

Produkte
Products

Prüfbericht - Nr.: 10033786 001		Seite 1 von 44 Page 1 of 44			
<i>Test Report No.:</i>					
Auftraggeber: <i>Client:</i>		Meiloon Industrial Co., Ltd. No.77, Lane 1775, Chuen-Ryh Road, Taoyuan City, Taiwan			
Gegenstand der Prüfung: Bluetooth Speaker <i>Test item:</i>					
Bezeichnung: <i>Identification:</i>		RF-TRSPIPAD	Serien-Nr.: <i>Serial No.:</i> N/A		
Wareneingangs-Nr.: <i>Receipt No.:</i>		TPE65841	Eingangsdatum: <i>Date of receipt:</i> 2011/09/26		
Prüfört: <i>Testing location:</i>		TÜV Rheinland Taiwan Ltd. 11F., No.758, Sec. 4, Bade Rd., Songshan Dist., Taipei City 105 Taiwan FCC Registration No.: 365730 Test site Industry Canada No.: 9465A			
Prüfgrundlage: <i>Test specification:</i>		FCC CFR47 Part 15: Subpart C Section 15.247 FCC CFR47 Part 15: Subpart C Section 15.209 FCC CFR47 Part 15: Subpart C Section 15.207 FCC CFR47 Part 15: Subpart C Section 15.205 RSS-210 Issue 8 December 2010 RSS-Gen Issue 3 December 2010 RSS-102 Issue 4 March 2010			
Prüfergebnis: <i>Test Result:</i>		Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>			
Prüflaboratorium: <i>Testing Laboratory:</i>		TÜV Rheinland Taiwan Ltd.			
geprüft/ tested by:		kontrolliert/ reviewed by:			
 2011-09-26 Arvin Ho/Project Manager		 2011-09-26 Shawn Peng/Manager			
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>		
Sonstiges/ Other Aspects:					
<table style="width: 100%;"> <tr> <td style="width: 50%;"> Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet </td> <td style="width: 50%;"> Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested </td> </tr> </table>				Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested
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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 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 safety mark on this or similar products.</i>					

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Passed***5.1.2 PEAK OUTPUT POWER***RESULT: Passed***5.1.3 20dB BANDWIDTH***RESULT: Passed***5.1.4 CONDUCTED SPURIOUS EMISSIONS AND FREQUENCY BAND EDGE MEASURED IN 100KHZ BANDWIDTH***RESULT: Passed***5.1.5 SPURIOUS EMISSION***RESULT: Passed***5.1.6 FREQUENCY SEPARATION***RESULT: Passed***5.1.7 NUMBER OF HOPPING FREQUENCY***RESULT: Passed***5.1.8 TIME OF OCCUPANCY***RESULT: Passed***5.1.9 MAINS CONDUCTED EMISSION***RESULT: Passed***6.1.1 ELECTROMAGNETIC FIELDS***RESULT: Passed*

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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 Result of Radiated Emissions
(File:113148905_Radiated)

Appendix 2: Test Result of Conducted Emissions
(File: 113148905_Conducted)

Test Specifications

The following standards were applied (in bold: product standards, otherwise: basic standards).

Table 1: Applied Standard and Test Levels

Radio
FCC CFR47 Part 15: Subpart C Section 15.247

2. Test Sites

2.1 Test Facilities

TUV Rheinland Taiwan Ltd.

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)
FCC Registration No.: 365730

2.2 List of Test and Measurement Instruments

Table 2: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	R&S	ESCI 7	1166.5950K0 7-100797-Pt	Nov. 09, 2011
Bilog Antenna	TESEQ	CBL6111D	29802	Oct. 01, 2011
Pre-Amplifier	HP	8447F	2805A03335	Jan. 02, 2012
Spectrum Analyzer	R&S	FSV 40	100921	Oct. 12, 2012
Horn Antenna (1GHz~18GHz)	COM-POWER	AHA118	701101	Dec. 27, 2012
Horn Antenna (18GHz~25GHz)	COM-POWER	AH840	101031	Oct. 1, 2012
Power meter	R&S	NRVD	100439	Mar. 25, 2012
Power sensor	R&S	NRV-Z1	100013	Mar. 25, 2012
Temp. & Humid. Chamber	Giant Force	GCT-099-40-S	MAF0103-007	May. 13, 2013

2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, 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 basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are $\pm 3\text{dB}$.

Table 3: Emission Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-7}$
RF power, conducted	$\pm 1 \text{ dB}$
Adjacent channel power	$\pm 3 \text{ dB}$
Radiated emission of transmitter, valid up to 26 GHz	$\pm 6 \text{ dB}$
Radiated emission of receiver, valid up to 26 GHz	$\pm 6 \text{ dB}$
Temperature	$\pm 2 \text{ }^{\circ}\text{C}$
Humidity	$\pm 10 \text{ } \%$

3. General Product Information

3.1 Product Function and Intended Use

The equipment, model as shown on the cover page, is a Bluetooth speaker represents the state-of-the-art in iPadR accessories and is designed to integrate easily into your iPad's Smart Cover.

For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 Ratings and System Details

Table 4: Rating of EUT

Kind of Equipment:	Bluetooth Speaker
Type Designation:	RF-TRSPIPAD
FCC ID	R48RFTRSPIPADRX
IC ID	7190A-RFTRSPIPAD

Table 5: Technical Specification of EUT

Technical Specification	Value
Operating Frequency band	2402 – 2480 MHz
Channel separation	1MHz
Number of Channels	79
Extreme Temperature Range	-5°C to 50°C
Operation Voltage	DC 5.0V (via built-in Mini USB port)
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	1.4dBi

Table 6: Frequency hopping information

Technical Specification	Description
Hopping Sequence	Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73,07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56,69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43,15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47,
Receiver input bandwidth	The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Receiving
- C. Standby
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Technical Description
- Circuit Diagram
- Instruction Manual
- 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 4. All testing were performed according to the procedures in ANSI C63.4: 2003.

Full test was applied on all test modes, but only worst case was shown.

4.3 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Kind of Equipment	Manufacturer	Model Name	S/N
Notebook	IBM	T41	2373

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 of Measurement Configuration for Radiation Test

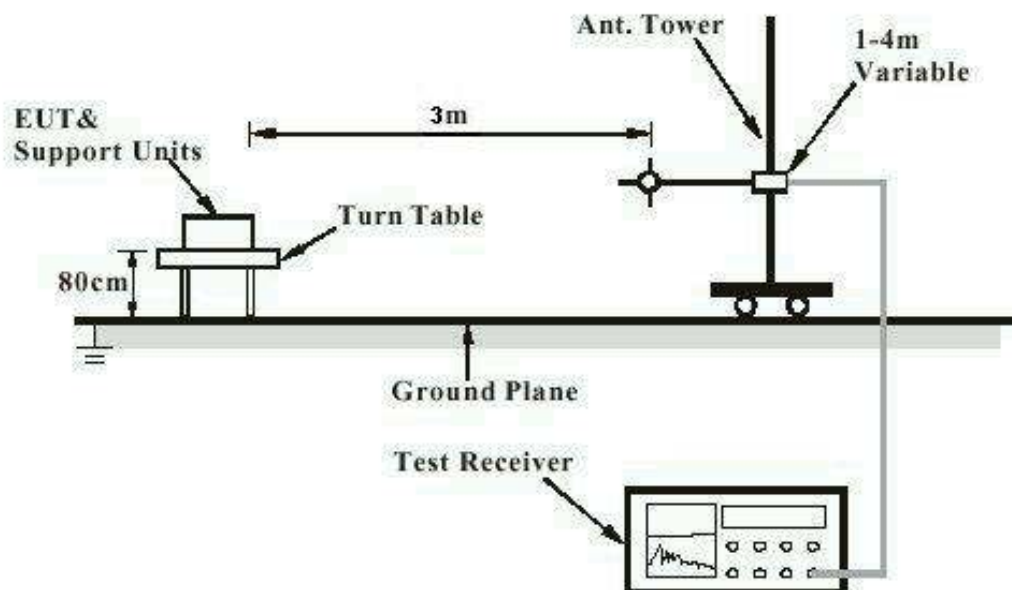


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

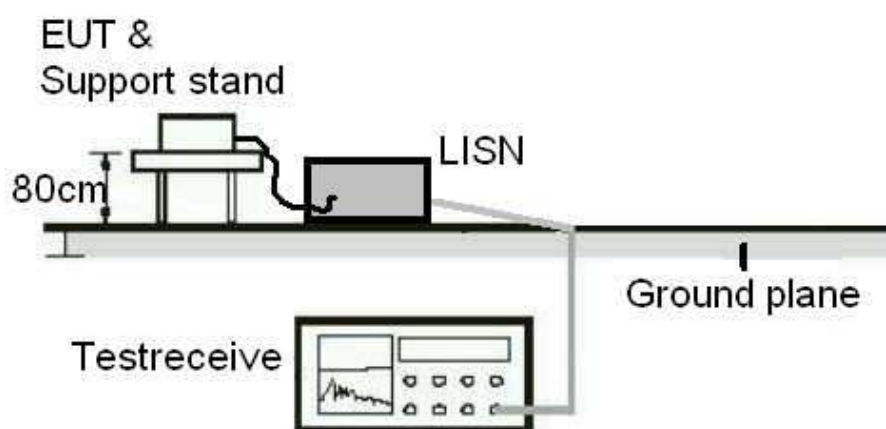
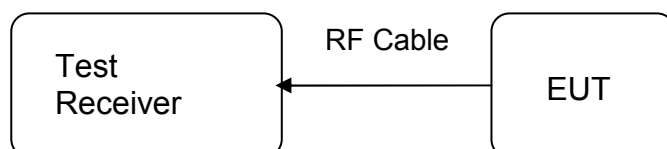


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Passed**

Test date	:	2011-09-26
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 6 dBi

According to the manufacturer declaration, the EUT has an internal antenna with an directional gain of 1.4dBi, and the antenna is a printed PCB trace with no possibility of replacement. Therefore, the EUT is considered to comply the provision.

Refer to EUT photo for details.

5.1.2 Peak Output Power

RESULT:
Passed

Test date : 2011-09-26
 Test standard : FCC Part 15.247(b)(1)
 RSS-210 A8.4(2)
 Basic standard : ANSI C63.4: 2003
 Limit : 1 Watt
 Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A
 Ambient temperature : 26°C
 Relative humidity : 37%
 Atmospheric pressure : 101 kPa

Table 7: Test result of Peak Output Power, GFSK modulation

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	11.09	0.013	1
Middle Channel	2441	10.8	0.012	1
High Channel	2480	10.05	0.01	1

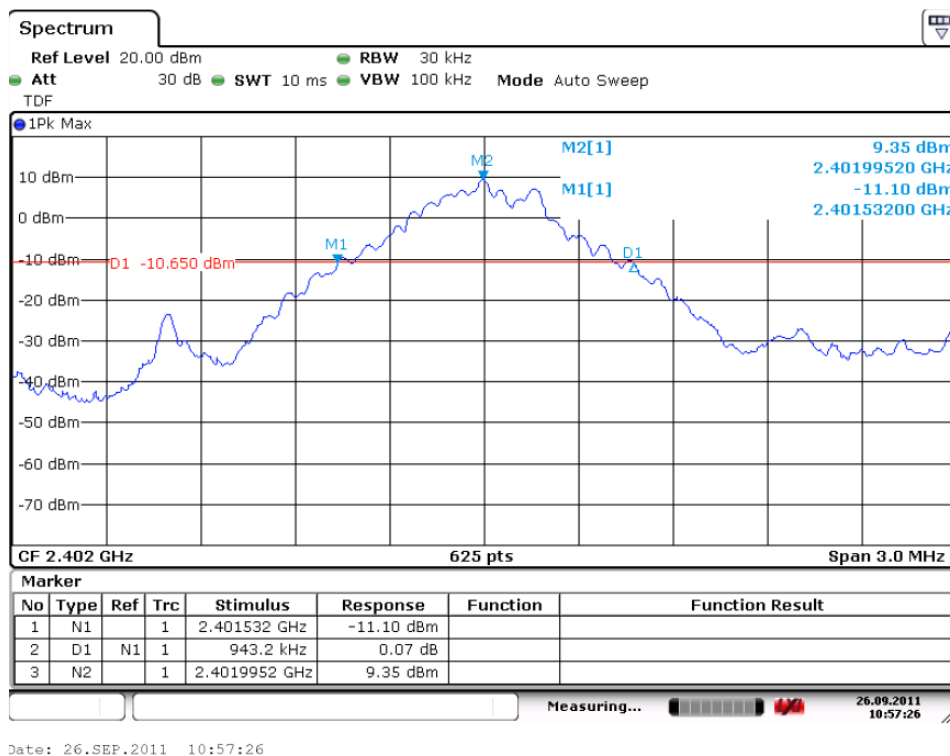
Table 8: Test result of Peak Output Power, 8DPSK modulation

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	10.85	0.012	1
Middle Channel	2441	10.56	0.011	1
High Channel	2480	9.15	0.008	1

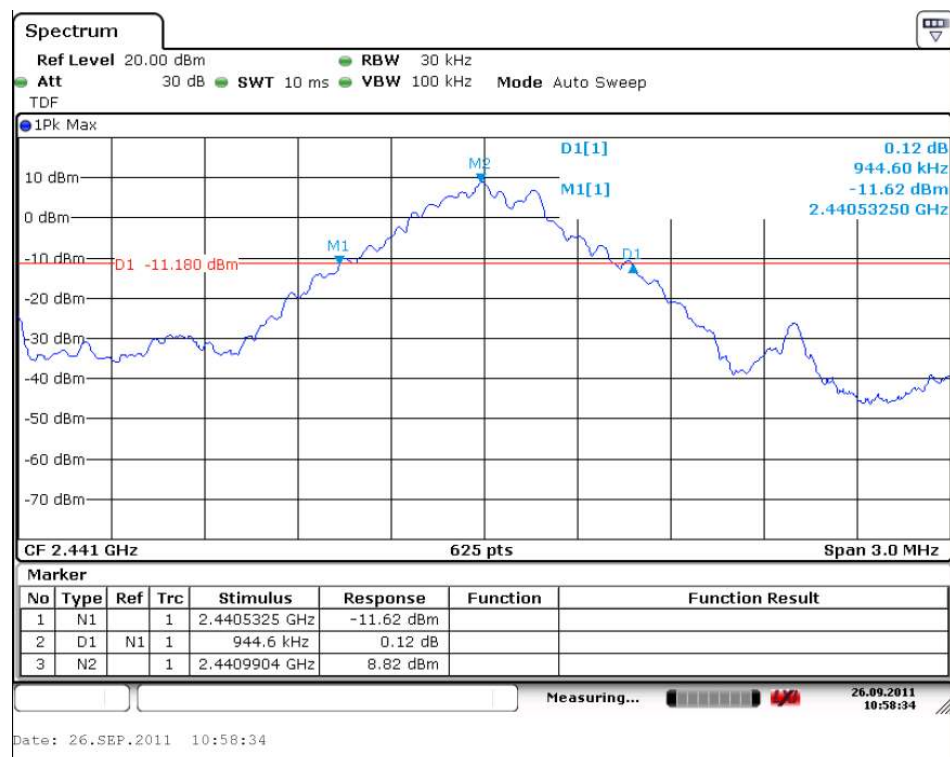
Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
Low Channel	2402	1.259	1.176	Pass
Mid Channel	2441	1.285	1.171	Pass
High Channel	2480	1.216	1.152	Pass

Test Plot of 20dB Bandwidth, GFSK modulation

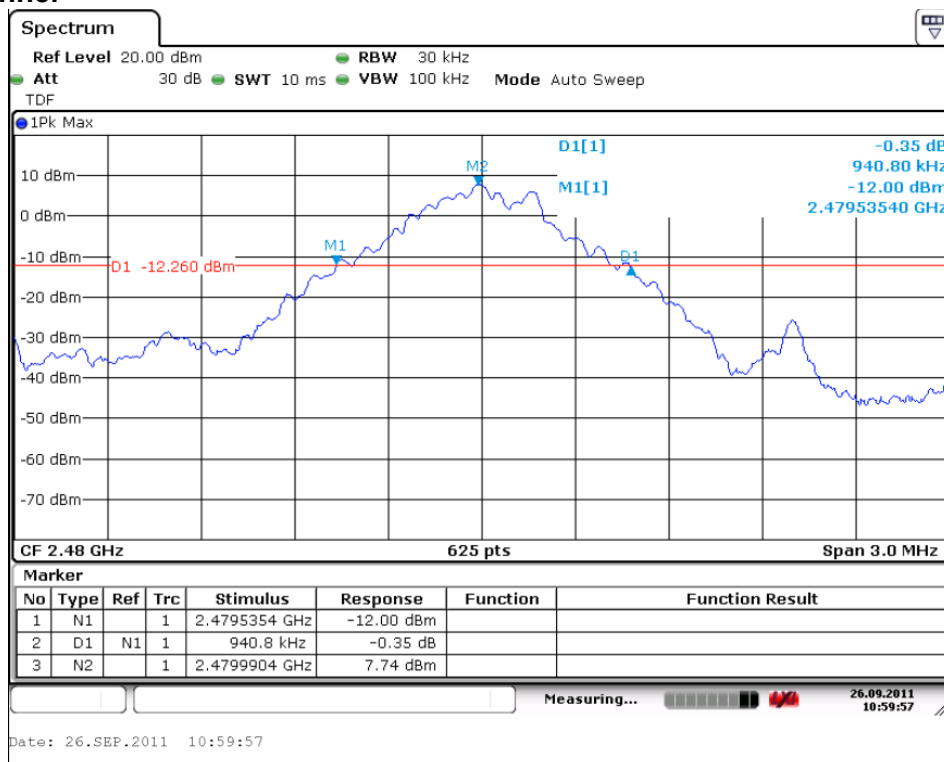
Low Channel



Middle Channel

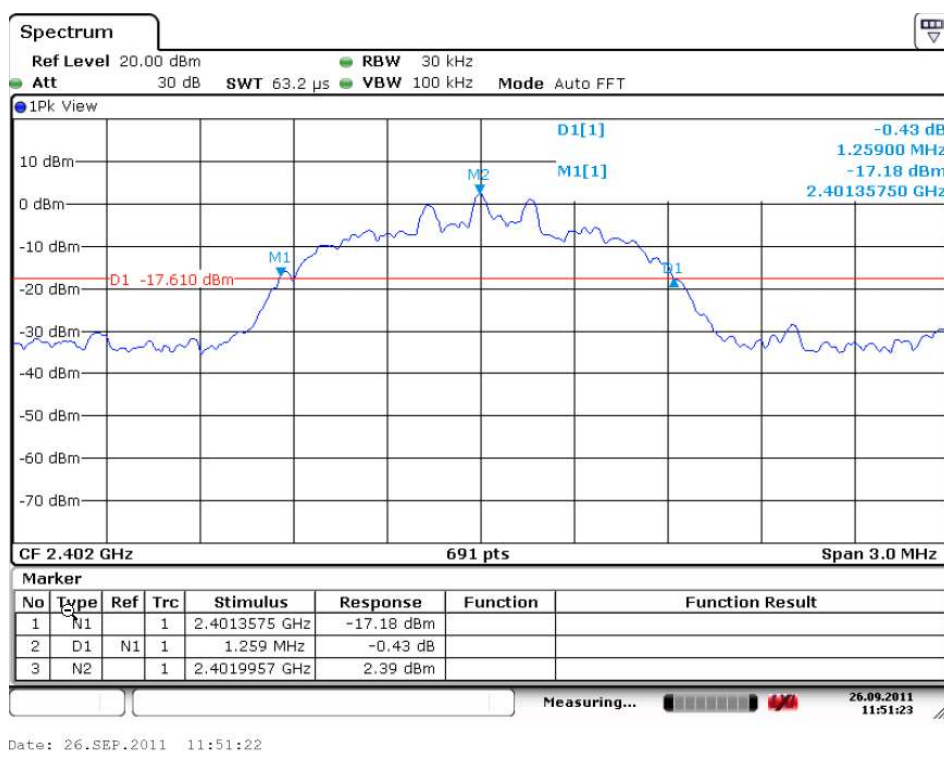


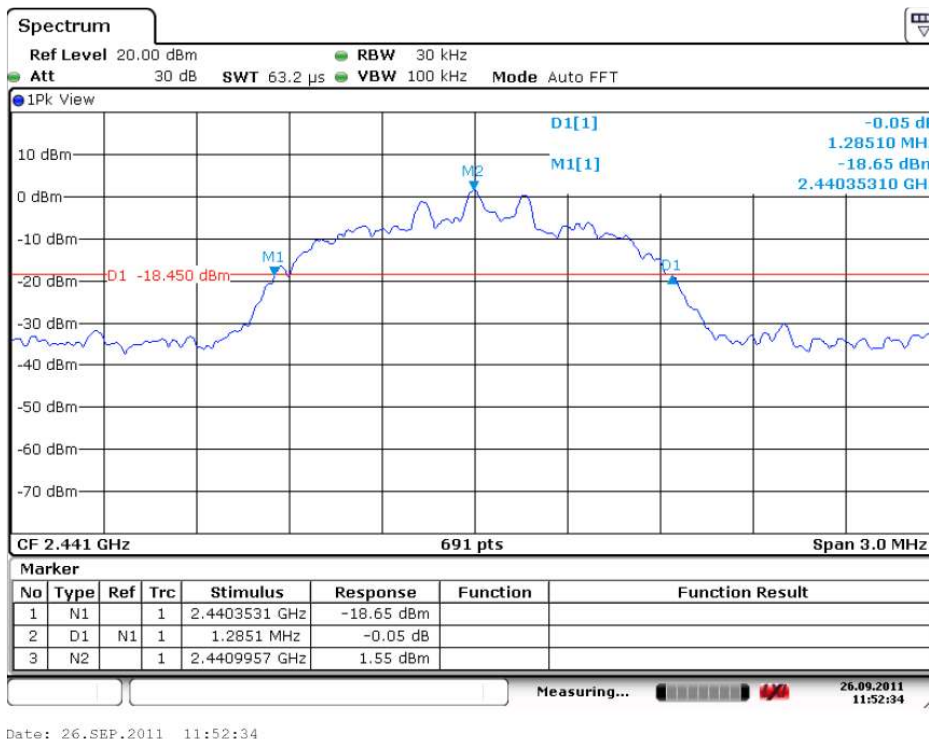
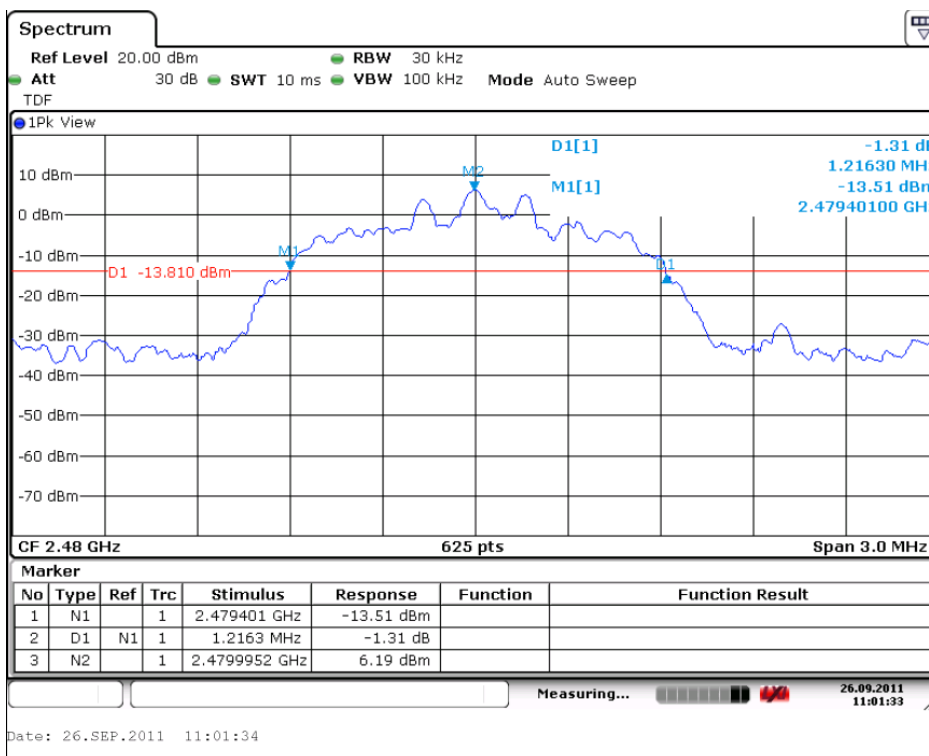
High Channel



