Compliance Laboratory

TEST REPORT

For

Applicant :	**Wonders Technology Co.,Ltd**
Address :	**DOSS Industrial Zone, Qiping Kengdu Industrial Area Guihua Village, Guanlan Town Baoan District, ShenZhen, China**
Product Name :	**Trance Max Wireless Speaker**
Model Name :	**HX-P170,DS-1621**
Remark :	**Only difference in the model name.**
Brand Name :	**N/A**
FCC ID :	**WC2-HXP170**
Report No. :	**MTE/SAS/A15070907**
Date of Issue :	**Jul. 27, 2015**

Issued by :	**Most Technology Service Co., Ltd.**
Address :	**No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China**
Tel :	**86-755-8602 6850**
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1. VERIFICATION OF CONFORMITY

Equipment Under Test:	Trance Max Wireless Speaker
Brand Name:	N/A
Model Number:	HX-P170,DS-1621
FCC ID：	WC2-HXP170
Applicant:	Wonders Technology Co.,Ltd
	DOSS Industrial Zone, Qiping Kengdu Industrial Area Guihua Village, Guanlan Town Baoan District, ShenZhen, China
Manufacturer:	Wonders Technology Co.,Ltd
	DOSS Industrial Zone, Qiping Kengdu Industrial Area Guihua Village, Guanlan Town Baoan District, ShenZhen, China
Technical Standards:	47 CFR Part 15 Subpart C
File Number:	MTE/SAS/A15070907
Date of test:	Jul. 15 - 27, 2015
Deviation:	None
Condition of Test Sample:	Normal
Test Result:	PASS

The above equipment was tested by Most Technology Service Co., Ltd. for compliance with the requirements set forth in FCC rules and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Prepared by (+ signature): Sara

Sara shi Jul. 15-27, 2015

Review by (+ signature): Henry

Henry Chen Jul. 27, 2015

MOST TECHNOLOGY SERVICE CO., LTD. APPROVED * EMC & SAFETY *

Approved by (+ signature):

Yvette Zhou (Manager) Jul. 27, 2015

2. GENERAL INFORMATION

2.1 Product Information

Product	Trance Max Wireless Speaker
Brand Name	N/A
Model Number	HX-P170
Series Model Name:	DS-1621
Series Model Difference description:	Only difference in the model name.
Power Supply	1. DC 5V by Adapter 2. DC 7.3V by battery
Frequency Range	2402MHz -2480MHz
Modulation Type:	GFSK, π /4-DQPSK, 8DPSK
Modulation Technique	FHSS
Channel Number	79
Antenna Type	Internal PCB Antenna,0 dBi
Temperature Range	0°C ~ +40°C

NOTE:

1. For a more detailed features description about the EUT, please refer to User's Manual.

2.2 Objective

The objective of the report is to perform tests according to FCC Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15	Radio Frequency Devices
2	DA00-705	Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems.

2.3 Test Standards and Results

No.	Section	Test Items	Result	Date of Test
1	FCC 15.247 (i)	RF EXPOSURE	PASS	2015-07-20
2	FCC 15.203	Antenna Requirement	PASS	2015-07-20
3	FCC15.207 (a)	AC Power Line Conducted Emission	PASS	2015-07-20
4	FCC15.209, 15.247(d)	Radiated Emission	PASS	2015-07-20
5	FCC 15.247 (b)(1)	Conducted Peak Output Power	PASS	2015-07-15
6	FCC 15.247 (a)(1)	20dB Emission Bandwidth	PASS	2015-07-15
7	FCC 15.247 (a)(1)	Carrier Frequency Separation	PASS	2015-07-15
8	FCC 15.247 (a)(1)(iii)	Number of Hopping Channel	PASS	2015-07-15
9	FCC 15.247 (a)(1) (iii)	Dwell Time	PASS	2015-07-18
10	FCC15.247(d)	Band Edge and Conducted Spurious Emissions	PASS	2015-07-18
11	FCC15.247(d)	Restricted Frequency Bands	PASS	2015-07-18
Remark: N/A means not applicable				

Note: 1. The test result judgment is decided by the limit of measurement standard
2. The information of measurement uncertainty is available upon the customer's request.

2.4 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:
- Temperature: 15-35ºC
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

3. TEST METHODOLOGY

3. 1TEST FACILITY

Test Site:	Most Technology Service Co., Ltd
Location:	No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan, Shenzhen, Guangdong, China
Description:	There is one 3m semi-anechoic an area test sites and two line conducted labs for final test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009 and CISPR 16 requirements. The FCC Registration Number is **490827.** The **IC** Registration Number is **7103A-1.**
Site Filing:	The site description is on file with the Federal Communications Commission, 7435 Oakland Mills Road, Columbia, MD 21046.
Instrument Tolerance:	All measuring equipment is in accord with ANSI C63.4:2009 and CISPR 16 requirements that meet industry regulatory agency and accreditation agency requirement.
Ground Plane:	Two conductive reference ground planes were used during the Line Conducted Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna.

3.2 GENERAL TEST PROCEDURES

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 8.3.1 of ANSI C63.4:2009.

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 7.3 of ANSI C63.4:2009,Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

4. SETUP OF EQUIPMENT UNDER TEST

4.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

4.2 SUPPORT EQUIPMENT

Device Type	Manufacturer	Model Name	Serial No.	Input	Output
Adapter	---	STC-A515A-Z	---	100-240V~ 50/60Hz	dc 5.0V 1500 mA

Remark:
All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.3 TEST EQUIPMENT LIST

Instrumentation: The following list contains equipment used at Most for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

No.	Equipment	Manufacturer	Model No.	S/N	Calibration date	Calibration Interval
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2015/03/10	1 Year
2	Spectrum Analyzer	Agilent	E7405A	US44210471	2015/03/14	1 Year
3	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2015/03/10	1 Year
4	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015/03/07	1 Year
5	Terminator	Hubersuhner	50Ω	No.1	2015/03/07	1 Year
6	RF Cable	SchwarzBeck	N/A	No.1	2015/03/07	1 Year
7	Test Receiver	Rohde & Schwarz	ESPI	101202	2015/03/10	1 Year
8	Bilog Antenna	Sunol	JB3	A121206	2015/03/14	1 Year
9	Horn Antenna	SCHWARZBECK	BBHA9120D	756	2015/03/14	1 Year
10	Horn Antenna	Penn Engineering	9034	8376	2015/03/14	1 Year
11	Cable	Resenberger	N/A	NO.1	2015/03/07	1 Year
12	Cable	SchwarzBeck	N/A	NO.2	2015/03/07	1 Year
13	Cable	SchwarzBeck	N/A	NO.3	2015/03/07	1 Year
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2015/03/07	1 Year
15	Test Receiver	Rohde & Schwarz	ESCI	100492	2015/03/10	1 Year
16	Loop antenna	ARA	PLA-1030/B	1039	2015/03/14	1 Year

NOTE: *Equipments listed above have been calibrated and are in the period of validation.*

5. 47 CFR Part 15 C Requirements

5.1 RF EXPOSURE

5.1.1 Applicable Standard

According to§15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v05r02:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,

mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

5.1.2 Measurement Result

The maximum conducted output power= 1.265 dBm (1.3381 mW) at 2402 MHz [(max. power of channel, mW)/(min. test separation distance, mm)] [√f(GHz)]

=1.3381/5*(√2.402) = 0.41< 3.0

So the stand-alone SAR evaluation is not necessary.

5.2 ANTENNA REQUIREMENT

5.2.1 Applicable Standard

According to FCC § 15.203 , An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

5.2.2 Evaluation Criteria

(a) Antenna must be permanently attached to the unit.
(b) Antenna must use a unique type of connector to attach to the EUT.
Unit must be professionally installed, Installer shall be responsible for verifying that the correct antenna is employed with the unit.

5.2.3 Result: Compliance.

The EUT has one integral antenna arrangement, which was permanently attached and the antenna gain is 0 dBi, fulfill the requirement of this section.

5.3 AC Power Line Conducted Emission

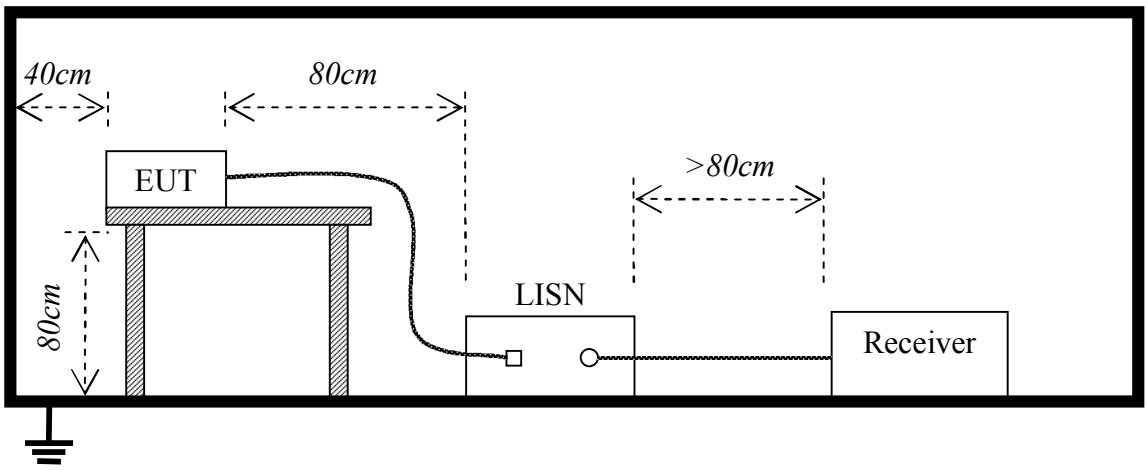
5.3.1Requirement

A radio apparatus that is designed to be connected to the public utility (AC) power line shall ensure that the radio frequency voltage, which is conducted back onto the AC power line on any frequency or frequencies within the and 150 kHz-30 MHz, shall not exceed the limits in the following table:

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz-500kHz	66-56	56-46
500kHz-5MHz	56	46
5MHz-30MHz	60	50

***Note:** 1. the lower limit shall apply at the band edges.*
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

5.3.2 Block Diagram of Test Setup



5.3.3 Test procedure

1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.
2. Exploratory measurements were made to identify the frequency of the emission that has the highest amplitude relative to the limit;
3. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).
4. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement.
5. The bandwidth of test receiver (ESCI) set at 9 KHz.
6. All data was recorded in the Quasi-peak and average detection mode.

5.3.4 Test Result

Pass

Note: All test modes are performed, only the worst case is recorded in this report.

Please refer the following pages.

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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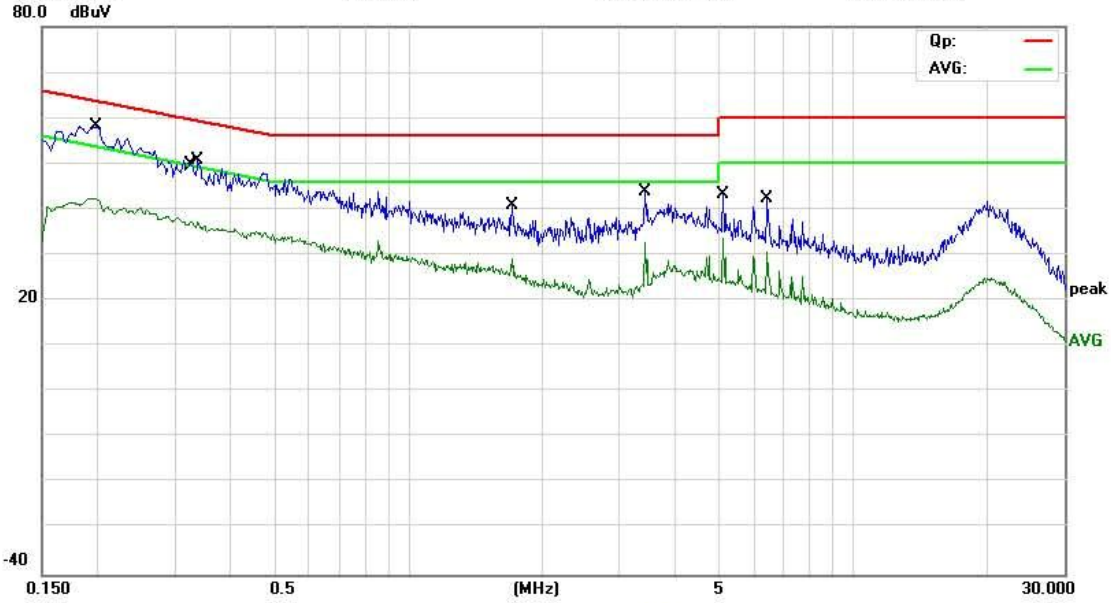
Conducted Emission Measurement

File :HX-P170 Data :#1 Date: 2015/07/15 Time: 15:29:20



Site MOST #1 Phase: L1 Temperature: 24.9
Limit: FCC Part15 B Class B QP Power: DC 5.0V by Adapter Humidity: 51.4 %
EUT: Trance Max Wireless Speaker
M/N: HX-P170
Mode: GFSK mode
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1980	40.20	11.88	52.08	63.69	-11.61	QP	
2		0.1980	28.79	11.88	40.67	53.69	-13.02	AVG	
3		0.3260	26.16	11.16	37.32	49.55	-12.23	AVG	
4	*	0.3380	39.68	11.08	50.76	59.25	-8.49	QP	
5		1.7100	31.46	9.29	40.75	56.00	-15.25	QP	
6		1.7100	19.75	9.29	29.04	46.00	-16.96	AVG	
7		3.4220	33.58	10.42	44.00	56.00	-12.00	QP	
8		3.4220	22.21	10.42	32.63	46.00	-13.37	AVG	
9		5.1340	31.32	11.92	43.24	60.00	-16.76	QP	
10		5.1340	21.80	11.92	33.72	50.00	-16.28	AVG	
11		6.4220	31.14	11.15	42.29	60.00	-17.71	QP	
12		6.4220	19.45	11.15	30.60	50.00	-19.40	AVG	

*:Maximum data x:Over limit l:over margin

Engineer Signature: Zheng

Compliance Laboratory
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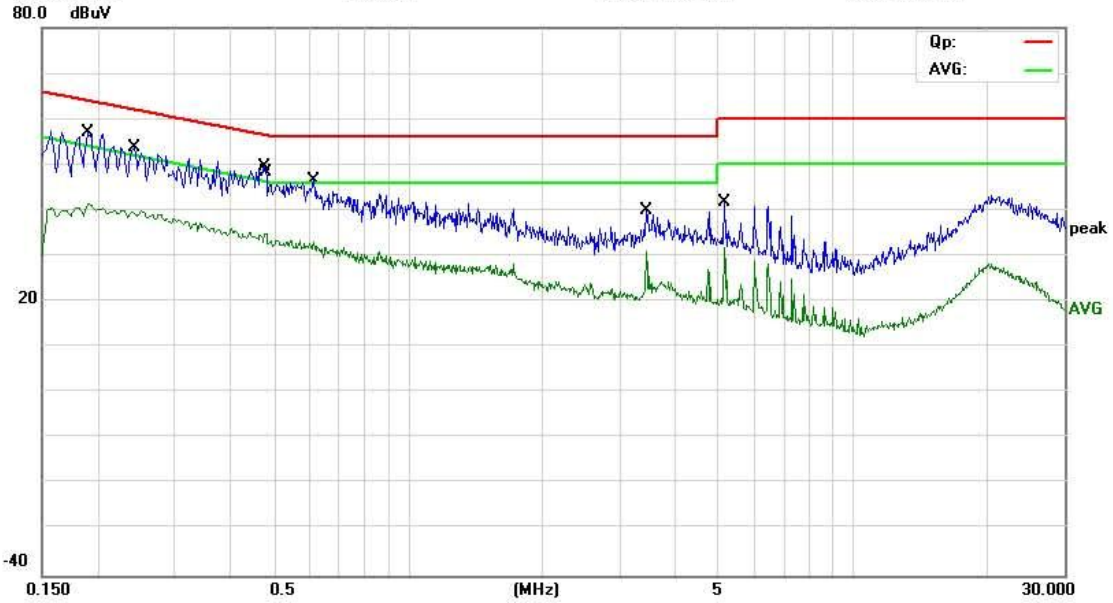
Conducted Emission Measurement

File :HX-P170 Data :#2 Date: 2015/07/15 Time: 15:42:43



Site MOST #1 Phase: N Temperature: 24.9
Limit: FCC Part15 B Class B QP Power: DC 5.0V by Adapter Humidity: 51.4 %
EUT: Trance Max Wireless Speaker
M/N: HX-P170
Mode: GFSK mode
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1900	45.53	11.40	56.93	64.04	-7.11	QP	
2		0.1900	30.15	11.40	41.55	54.04	-12.49	AVG	
3		0.2380	28.02	11.75	39.77	52.17	-12.40	AVG	
4		0.2420	42.05	11.72	53.77	62.03	-8.26	QP	
5	*	0.4780	39.40	10.15	49.55	56.37	-6.82	QP	
6		0.4820	24.68	10.12	34.80	46.30	-11.50	AVG	
7		0.6140	36.66	10.00	46.66	56.00	-9.34	QP	
8		0.6140	23.19	10.00	33.19	46.00	-12.81	AVG	
9		3.4420	29.46	10.44	39.90	56.00	-16.10	QP	
10		3.4420	20.60	10.44	31.04	46.00	-14.96	AVG	
11		5.1620	29.98	11.90	41.88	60.00	-18.12	QP	
12		5.1620	19.93	11.90	31.83	50.00	-18.17	AVG	

*:Maximum data x:Over limit !:over margin

Engineer Signature: Zheng

5.4 Radiated Emission
5.4.1Requirement

According to FCC section 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC section 15.209(a), Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Test Distance (m)	Field Strength (dBμV/m at 3-meter)
0.009 - 0.490	2400/F(kHz)	300	
0.490 - 1.705	24000/F(kHz)	30	
1.705-30	30	30	
30-88	100	3	40
88-216	150	3	43.5
216-960	200	3	46
Above 960	500	3	54

Note:

1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

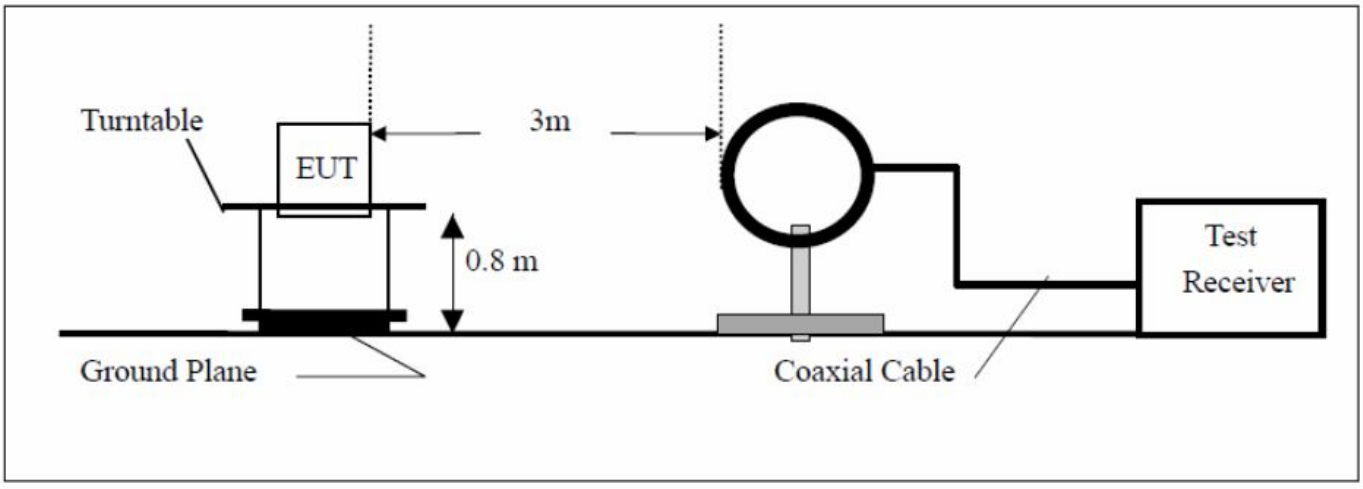
2. For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

