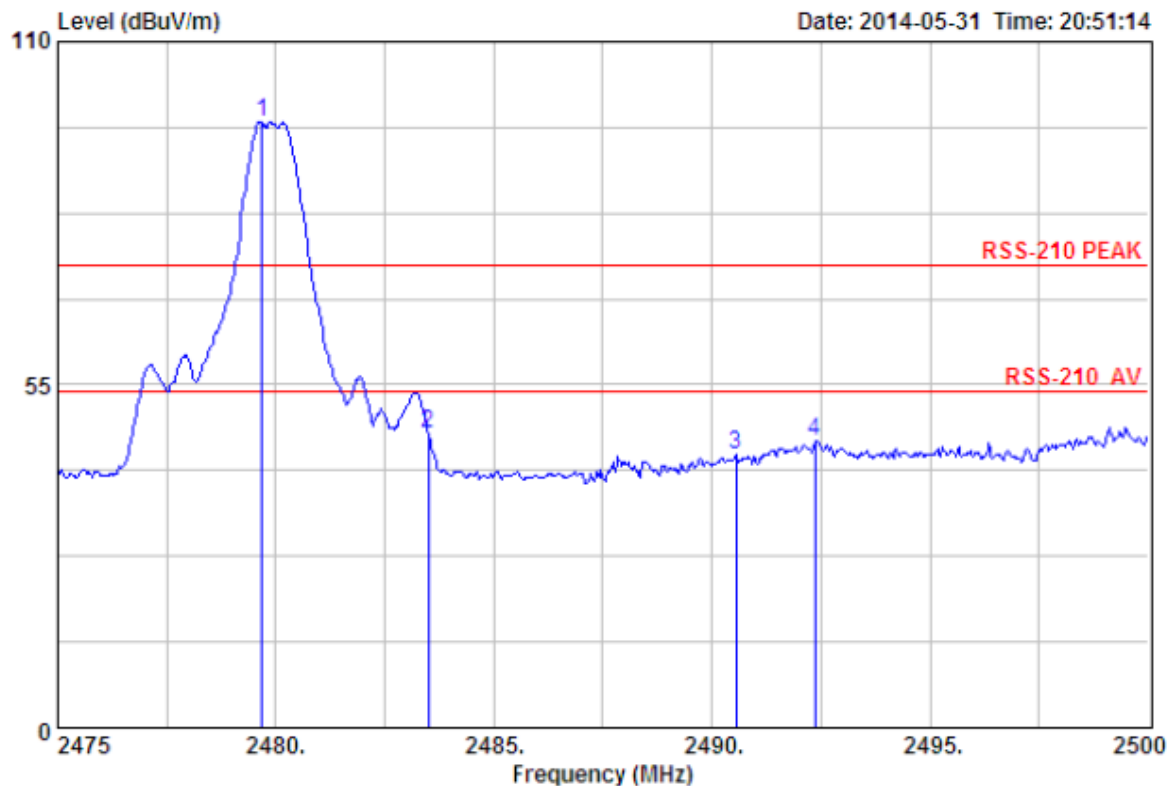
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Site no. : 3m Chamber Data no. : 811
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2480MHz

	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2479.68	27.58	6.71	34.03	96.85	97.11	74.00	-23.11	Peak
2	2483.50	27.58	6.71	34.03	46.85	47.11	74.00	26.89	Peak
3	2490.55	27.58	6.73	34.03	43.61	43.89	74.00	30.11	Peak
4	2492.35	27.58	6.73	34.03	45.76	46.04	74.00	27.96	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

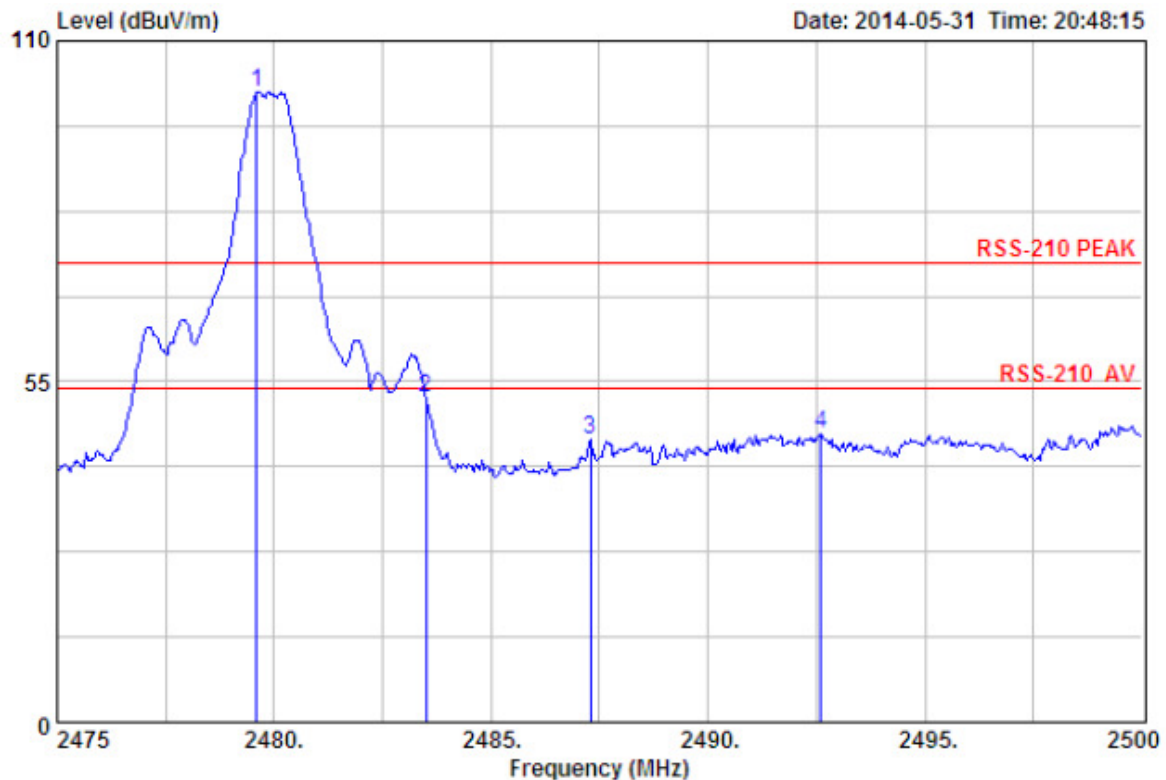
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Site no. : 3m Chamber Data no. : 810
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : RSS-210 PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth Speaker
 Power : DC 15V From Adapter Input AC 120V/60Hz
 M/N : BeoPlay A2
 Test Mode : GFSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2479.60	27.58	6.71	34.03	101.48	101.74	74.00	-27.74	Peak
2	2483.50	27.58	6.71	34.03	52.00	52.26	74.00	21.74	Peak
3	2487.30	27.58	6.71	34.03	45.42	45.68	74.00	28.32	Peak
4	2492.60	27.58	6.73	34.03	46.28	46.56	74.00	27.44	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.