Test Plot of 20dB Bandwidth, 8DPSK modulation

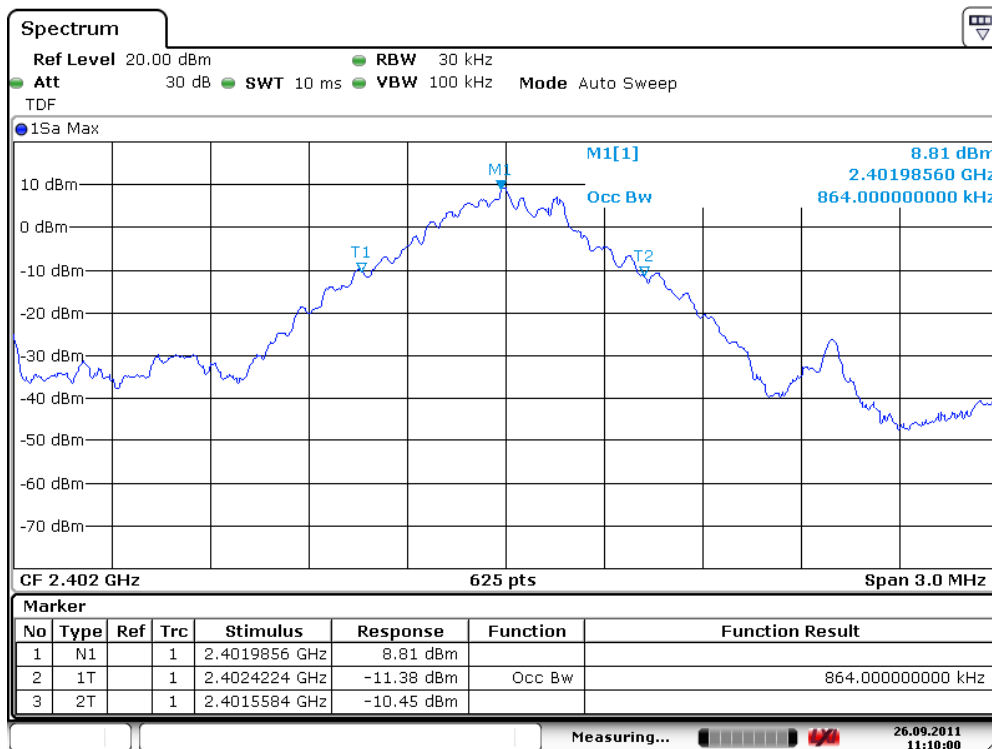
Low Channel



Middle Channel

High Channel


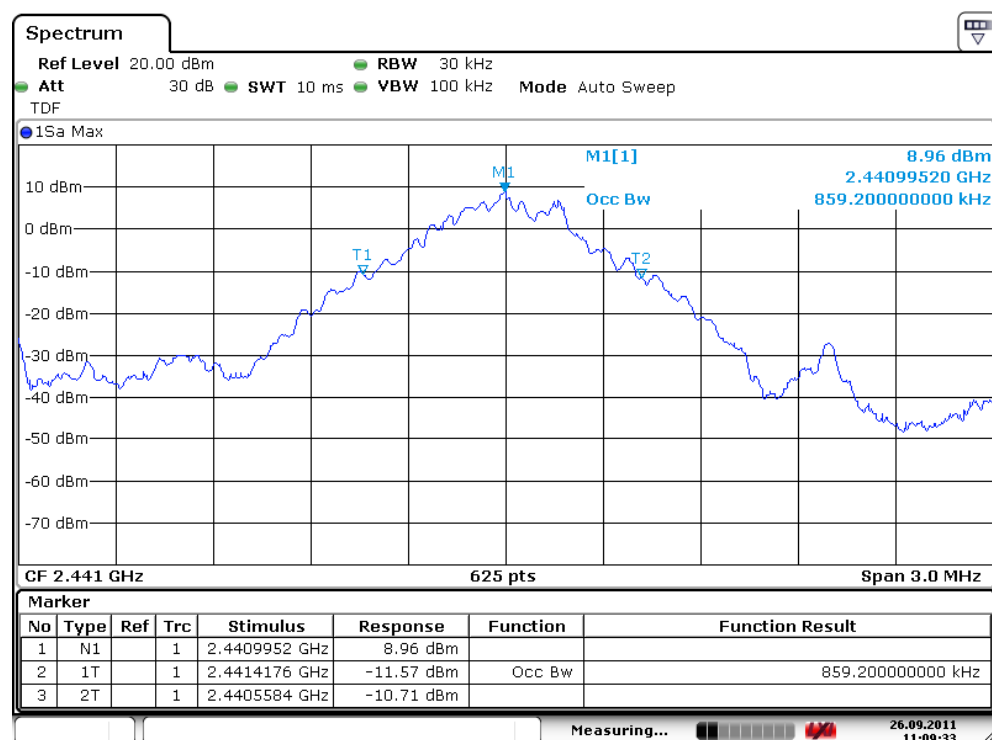
Test Plot of 99% Bandwidth, GFSK modulation

Low Channel



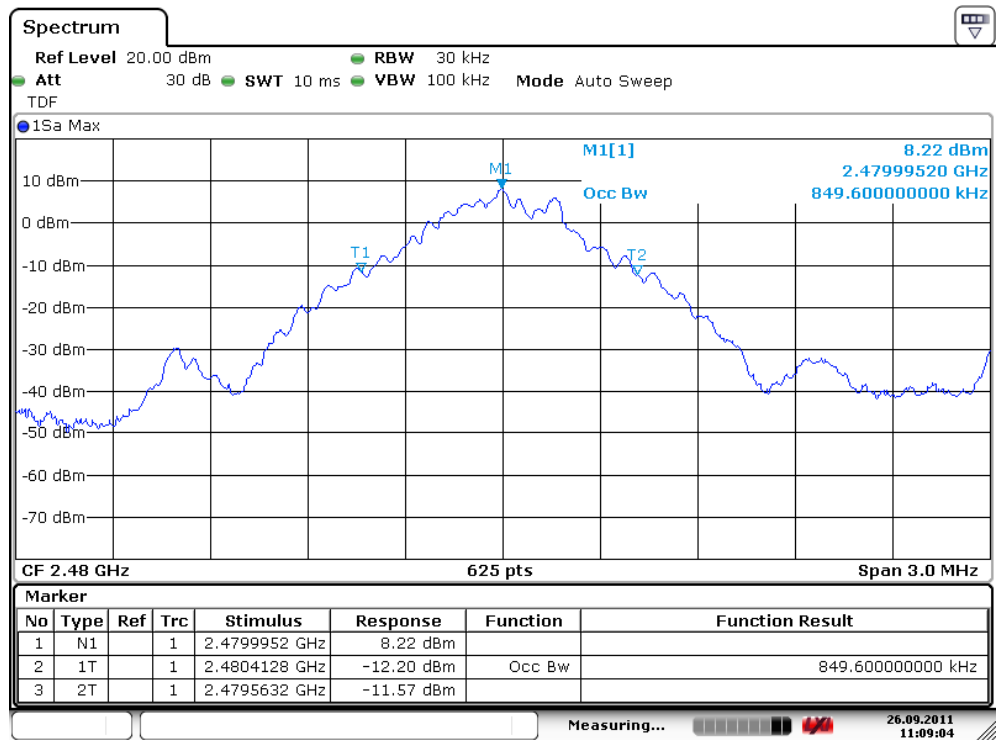
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Middle Channel



Date: 26.SEP.2011 11:09:33

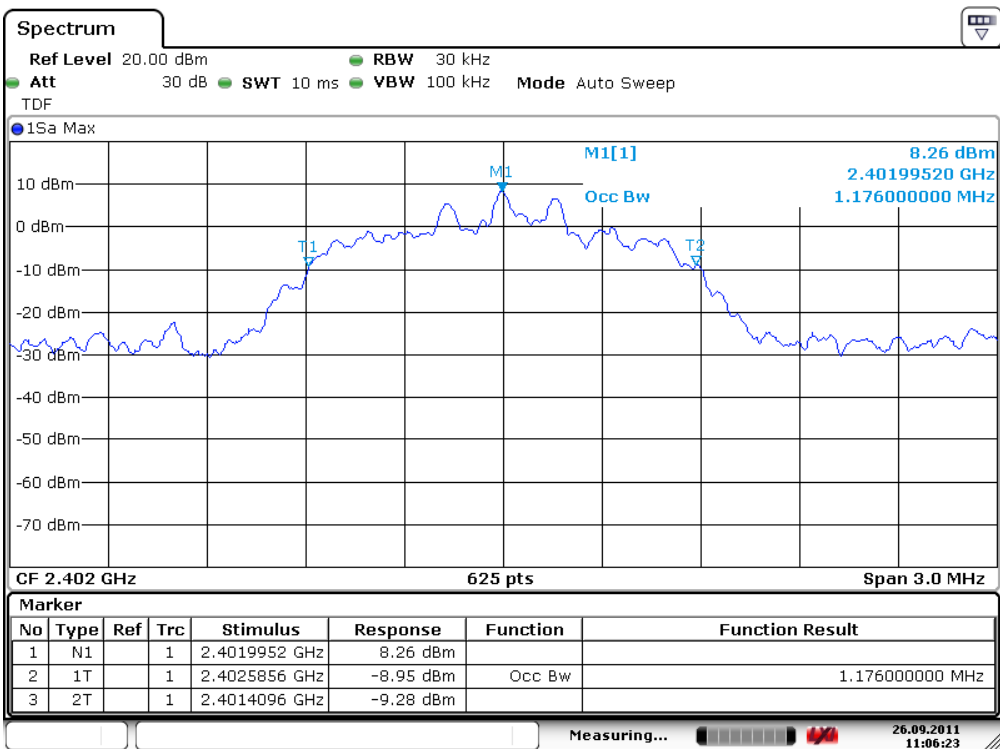
High Channel



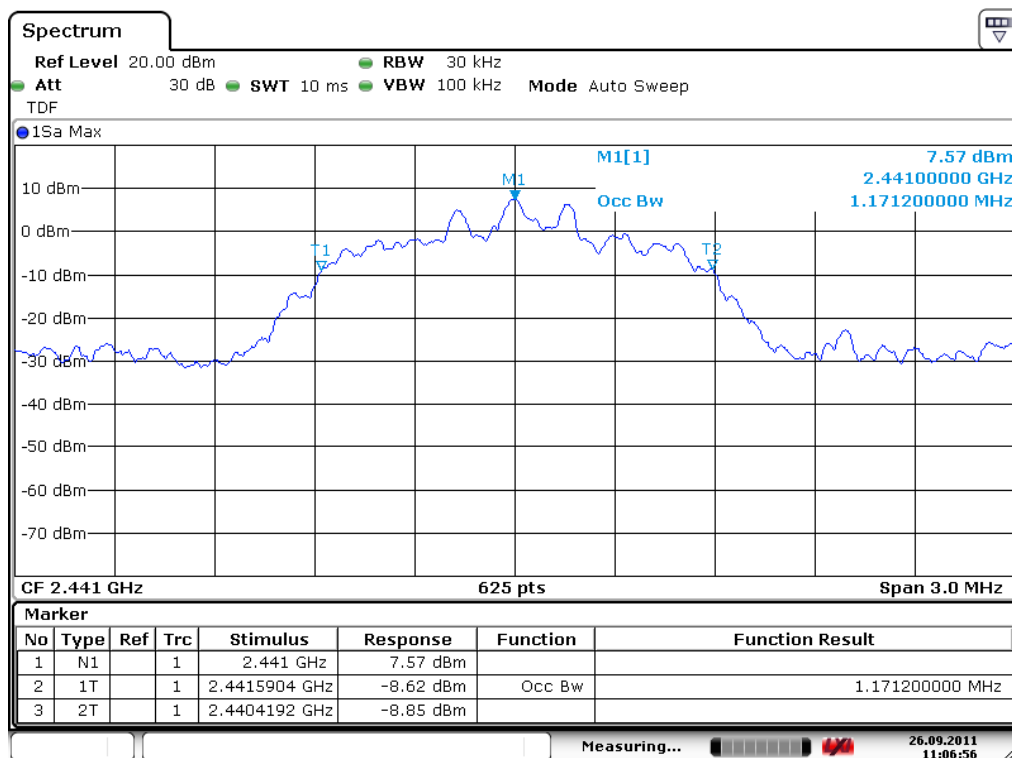
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Test Plot of 99% Bandwidth, 8DPSK modulation

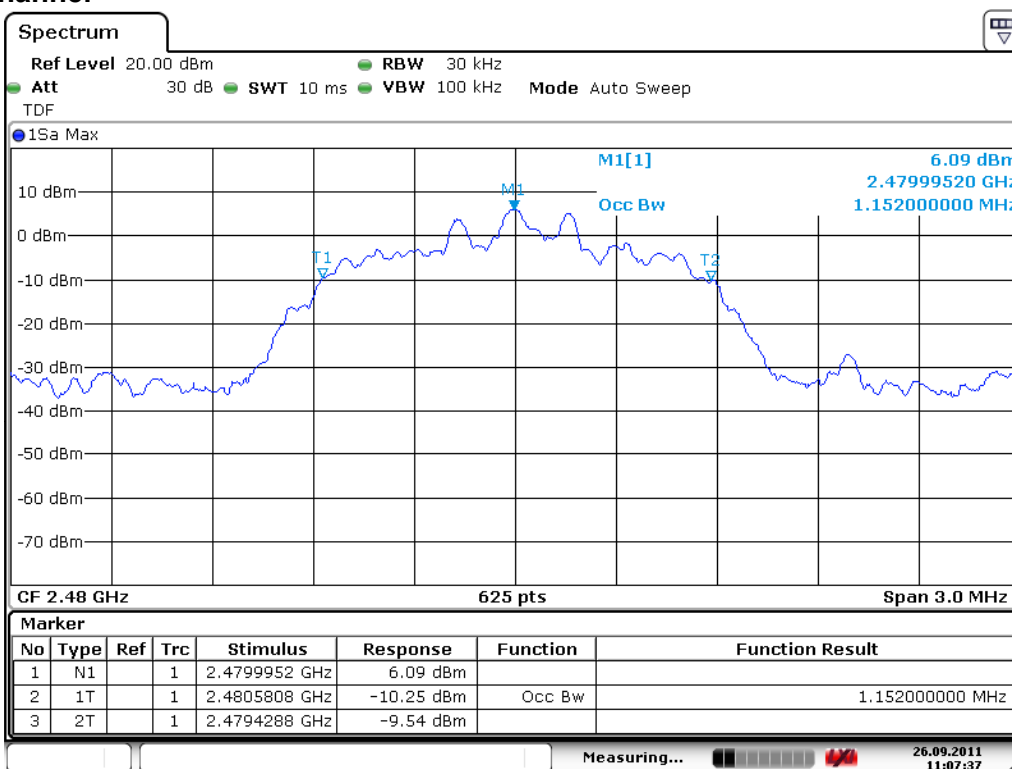
Low Channel



Date: 26.SEP.2011 11:06:23

Middle Channel


Date: 26.SEP.2011 11:06:56

High Channel


Date: 26.SEP.2011 11:07:37

5.1.4 Conducted spurious emissions and Frequency Band Edge measured in 100kHz Bandwidth

RESULT:**Passed**

Date of testing	:	2011-09-26
Test standard	:	FCC part 15.247(d) RSS-210 A8.5
Basic standard	:	ANSI C63.4: 2003
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power)
Kind of test site	:	Shielded room

Test setup

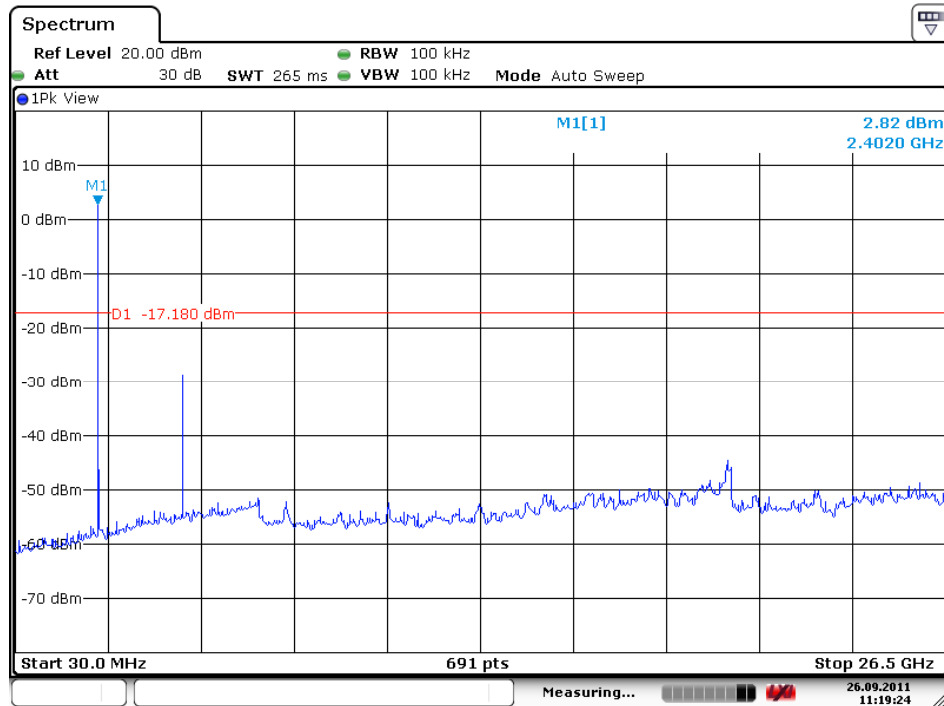
Test Channel	:	Low/ High
Operation mode	:	A
Ambient temperature	:	26°C
Relative humidity	:	37%
Atmospheric pressure	:	101 kPa

All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achieved as well.

Due to the small size of the product and that there are no inductive components of significant size, 9kHz to 30MHz frequency range is not tested.

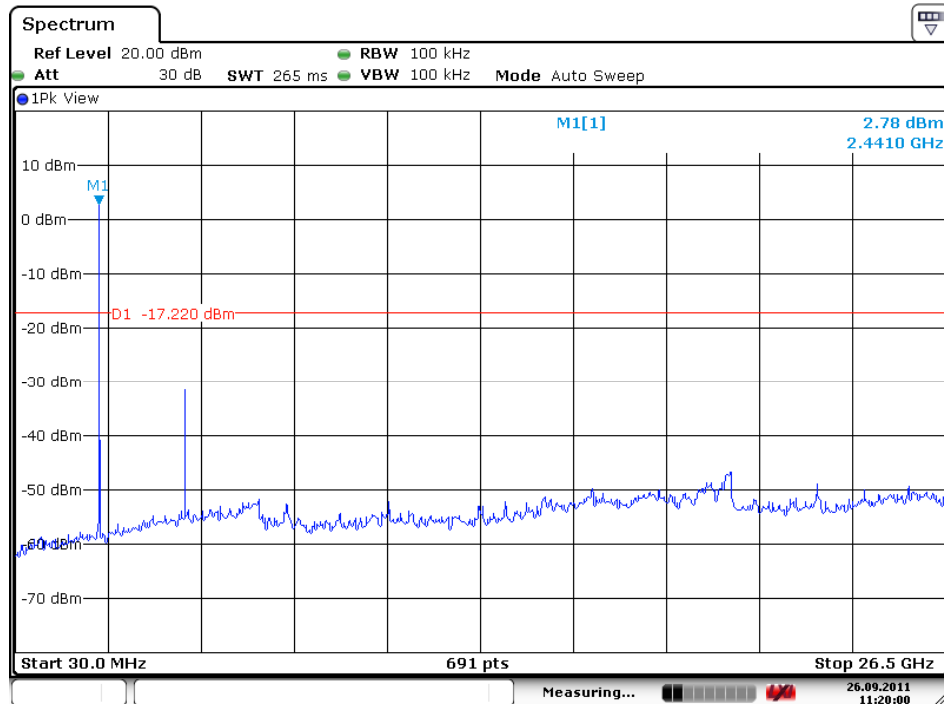
Test Plot of 100kHz Conducted Emissions, GFSK modulation

Low Channel



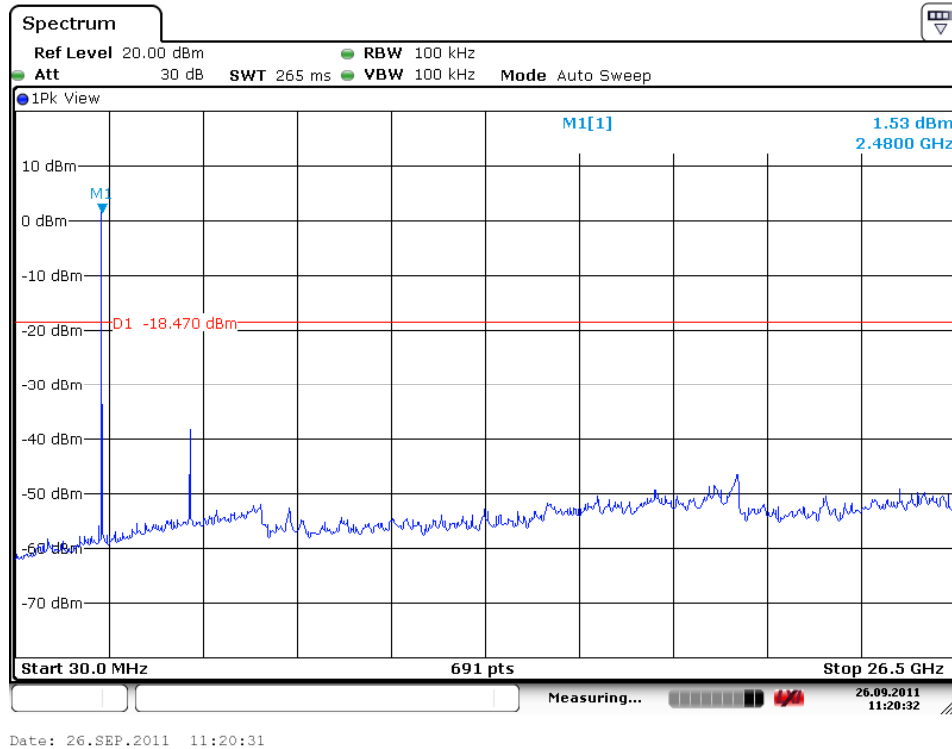
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Middle Channel



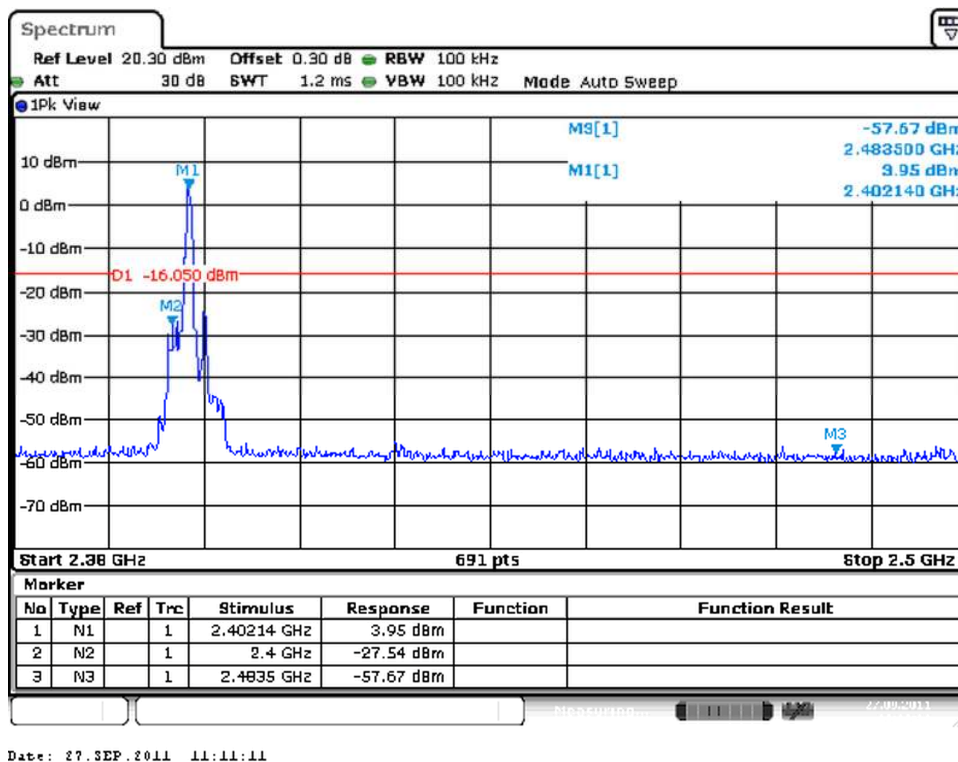
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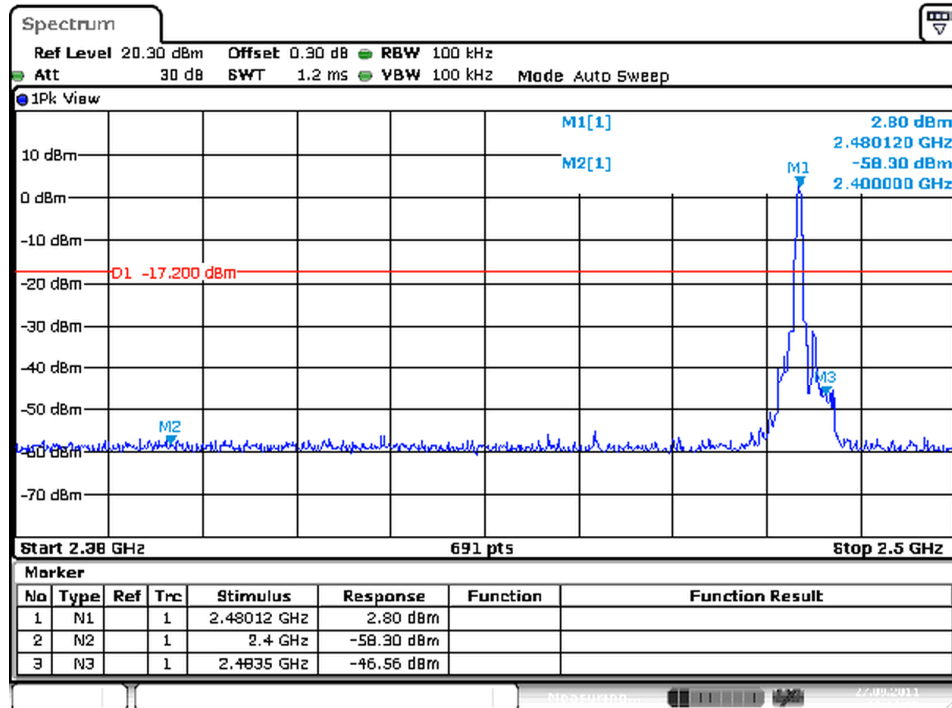
High Channel