In addition, radiated emissions which fall in the restricted bands, as defined in RSS-Gen Cl.8.10, also should comply with the radiated emission limits specified in RSS-Gen Cl.8.9 (above table)

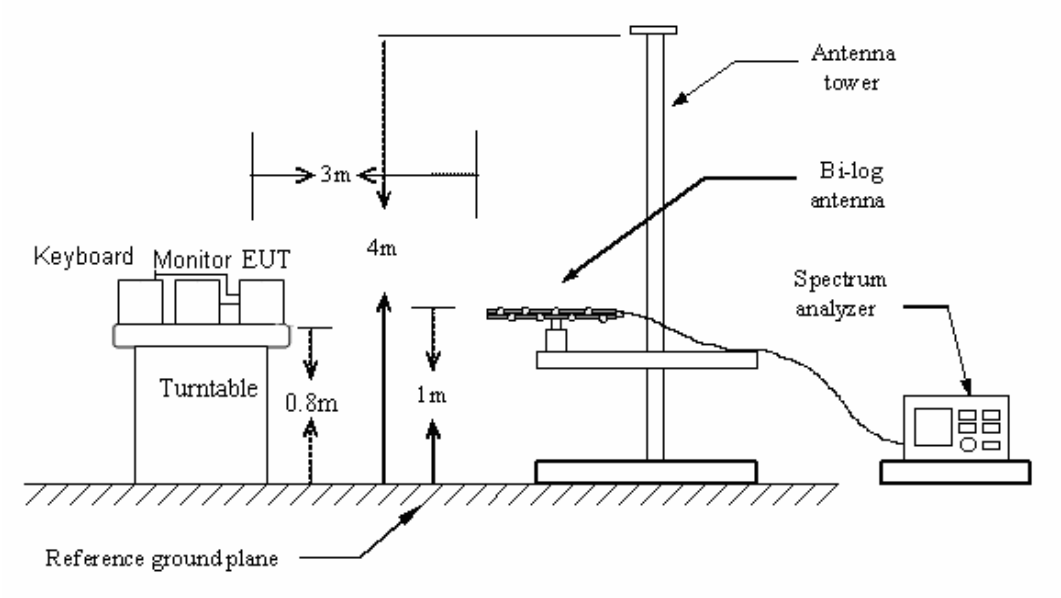
5.4.2 Test Configuration

Test Setup:

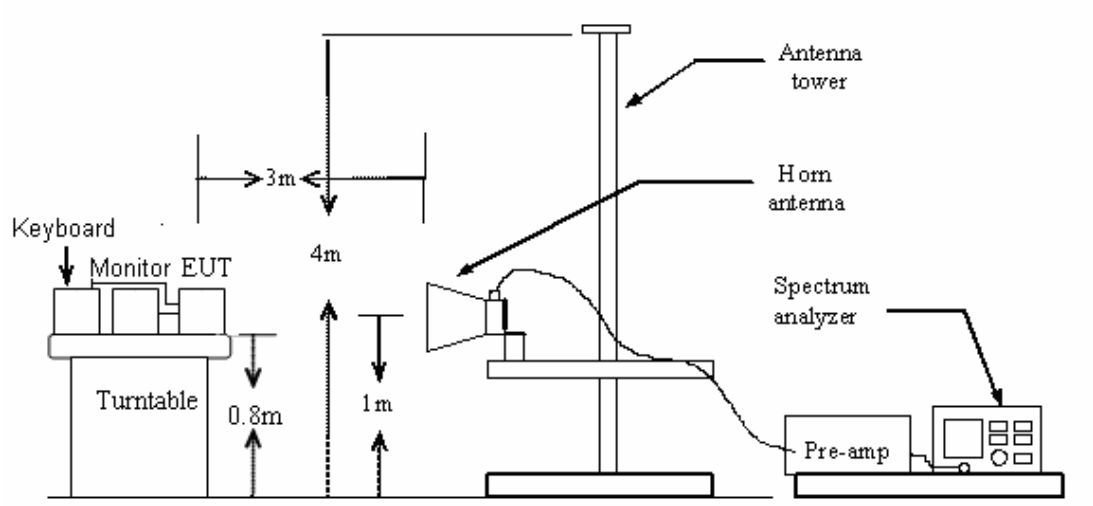
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



5.4.3 Test Procedure:

1. For frequencies above 1GHz, the frequencies of maximum emission was recorded by manually positioning the antenna close to the EUT and by moving the antenna over all sides of the EUT while observing a spectral display.
2. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
3. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
4. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
5. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rote table was turned from 0 degrees to 360 degrees to find the maximum reading.

6. For frequencies above 1GHz, horn antenna mouth should face to the EUT all the time when rise or fall.

7. Set the spectrum analyzer in the following setting as:

Below 1GHz: PEAK: RBW=100 kHz / VBW=300 kHz / Sweep=AUTO QP: RBW=120 kHz / Sweep=AUTO
Above 1GHz: (a)PEAK: RBW=VBW=1MHz / Sweep=AUTO
(b)AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

8. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

5.4.4 Test Result

Pass

Remark:

1. During the test, pre-scan the GFSK, π/4-QPSK, 8DPSK modulation, and found the GFSK modulation which it is worse case in above 1GHz and the GFSK Low channel modulation which it is worse case in below 1GHz.

2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

Please refer the following pages.

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Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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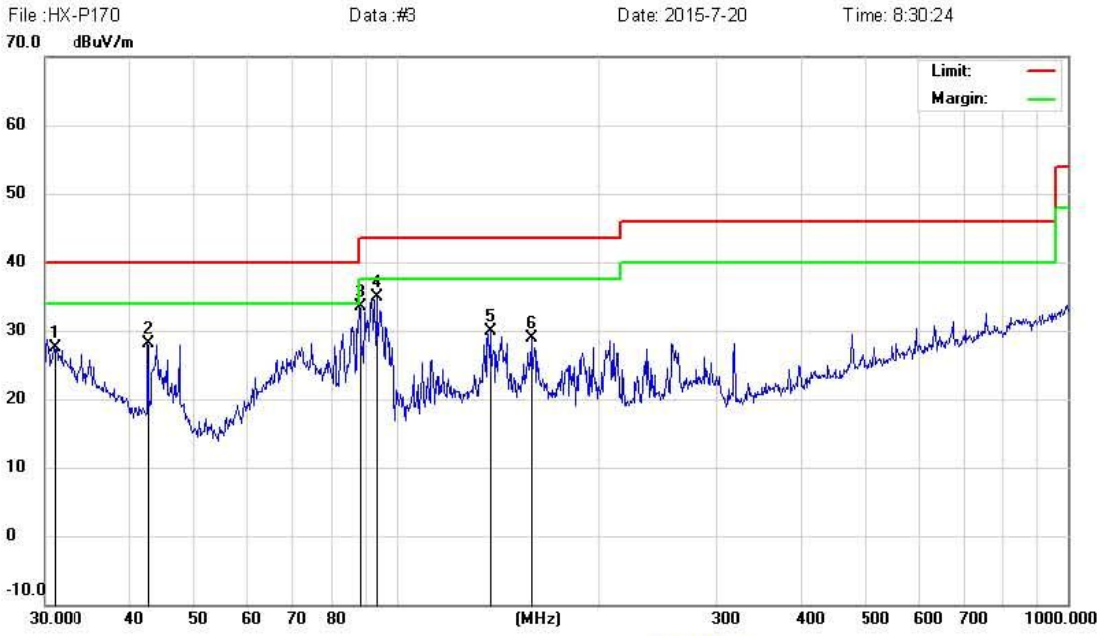
Radiated Emission Measurement



Site Chamber #1
Limit: FCC Part15 B 3M Radiation
EUT: Trance Max Wireless Speaker
M/N: HX-P170
Mode: GFSK mode
Note:

Polarization: *Vertical*
Power: DC 7.3V by Battery

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		30.9619	5.09	22.51	27.60	40.00	-12.40	QP			
2		42.7496	13.74	14.43	28.17	40.00	-11.83	QP			
3		88.0329	22.11	11.40	33.51	43.50	-9.99	QP			
4	*	93.4402	22.97	12.01	34.98	43.50	-8.52	QP			
5		138.3873	12.68	17.28	29.96	43.50	-13.54	QP			
6		159.2251	11.62	17.24	28.86	43.50	-14.64	QP			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

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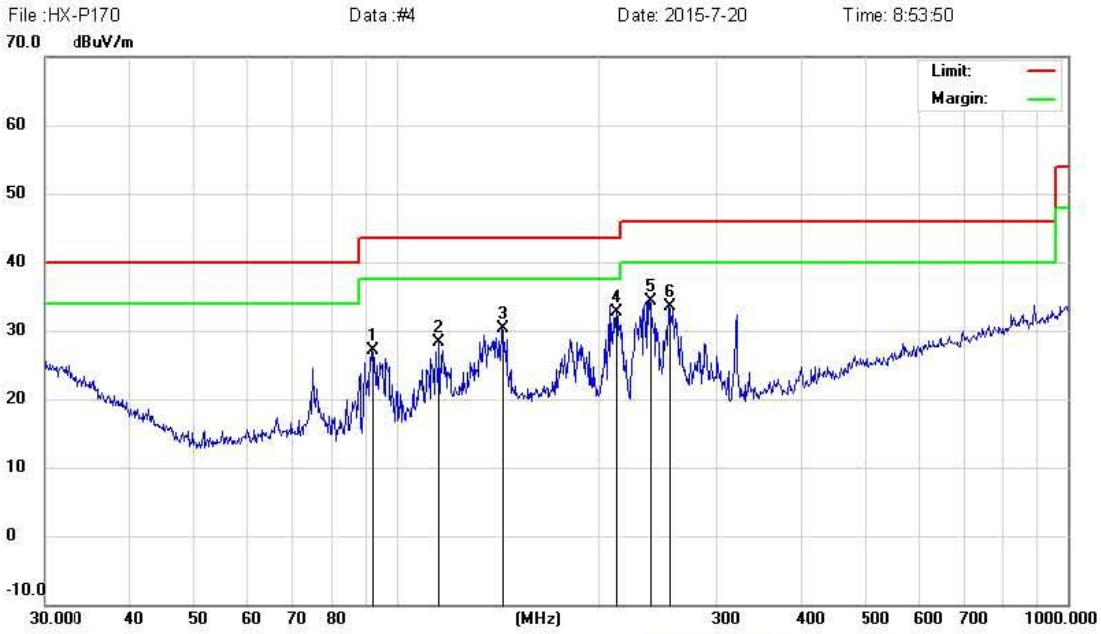
Radiated Emission Measurement



Site Chamber #1
Limit: FCC Part15 B 3M Radiation
EUT: Trance Max Wireless Speaker
M/N: HX-P170
Mode: GFSK mode
Note:

Polarization: *Horizontal*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		91.8163	15.38	11.73	27.11	43.50	-16.39	QP			
2		115.7256	11.37	16.90	28.27	43.50	-15.23	QP			
3		143.8295	13.43	16.93	30.36	43.50	-13.14	QP			
4	*	213.0151	16.65	16.02	32.67	43.50	-10.83	QP			
5		238.3102	17.30	17.08	34.38	46.00	-11.62	QP			
6		254.7284	16.11	17.49	33.60	46.00	-12.40	QP			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

Above 1GHz:

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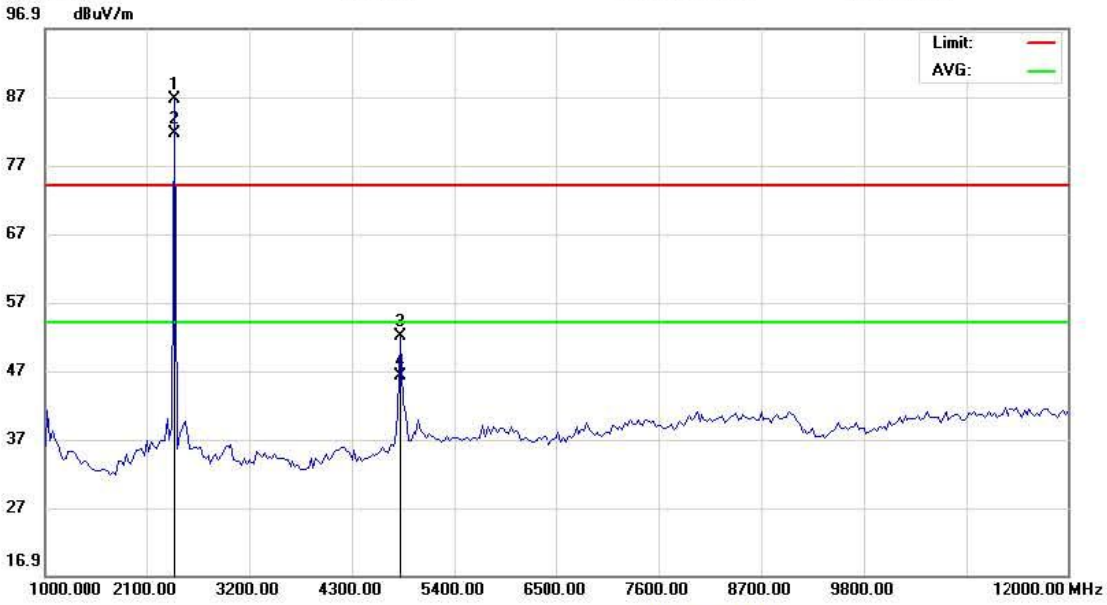
Radiated Emission Measurement

File :HX-P170 Data :#1 Date: 2015-7-18 Time: 9:10:33



Site site #1 Polarization: *Horizontal* Temperature: 24.9
Limit: FCC 1-12G PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH0
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2402.000	95.02	-8.43	86.59	74.00	12.59	peak			
2	*	2402.000	90.10	-8.43	81.67	54.00	27.67	AVG			
3		4804.000	58.20	-6.15	52.05	74.00	-21.95	peak			
4		4804.000	52.39	-6.15	46.24	54.00	-7.76	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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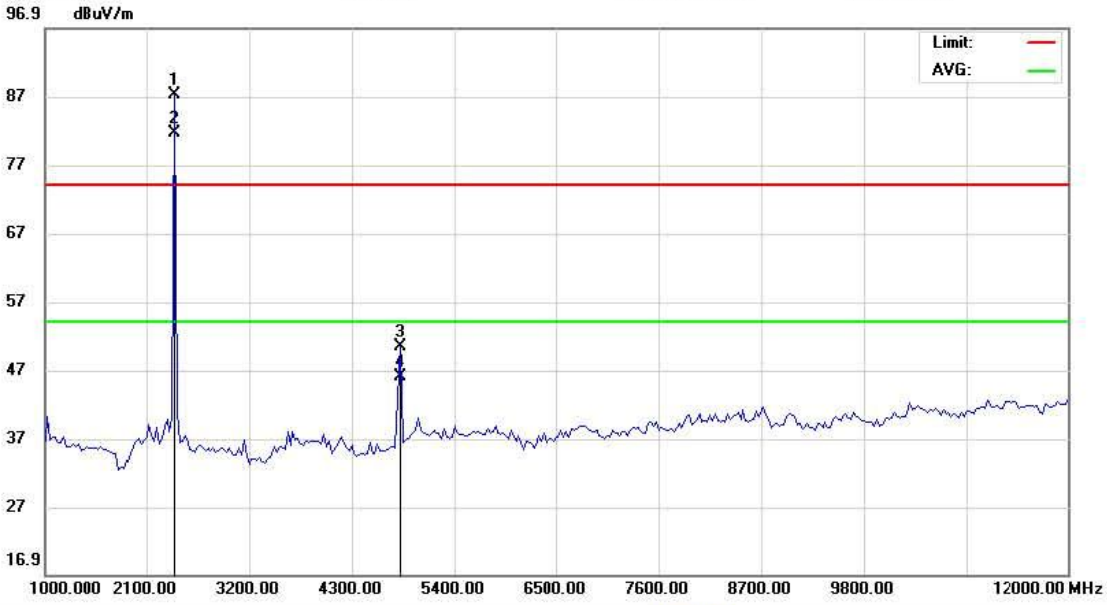
Radiated Emission Measurement

File :HX-P170 Data :#2 Date: 2015-7-18 Time: 9:18:20



Site site #1 Polarization: *Vertical* Temperature: 24.9
Limit: FCC 1-12G PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH0
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2402.000	95.62	-8.43	87.19	74.00	13.19	peak			
2	*	2402.000	90.00	-8.43	81.57	54.00	27.57	AVG			
3		4804.000	56.49	-6.15	50.34	74.00	-23.66	peak			
4		4804.000	52.14	-6.15	45.99	54.00	-8.01	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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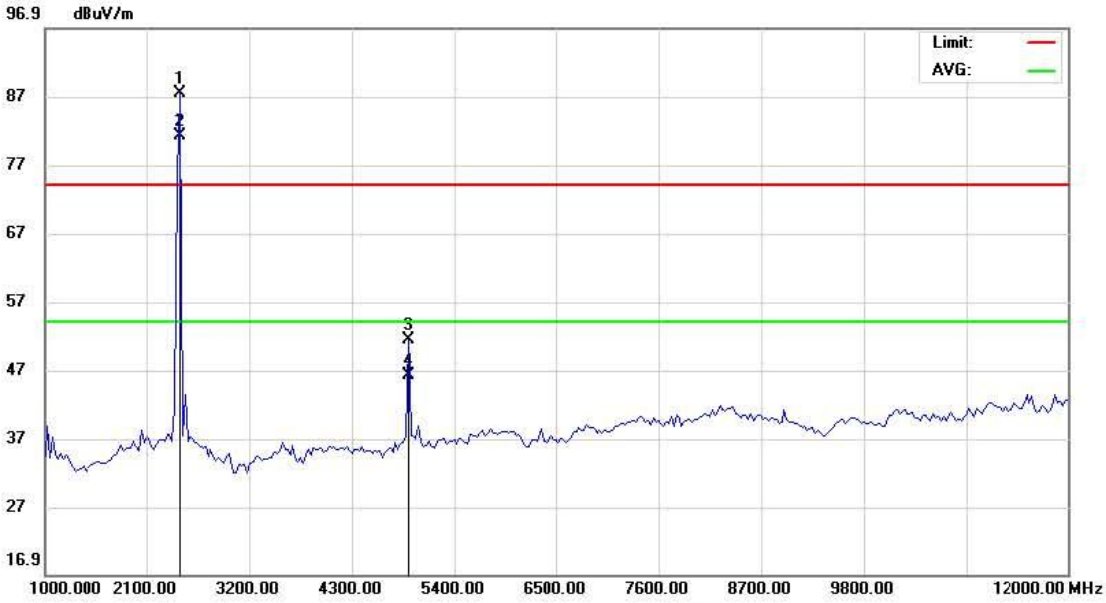
Radiated Emission Measurement

File :HX-P170 Data :#3 Date: 2015-7-18 Time: 9:29:50



Site site #1 Polarization: *Vertical* Temperature: 24.9
Limit: FCC 1-12G PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH39
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2441.000	95.68	-8.36	87.32	74.00	13.32	peak			
2	*	2441.000	89.52	-8.36	81.16	54.00	27.16	AVG			
3		4882.000	56.65	-5.21	51.44	74.00	-22.56	peak			
4		4882.000	51.36	-5.21	46.15	54.00	-7.85	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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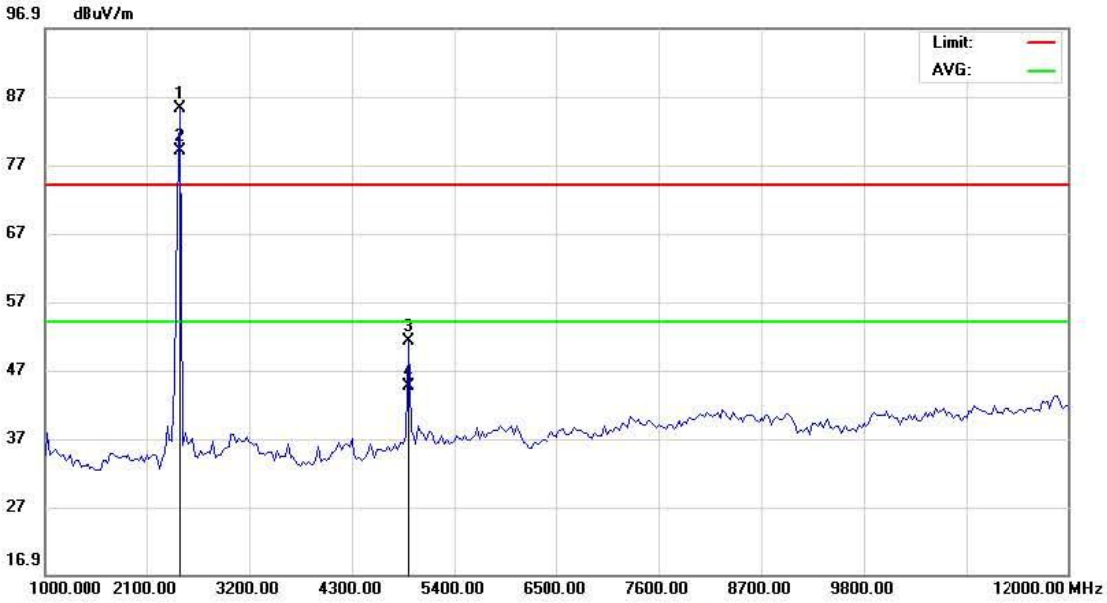
Radiated Emission Measurement

File :HX-P170 Data :#4 Date: 2015-7-18 Time: 9:35:05



Site site #1 Polarization: *Horizontal* Temperature: 24.9
Limit: FCC 1-12G PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH39
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2441.000	93.53	-8.36	85.17	74.00	11.17	peak			
2	*	2441.000	87.44	-8.36	79.08	54.00	25.08	AVG			
3		4882.000	56.50	-5.21	51.29	74.00	-22.71	peak			
4		4882.000	49.87	-5.21	44.66	54.00	-9.34	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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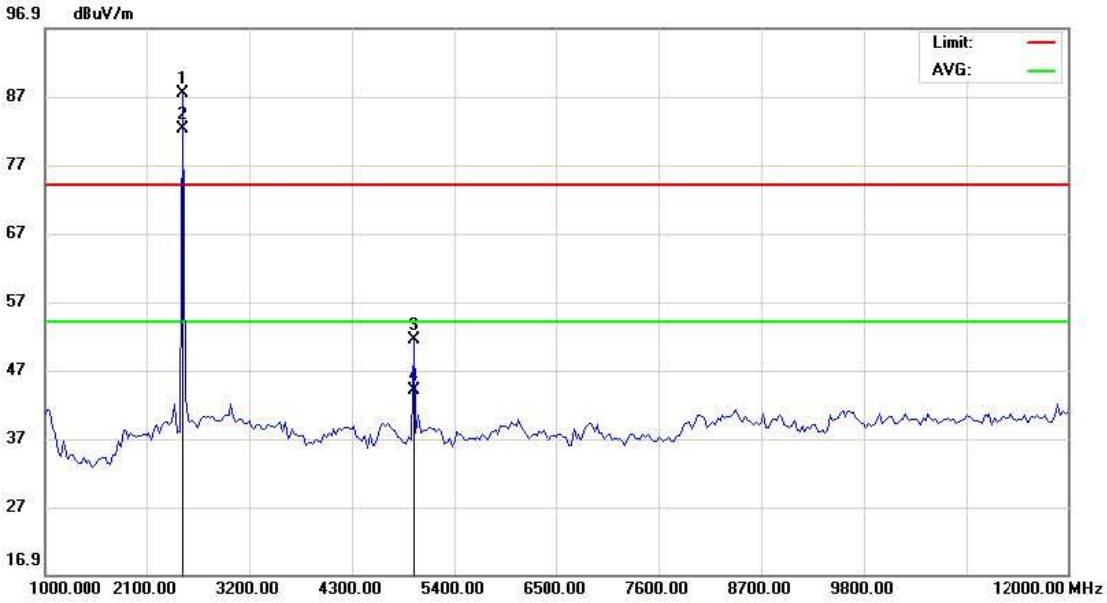
Radiated Emission Measurement

File :HX-P170 Data :#5 Date: 2015-7-18 Time: 9:45:48



Site site #1 Polarization: *Horizontal* Temperature: 24.9
Limit: FCC 1-12G PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH78
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2480.000	95.62	-8.30	87.32	74.00	13.32	peak			
2	*	2480.000	90.57	-8.30	82.27	54.00	28.27	AVG			
3		4960.000	55.62	-4.27	51.35	74.00	-22.65	peak			
4		4960.000	48.20	-4.27	43.93	54.00	-10.07	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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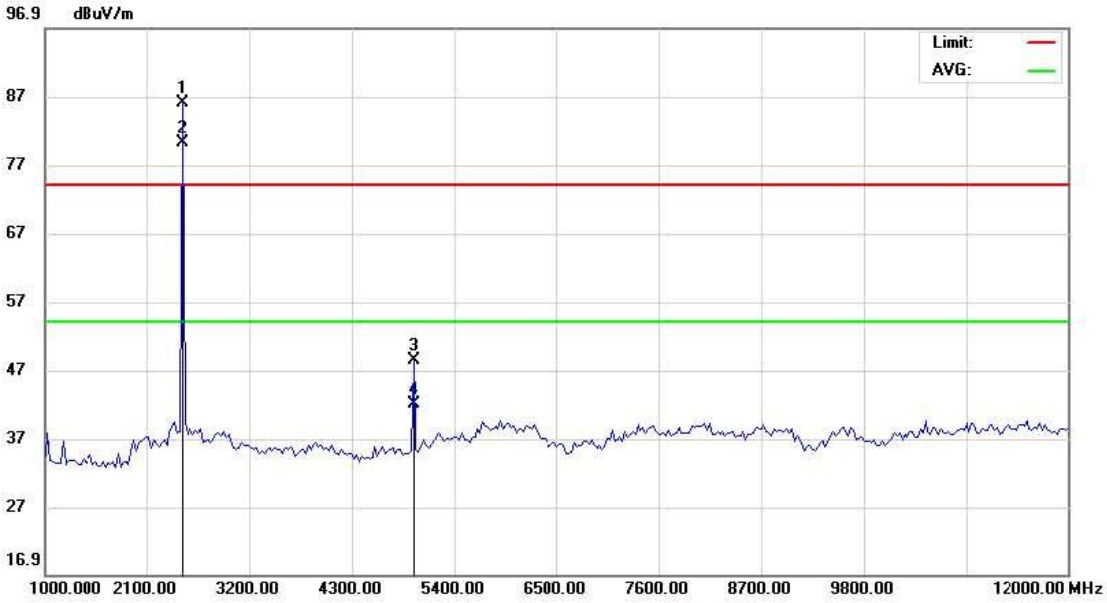
Radiated Emission Measurement

File :HX-P170 Data :#6 Date: 2015-7-18 Time: 9:55:36



Site site #1 Polarization: *Vertical* Temperature: 24.9
Limit: FCC 1-12G PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH78
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2480.000	94.30	-8.30	86.00	74.00	12.00	peak			
2	*	2480.000	88.41	-8.30	80.11	54.00	26.11	AVG			
3		4960.000	52.73	-4.27	48.46	74.00	-25.54	peak			
4		4960.000	46.22	-4.27	41.95	54.00	-12.05	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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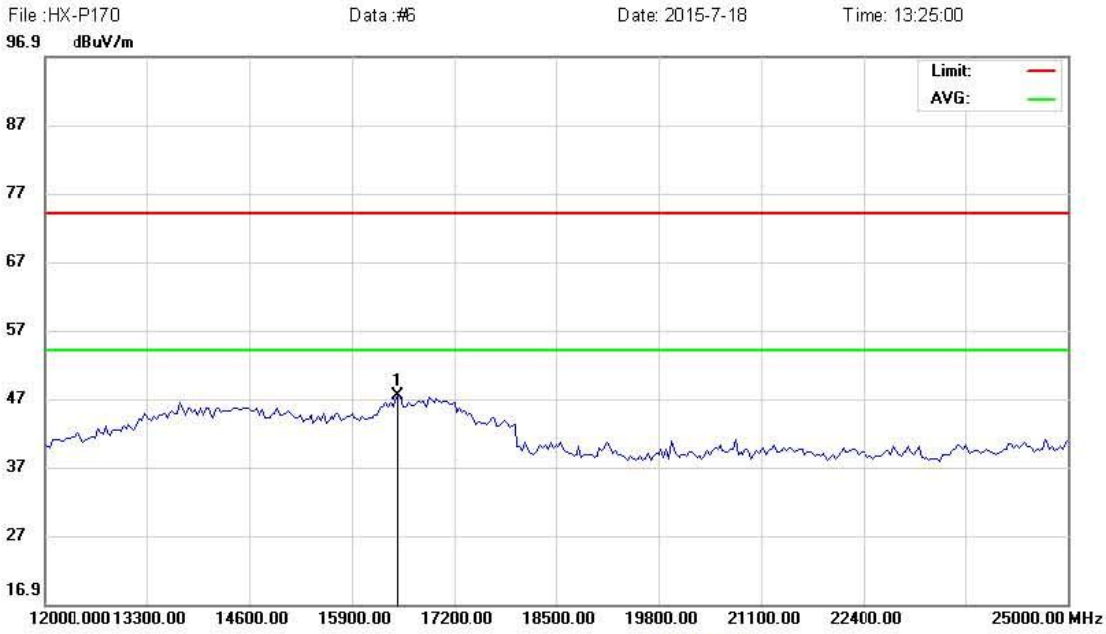
Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Trace Max Wireless Speaker
M/N: HX-P170
Mode: GFSK-CH0
Note:

Polarization: *Vertical*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	16485.00	42.30	5.19	47.49	74.00	-26.51	peak			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

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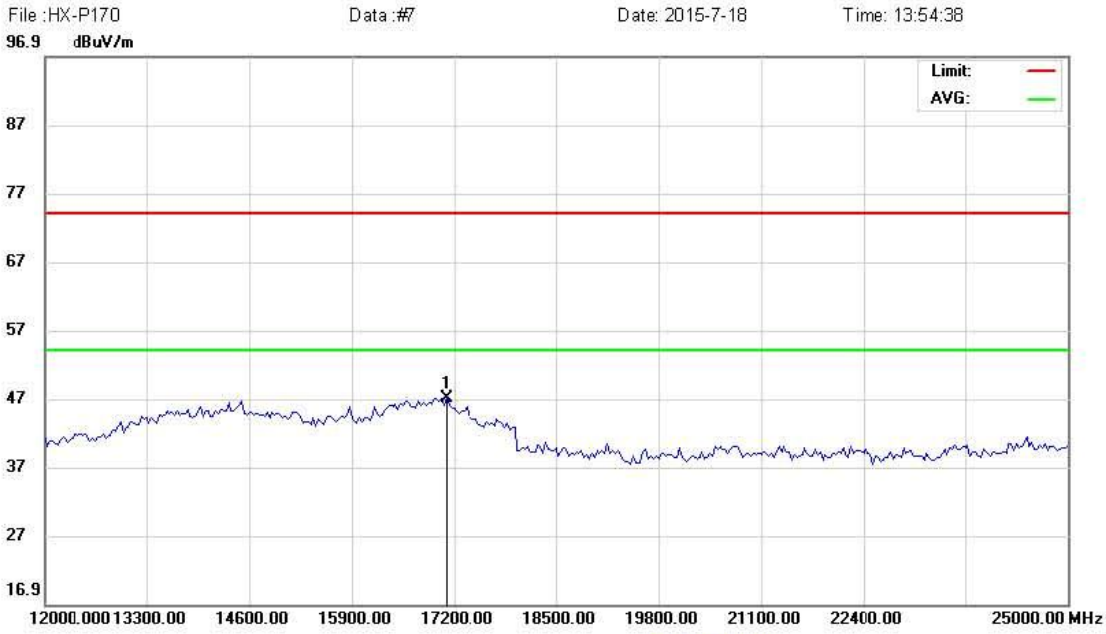
Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Trace Max Wireless Speaker
M/N: HX-P170
Mode: GFSK-CH0
Note:

Polarization: *Horizontal*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	17102.50	40.73	6.37	47.10	74.00	-26.90	peak			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

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Radiated Emission Measurement

Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Trace Max Wireless Speaker
M/N: HX-P170
Mode: GFSK-CH39
Note:

Polarization: *Horizontal*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	16712.50	41.27	5.98	47.25	74.00	-26.75	peak			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

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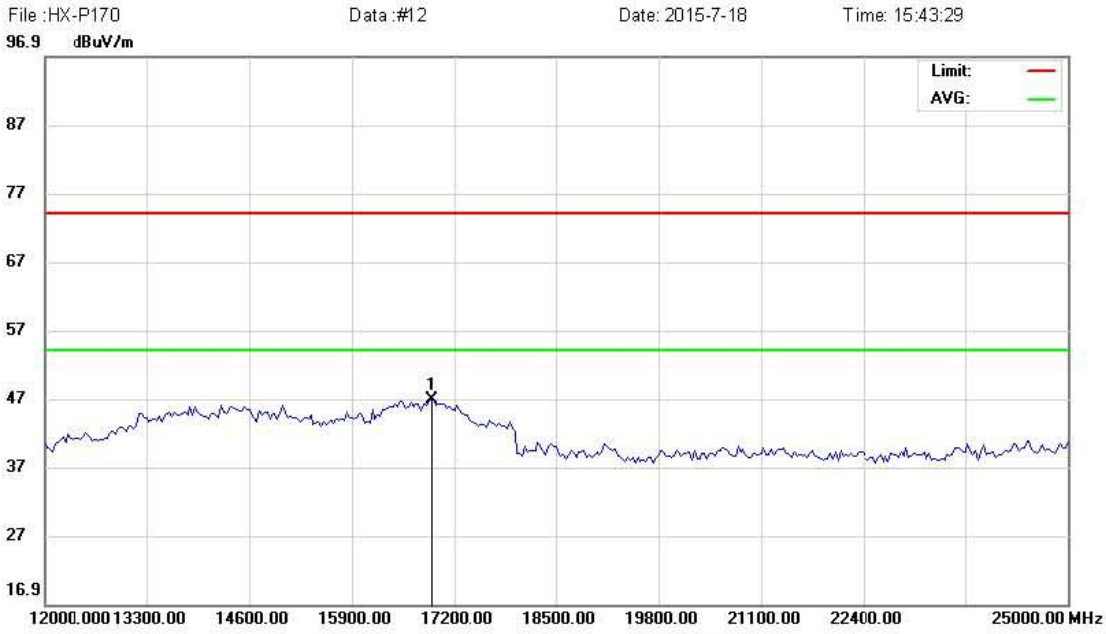
Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Trace Max Wireless Speaker
M/N: HX-P170
Mode: GFSK-CH39
Note:

Polarization: *Vertical*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	16907.50	40.19	6.62	46.81	74.00	-27.19	peak			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

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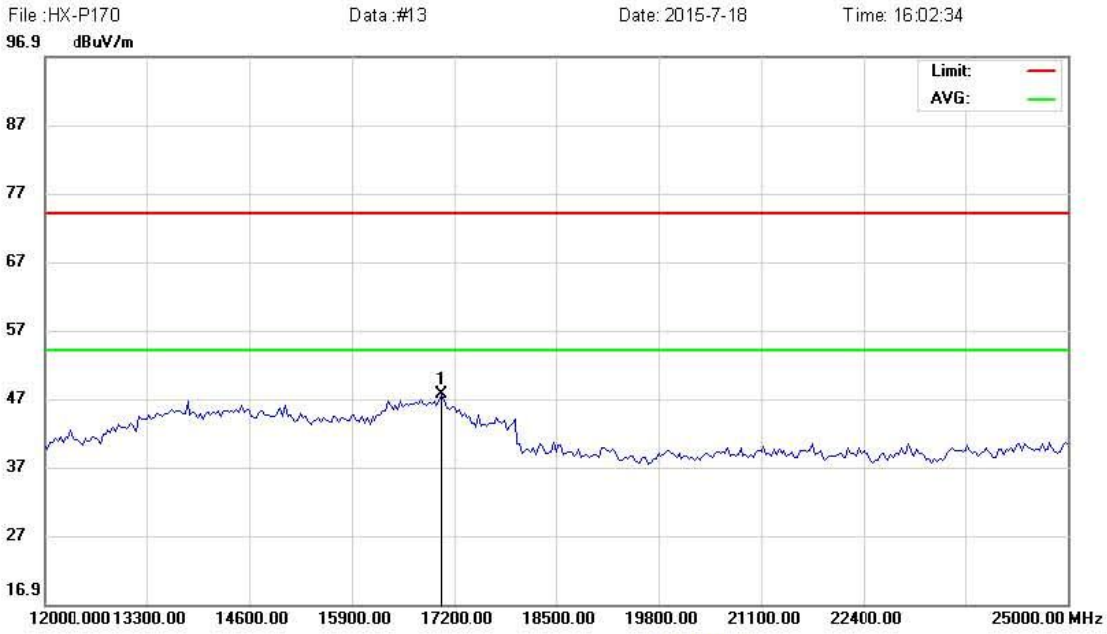
Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Trace Max Wireless Speaker
M/N: HX-P170
Mode: GFSK-CH78
Note:

Polarization: *Vertical*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	17037.50	40.79	6.73	47.52	74.00	-26.48	peak			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

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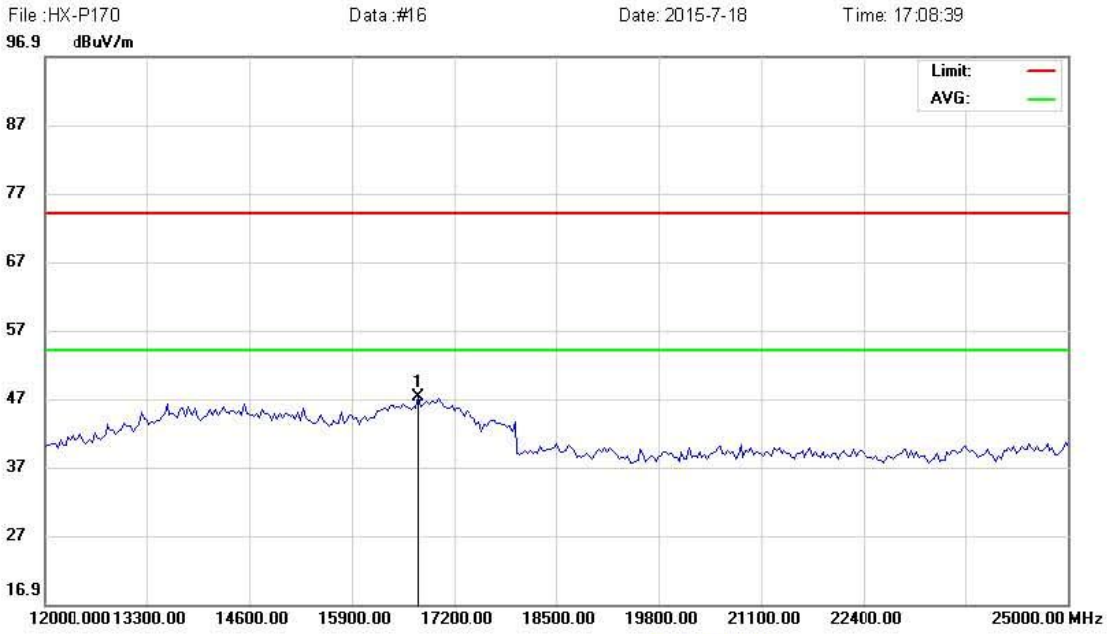
Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Trace Max Wireless Speaker
M/N: HX-P170
Mode: GFSK-CH78
Note:

Polarization: *Horizontal*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	16745.00	41.15	6.08	47.23	74.00	-26.77	peak			

*:Maximum data x:Over limit !:over margin

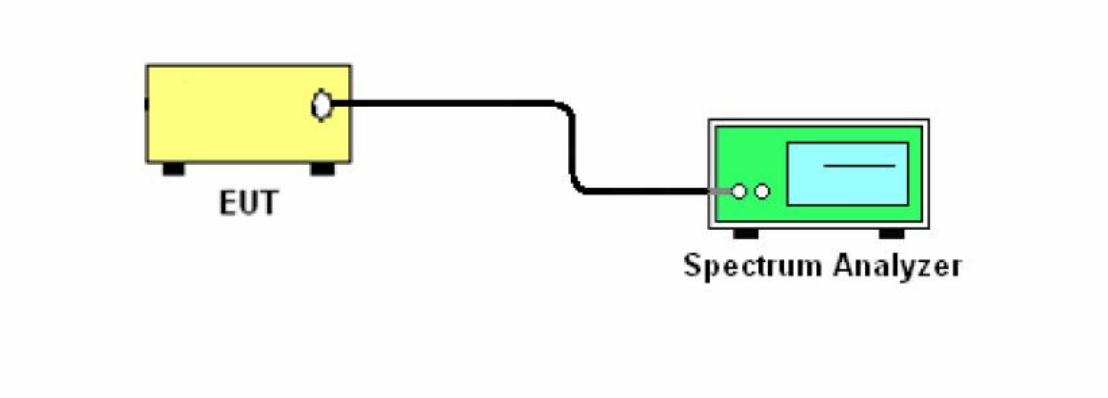
Engineer Signature: Kang

5.5 Conducted Peak Output Power

5.5.1 Requirement

According to FCC Section 15.247(b)(1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725- 5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts

5.5.2 Block Diagram of Test Setup



5.5.3 Test Procedure

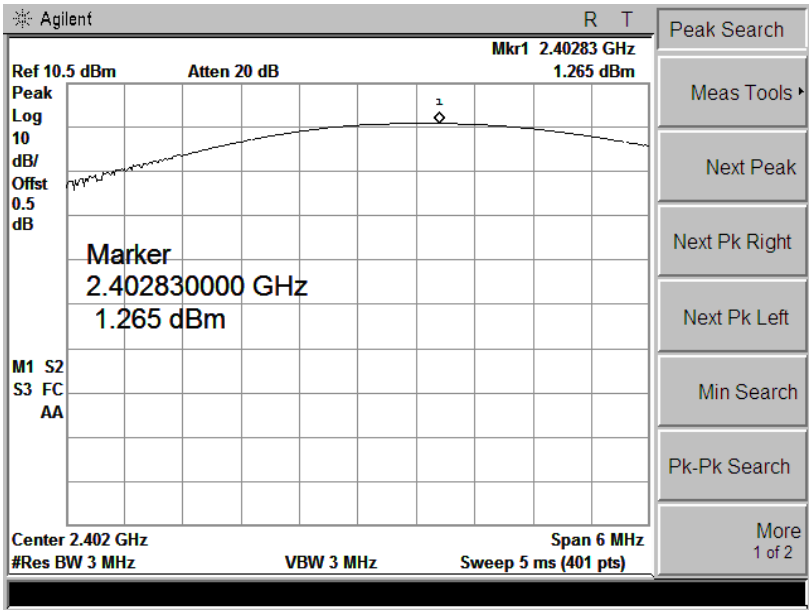
1. Place the EUT on a bench and set in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to an EMI test receiver.
3. Add a correction factor to the display.

5.5.4 Test Result

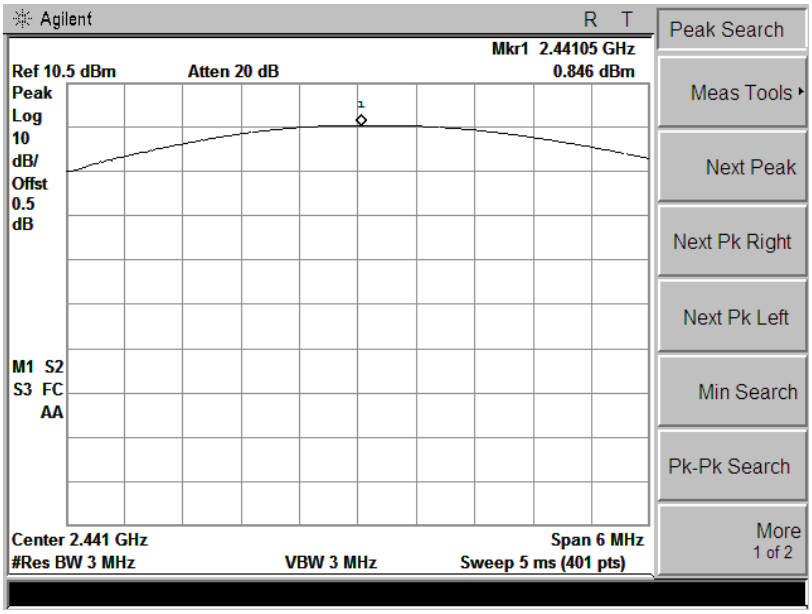
Test Item:	Peak Output Power	**Temperature :**	21°C
Test Engineer:	Kang	**Relative Humidity :**	59%

Mode	**Channel**	**Frequency (MHz)**	**Peak Output Power(dBm)**	**Limit**		**Pass/Fail**
				(mW)	**(dBm)**	
BDR (GFSK)	Low	2402	1.265	125	20.97	Pass
	Middle	2441	0.846	125	20.97	Pass
	High	2480	0.493	125	20.97	Pass
EDR (π /4-DQPSK)	Low	2402	1.157	125	20.97	Pass
	Middle	2441	0.799	125	20.97	Pass
	High	2480	0.465	125	20.97	Pass
EDR (8DPSK)	Low	2402	1.155	125	20.97	Pass
	Middle	2441	0.789	125	20.97	Pass
	High	2480	0.450	125	20.97	Pass

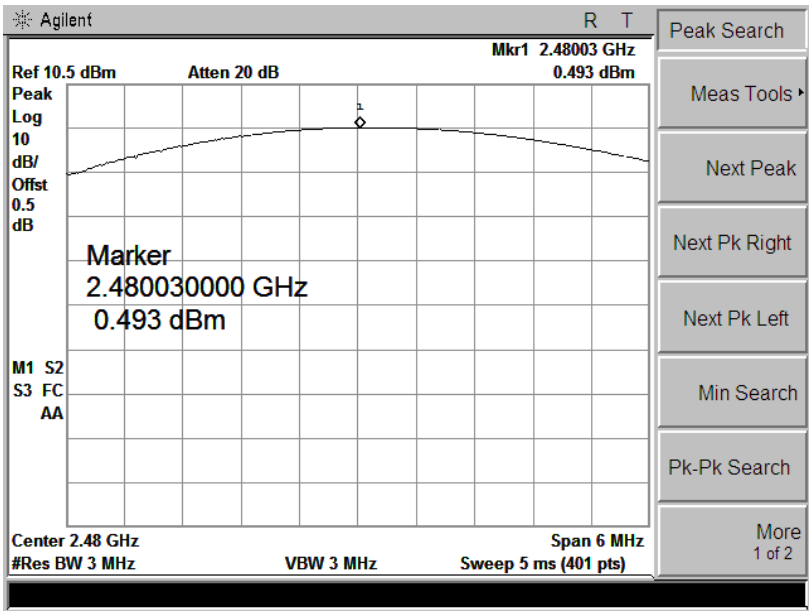
GFSK Mode



Ch 0

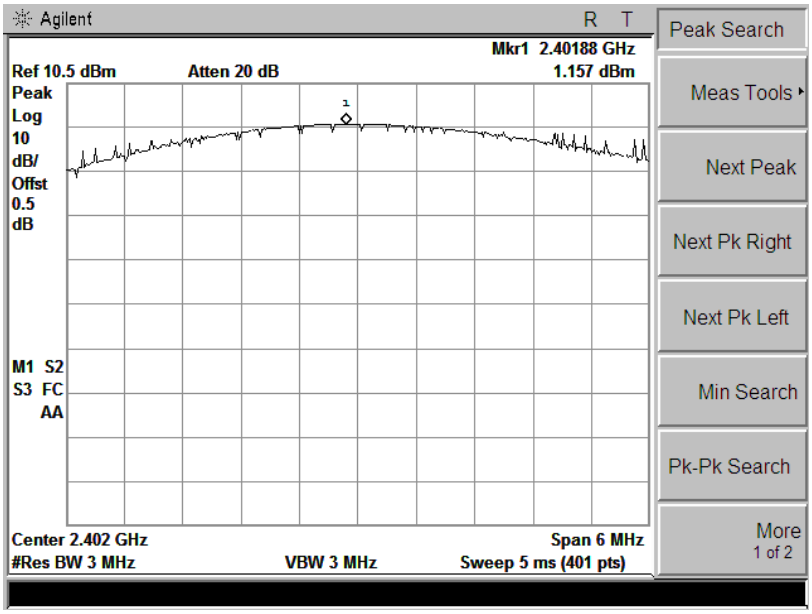


Ch 39

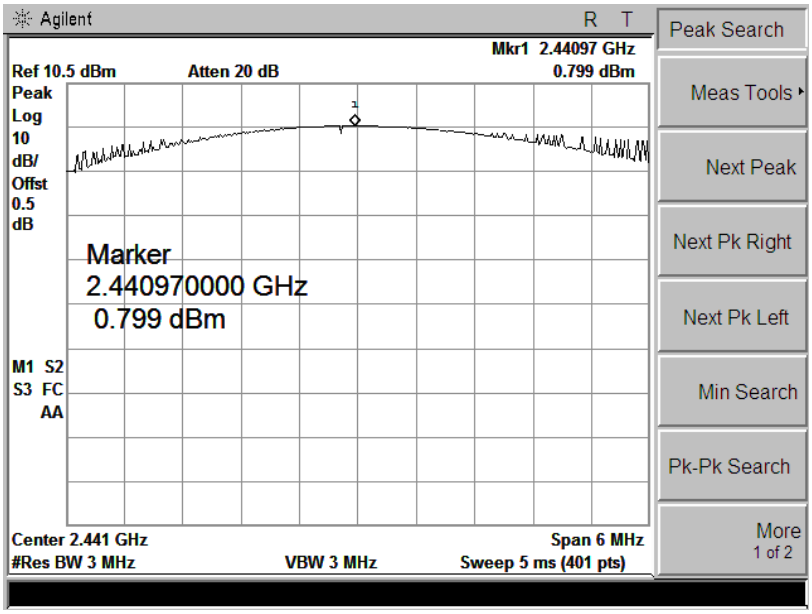


Ch 78

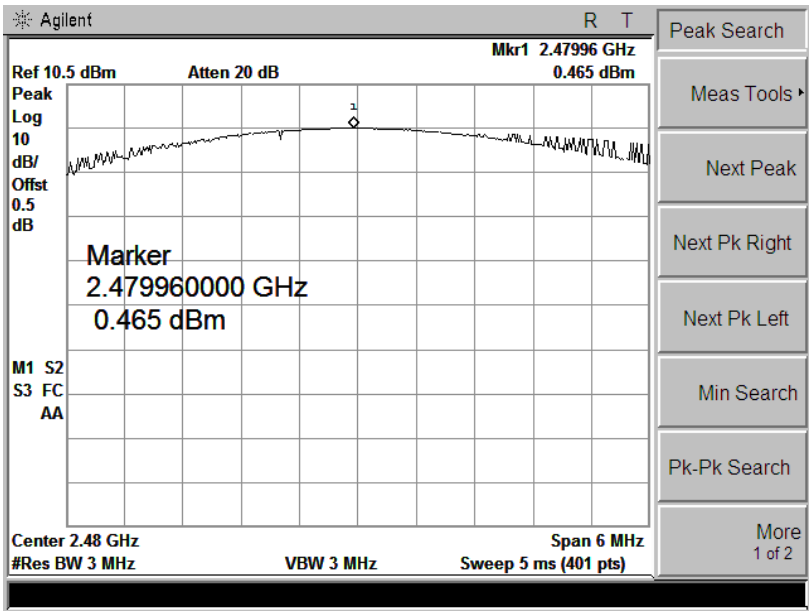
π/4-DQPSK Mode



Ch 0

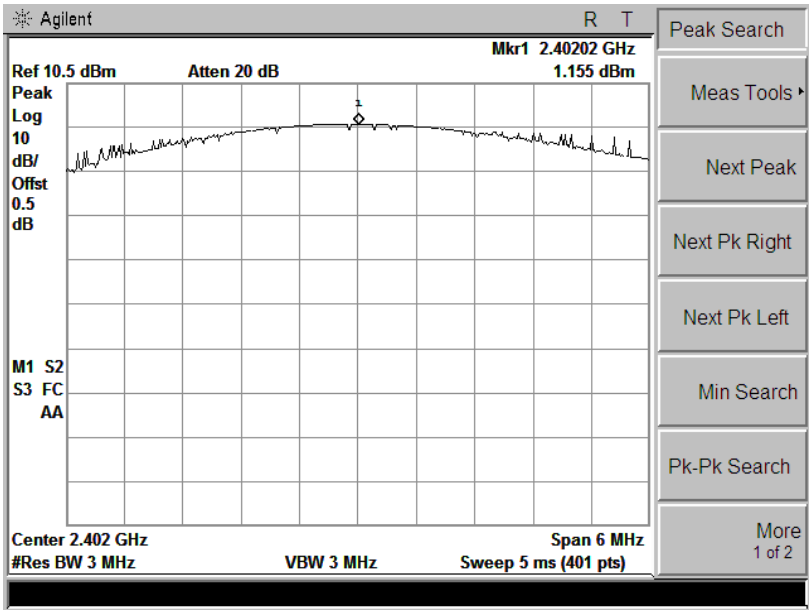


Ch 39

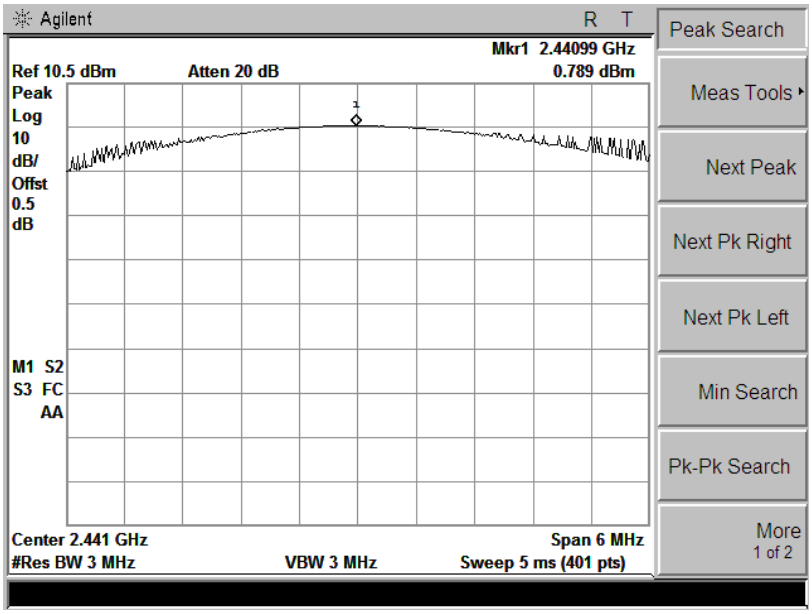


Ch 78

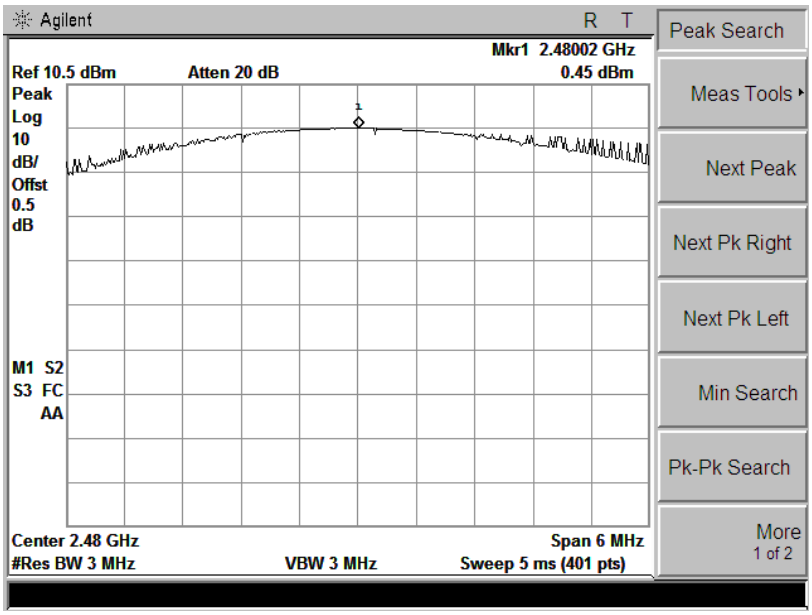
8DPSK Mode



Ch 0



Ch 39



5.6 20dB Emission Bandwidth

5.6.1 Test Requirement

The bandwidth of a frequency hopping channel is the -20 dB emission bandwidth, measured with the hopping stopped.