Test Plot of 100kHz Bandwidth of Frequency Band Edge, GFSK modulation

Low Channel

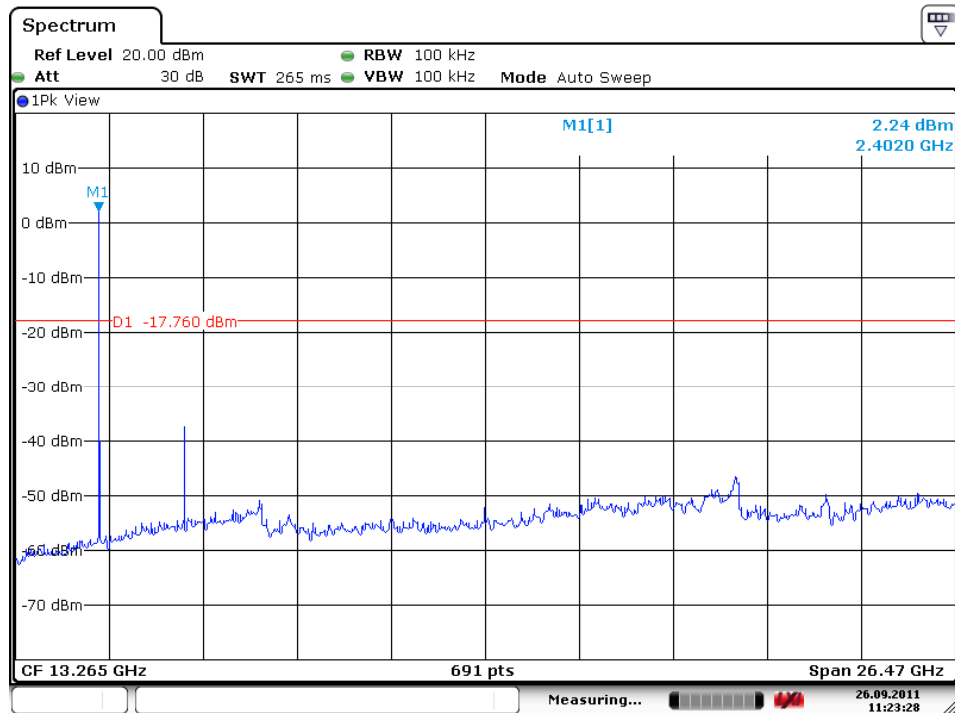


High Channel


Date: 27.SEP.2011 11:13:56

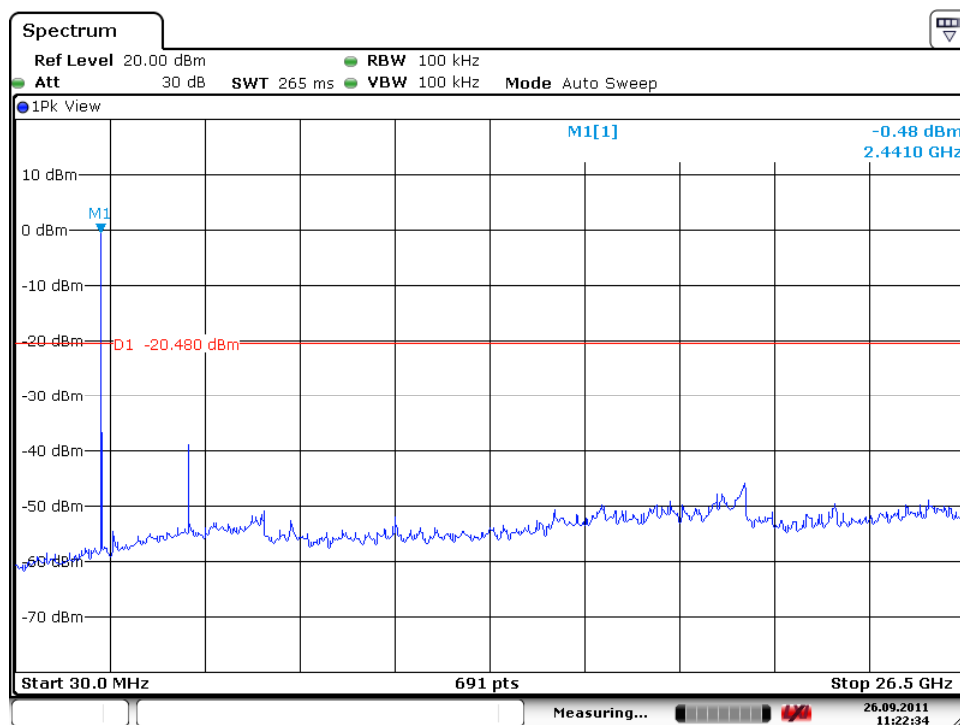
Test Plot of 100kHz Conducted Emissions, 8DPSK modulation

Low Channel



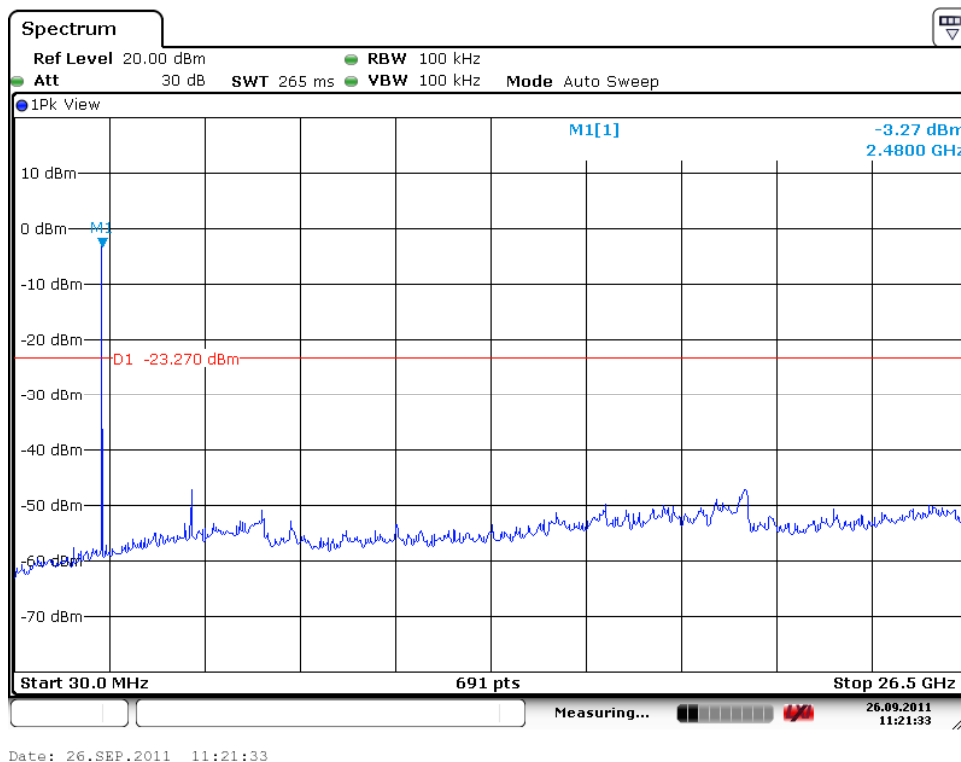
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Middle Channel



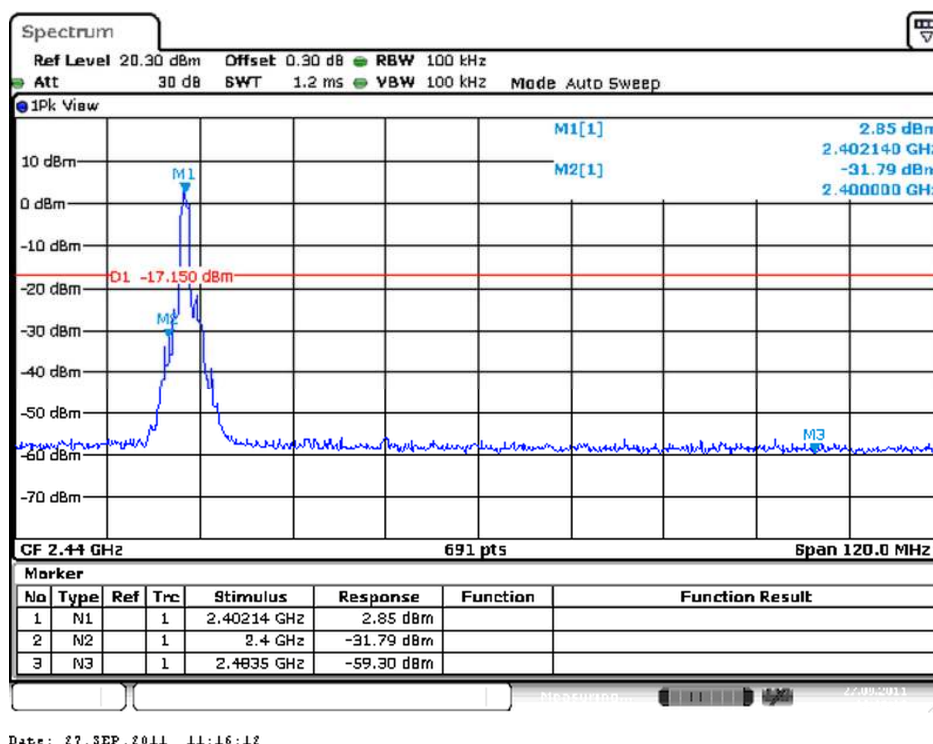
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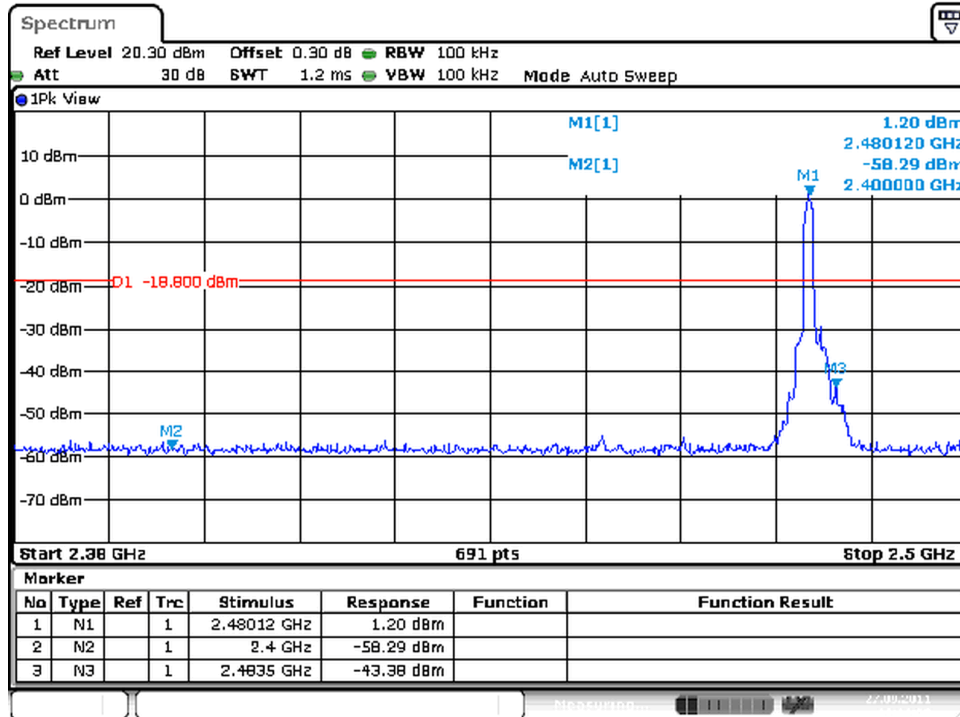
High Channel



Test Plot of 100kHz Bandwidth of Frequency Band Edge, 8DPSK modulation

Low Channel



High Channel


Date: 27.SEP.2011 11:14:58

5.1.5 Spurious Emission

RESULT:**Passed**

Date of testing	:	2011-09-26
Test standard	:	FCC part 15.247(d) RSS-210 Clause 2.2
Basic standard	:	ANSI C63.4: 2003
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

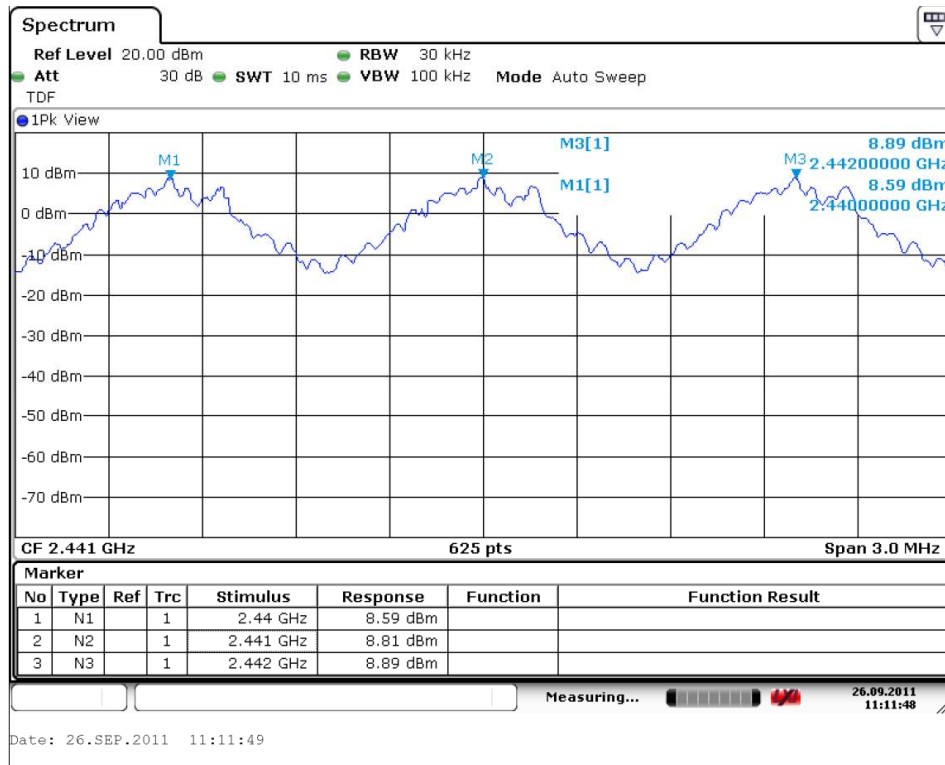
Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A, B
Ambient temperature	:	26°C
Relative humidity	:	37%
Atmospheric pressure	:	101 kPa

Remark: Testing was carried out within frequency range 30MHz to the tenth harmonic. For details refer to Appendix 1. During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test setup photos. Due to the small size of the product and that there are no inductive components of significant size, 9kHz to 30MHz frequency range is not tested based on technical judgment.

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2479			

Test Plot of Frequency Separation



5.1.7 Number of hopping frequency

RESULT:**Passed**

Date of testing : 2011-09-26
Test standard : FCC part 15.247(a)(1)(iii)
RSS-210 A8.1(d)
Basic standard : ANSI C63.4: 2003
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

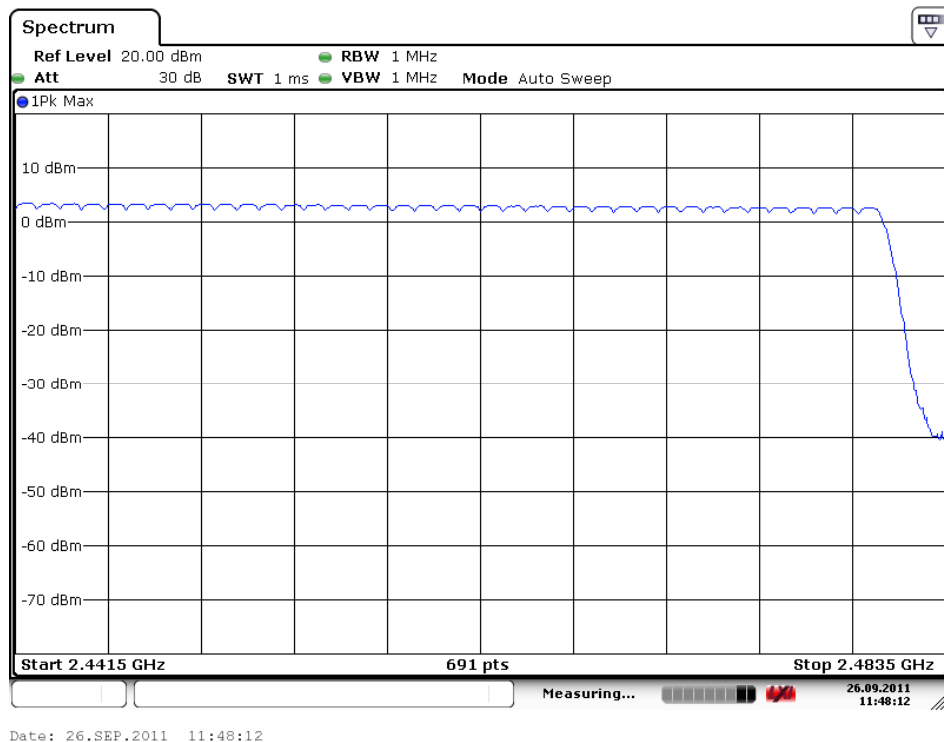
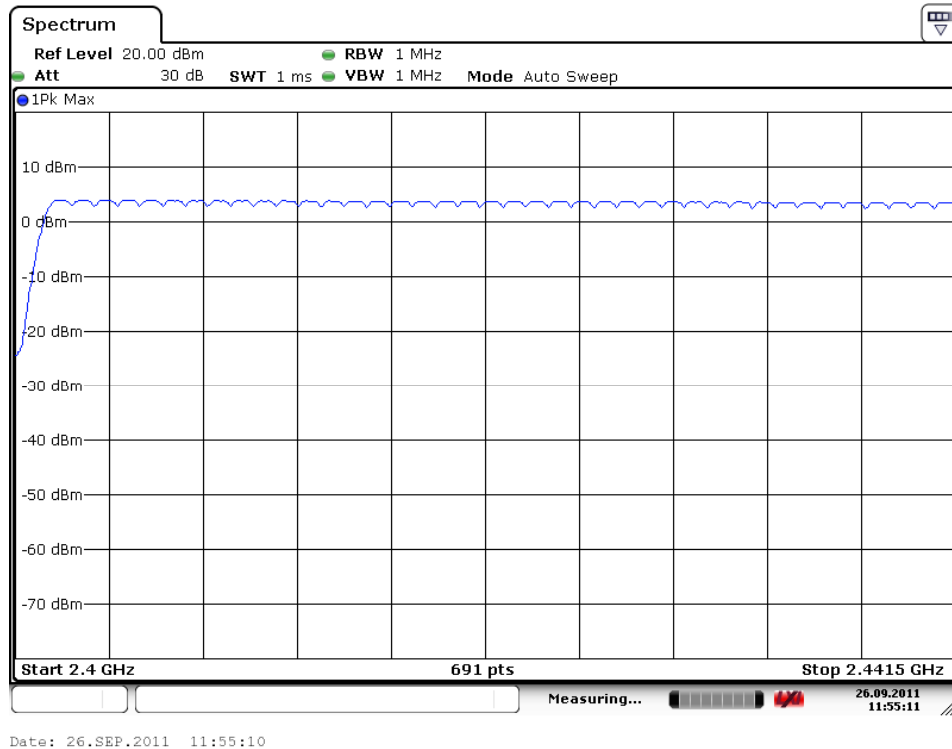
Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 26°C
Relative humidity : 37%
Atmospheric pressure : 101 kPa

Table 12: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2400</u> to <u>2483.5</u> MHz	79	≥ 15	Pass

Test Plot of Number of hopping frequencies



5.1.8 Time of Occupancy

RESULT:
Passed

Date of testing : 2011-09-26
 Test standard : FCC part 15.247(a)(1)(iii)
 RSS-210 A8.1(d)
 Basic standard : ANSI C63.4: 2003
 Limits : 0.4s
 Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A
 Ambient temperature : 26°C
 Relative humidity : 37%
 Atmospheric pressure : 101 kPa

Table 13: Test result of Time of Occupancy

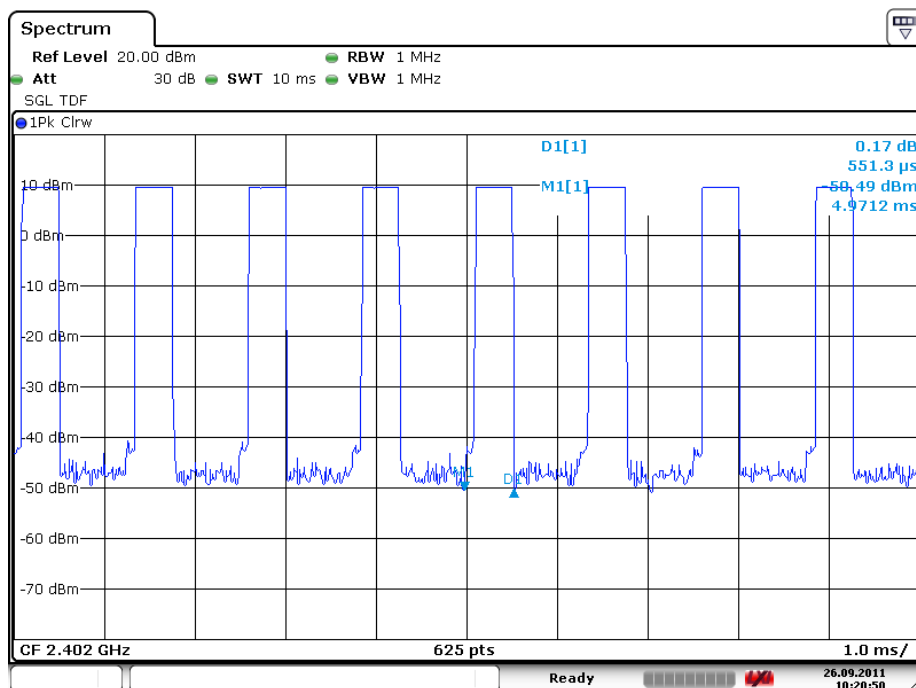
Data Mode	Captured Burst (ms)	Dwell time (s)	Limit (s)	Result
DH1	0.5513	0.0706	0.4	Pass
DH3	1.8718	0.2396	0.4	Pass
DH5	3.0705	0.393	0.4	Pass
3-DH1	0.5769	0.0738	0.4	Pass
3-DH3	1.8173	0.2326	0.4	Pass
3-DH5	3.1603	0.3955	0.4	Pass

Note:

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

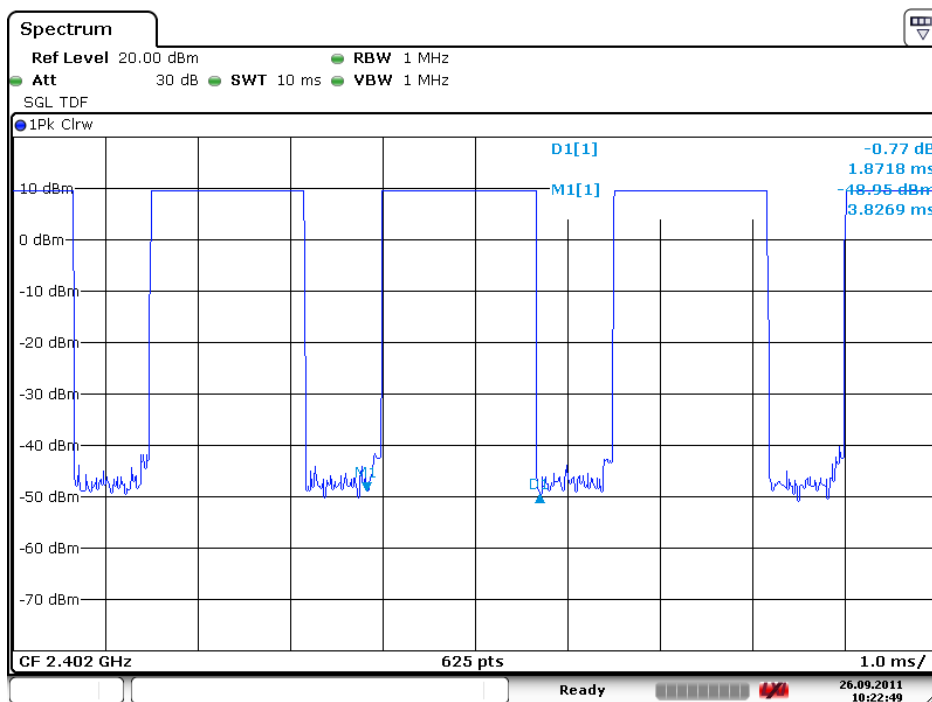
Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

Test Plot of Time of Occupancy, GFSK modulation DH1



Date: 26.SEP.2011 10:20:50

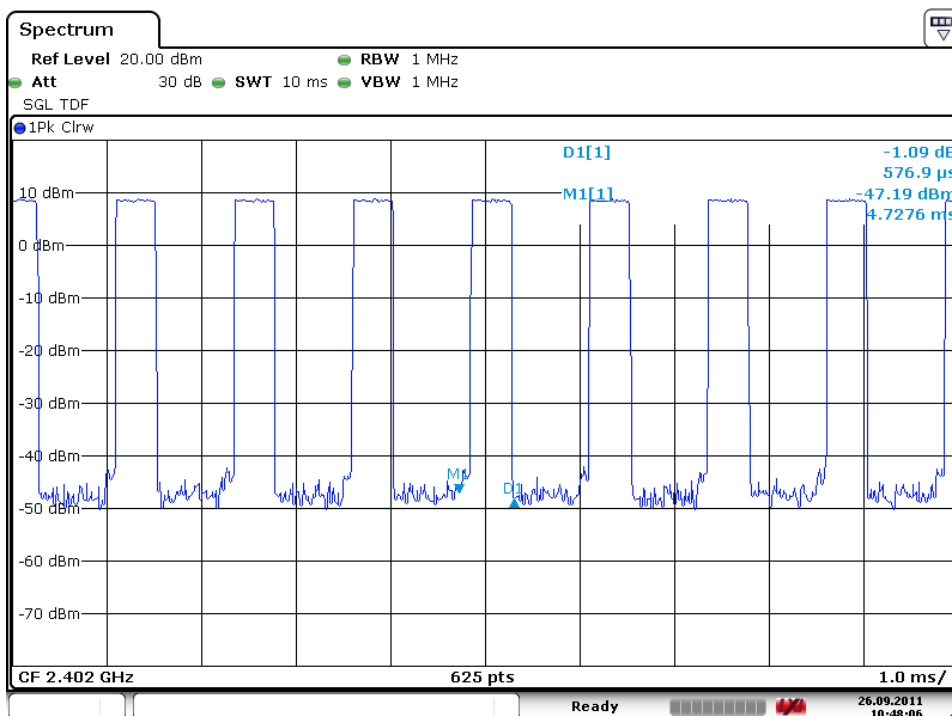
DH3



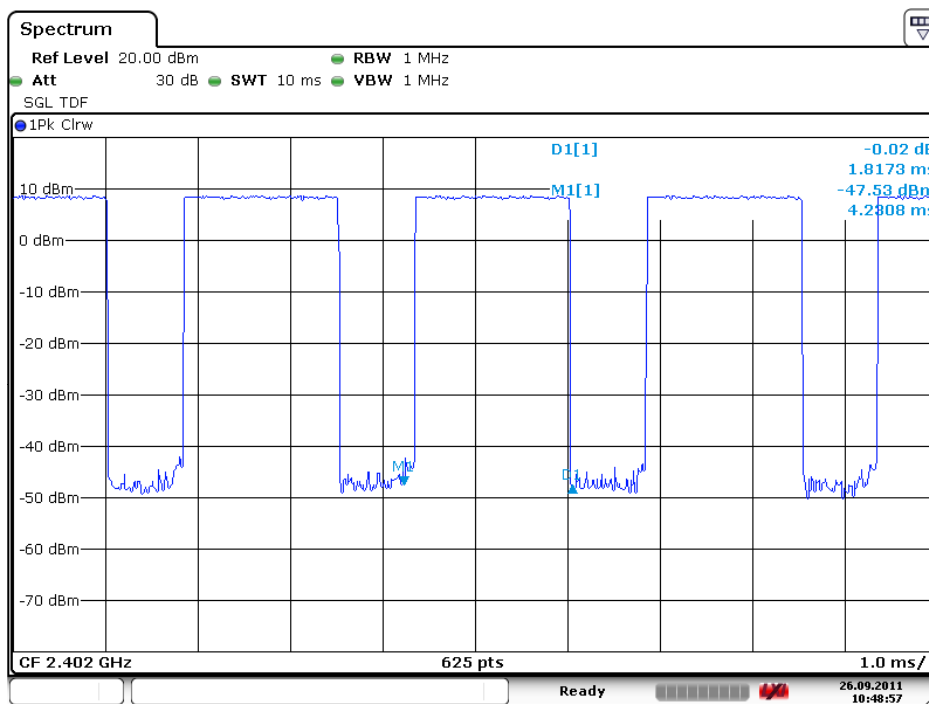
Date: 26.SEP.2011 10:22:50

DH5

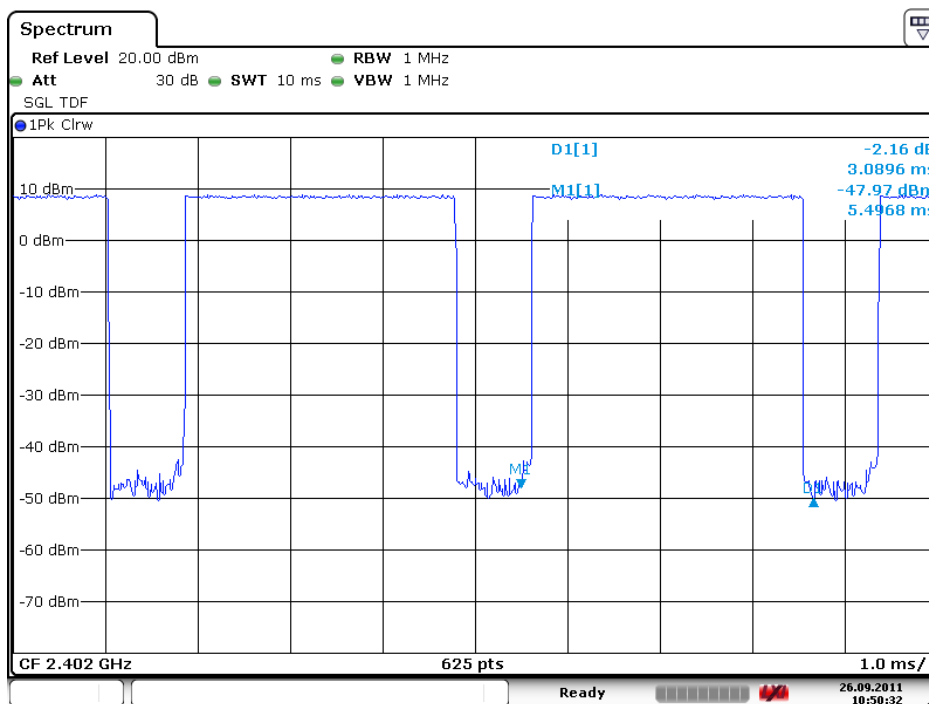

Date: 26.SEP.2011 10:23:22

Test Plot of Time of Occupancy, 8DPSK modulation
3DH1


Date: 26.SEP.2011 10:48:07

3DH3


Date: 26.SEP.2011 10:48:58

3DH5


Date: 26.SEP.2011 10:50:32

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Test Report No.