5.6.2 Test Procedure

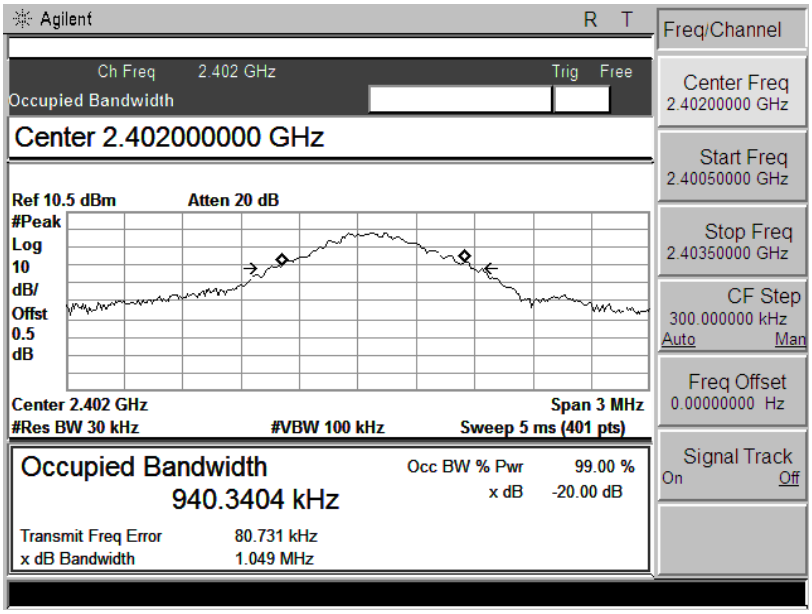
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT on the test table without connection to measurement instrument. Turn on the EUT.Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

5.6.3 Test Result

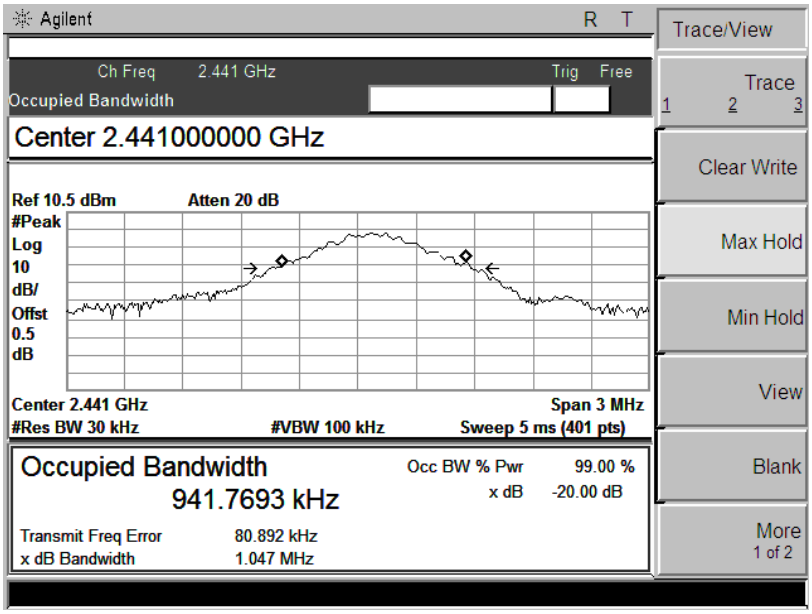
Test Item:	20dB Emission Bandwidth	**Temperature :**	23°C
Test Engineer:	Kang	**Relative Humidity :**	65%

Mode	Channel	Frequency (MHz)	20dB Bandwidth(MHz)
BDR (GFSK)	Low	2402	1.049
	Middle	2441	1.047
	High	2480	1.052
EDR (π /4-DQPSK)	Low	2402	1.383
	Middle	2441	1.371
	High	2480	1.369
EDR (8DPSK)	Low	2402	1.369
	Middle	2441	1.357
	High	2480	1.357

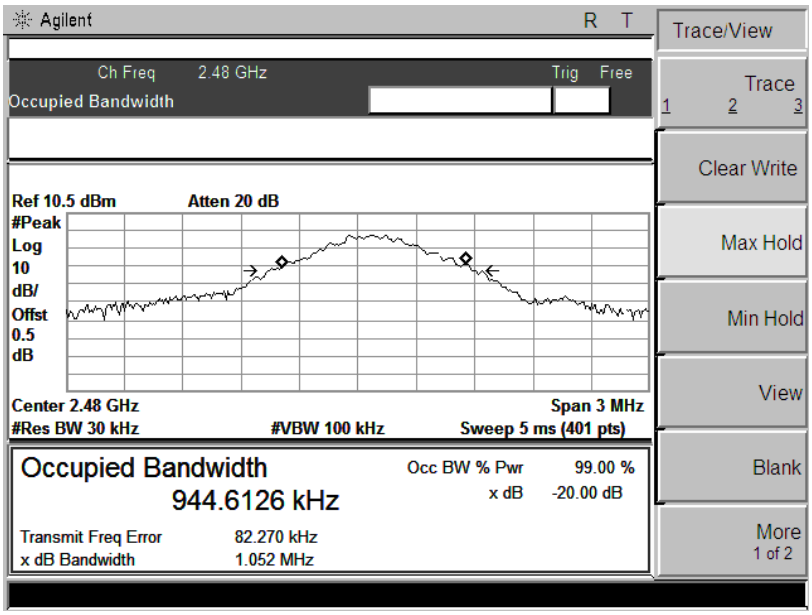
GFSK Mode



Ch 0

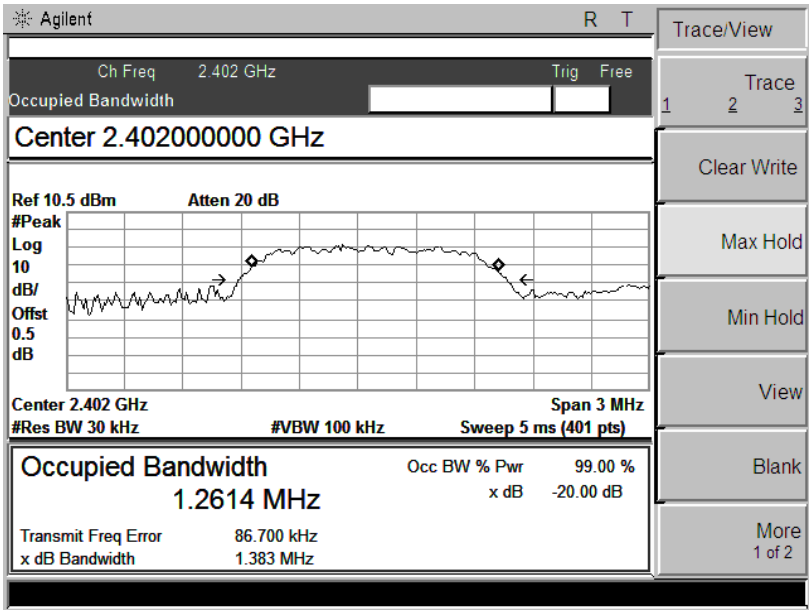


Ch 39

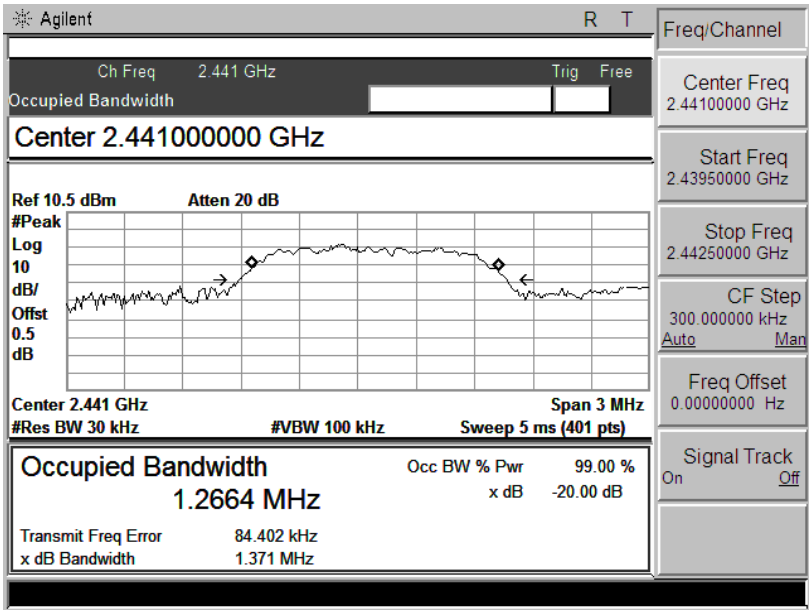


Ch 78

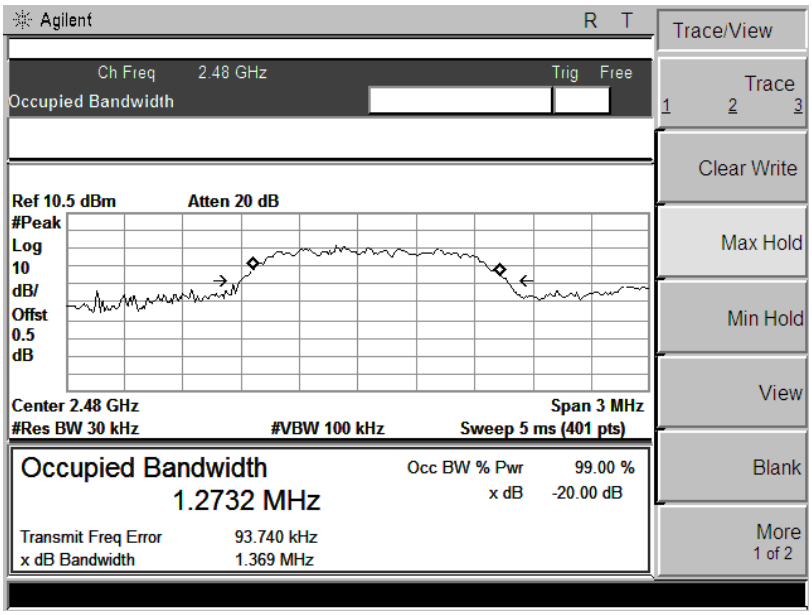
π/4-DQPSK Mode



Ch 0

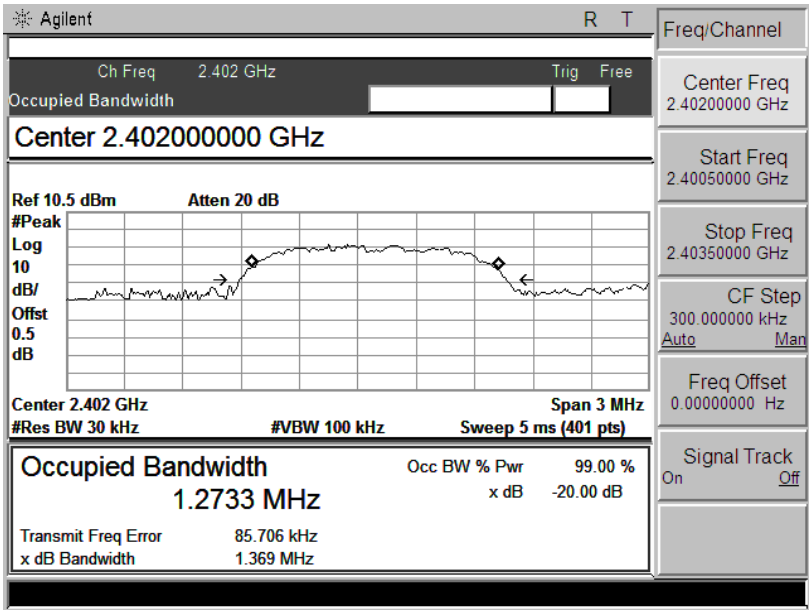


Ch 39

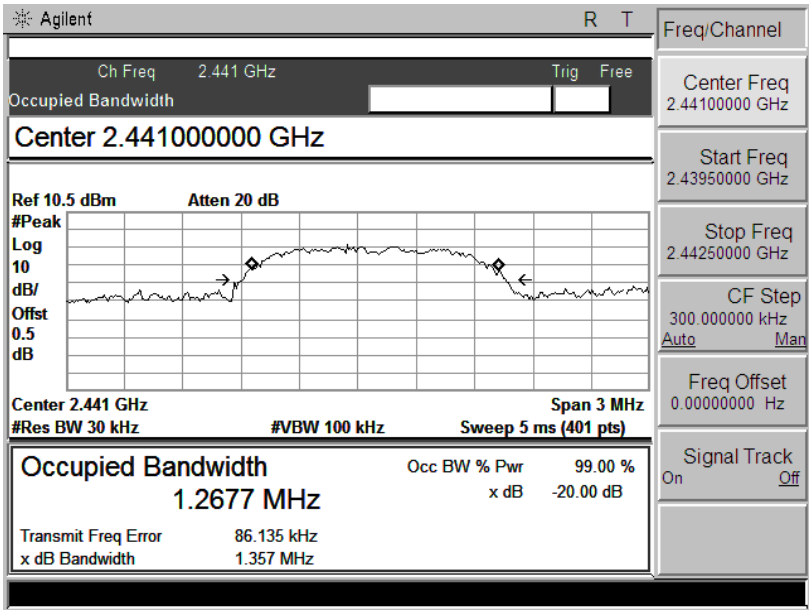


Ch 78

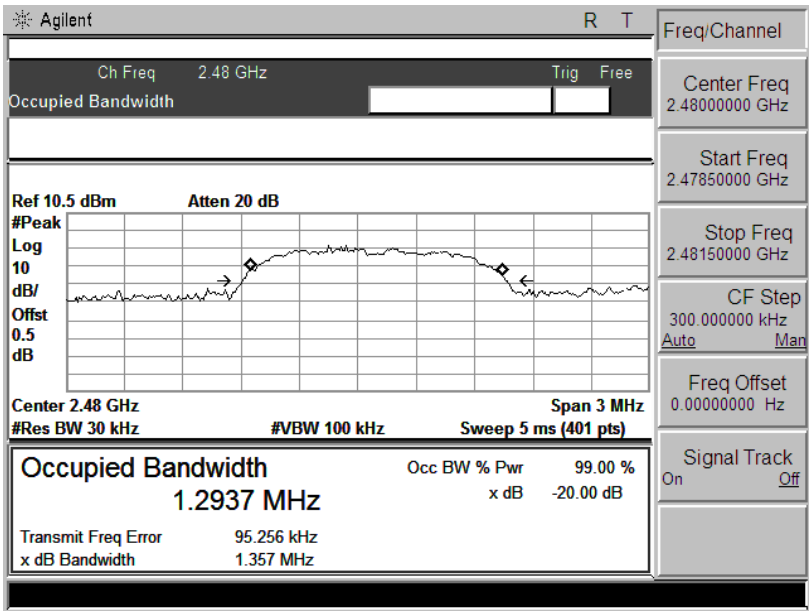
8DPSK Mode



Ch 0



Ch 39



5.7 Carrier Frequency Separation

5.7.1 Test Requirement

Frequency hopping systems shall have hoping channel carrier frequencies separated by a minimum of 25 kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.50 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

5.7.2 Test Procedure

1.Set the EUT in transmitting mode, spectrum Bandwidth was set at 30 kHz, maxhold the channel.

2.Set the adjacent channel of the EUT maxhold another trace

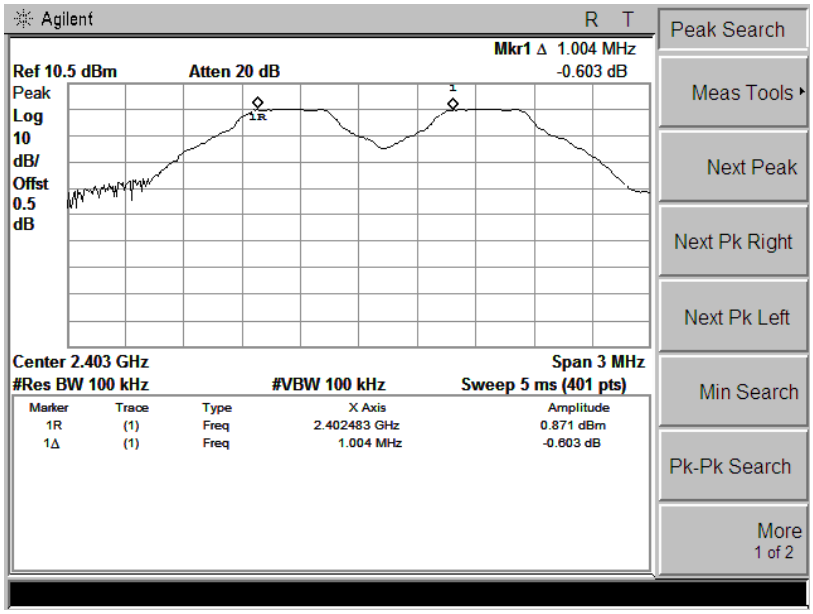
3.Measure the channel separation.