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5.1.9 Mains Conducted Emission

RESULT:**Passed**

Date of testing	:	2011-09-26
Test standard	:	FCC part 15.207(a) RSS-210 Clause 2.6
Basic standard	:	ANSI C63.4: 2003
Limits	:	Refer to 15.207(a)
Kind of test site	:	Shield room

Test setup

Test Channel	:	Hopping
Operation mode	:	A, C
Ambient temperature	:	26°C
Relative humidity	:	37%
Atmospheric pressure	:	101 kPa

Remark: For details refer to Appendix 2.

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Passed**

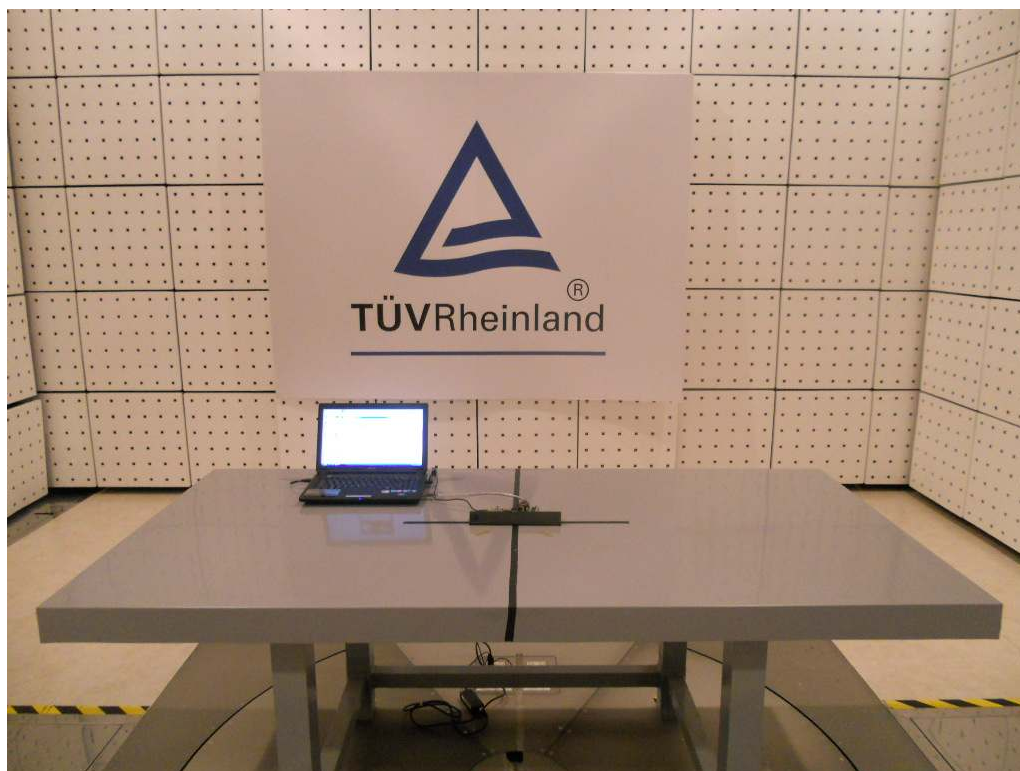
Test standard : FCC KDB Publication 447498
RSS-102 Issue 4

Since maximum peak output power of the transmitter is $<60/f(\text{GHz})\text{mW}$, i.e. $13\text{mW} < 25(=60/2.4)\text{mW}$, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

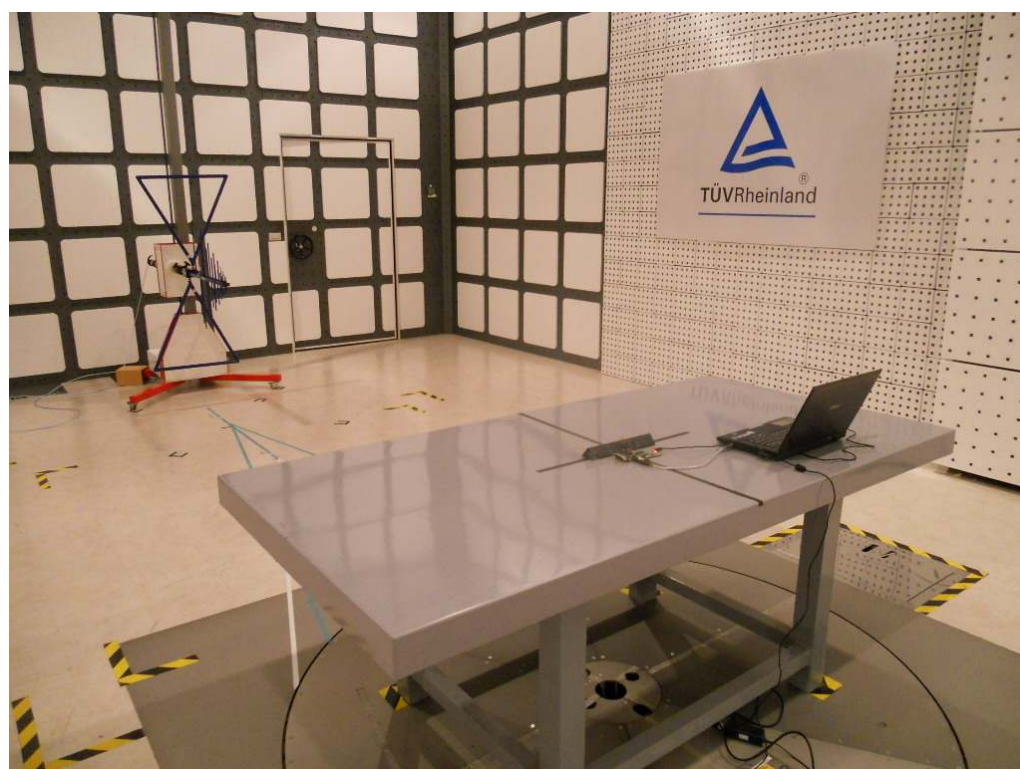
The maximum peak output power of the transmitter is 13 mW (11.09dBm) only, which less than 20mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4.

7. Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions (Front View)



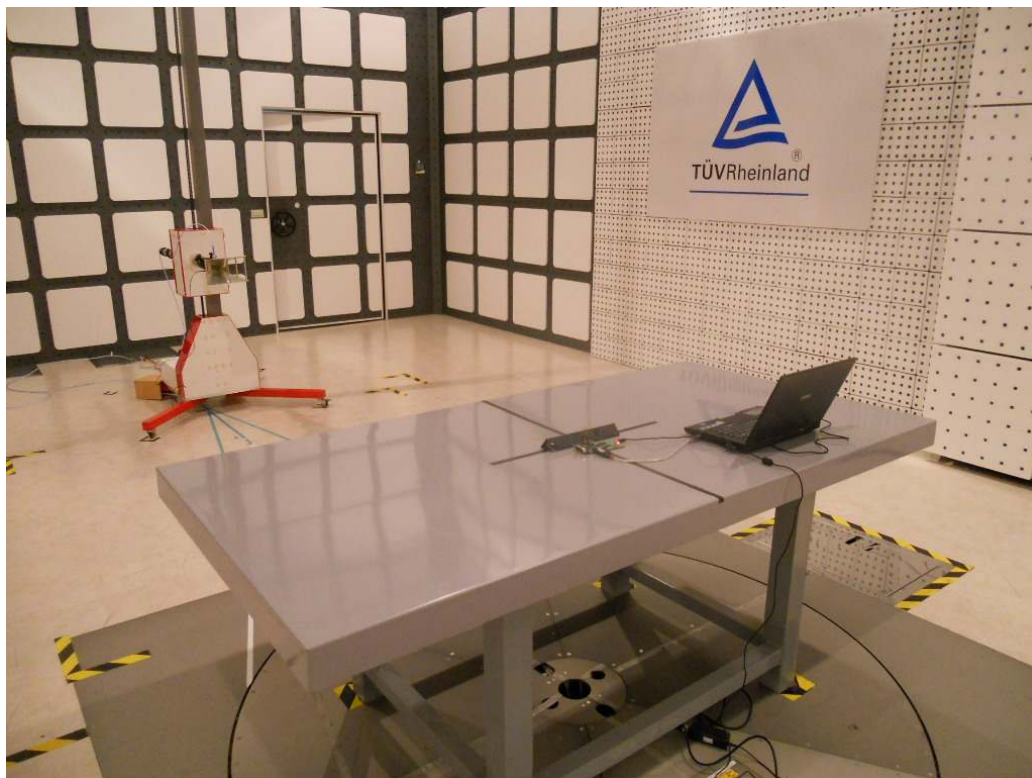
Photograph 2: Set-up for Spurious Emissions (Back View 1)



Photograph 3: Set-up for Spurious Emissions (Back View 2)



Photograph 4: Set-up for Spurious Emissions (Back View 3)



Photograph 5: Set-up for Conducted Emissions(Operate Front View)



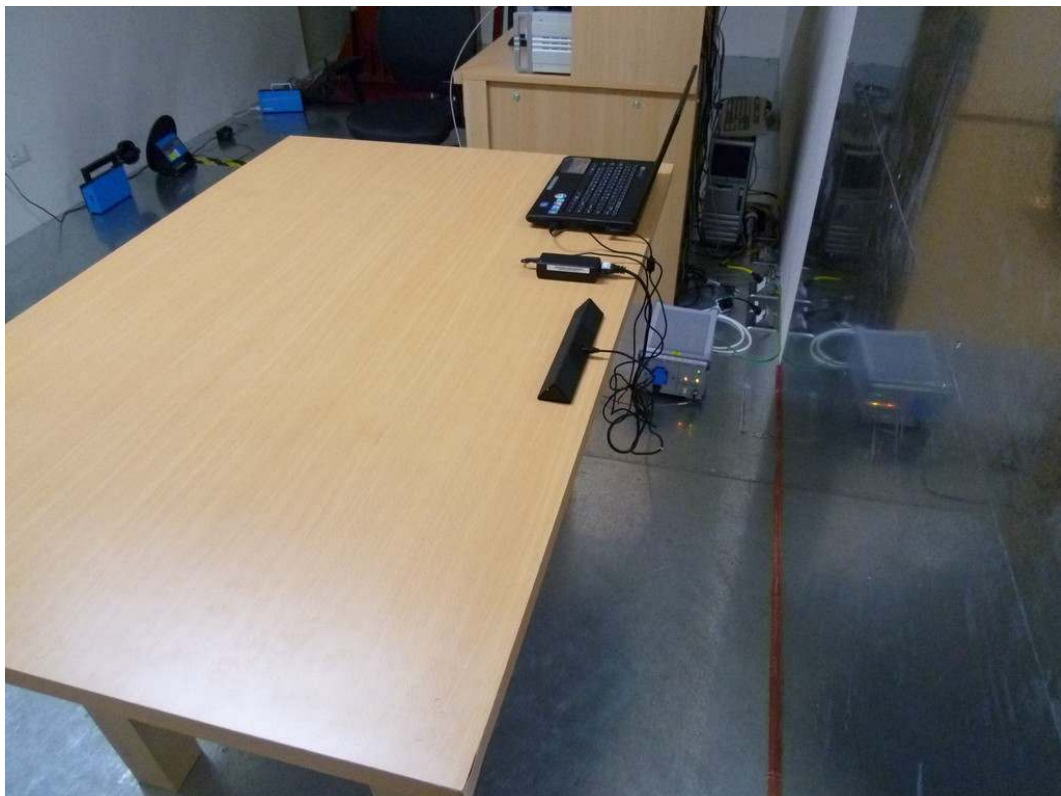
Photograph 6: Set-up for Conducted Emissions(Operate Back View)



Photograph 7: Set-up for Conducted Emissions(Charge Front View)



Photograph 8: Set-up for Conducted Emissions(Charge Back View)



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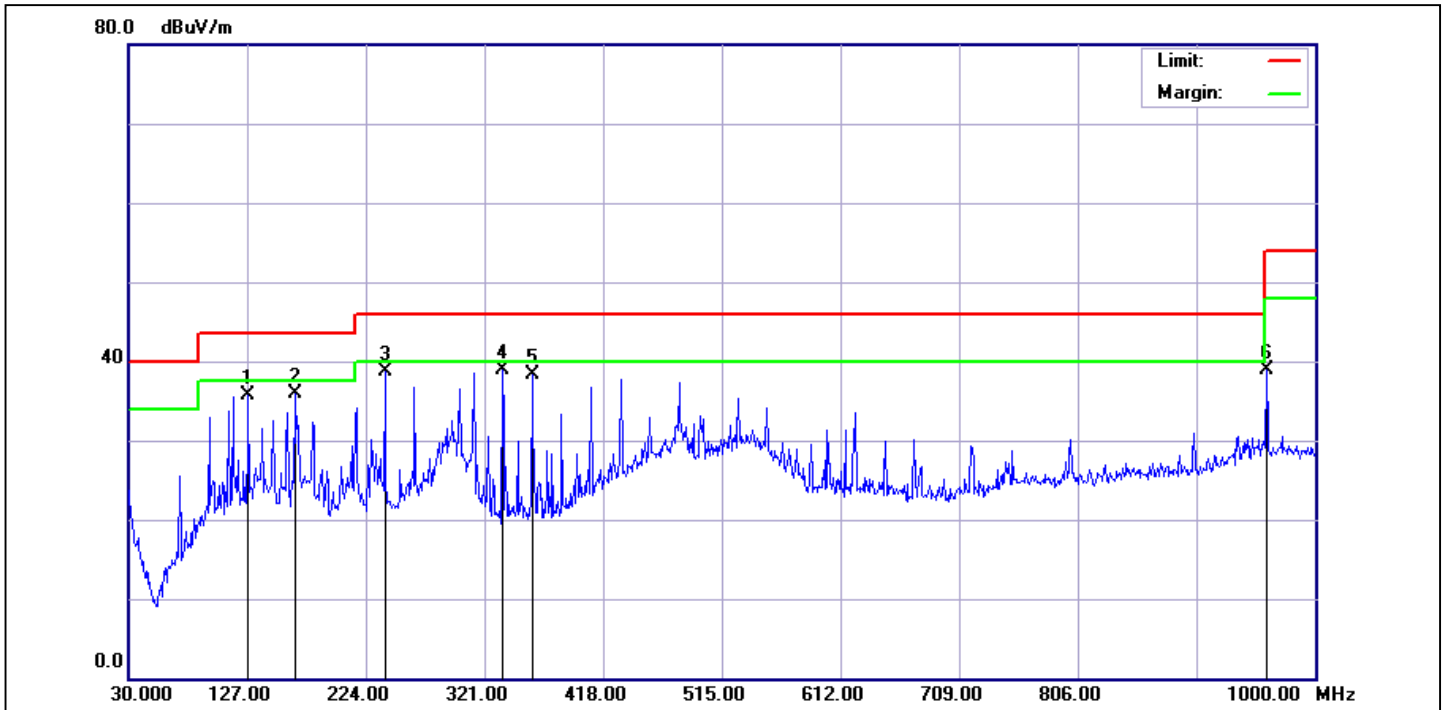
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Appendix 1: Test Result of Radiated Emissions

(File: 113148905_Radiated)



Service No.: 113148905

Test Standard: FCC Class B 3M Radiation

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

Test Rating: AC 120V/60Hz

Test Engineer: Benosn Yang

Test Mode:

Remark: 15C

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	127.9699	-13.76	49.48	35.72	43.50	-7.78	peak	300	360	P	
2	165.8000	-15.29	51.12	35.83	43.50	-7.67	peak	300	199	P	
3	239.5200	-14.27	53.00	38.73	46.00	-7.27	peak	200	0	P	
4	335.5500	-10.50	49.39	38.89	46.00	-7.11	peak	100	123	P	
5	359.8000	-9.94	48.18	38.24	46.00	-7.76	peak	100	96	P	
6	960.2300	0.06	38.77	38.83	54.00	-15.17	peak	100	306	P	



Service No.: 113148905

Test Standard: FCC Class B 3M Radiation

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

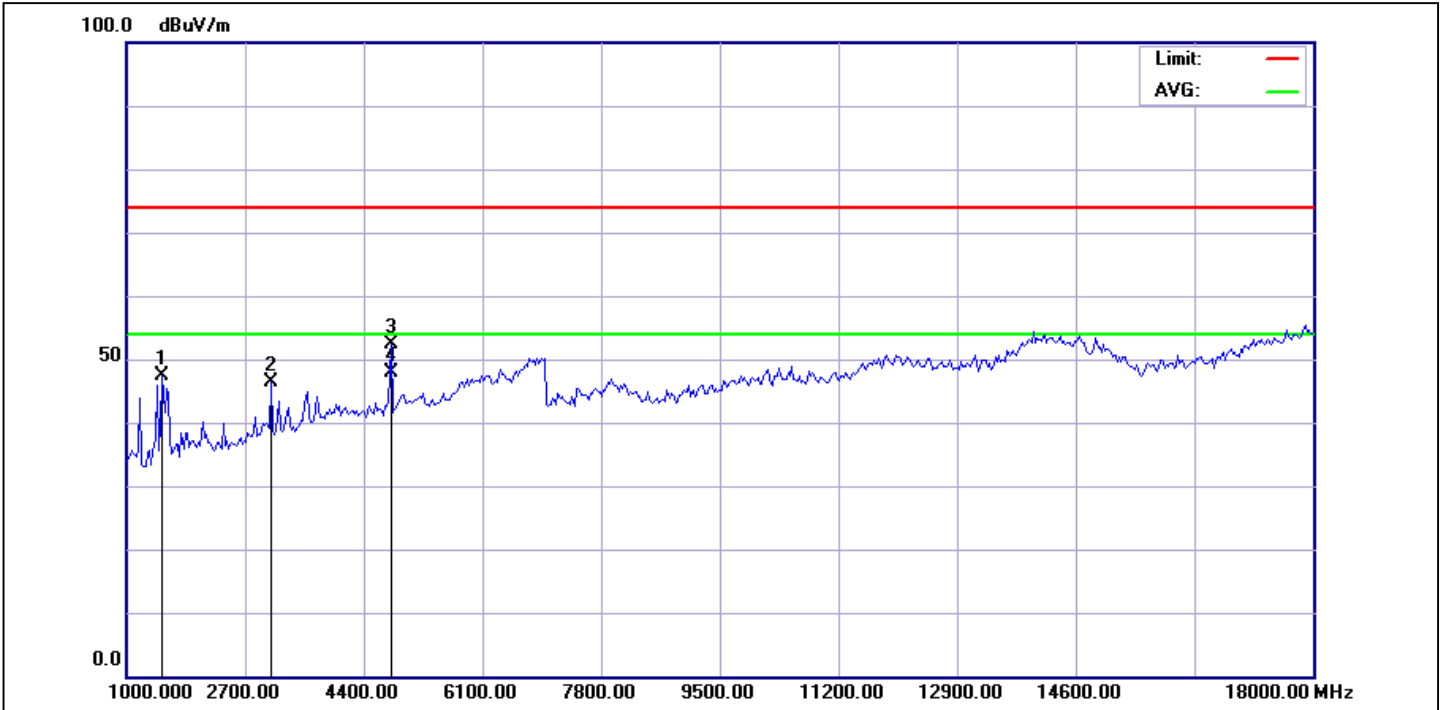
Test Rating: AC 120V/60Hz

Test Engineer: Benosn Yang

Test Mode:

Remark: 15C

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	62.9800	-20.79	52.32	31.53	40.00	-8.47	QP	300	0	P	
2	90.1400	-17.03	45.26	28.23	43.50	-15.27	QP	100	41	P	
3	135.7300	-13.60	41.07	27.47	43.50	-16.03	QP	100	161	P	
4	229.8200	-14.87	45.39	30.52	46.00	-15.48	QP	100	161	P	
5	497.5400	-7.66	40.63	32.97	46.00	-13.03	QP	100	0	P	
6	622.6700	-5.60	36.98	31.38	46.00	-14.62	QP	100	128	P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

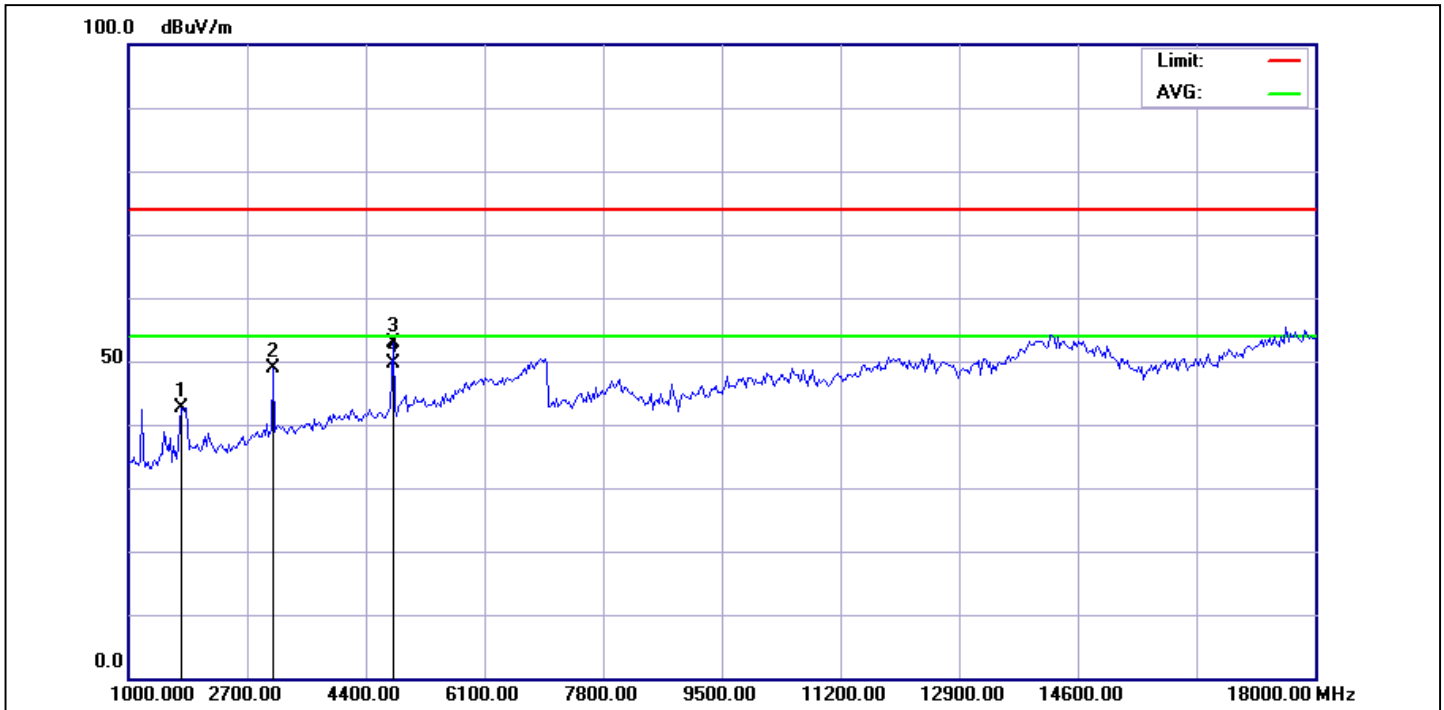
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1517.628	1.94	45.35	47.29	74.00	-26.71	peak			P	
2	3070.513	7.98	38.43	46.41	74.00	-27.59	peak			P	
3	4786.859	11.07	41.25	52.32	74.00	-21.68	peak			P	
4	4786.859	11.07	36.91	47.98	54.00	-6.02	AVG			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

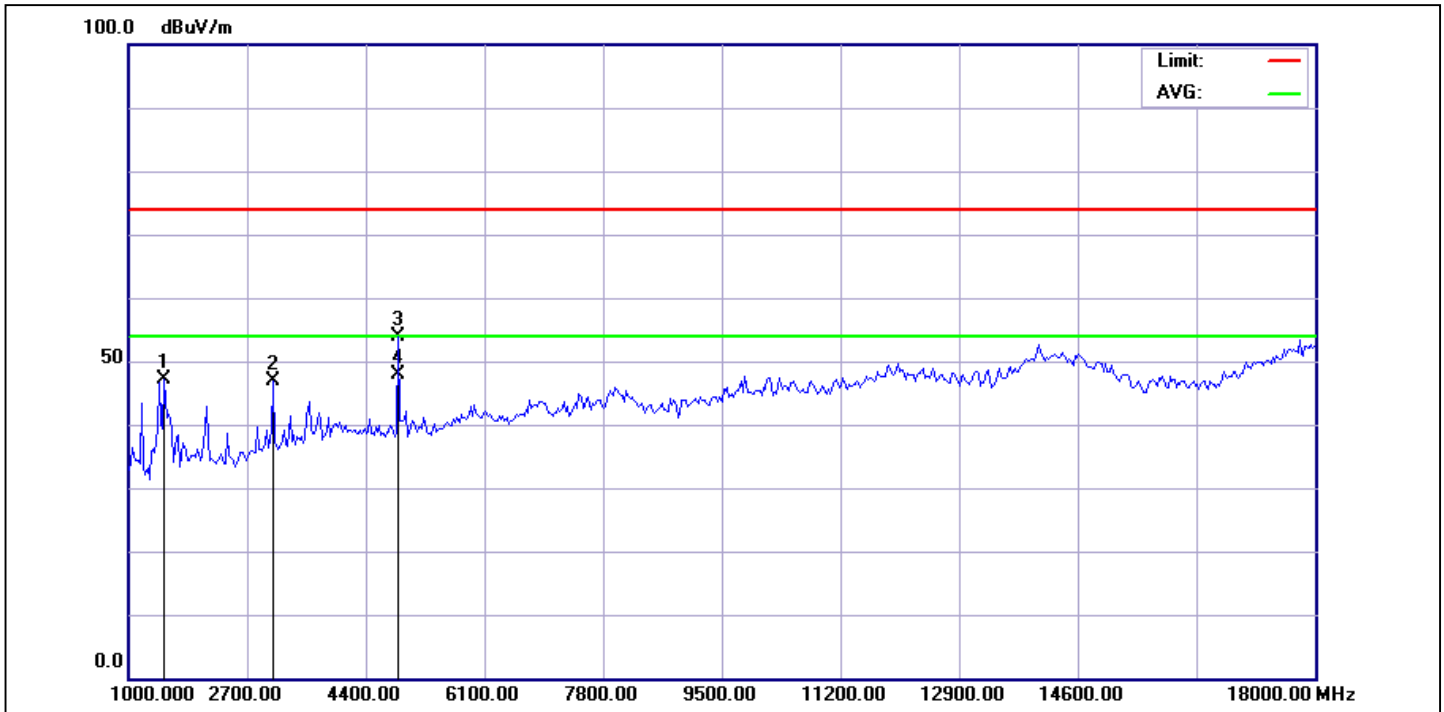
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1762.821	3.70	38.97	42.67	74.00	-31.33	peak			P	
2	3070.513	7.98	40.93	48.91	74.00	-25.09	peak			P	
3	4786.859	11.07	41.92	52.99	74.00	-21.01	peak			P	
4	4786.859	11.07	38.44	49.51	54.00	-4.49	AVG			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

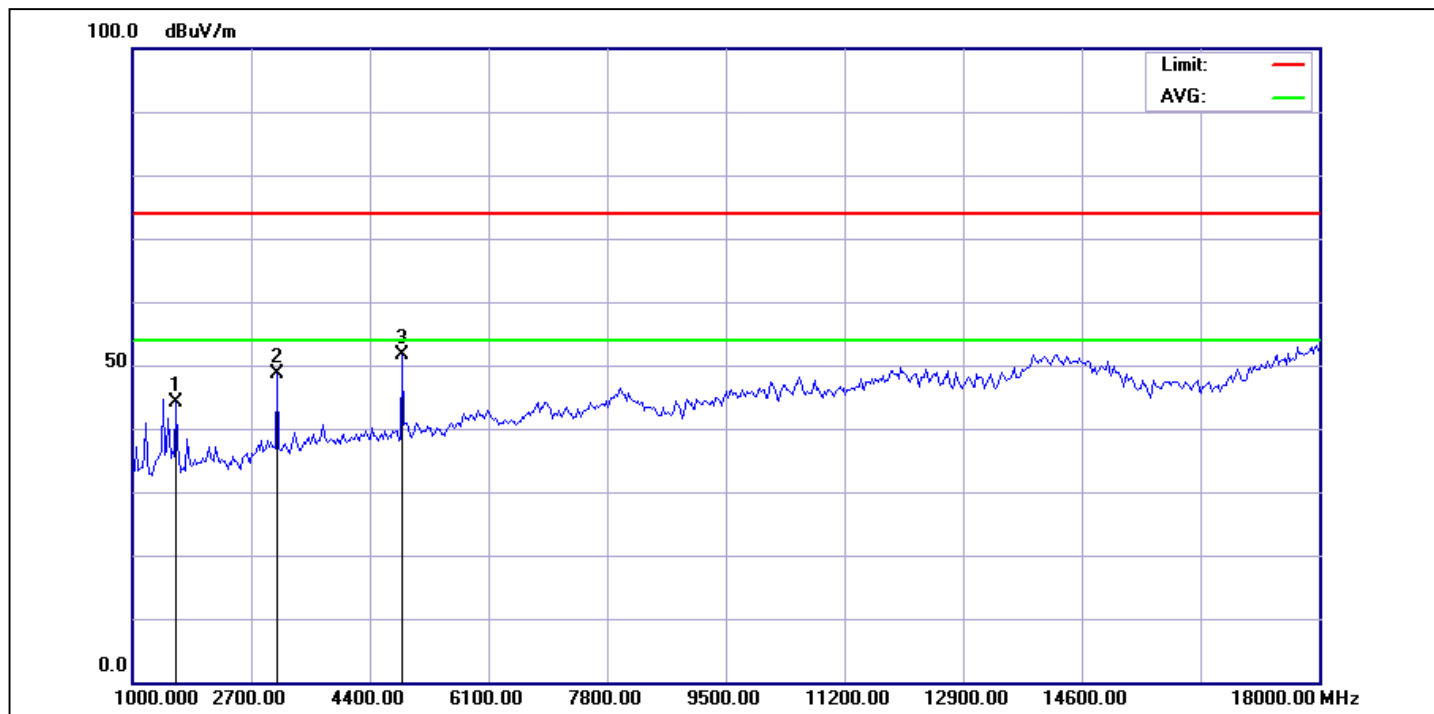
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1517.628	1.94	45.29	47.23	74.00	-26.77	peak			P	
2	3070.513	7.98	38.78	46.76	74.00	-27.24	peak			P	
3	4868.590	11.34	42.44	53.78	74.00	-20.22	peak			P	
4	4868.590	11.34	36.48	47.82	54.00	-6.18	AVG			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

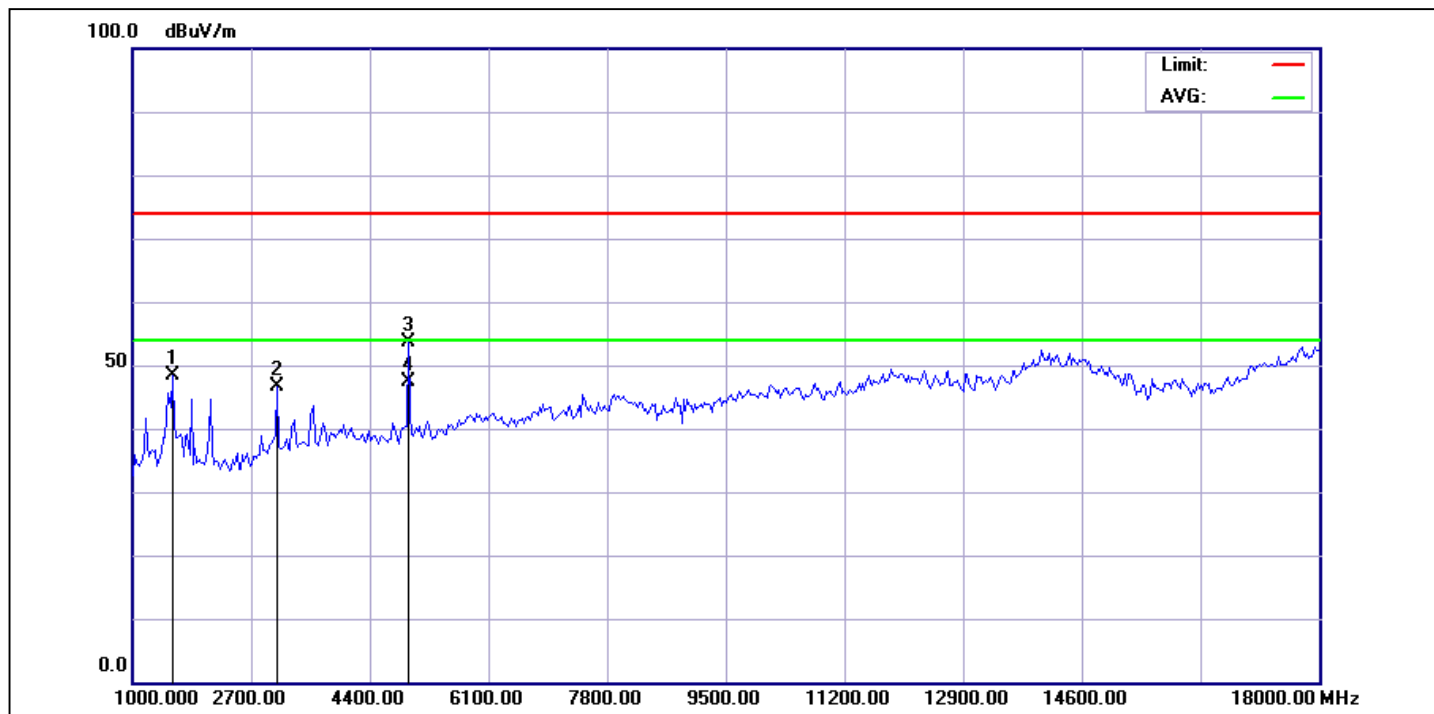
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1626.603	2.73	41.44	44.17	74.00	-29.83	peak			P	
2	3070.513	7.98	40.55	48.53	74.00	-25.47	peak			P	
3	4868.590	11.34	40.38	51.72	74.00	-22.28	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

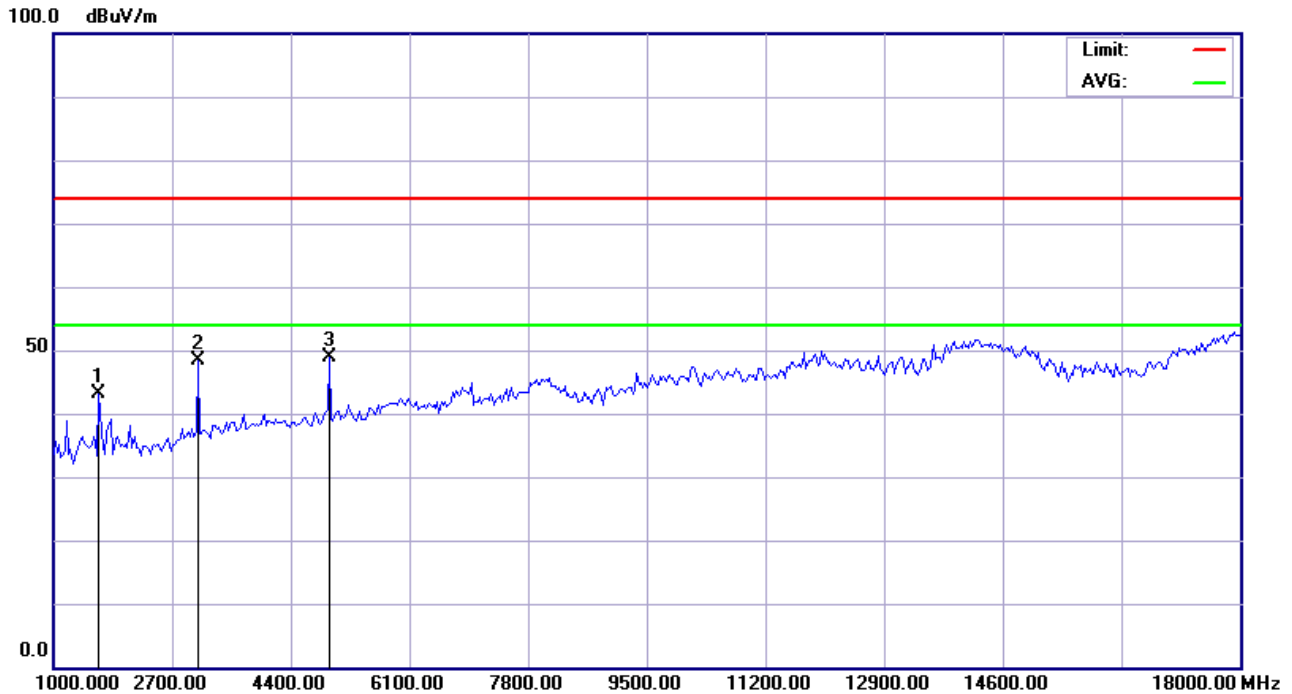
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1572.115	2.33	46.03	48.36	74.00	-25.64	peak			P	
2	3070.513	7.98	38.64	46.62	74.00	-27.38	peak			P	
3	4950.321	11.60	42.12	53.72	74.00	-20.28	peak			P	
4	4950.321	11.60	35.81	47.41	54.00	-6.59	AVG			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

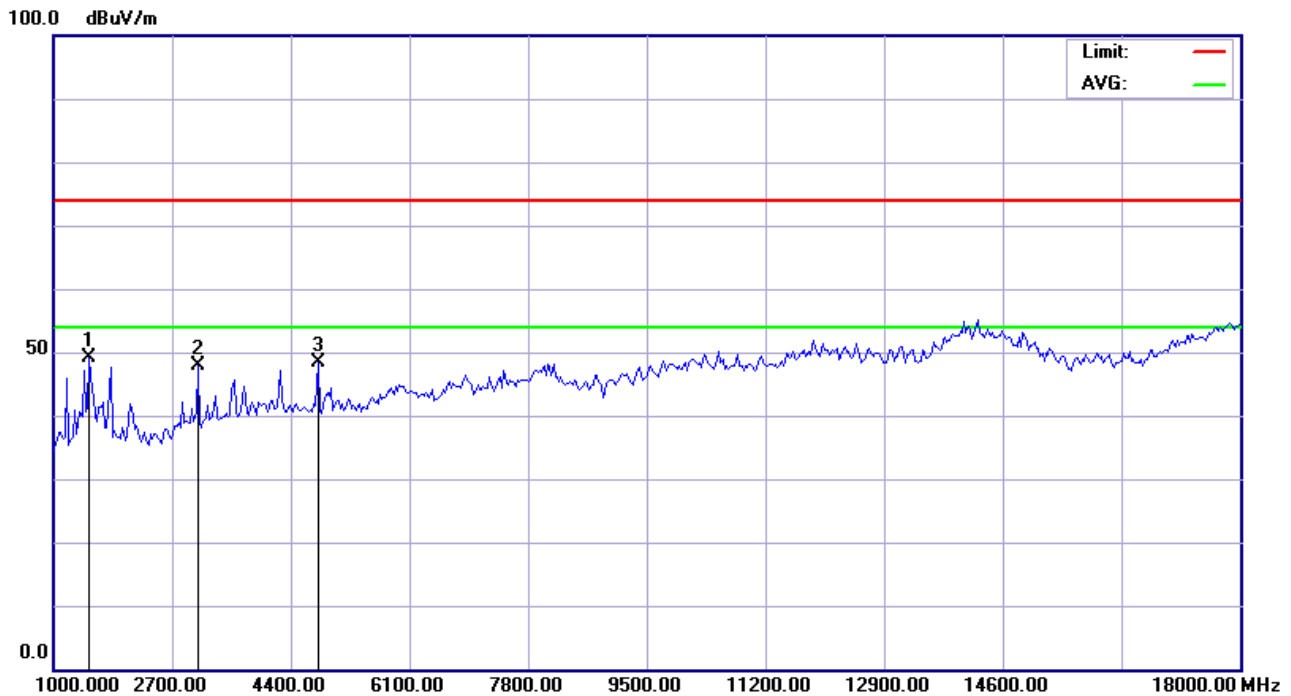
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1653.846	2.92	40.24	43.16	74.00	-30.84	peak			P	
2	3070.513	7.98	40.43	48.41	74.00	-25.59	peak			P	
3	4950.321	11.60	37.38	48.98	74.00	-25.02	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

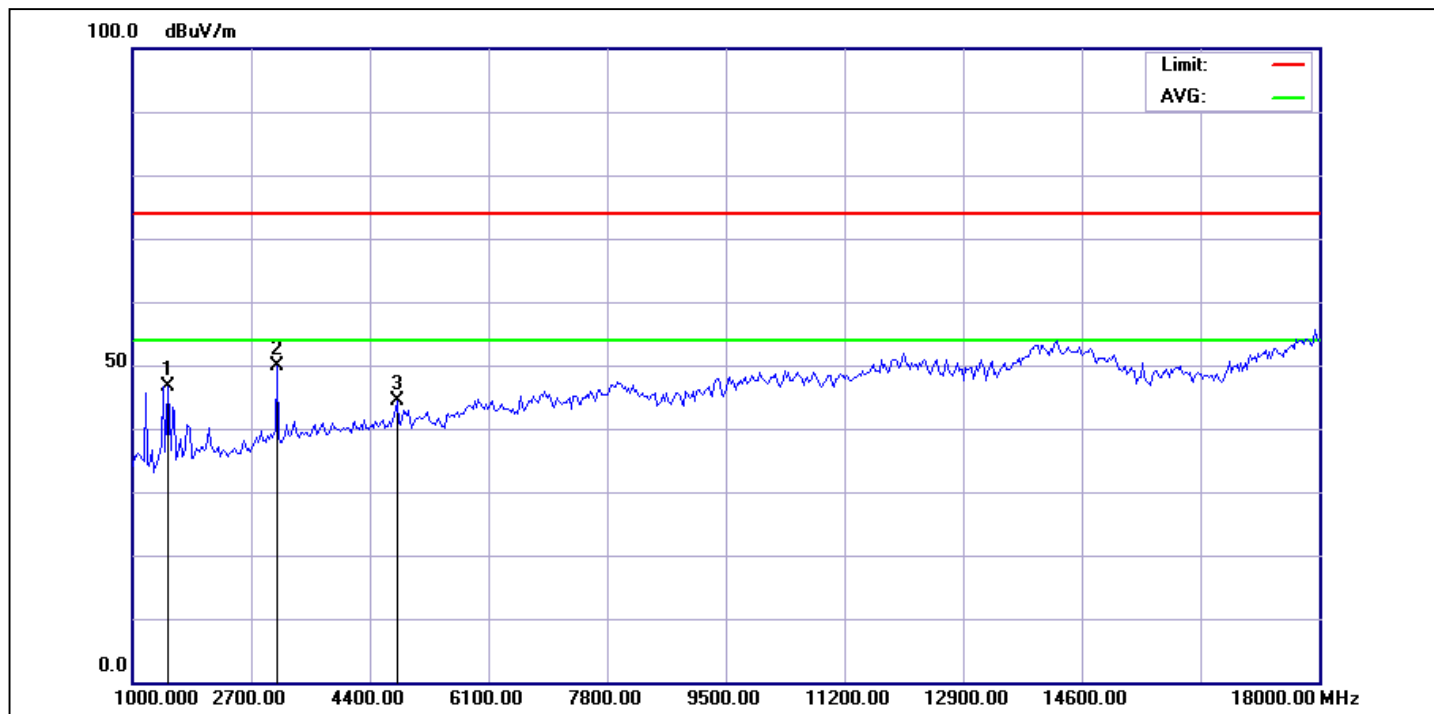
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1517.628	3.94	45.28	49.22	74.00	-24.78	peak			P	
2	3070.513	9.98	37.79	47.77	74.00	-26.23	peak			P	
3	4786.859	13.07	35.33	48.40	74.00	-25.60	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

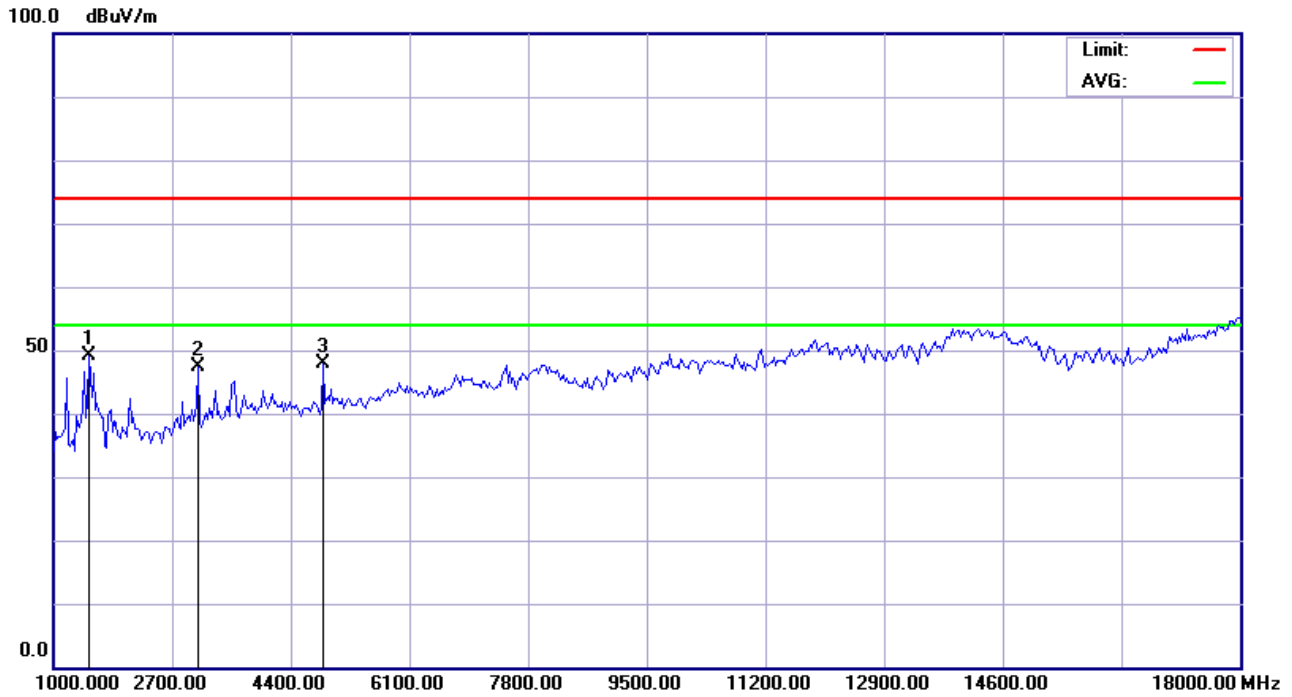
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1517.628	3.94	42.68	46.62	74.00	-27.38	peak			P	
2	3070.513	9.98	39.89	49.87	74.00	-24.13	peak			P	
3	4786.859	13.07	31.24	44.31	74.00	-29.69	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

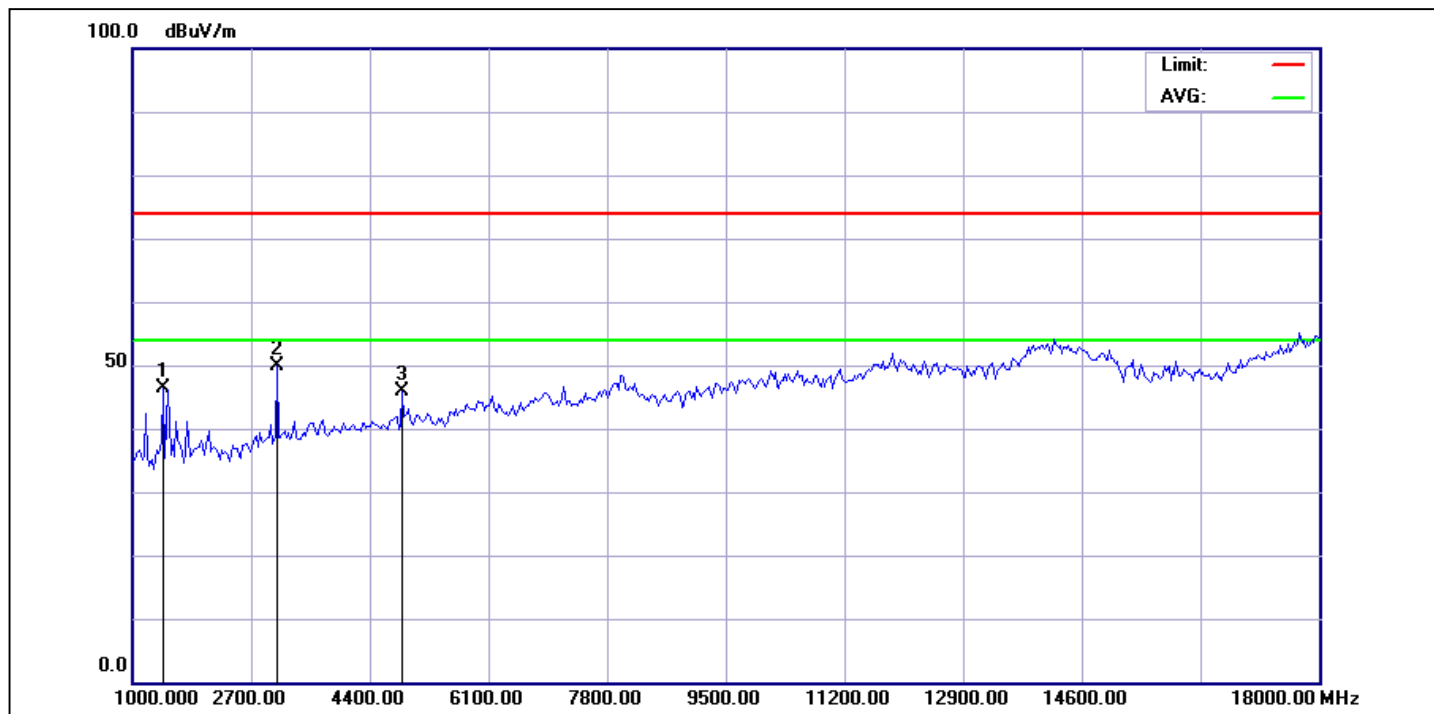
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1517.628	3.94	45.07	49.01	74.00	-24.99	peak			P	
2	3070.513	9.98	37.35	47.33	74.00	-26.67	peak			P	
3	4868.590	13.34	34.55	47.89	74.00	-26.11	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