5.7.3 Test Result

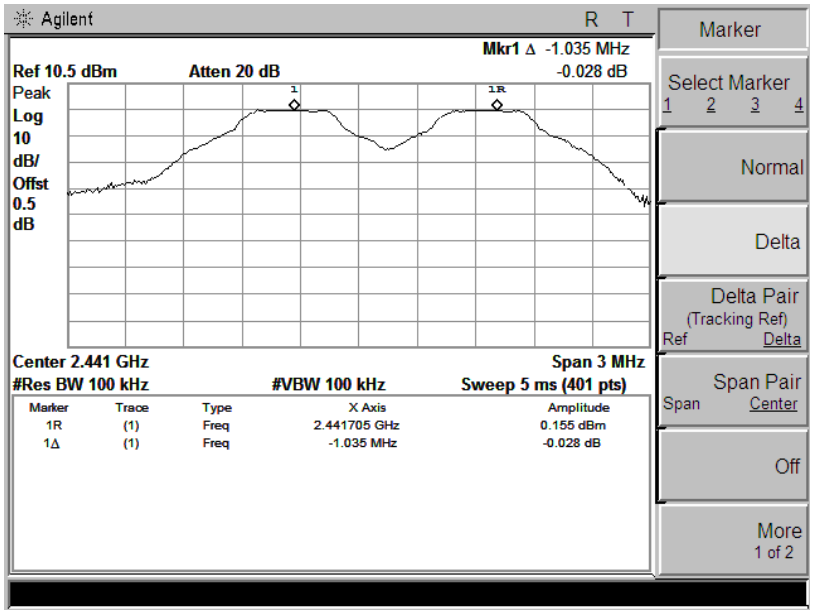
Test Item:	Carrier Frequency Separation	**Temperature :**	23°C
Test Engineer:	Kang	**Relative Humidity :**	65%

Mode	Channel	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)	Result
BDR (GFSK)	Low	2402	1.004	0.699	Pass
	Middle	2441	1.0.35	0.698	Pass
	High	2480	1.013	0.701	Pass
EDR (π /4-DQPSK)	Low	2402	0.990	0.922	Pass
	Middle	2441	1.035	0.914	Pass
	High	2480	1.020	0.913	Pass
EDR (8DPSK)	Low	2402	0.975	0.913	Pass
	Middle	2441	1.027	0.904	Pass
	High	2480	1.005	0.904	Pass

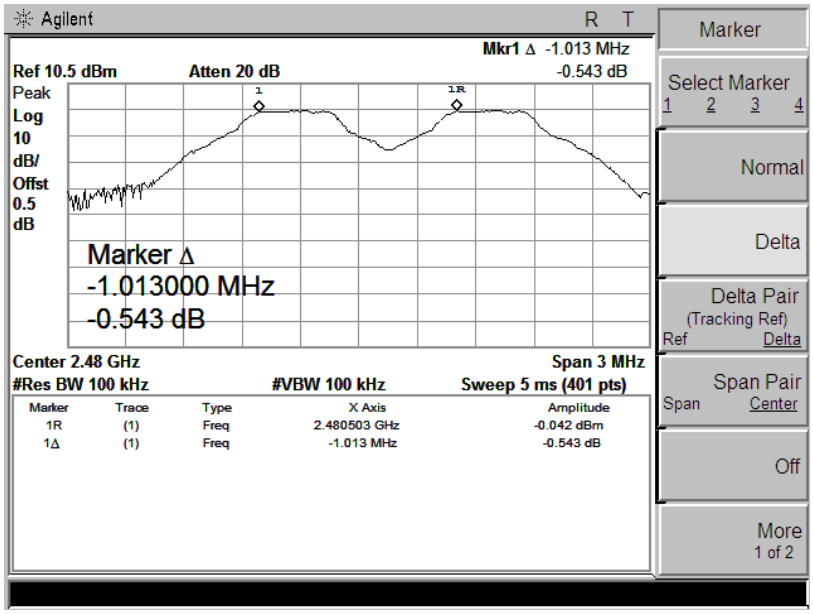
GFSK Mode



Ch 0

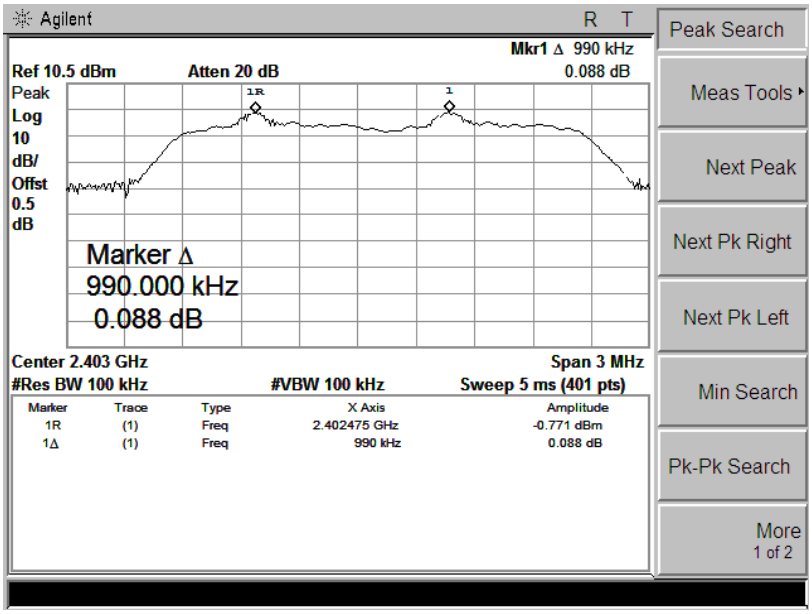


Ch 39

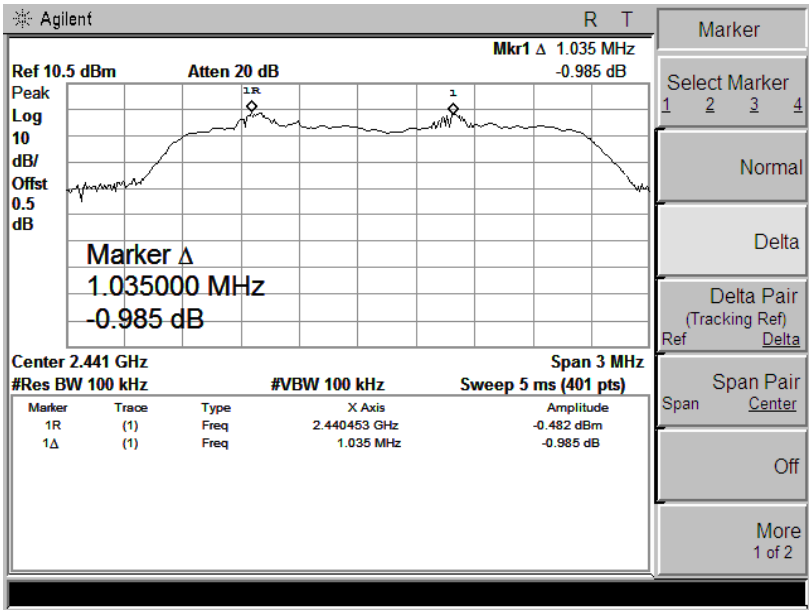


Ch 78

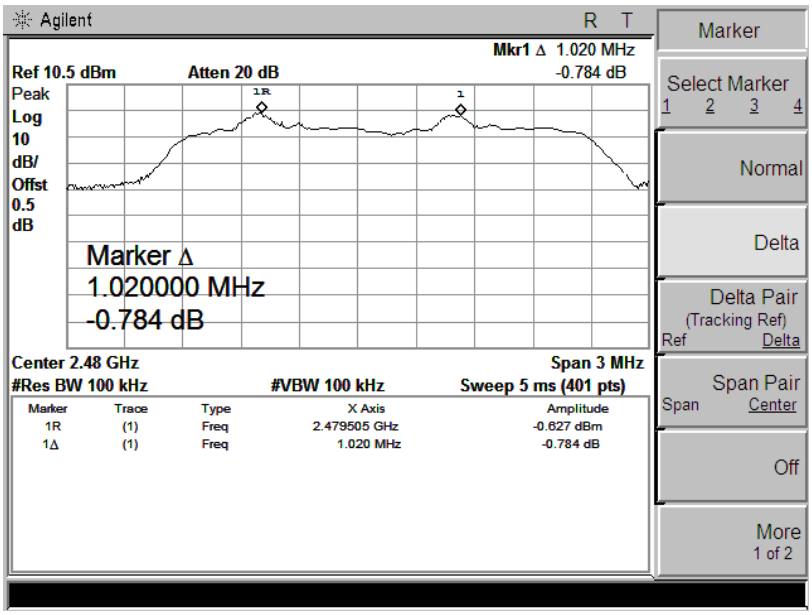
π/4-DQPSK Mode



Ch 0

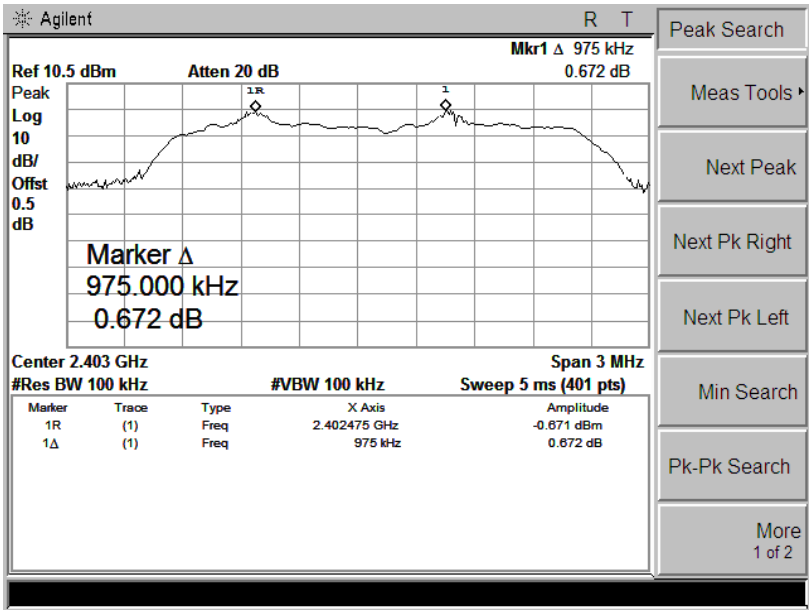


Ch 39

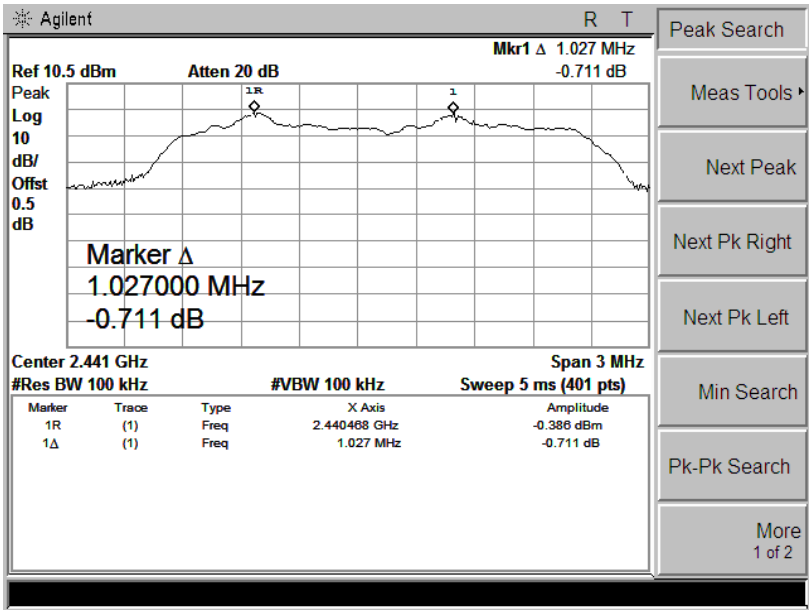


Ch 78

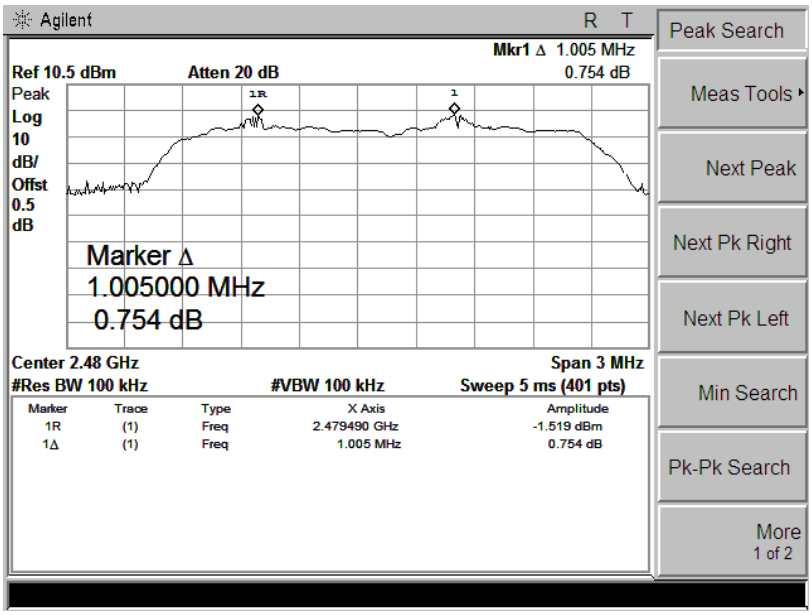
8DPSK Mode



Ch 0



Ch 39



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5.8 Number of Hopping Channel

5.8.1 Test Requirement

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

5.8.2 Test Procedure

1.Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.

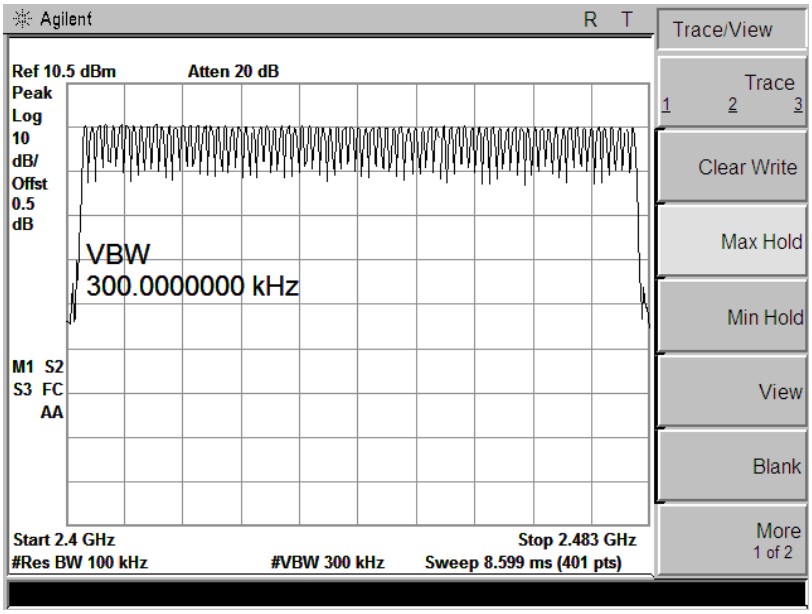
2. Set the EUT in hopping mode from first channel to last.

3. By using the Max-Hold function record the Quantity of the channel.

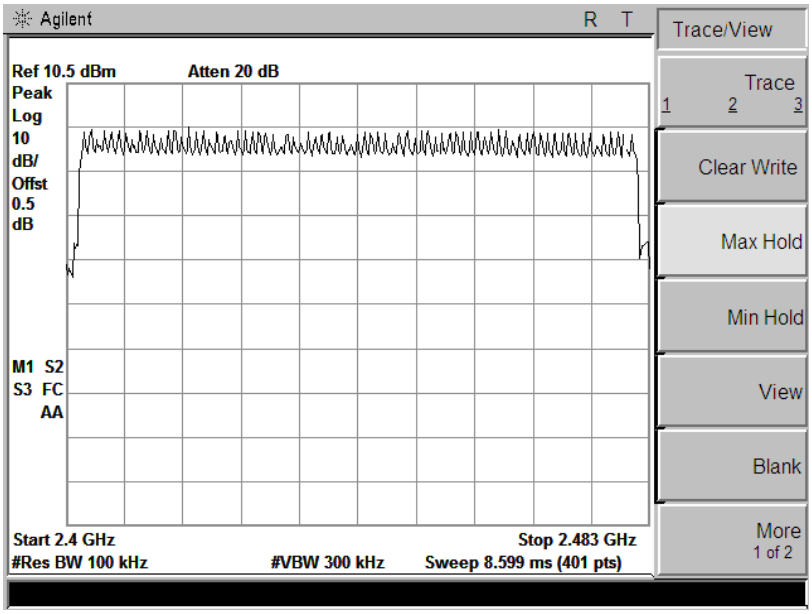
5.8.3 Test Result

Test Item:	Number of Hopping Channel	**Temperature :**	23°C
Test Engineer:	Kang	**Relative Humidity :**	65%

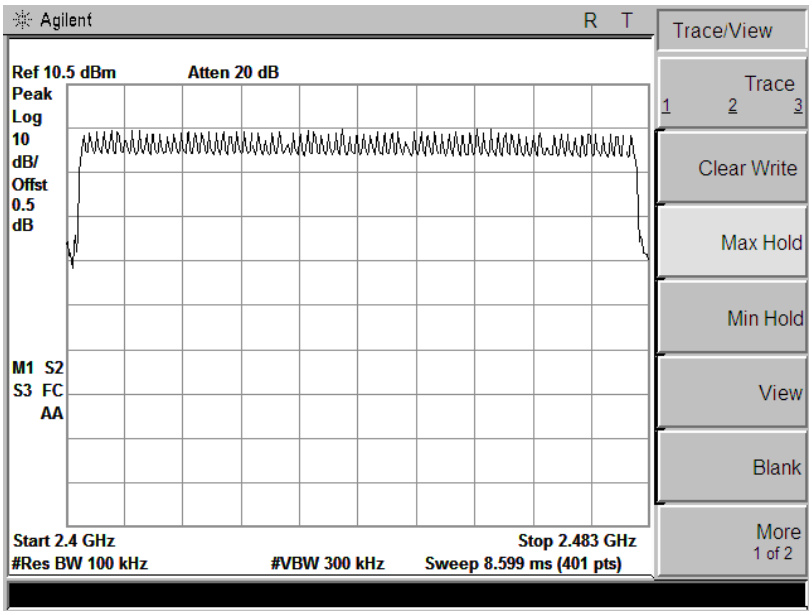
Mode	**Frequency Range (MHz)**	**Number of Hopping Channel**	**Limit**
GFSK	2400-2483.5	79	≥15
π/4-DQPSK	2400-2483.5	79	≥15
8DPSK	2400-2483.5	79	≥15



GFSK Mode



π/4-DQPSK



8DPSK Mode

5.9 Dwell Time

5.9.1 Test Requirement

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

5.9.2 Test Procedure

The EUT was worked in channel hopping; Spectrum SPAN was set as 0. Sweep was set as 0.4 * channel no. (s), the quantity of pulse was get from single sweep. In addition, the time of single pulses was tested.