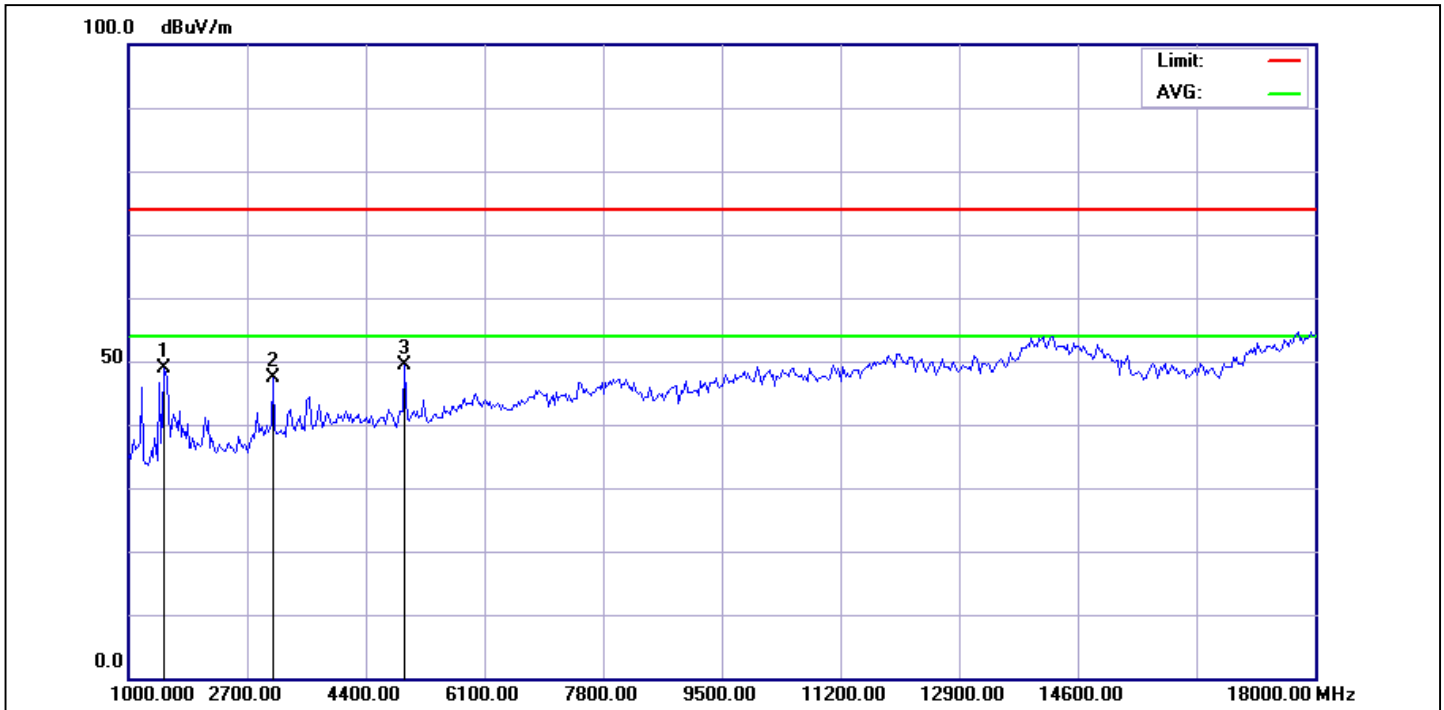
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1435.897	3.76	42.64	46.40	74.00	-27.60	peak			P	
2	3070.513	9.98	39.88	49.86	74.00	-24.14	peak			P	
3	4868.590	13.34	32.64	45.98	74.00	-28.02	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

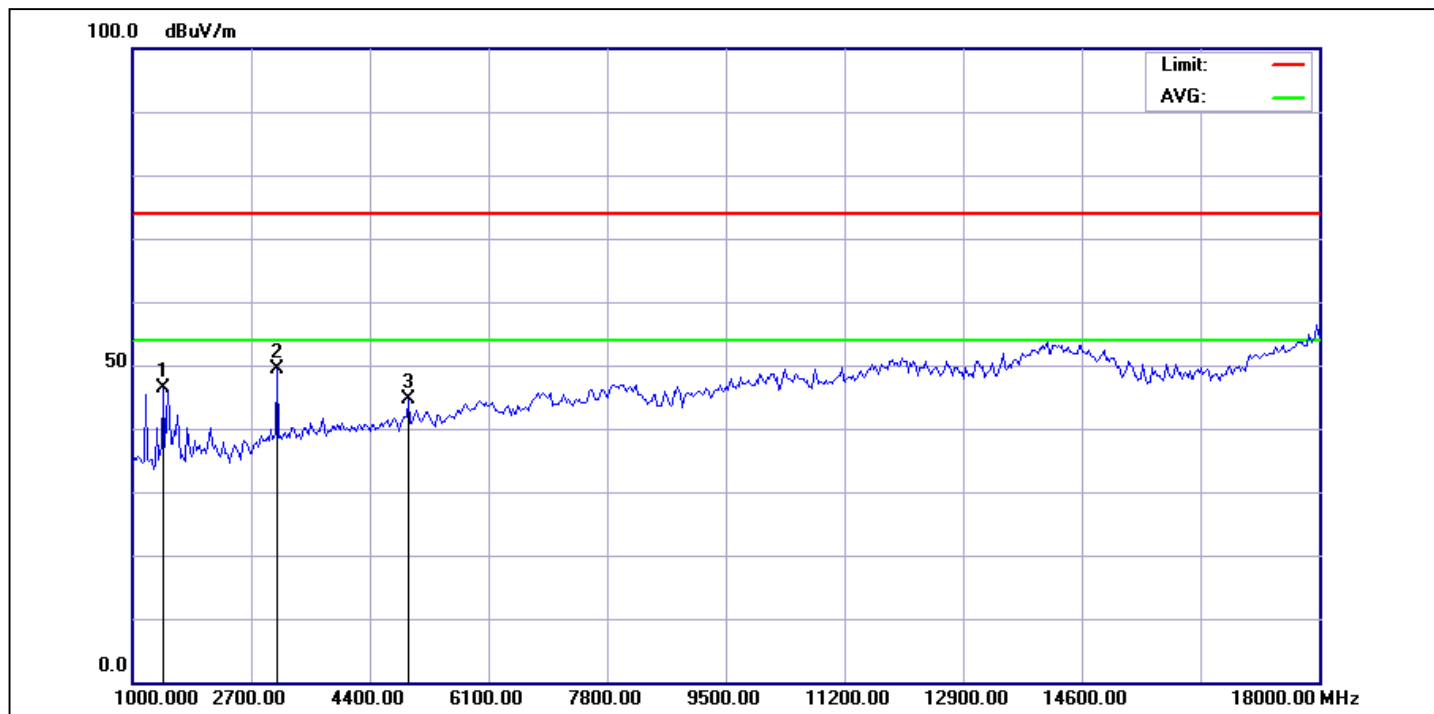
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2480 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1517.628	3.94	44.83	48.77	74.00	-25.23	peak			P	
2	3070.513	9.98	37.38	47.36	74.00	-26.64	peak			P	
3	4950.321	13.60	35.84	49.44	74.00	-24.56	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

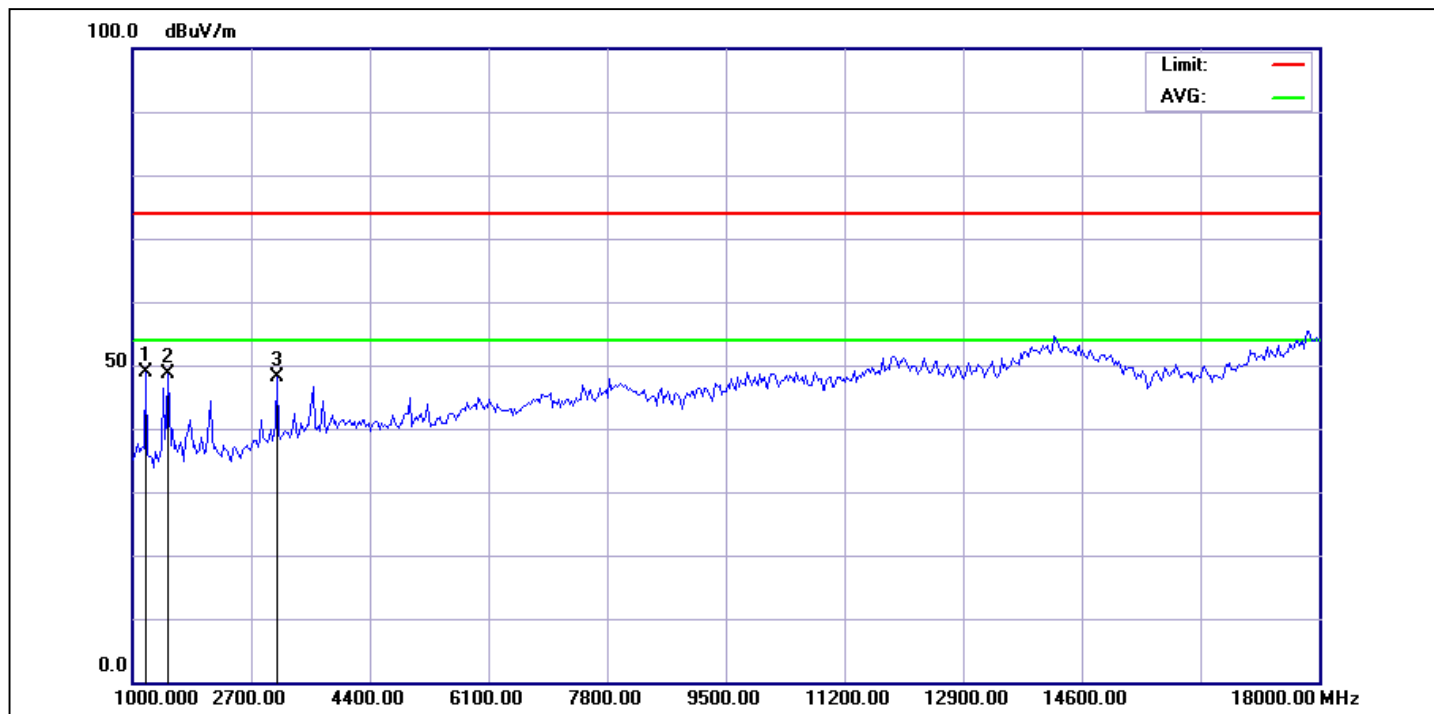
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2480 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1435.897	3.76	42.58	46.34	74.00	-27.66	peak			P	
2	3070.513	9.98	39.30	49.28	74.00	-24.72	peak			P	
3	4950.321	13.60	31.14	44.74	74.00	-29.26	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

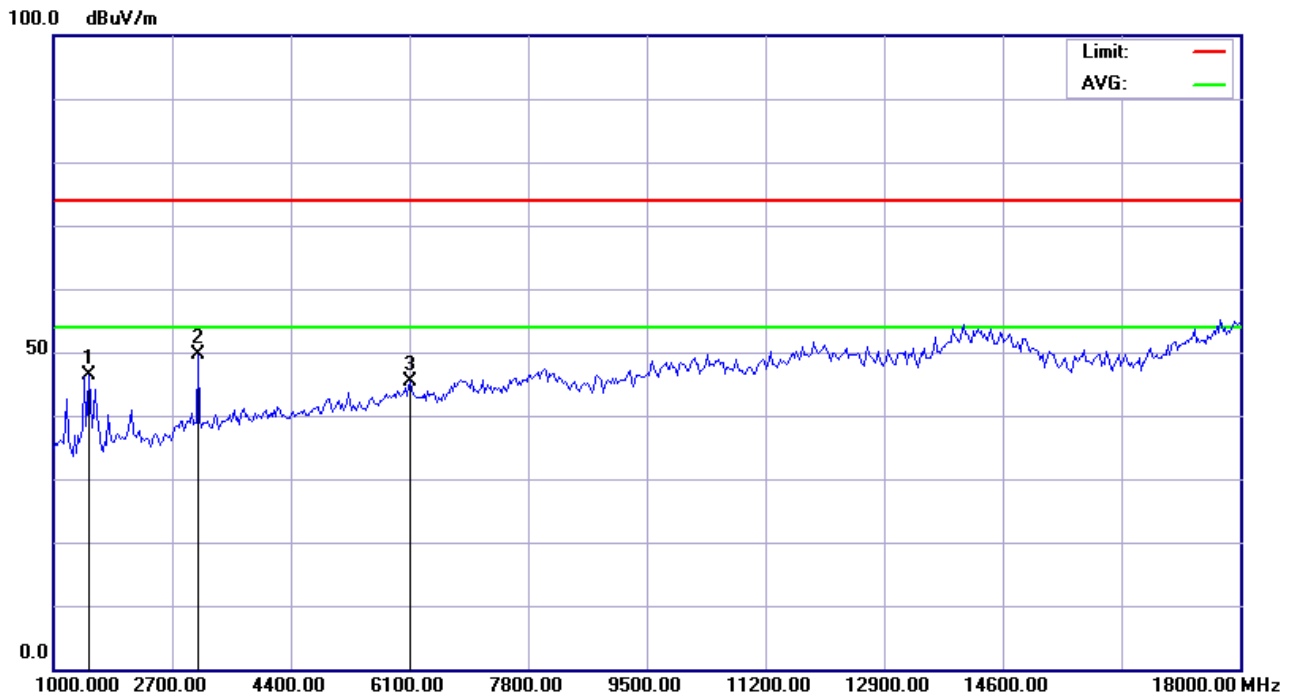
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: RX 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1190.705	3.53	45.43	48.96	74.00	-25.04	peak			P	
2	1517.628	3.94	44.77	48.71	74.00	-25.29	peak			P	
3	3070.513	9.98	38.27	48.25	74.00	-25.75	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

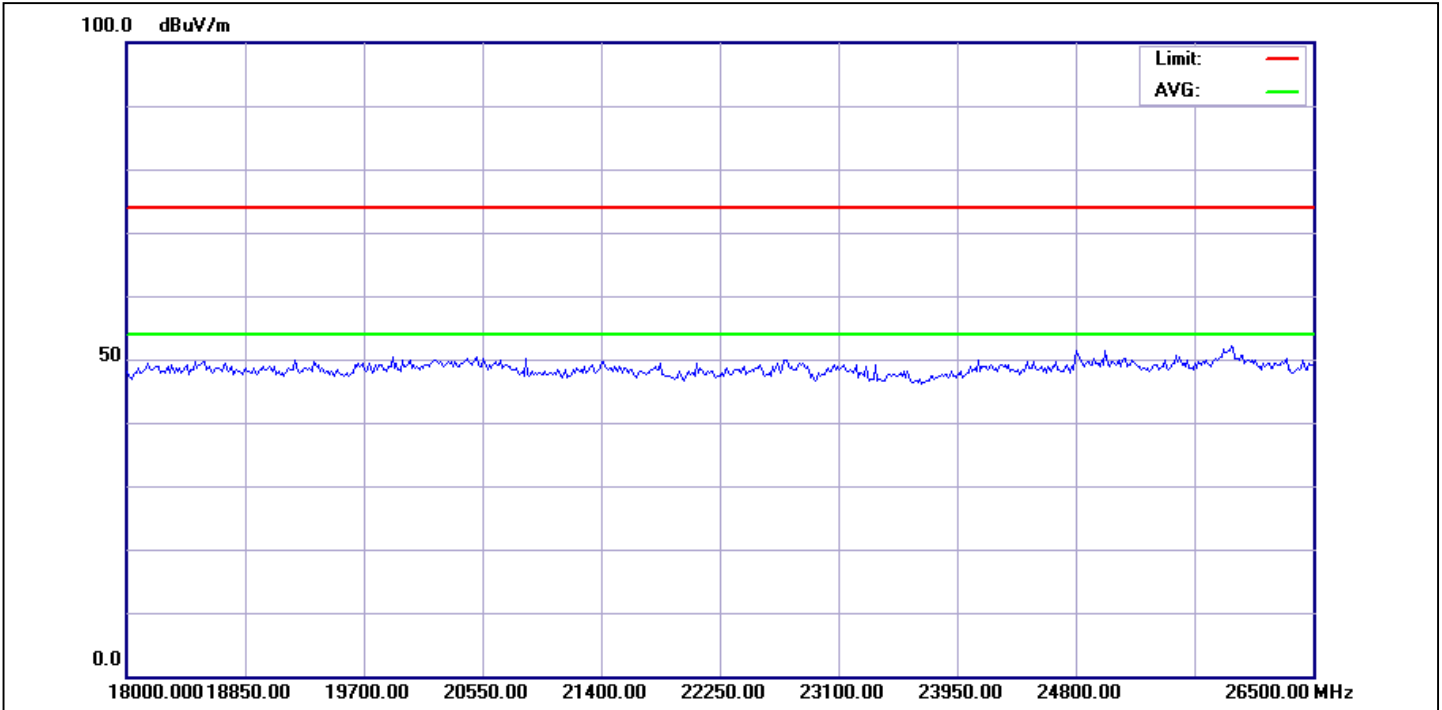
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: RX 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
1	1517.628	3.94	42.51	46.45	74.00	-27.55	peak			P	
2	3070.513	9.98	39.63	49.61	74.00	-24.39	peak			P	
3	6121.795	17.10	28.18	45.28	74.00	-28.72	peak			P	



Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

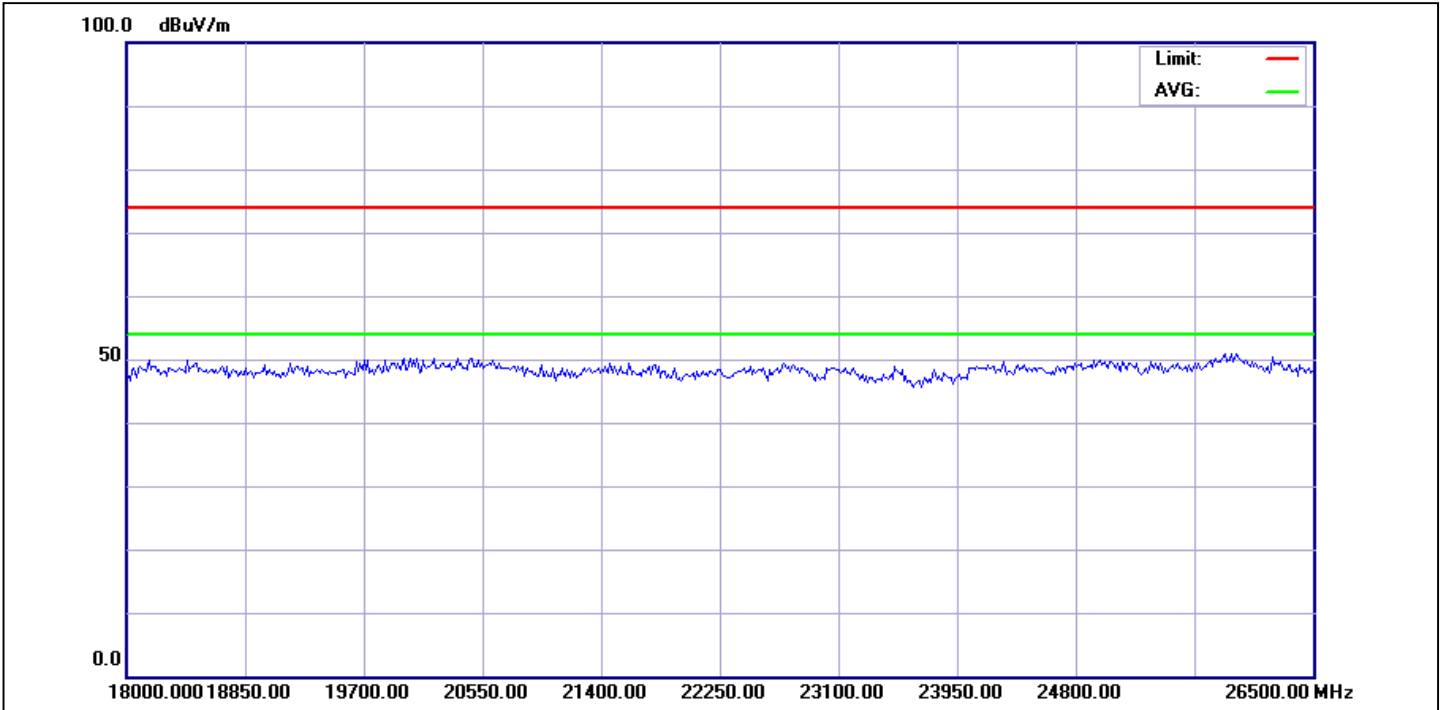
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: RX 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

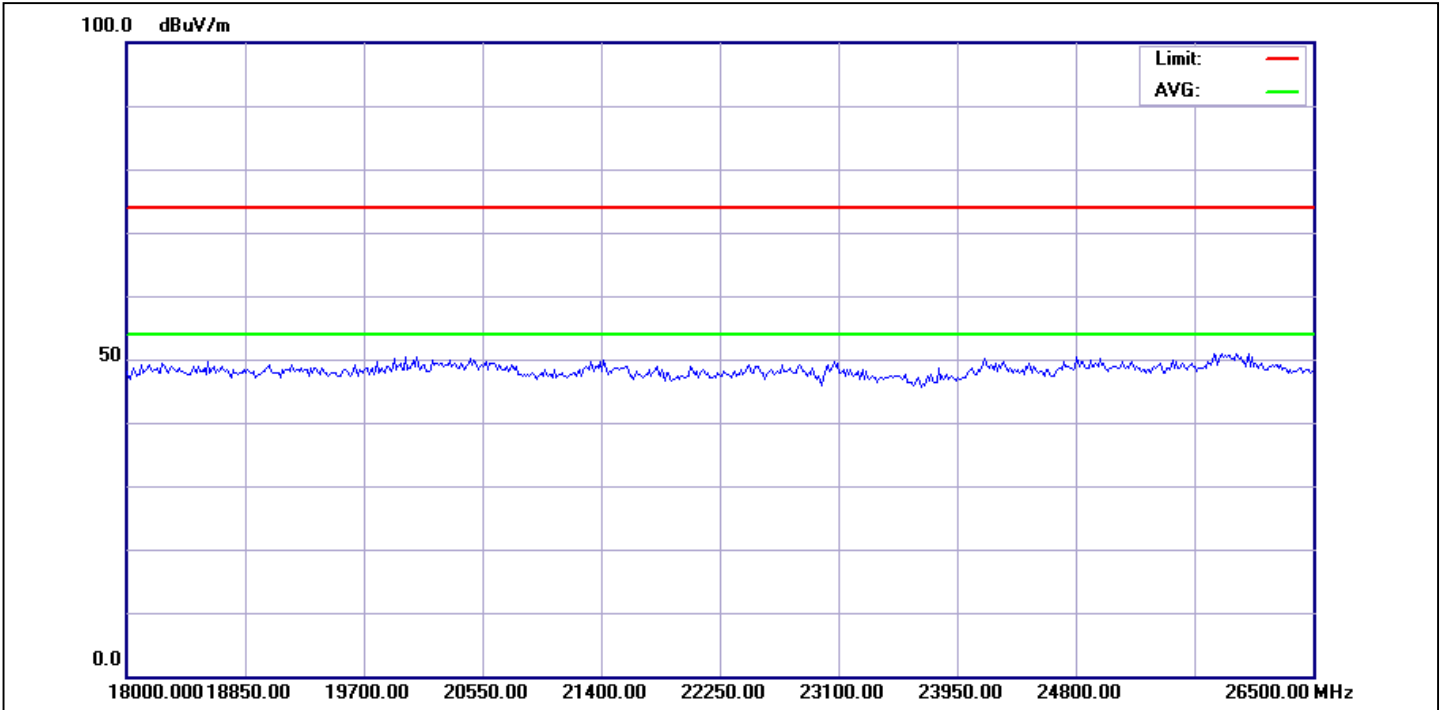
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: RX 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

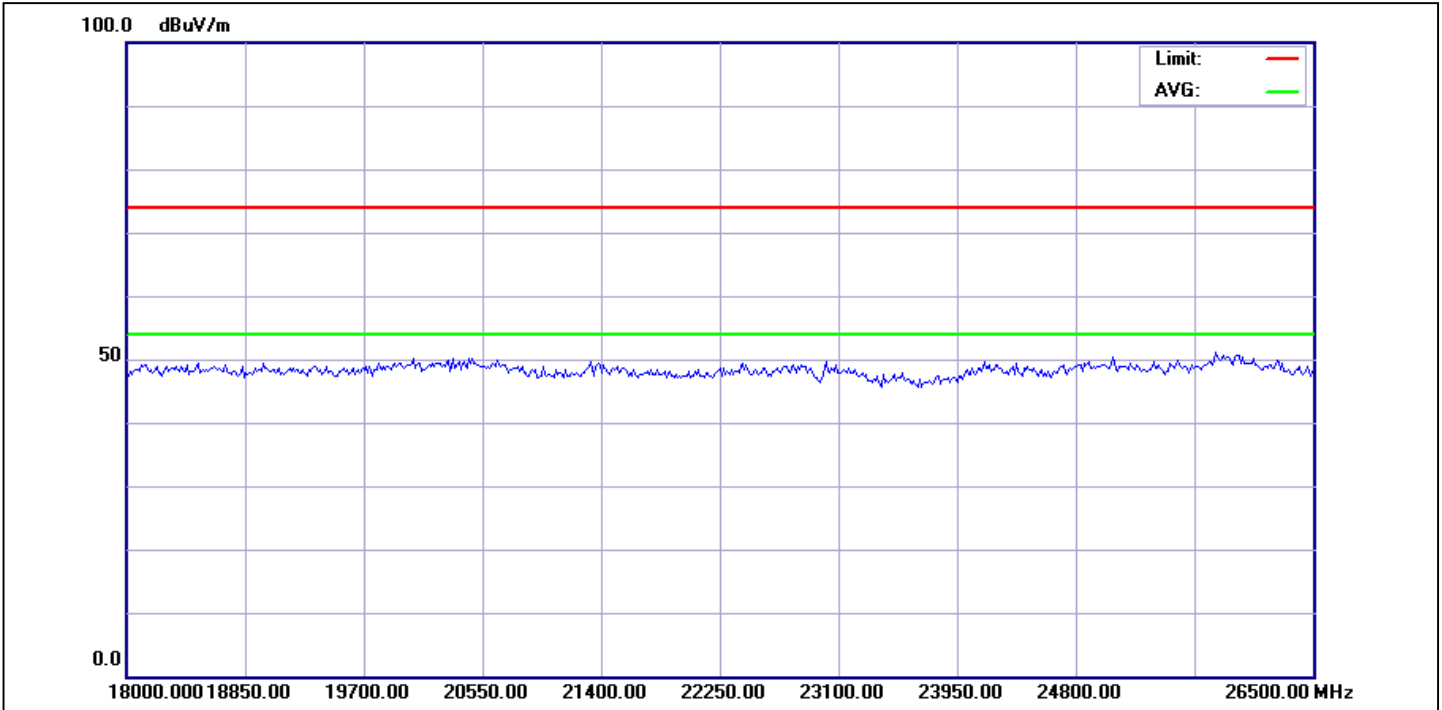
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