Dwell Time= time slot length * hope rate/ number of hopping channels * 31.6s Hop rate=1600/s

5.9.3 Test Result

Test Item:	Dwell Time	**Temperature :**	25°C
Test Engineer:	Henry	**Relative Humidity :**	65%

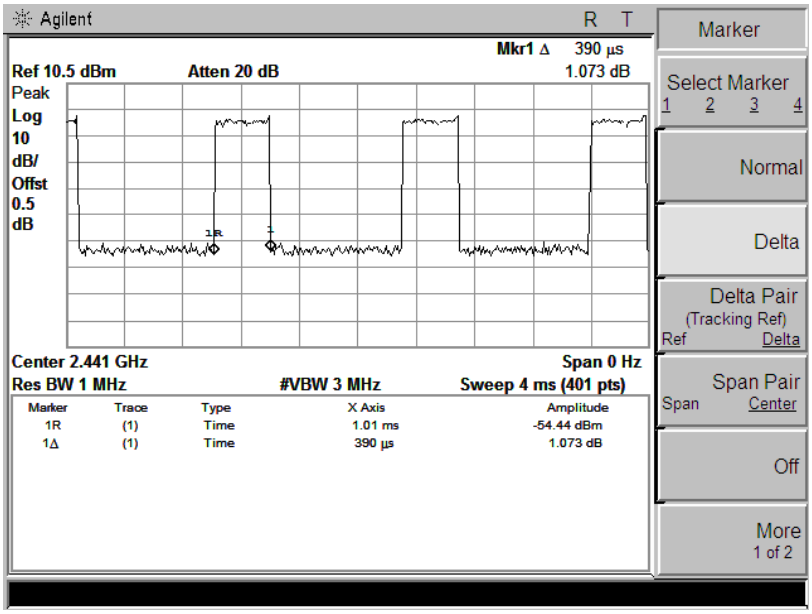
Mode	Packet	Pulse Time (ms)	Dwell Time(ms)	Limit(ms)	Result
GFSK	DH1	0.39	124.8	400	Pass
	DH3	1.68	268.8	400	Pass
	DH5	2.85	304.1	400	Pass
π/4DQPSK	2DH1	0.41	131.2	400	Pass
	2DH3	1.71	273.6	400	Pass
	2DH5	2.83	302.0	400	Pass
8DPSK	3DH1	0.36	115.2	400	Pass
	3DH3	1.66	265.6	400	Pass
	3DH5	2.82	300.9	400	Pass

Note: DH1/2DH1/3DH1: Dwell Time=Pulse Time(ms)X[(1600/2/79)X31.6]

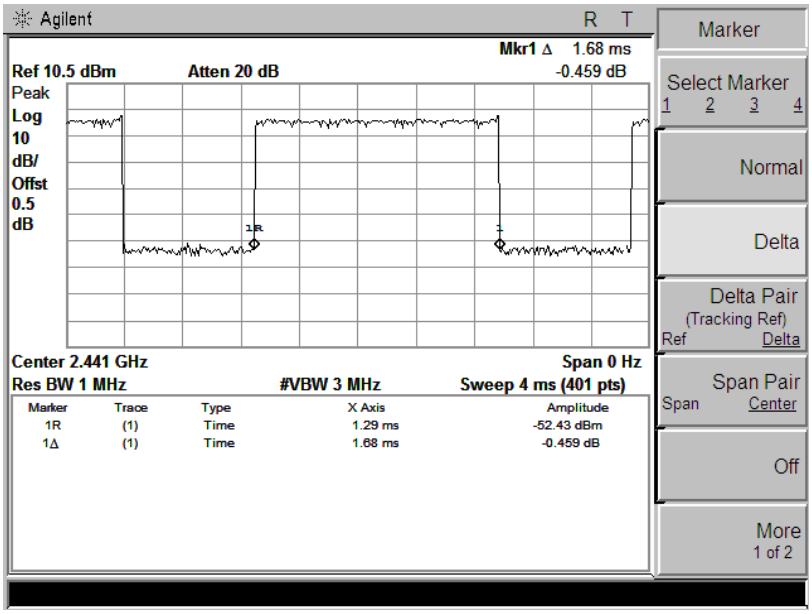
DH3/2DH3/3DH3: Dwell Time= Pulse Time(ms)X[(1600/4/79)X31.6]

DH5/2DH5/3DH5: Dwell Time= Pulse Time(ms)X[(1600/6/79)X31.6]

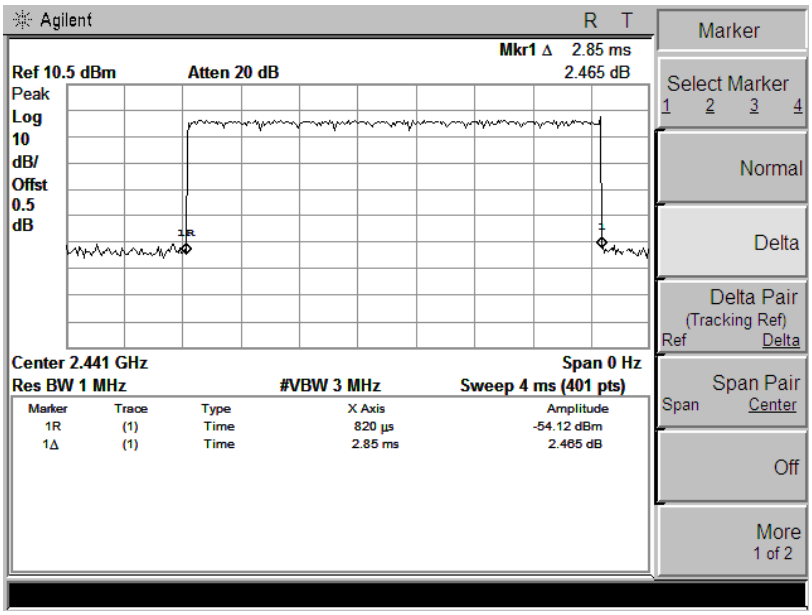
GFSK Mode



DH1

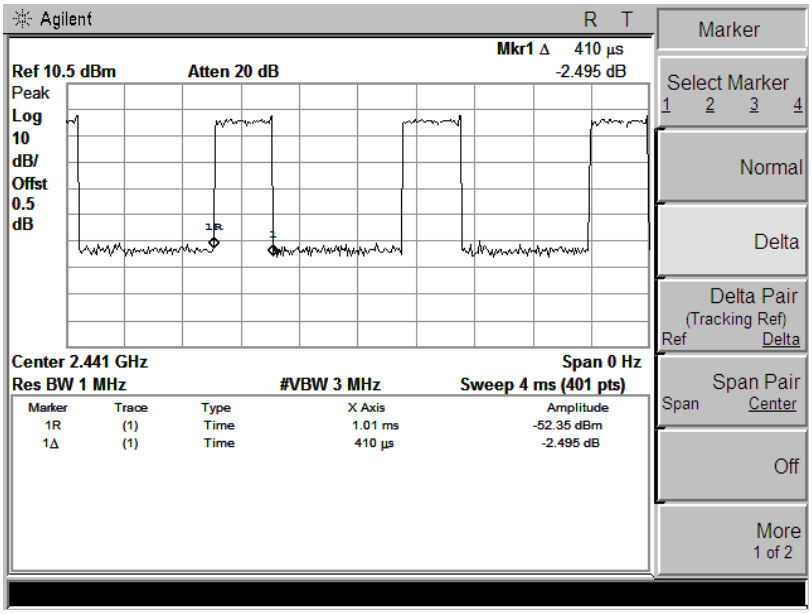


DH3

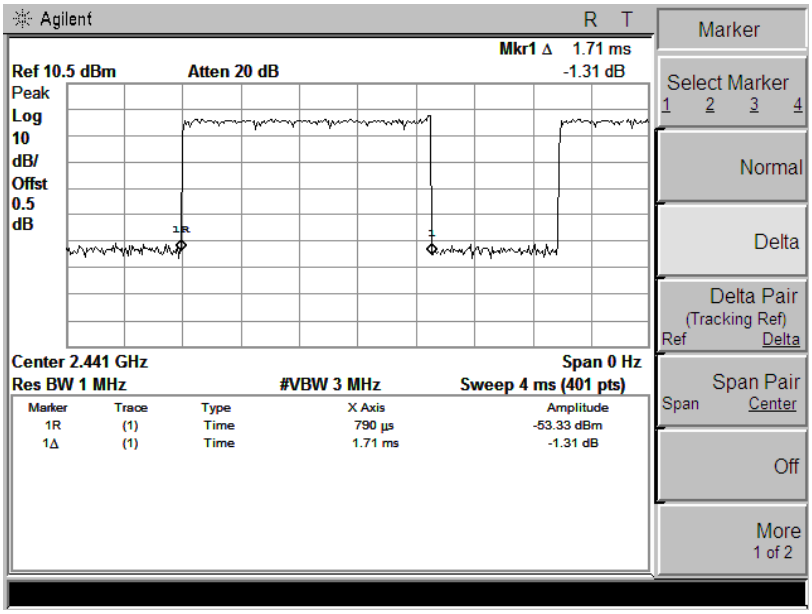


DH5

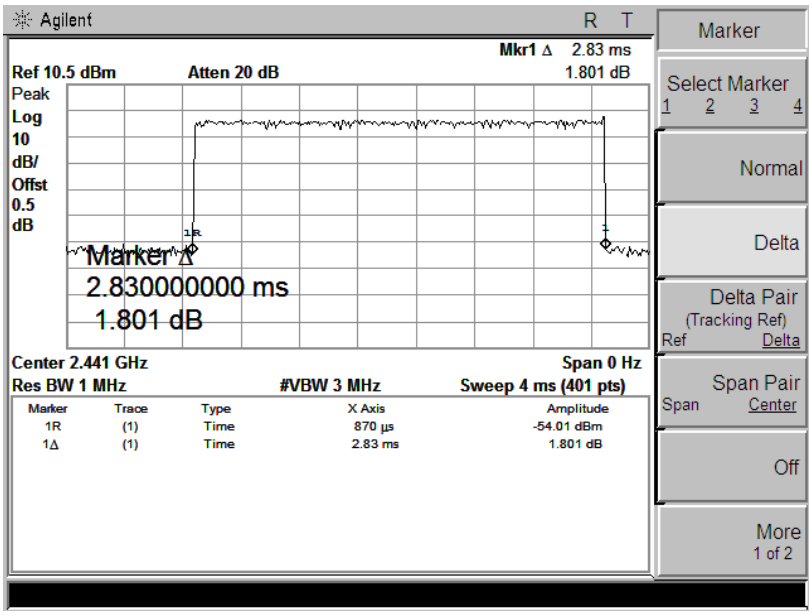
π/4-DQPSK Mode



DH1

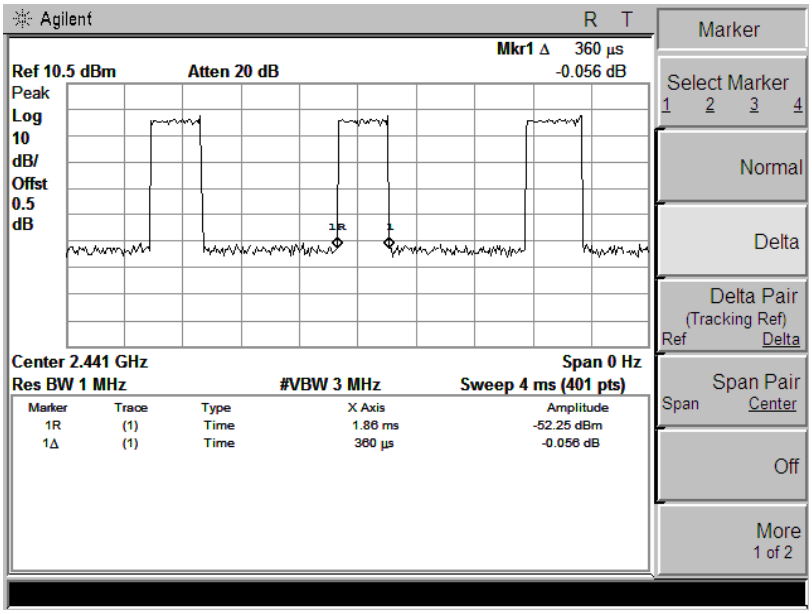


DH3

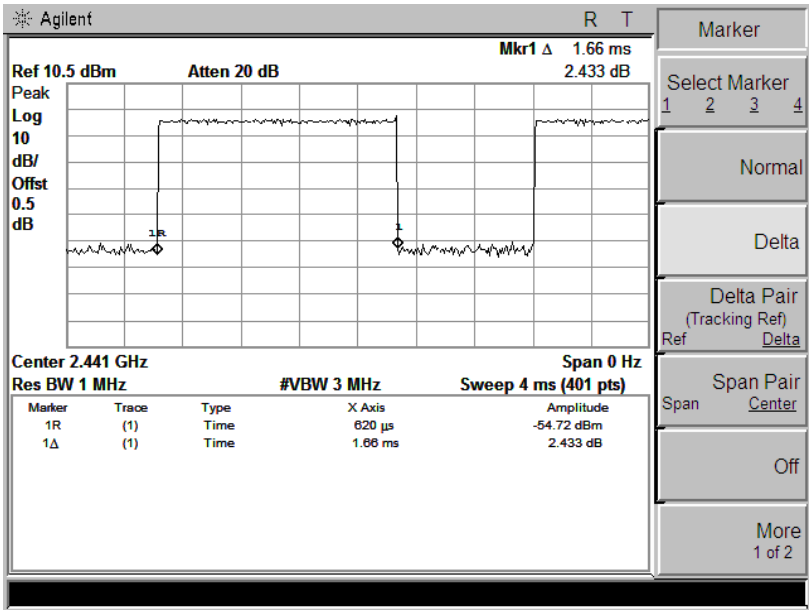


DH5

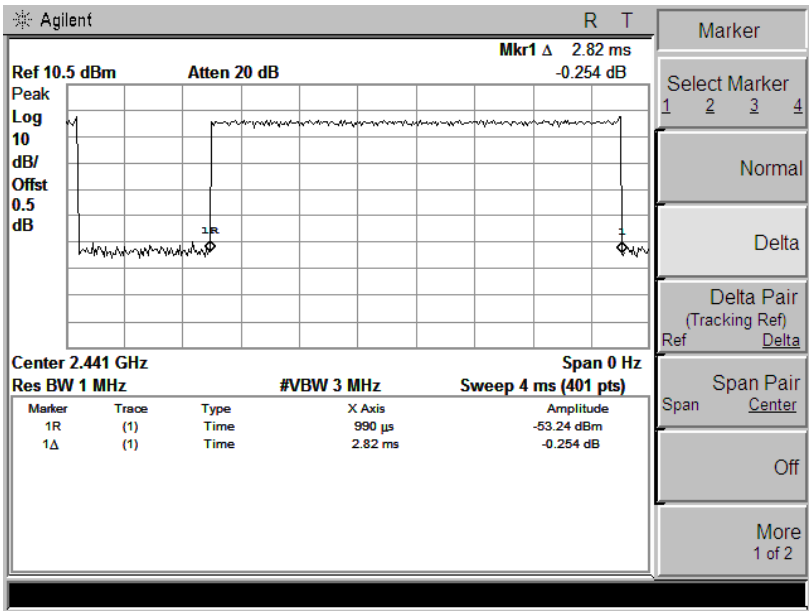
8DPSK Mode



DH1



DH3



DH5

5.9 Band Edge and Conducted Spurious Emissions

5.9.1 Test Requirement

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

5.9.2 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

5.9.3 Test Result

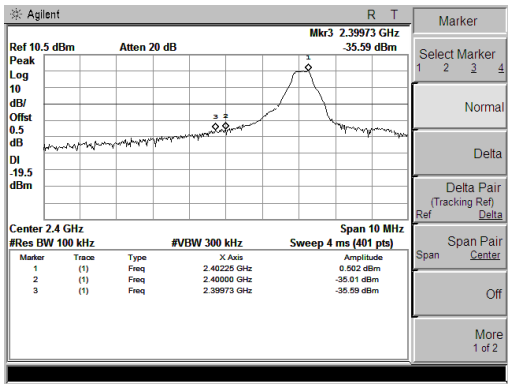
Pass

Remark:

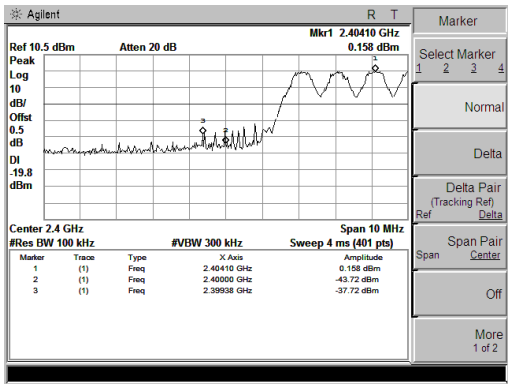
During the Conducted Spurious Emissions test, pre-scan the GFSK, π/4-QPSK, 8DPSK modulation, and found the GFSK modulation which it is worse case.

Test Item:	Band Edge	**Temperature :**	23°C
Test Engineer:	Kang	**Relative Humidity :**	65%