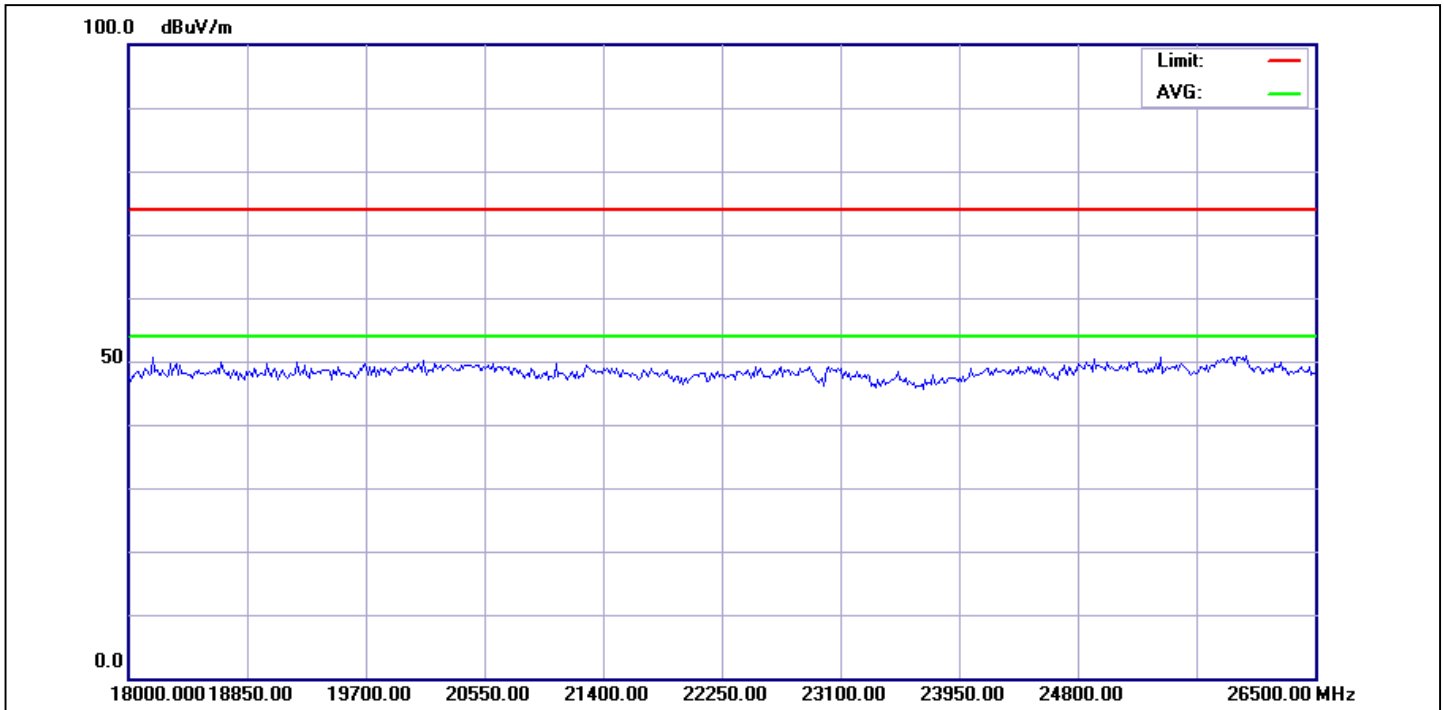
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

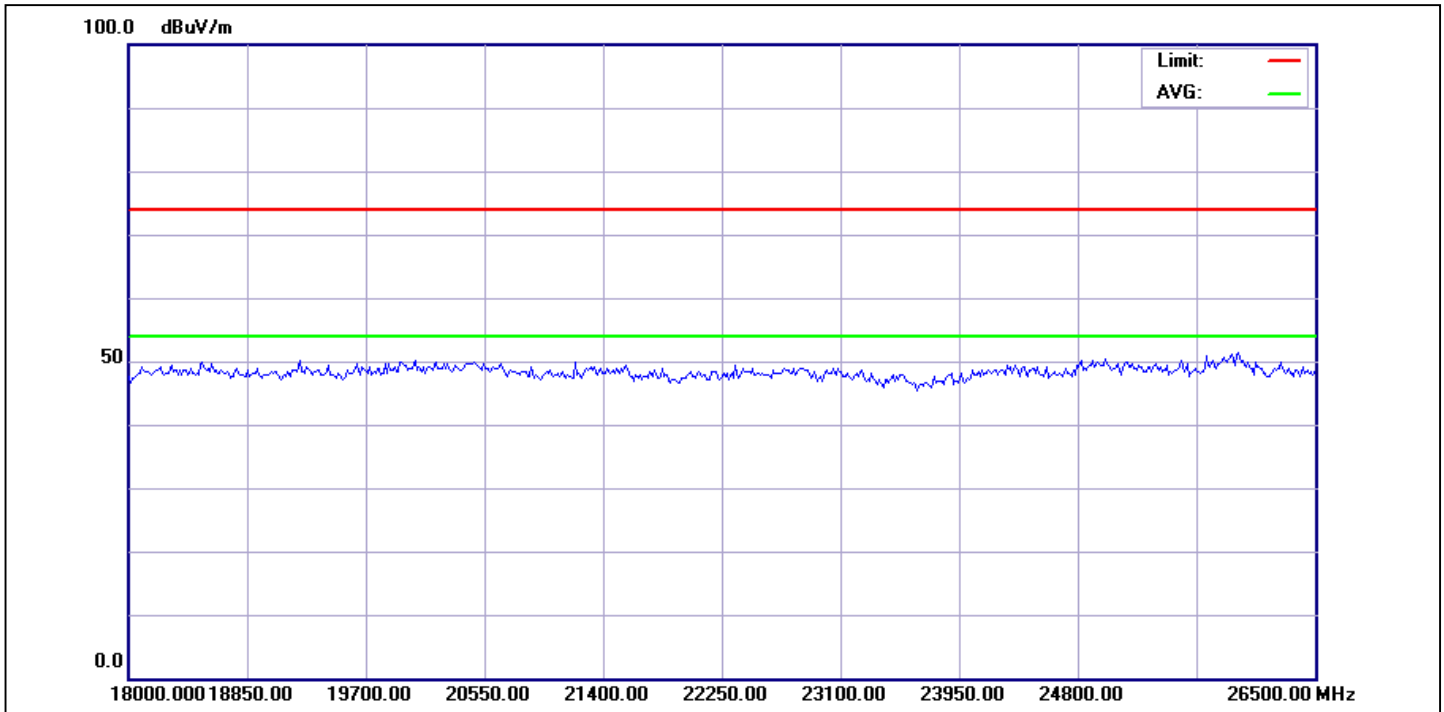
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

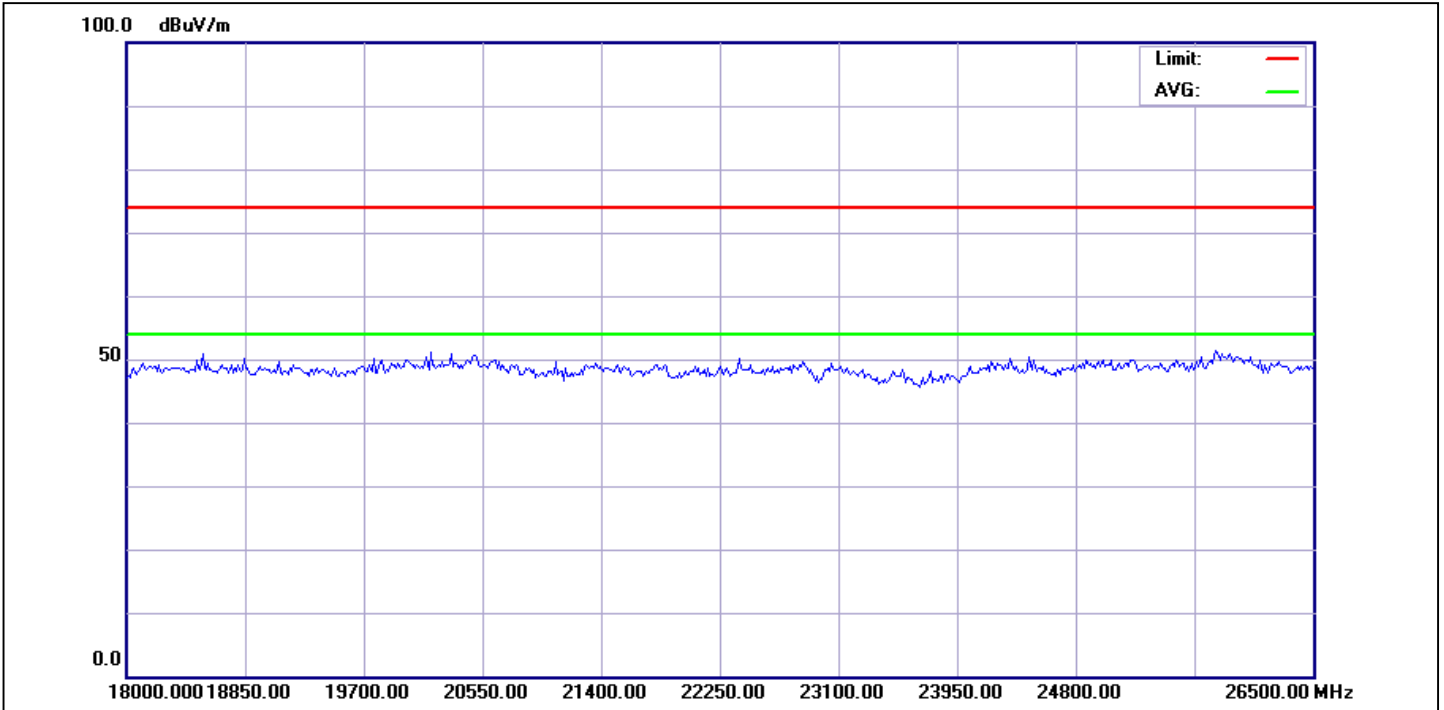
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441

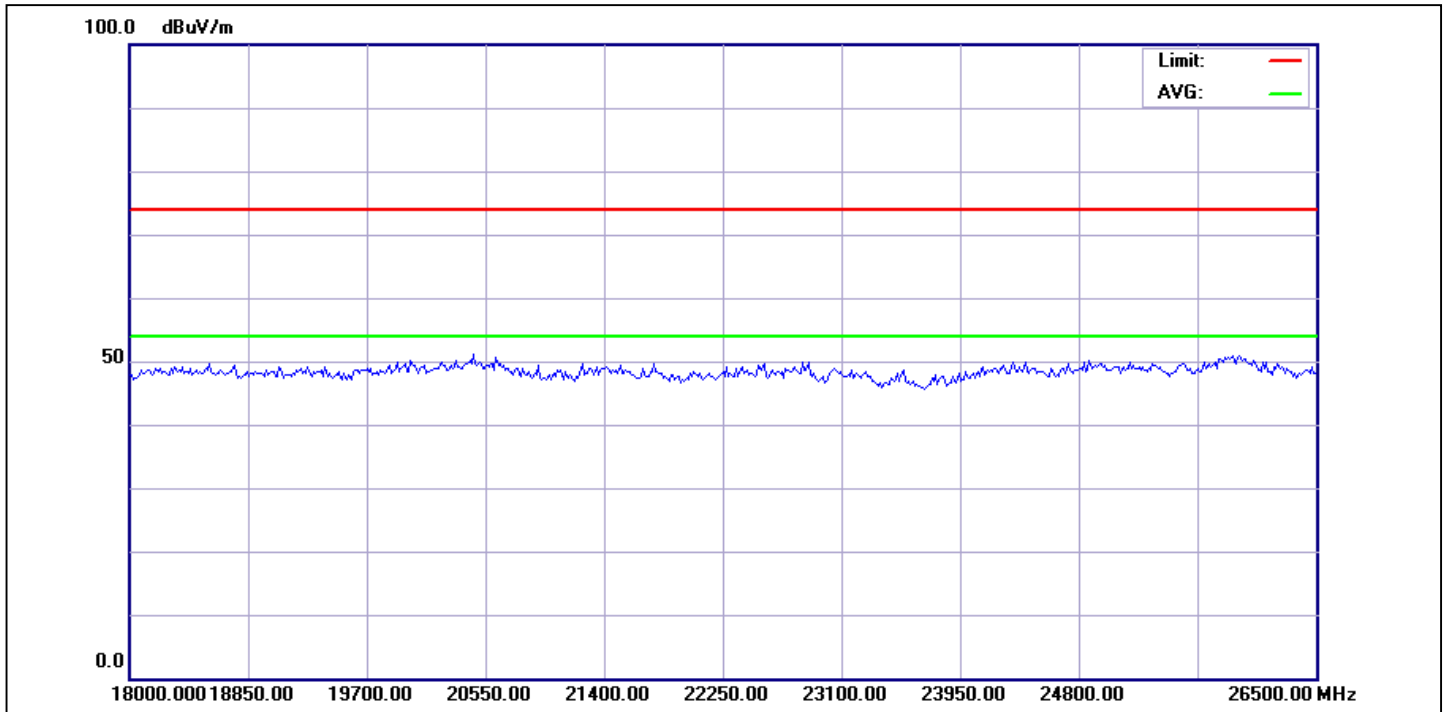
Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905		Test Distance: 3m	
Test Standard: FCC above 1G PEAK		Ant. Polarization: Vertical	
Test item: Radiation Emission		Temp.(°C)/Hum.(%): 24(°C) / 50 %	
Applicant: Meiloon Industrail		Test Rating: AC 120V/60Hz	
Product: Buletooth Speaker		Test Engineer: Hugo Chang	
Model No.: BT Speaker			
Test Mode: 2480			
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

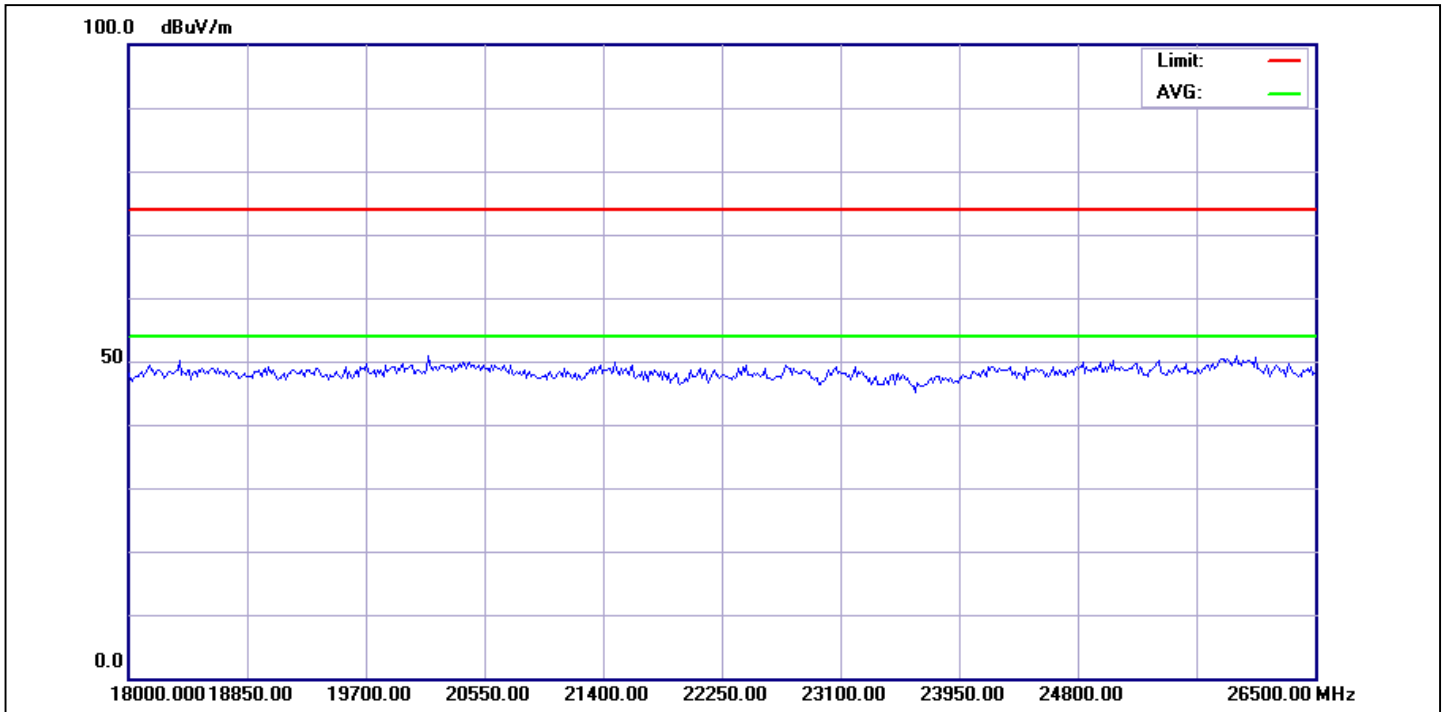
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

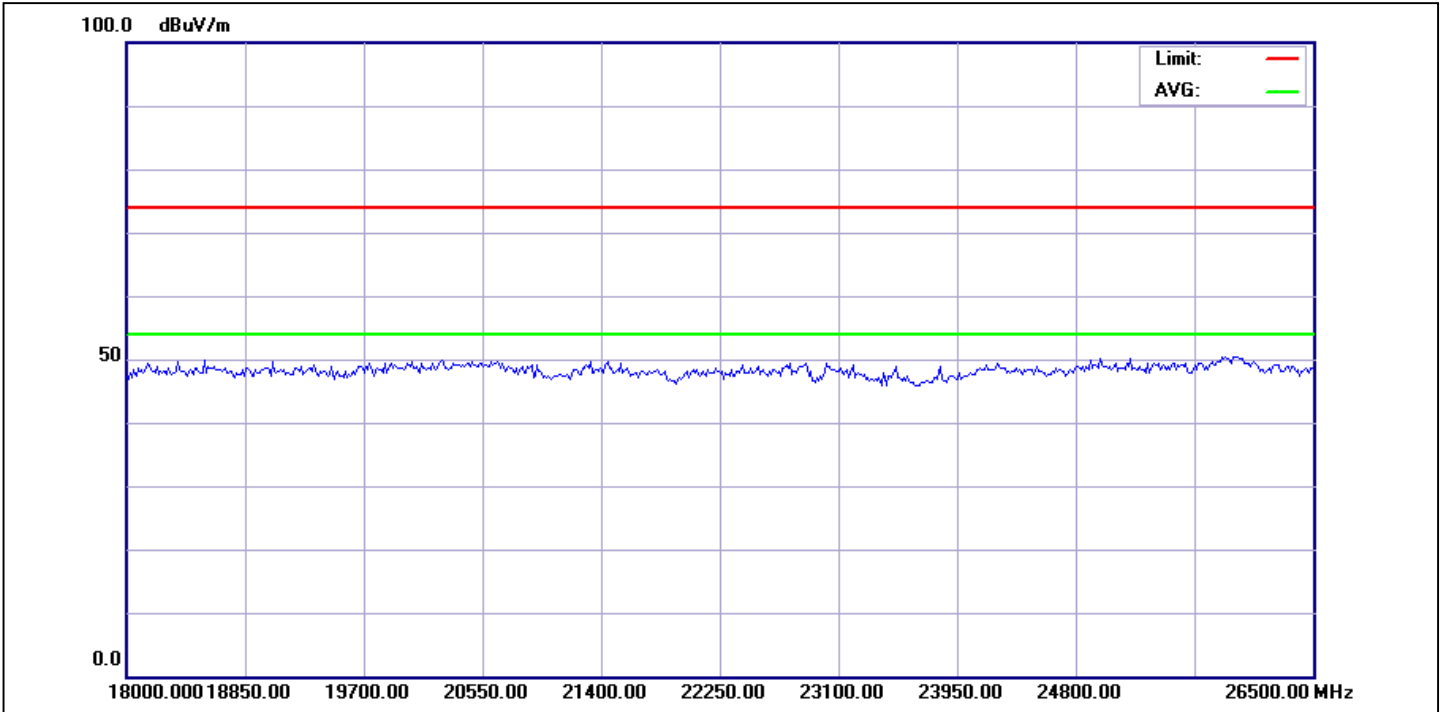
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

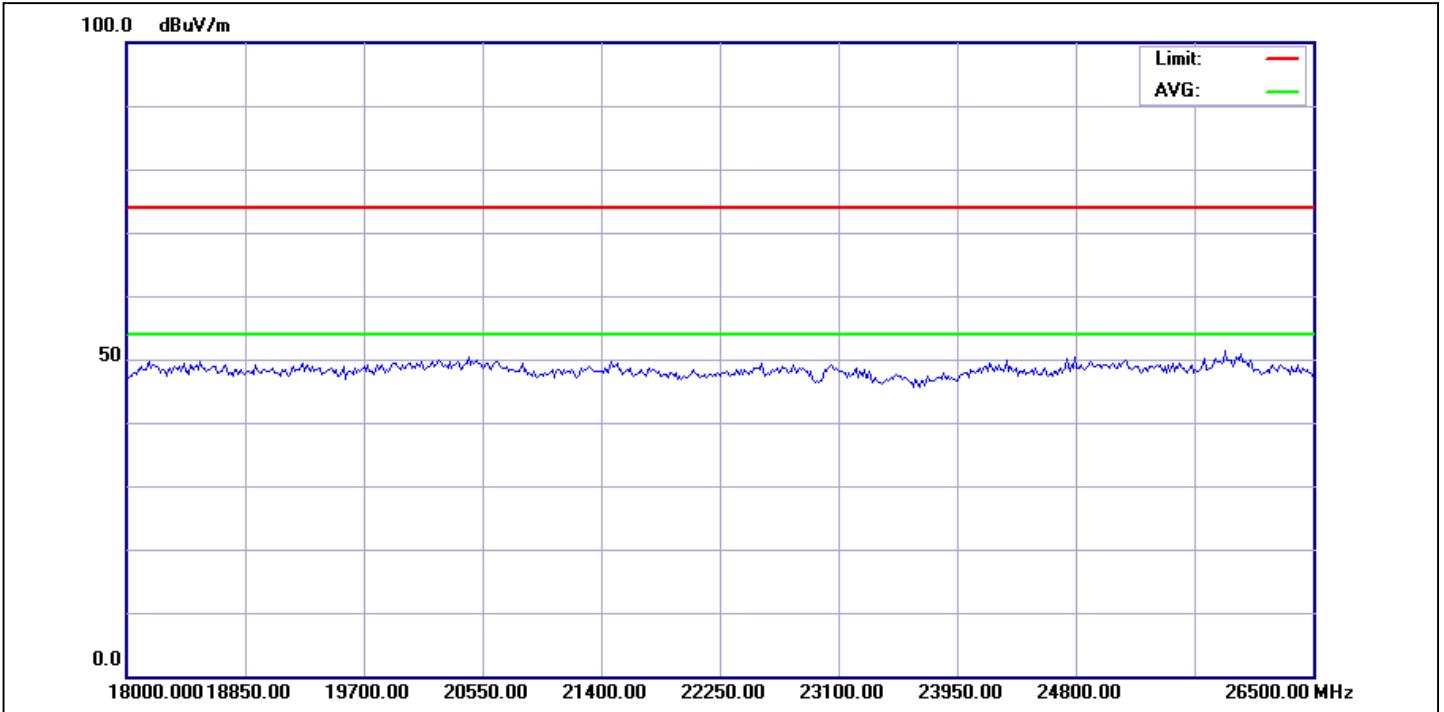
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2402 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

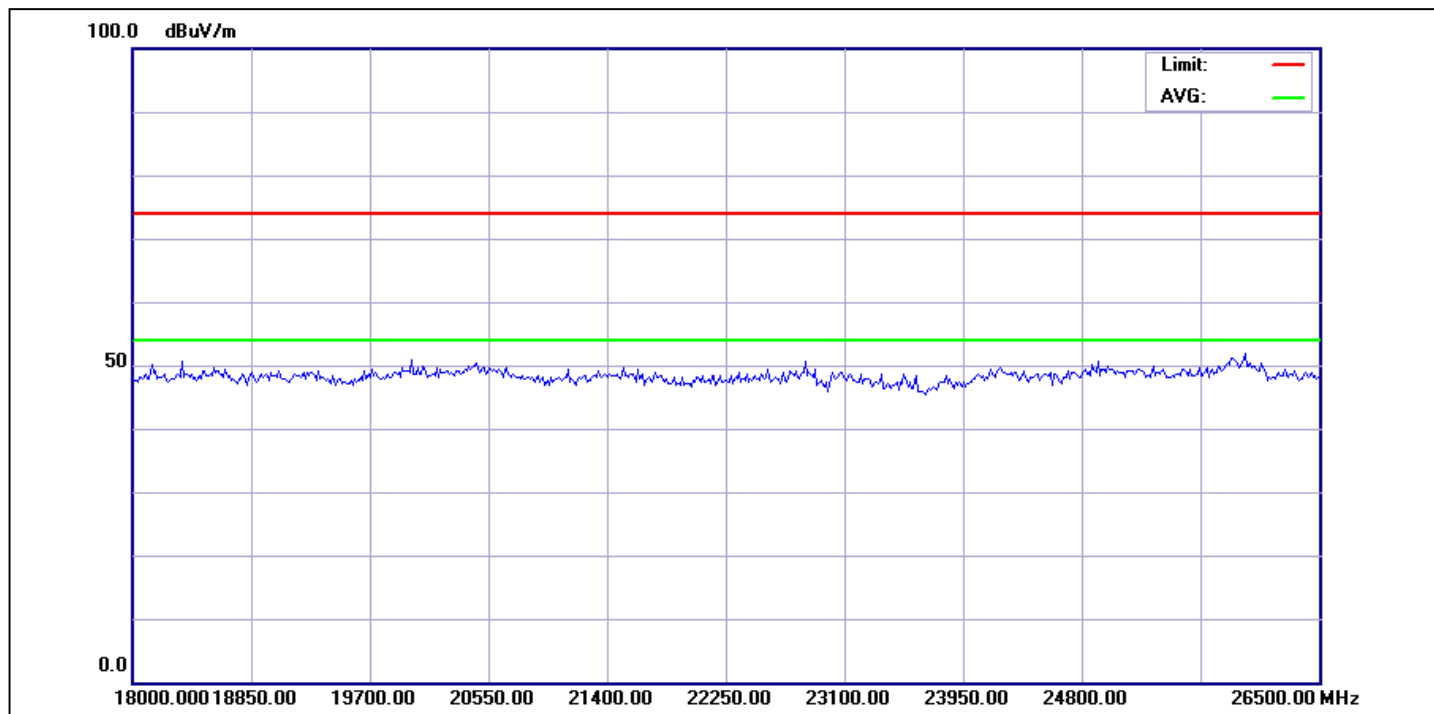
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

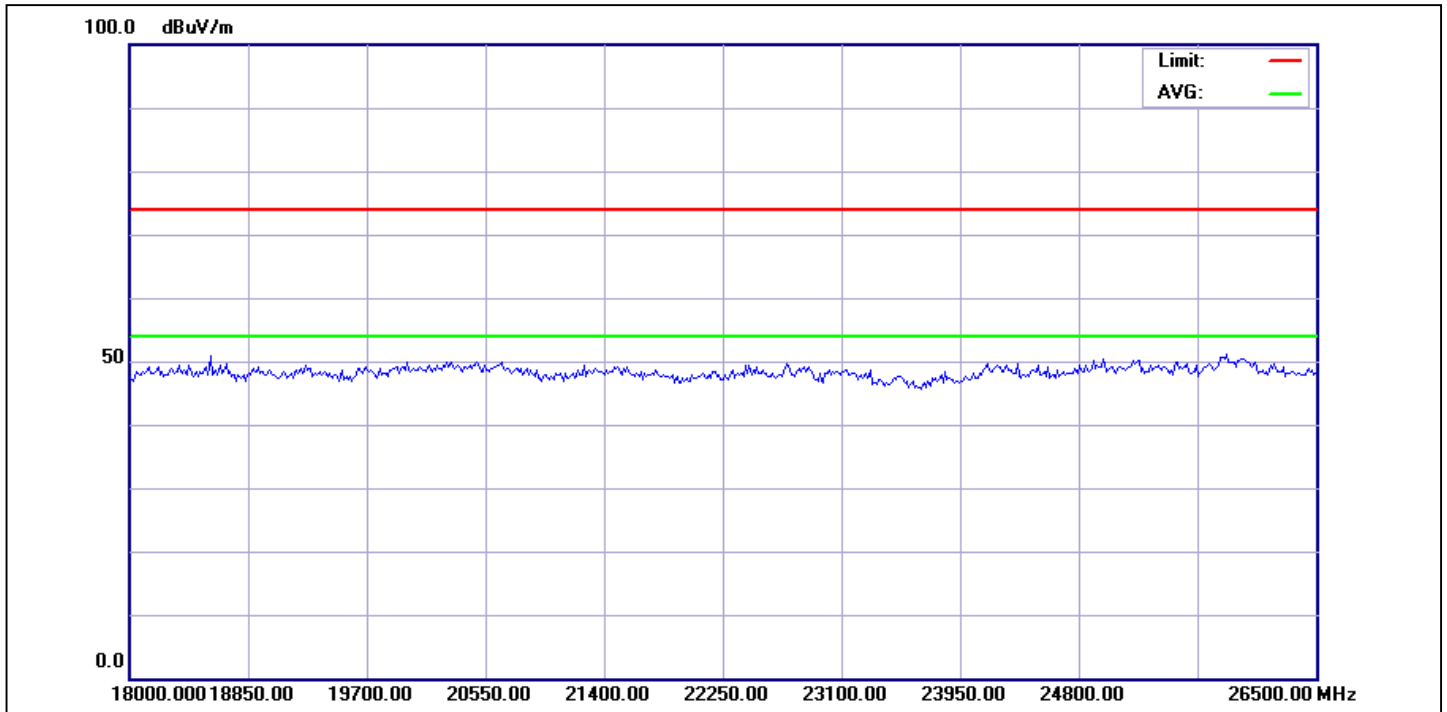
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2441 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Vertical

Temp.(°C)/Hum.(%): 24(°C) / 50 %

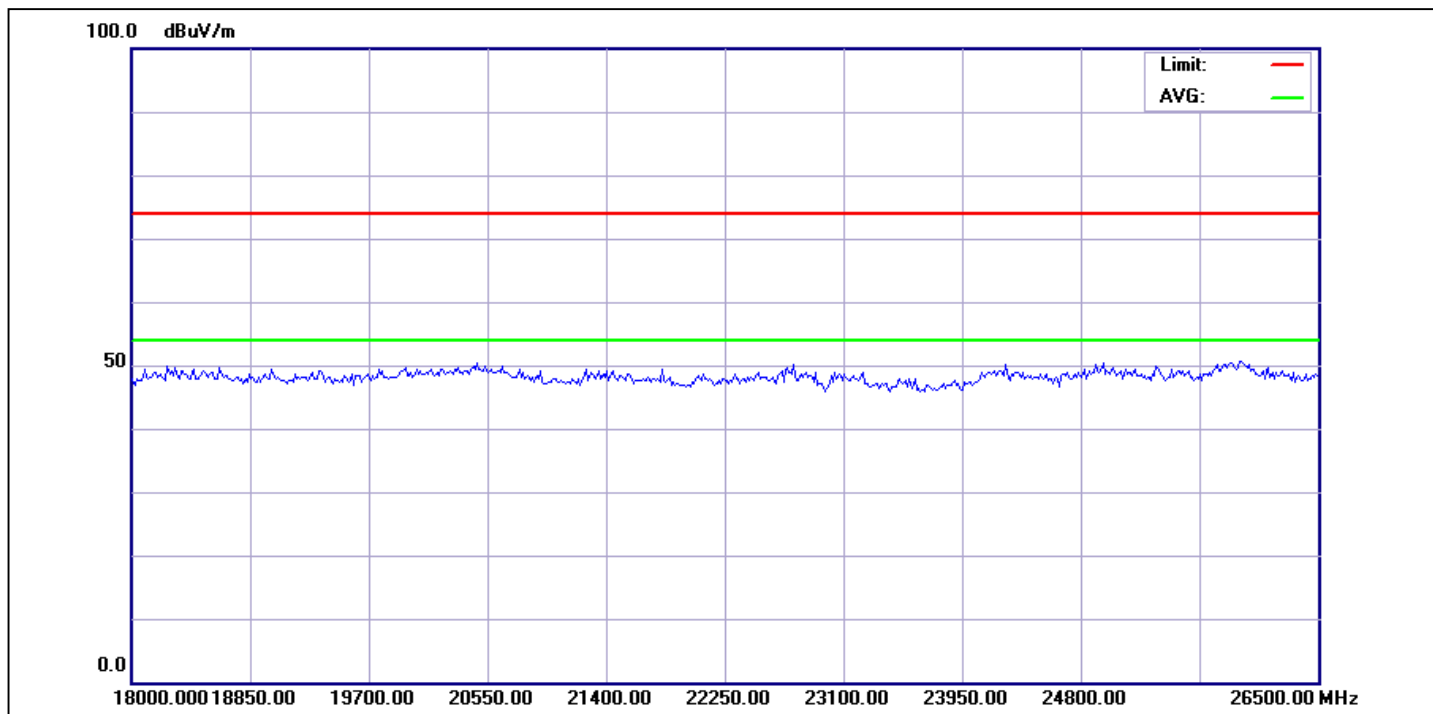
Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2480 EDR

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Service No.: 113148905

Test Standard: FCC above 1G PEAK

Test item: Radiation Emission

Applicant: Meiloon Industrail

Product: Buletooth Speaker

Model No.: BT Speaker

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.(°C)/Hum.(%): 24(°C) / 50 %

Test Rating: AC 120V/60Hz

Test Engineer: Hugo Chang

Test Mode: 2480 EDR

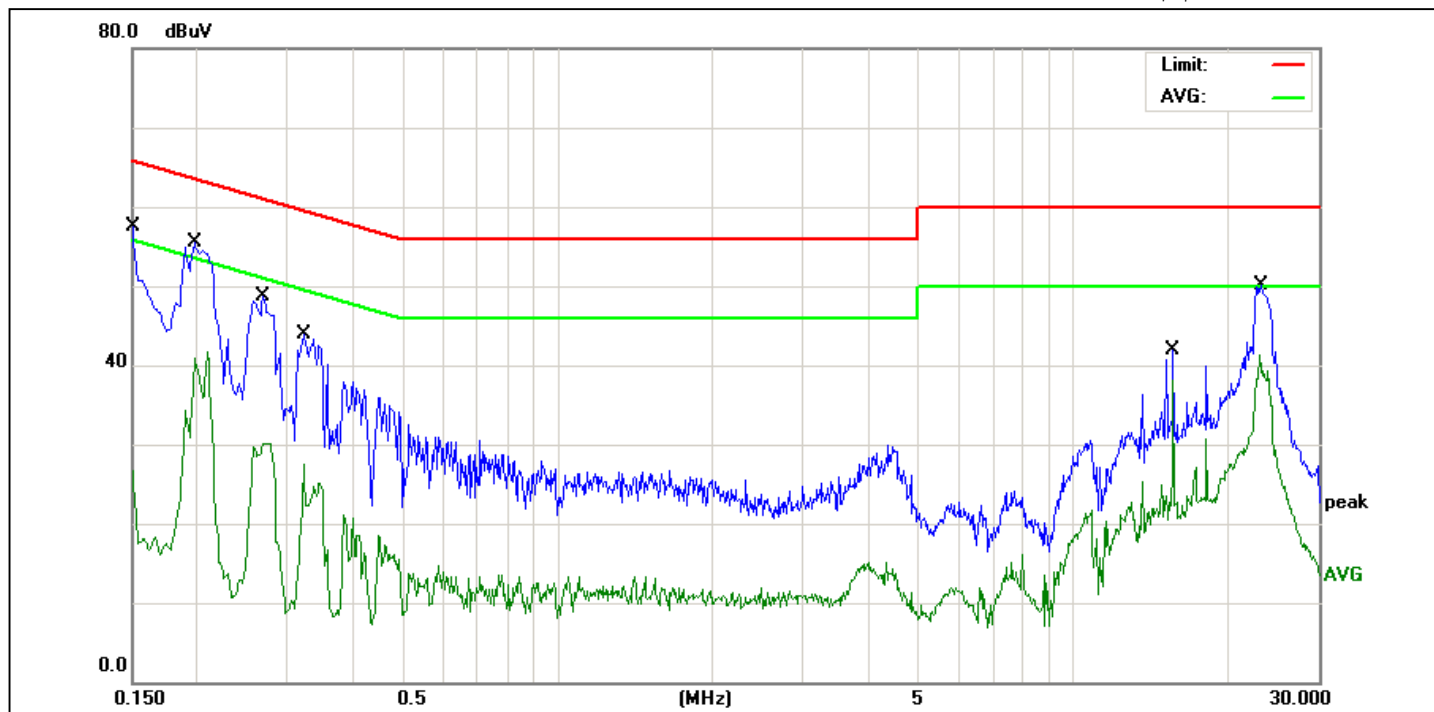
Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F	Remark
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Test Report No. 10033786 001

Appendix 2: Test Result of Conducted Emissions

(File: 113148905_Conducted)



Service No.: 113148905

Test Standard: FCC Part 15 B Conduction

Test item: Conducted Emission

Phase: L1

Applicant: Meiloon Industrial

Temp.(°C)/Hum.(%): 26(°C) / 50 %

Product: Bluetooth Speaker

Power Rating: AC 120V/60Hz

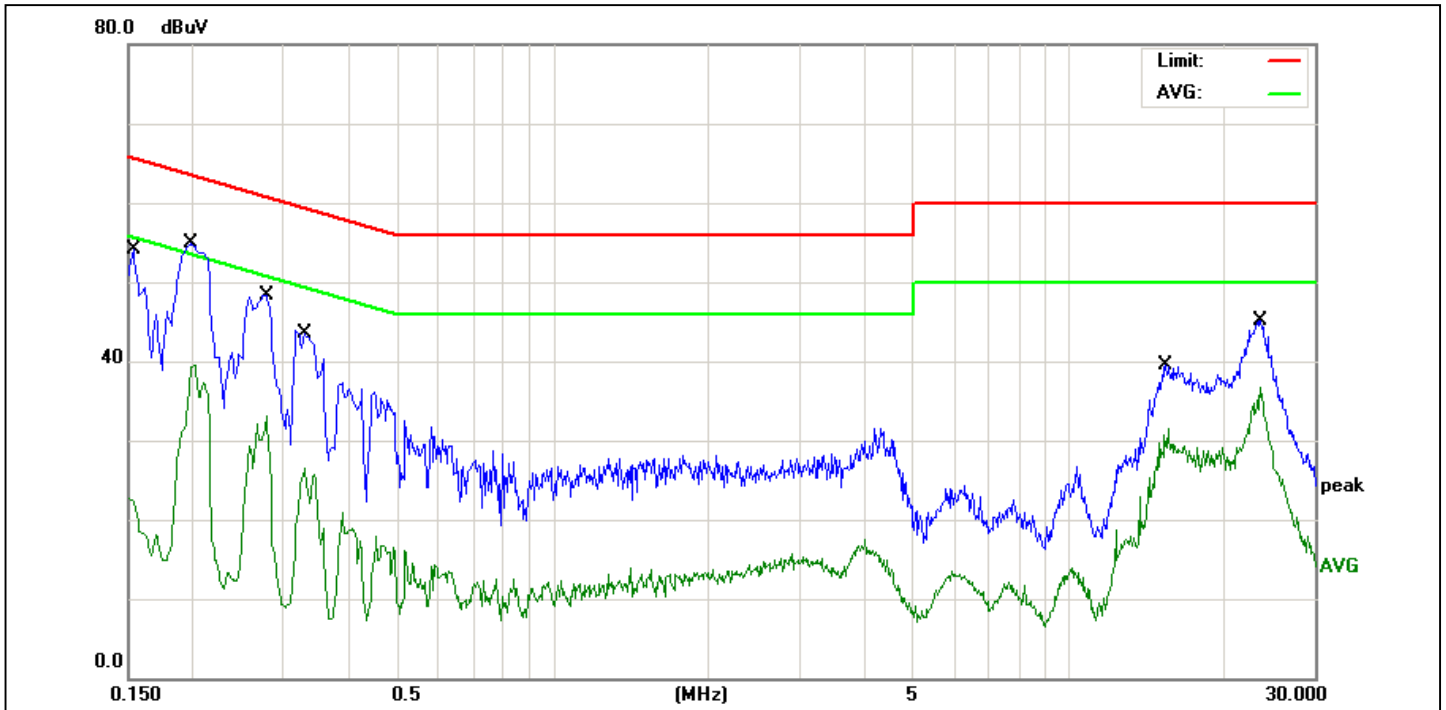
Model No.: BT Speaker

Test Engineer: Benson Yang

Test Mode: BT operating mode

Remark: 20110919

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.55	37.45	47.00	65.99	-18.99	QP	P	
2	0.1500	9.55	15.84	25.39	55.99	-30.60	AVG	P	
3	0.1980	9.66	43.42	53.08	63.69	-10.61	QP	P	
4	0.1980	9.66	28.83	38.49	53.69	-15.20	AVG	P	
5	0.2700	9.64	35.35	44.99	61.12	-16.13	QP	P	
6	0.2700	9.64	19.64	29.28	51.12	-21.84	AVG	P	
7	0.3220	9.63	30.97	40.60	59.65	-19.05	QP	P	
8	0.3220	9.63	13.10	22.73	49.65	-26.92	AVG	P	
9	15.6500	9.81	23.85	33.66	60.00	-26.34	QP	P	
10	15.6500	9.81	17.37	27.18	50.00	-22.82	AVG	P	
11	23.2180	9.85	30.14	39.99	60.00	-20.01	QP	P	
12	23.2180	9.85	22.84	32.69	50.00	-17.31	AVG	P	



Service No.: 113148905

Test Standard: FCC Part 15 B Conduction

Test item: Conducted Emission

Phase: L2

Applicant: Meiloon Industrial

Temp.(°C)/Hum.(%): 26(°C) / 50 %

Product: Bluetooth Speaker

Power Rating: AC 120V/60Hz

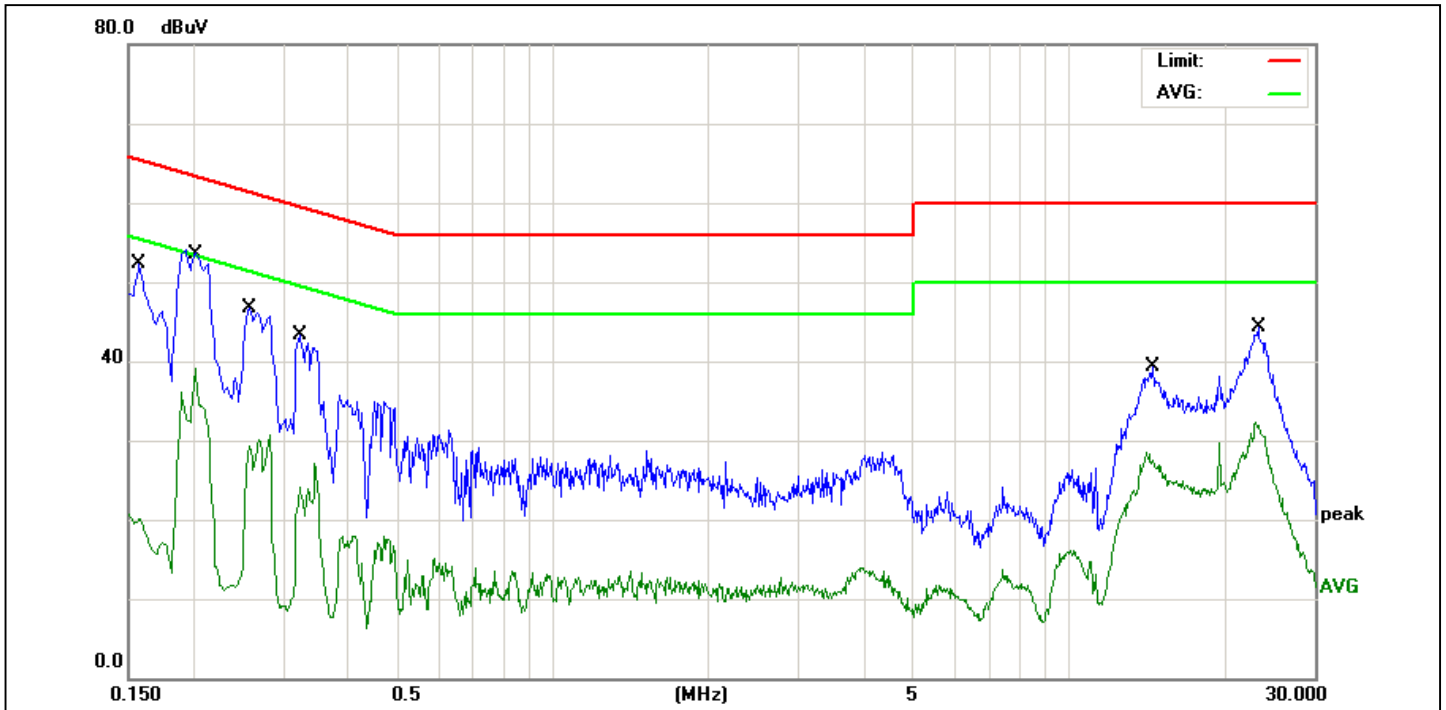
Model No.: BT Speaker

Test Engineer: Benson Yang

Test Mode: BT operating mode

Remark: 20110919

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	9.65	33.67	43.32	65.78	-22.46	QP	P	
2	0.1539	9.65	9.31	18.96	55.78	-36.82	AVG	P	
3	0.1980	9.68	42.76	52.44	63.69	-11.25	QP	P	
4	0.1980	9.68	27.74	37.42	53.69	-16.27	AVG	P	
5	0.2779	9.66	33.91	43.57	60.88	-17.31	QP	P	
6	0.2779	9.66	17.79	27.45	50.88	-23.43	AVG	P	
7	0.3300	9.65	30.10	39.75	59.45	-19.70	QP	P	
8	0.3300	9.65	13.39	23.04	49.45	-26.41	AVG	P	
9	15.4340	9.84	24.75	34.59	60.00	-25.41	QP	P	
10	15.4340	9.84	18.37	28.21	50.00	-21.79	AVG	P	
11	23.5580	9.96	30.11	40.07	60.00	-19.93	QP	P	
12	23.5580	9.96	22.67	32.63	50.00	-17.37	AVG	P	



Service No.: 113148905

Test Standard: FCC Part 15 B Conduction

Test item: Conducted Emission

Phase: L1

Applicant: Meiloon Industrial

Temp.(°C)/Hum.(%): 26(°C) / 50 %

Product: Bluetooth Speaker

Power Rating: AC 120V/60Hz

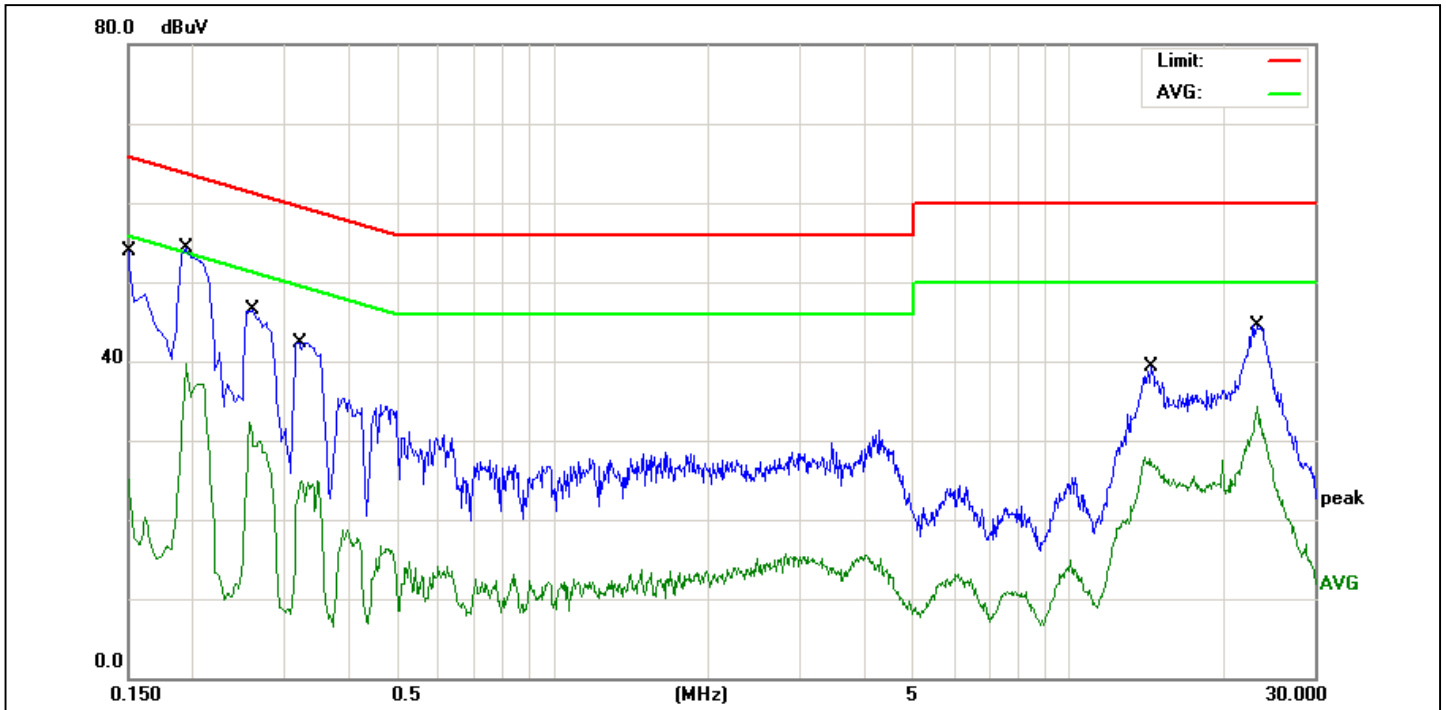
Model No.: BT Speaker

Test Engineer: Benson Yang

Test Mode: charge mode

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1580	9.57	31.80	41.37	65.56	-24.19	QP	P	
2	0.1580	9.57	7.38	16.95	55.56	-38.61	AVG	P	
3	0.2039	9.66	41.28	50.94	63.45	-12.51	QP	P	
4	0.2039	9.66	26.59	36.25	53.45	-17.20	AVG	P	
5	0.2580	9.64	33.95	43.59	61.49	-17.90	QP	P	
6	0.2580	9.64	17.30	26.94	51.49	-24.55	AVG	P	
7	0.3220	9.63	29.66	39.29	59.65	-20.36	QP	P	
8	0.3220	9.63	11.90	21.53	49.65	-28.12	AVG	P	
9	14.5619	9.79	22.64	32.43	60.00	-27.57	QP	P	
10	14.5619	9.79	16.32	26.11	50.00	-23.89	AVG	P	
11	23.3460	9.86	27.82	37.68	60.00	-22.32	QP	P	
12	23.3460	9.86	19.72	29.58	50.00	-20.42	AVG	P	


Service No.: 113148905

Test Standard: FCC Part 15 B Conduction

Test item: Conducted Emission

Phase: L2

Applicant: Meiloon Industrial

Temp.(°C)/Hum.(%): 26(°C) / 50 %

Product: Bluetooth Speaker

Power Rating: AC 120V/60Hz

Model No.: BT Speaker

Test Engineer: Benson Yang

Test Mode: charge mode

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.65	35.12	44.77	65.99	-21.22	QP	P	
2	0.1500	9.65	13.82	23.47	55.99	-32.52	AVG	P	
3	0.1940	9.68	41.98	51.66	63.86	-12.20	QP	P	
4	0.1940	9.68	24.91	34.59	53.86	-19.27	AVG	P	
5	0.2620	9.66	33.57	43.23	61.36	-18.13	QP	P	
6	0.2620	9.66	18.73	28.39	51.36	-22.97	AVG	P	
7	0.3220	9.65	29.33	38.98	59.65	-20.67	QP	P	
8	0.3220	9.65	11.13	20.78	49.65	-28.87	AVG	P	
9	14.5100	9.83	22.37	32.20	60.00	-27.80	QP	P	
10	14.5100	9.83	16.03	25.86	50.00	-24.14	AVG	P	
11	23.2460	9.94	28.24	38.18	60.00	-21.82	QP	P	
12	23.2460	9.94	20.02	29.96	50.00	-20.04	AVG	P	