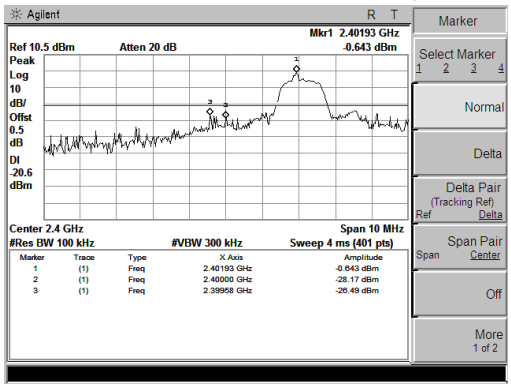
Band Edge, Left Side



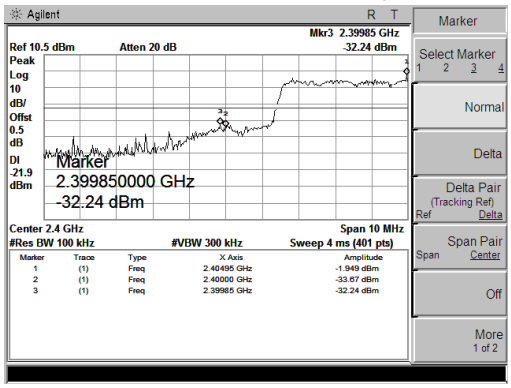
GFSK Mode, Non-Hopping



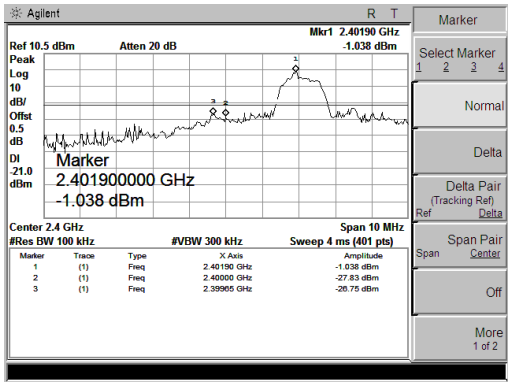
GFSK Mode, Hopping



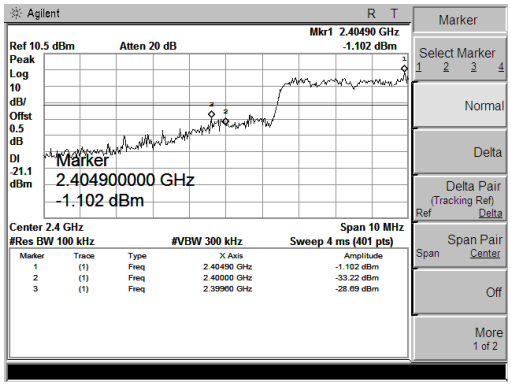
π/4-DQPSK Mode, Non-Hopping



π/4-DQPSK Mode, Hopping

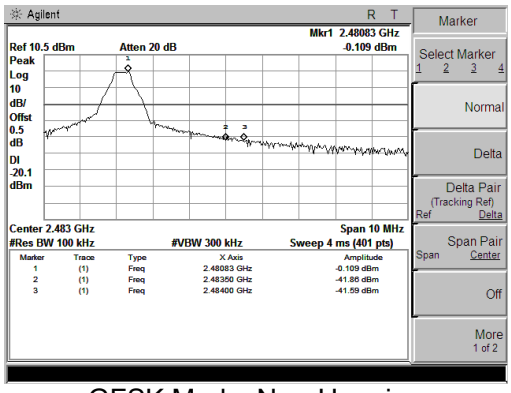


8DPSK Mode, Non-Hopping

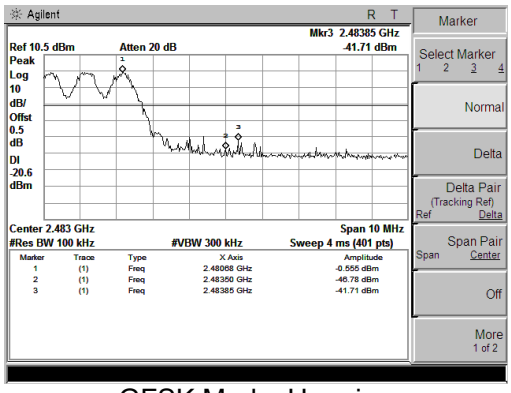


8DPSK Mode, Hopping

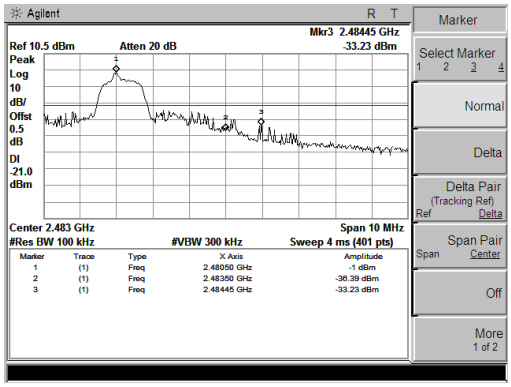
Band Edge, Right Side



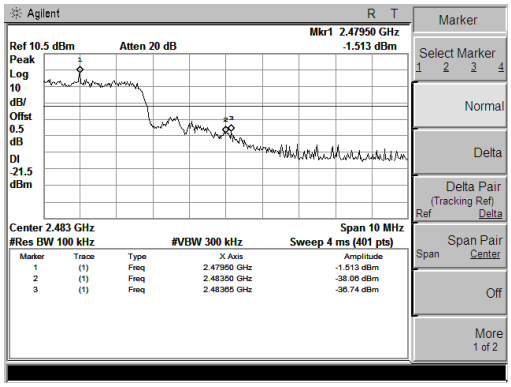
GFSK Mode, Non-Hopping



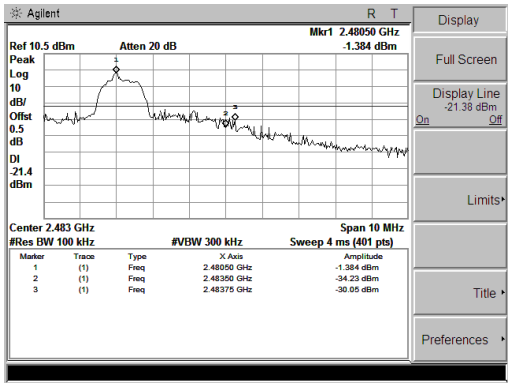
GFSK Mode, Hopping



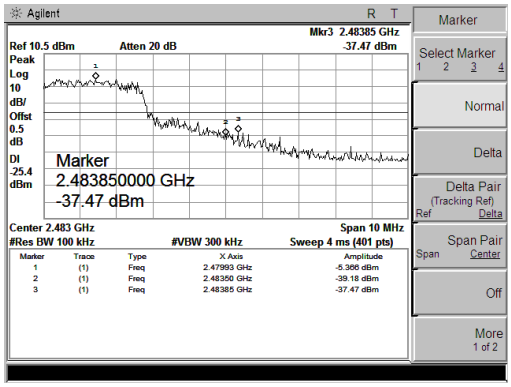
π/4-DQPSK Mode, Non-Hopping



π/4-DQPSK Mode, Hopping

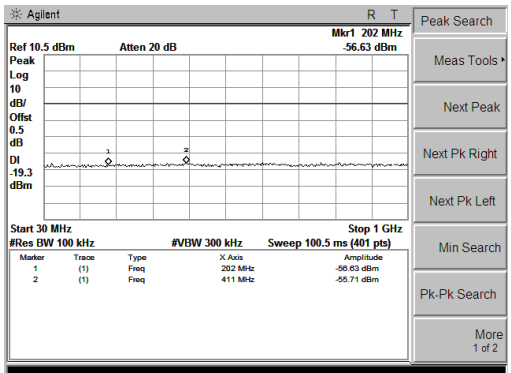


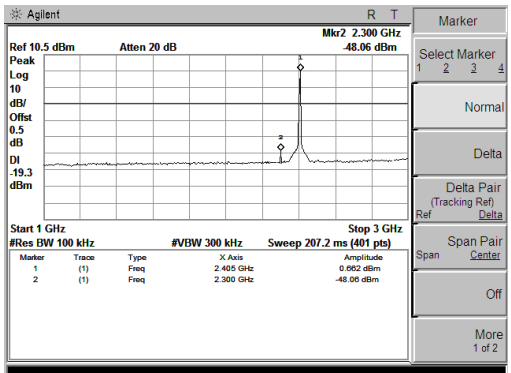
8DPSK Mode, Non-Hopping

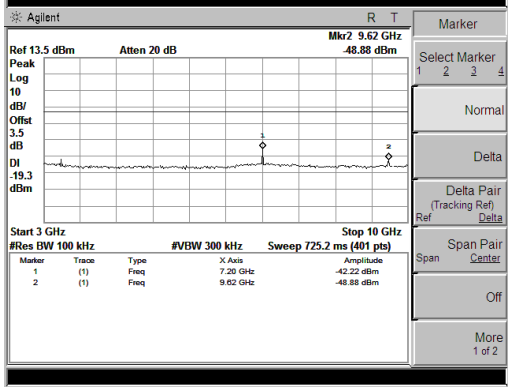


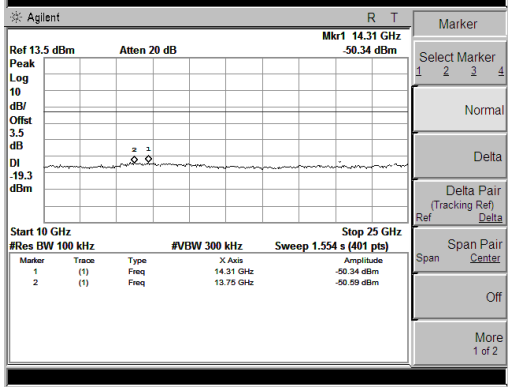
8DPSK Mode, Hopping

Conducted Spurious Emissions

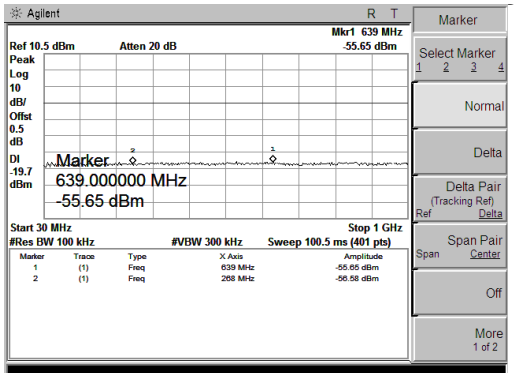


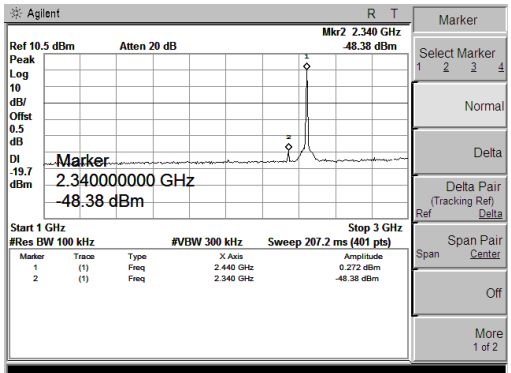


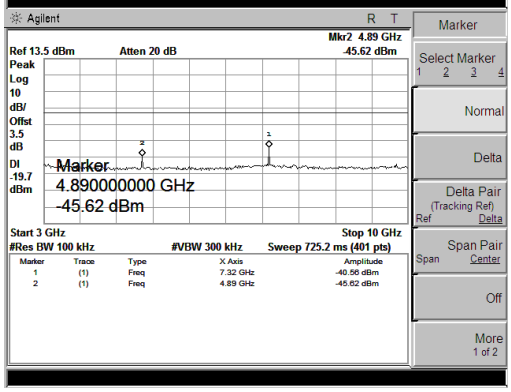


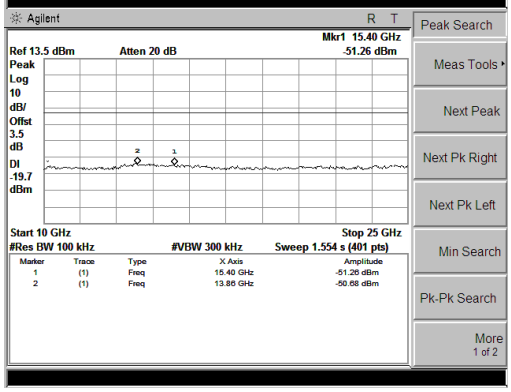


GFSK Mode, Ch0









GFSK Mode, Ch39

Conducted Spurious Emissions

GFSK Mode, Ch78

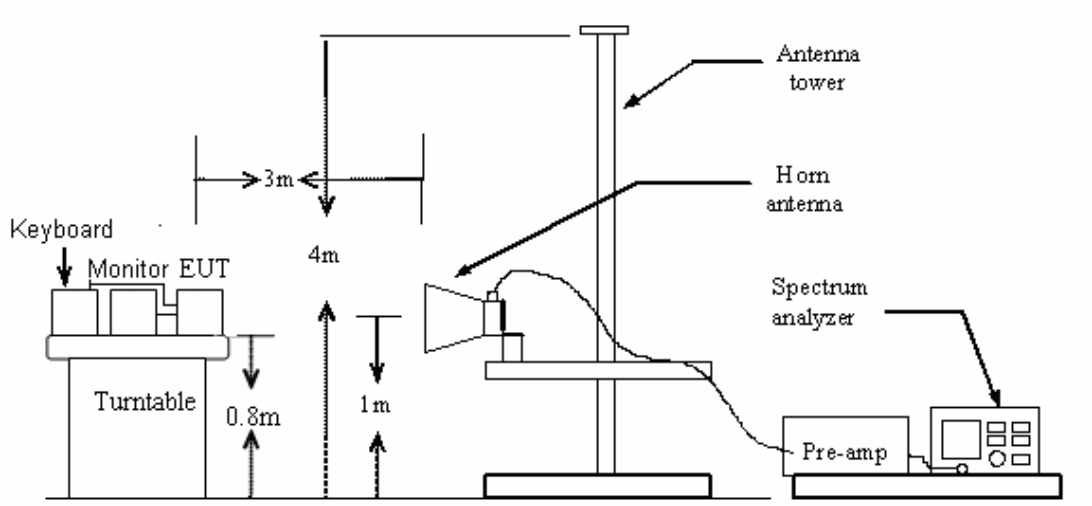
5.10 Restricted Frequency Bands

5.10.1 Test Requirement

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

5.10.2 Test Configuration

Test Setup:



5.10.3 Test Procedure:

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.

5.10.4 Test Result

Pass

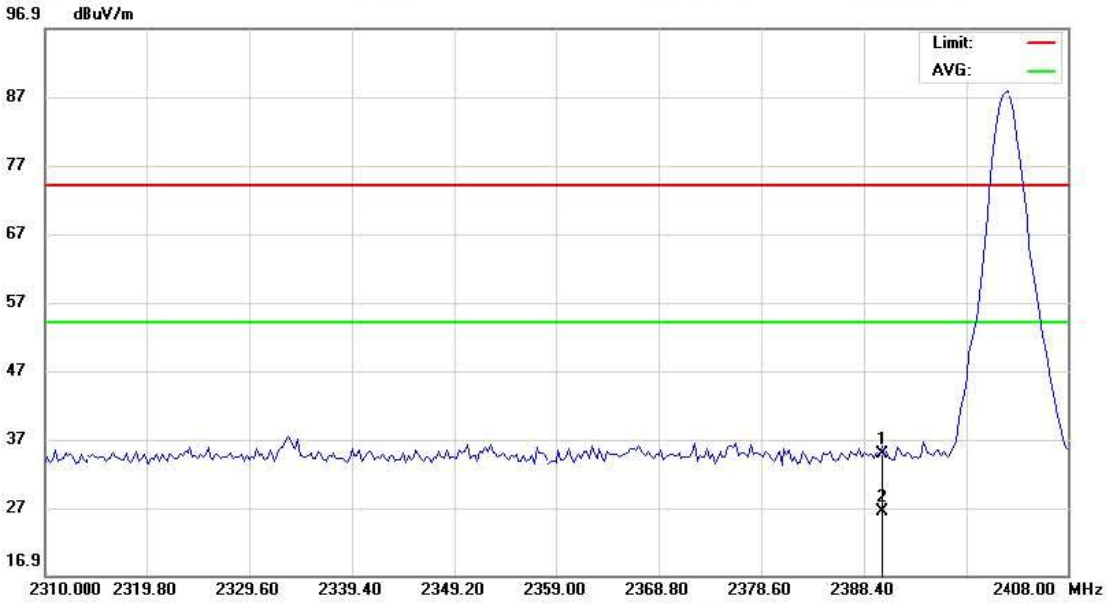
Note: All test modes are performed, only the worst case is recorded in this report.

Please refer the following plots.

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Nanshan, Shenzhen
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :HX-P170 Data :#7 Date: 2015-7-18 Time: 10:10:22



Site site #1 Polarization: *Vertical* Temperature: 24.5

Limit: FCC RF LIMIT PEAK Power: DC 7.3V by Battery Humidity: 51.7 %

EUT: Trance Max Wireless Speaker Distance: 3m

M/N: HX-P170

Mode: GFSK-CH0

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2390.000	43.25	-8.43	34.82	74.00	-39.18	peak			
2	*	2390.000	34.74	-8.43	26.31	54.00	-27.69	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: Jonh

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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P.R.China
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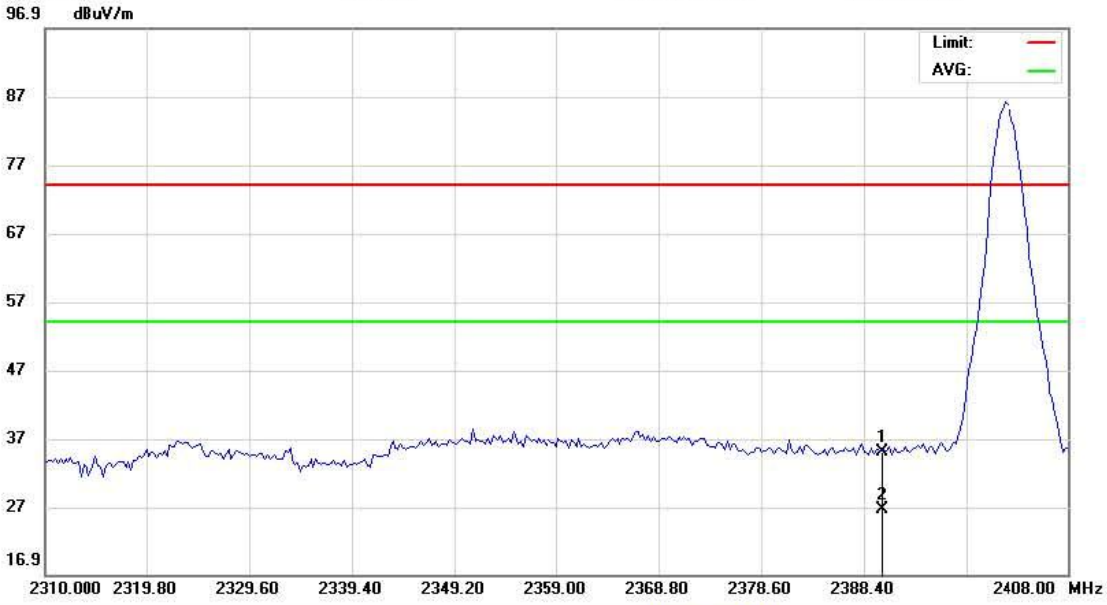
Radiated Emission Measurement

File :HX-P170 Data :#8 Date: 2015-7-18 Time: 10:29:30



Site site #1 Polarization: *Horizontal* Temperature: 24.5
Limit: FCC RF LIMIT PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH0
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2390.000	43.39	-8.43	34.96	74.00	-39.04	peak			
2	*	2390.000	34.99	-8.43	26.56	54.00	-27.44	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: Jonh

Compliance Laboratory
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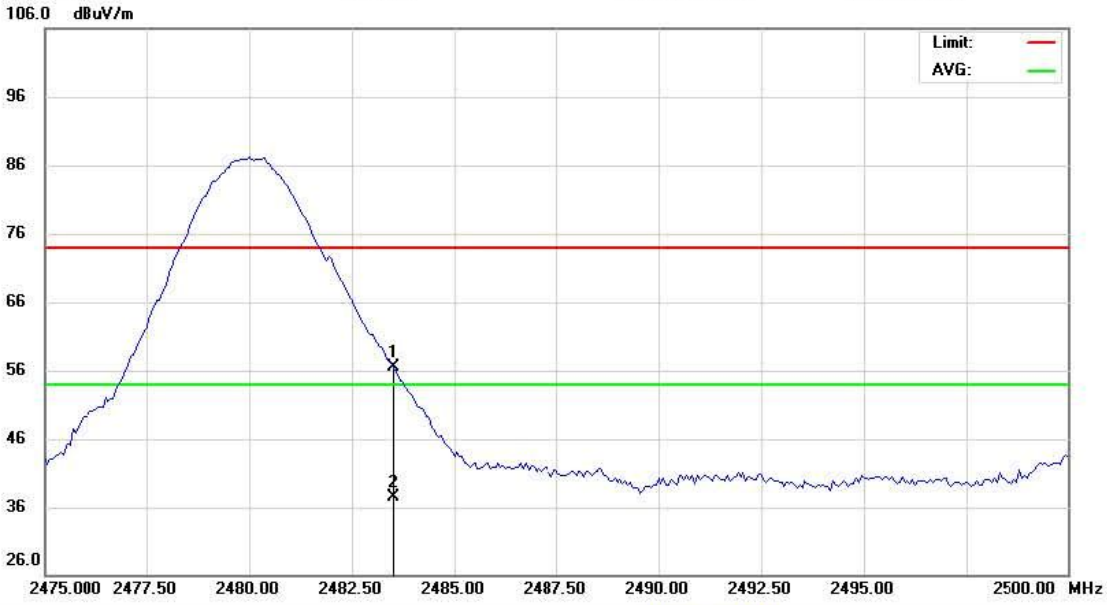
Radiated Emission Measurement

File :HX-P170 Data :#9 Date: 2015-7-18 Time: 10:37:44



Site site #1 Polarization: *Horizontal* Temperature: 24.5
Limit: FCC RF LIMIT PEAK Power: DC 7.3V by Battery Humidity: 51.7 %
EUT: Trance Max Wireless Speaker Distance: 3m
M/N: HX-P170
Mode: GFSK-CH78
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	64.72	-8.29	56.43	74.00	-17.57	peak			
2	*	2483.500	45.87	-8.29	37.58	54.00	-16.42	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: Jonh

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Nanshan Shenzhen
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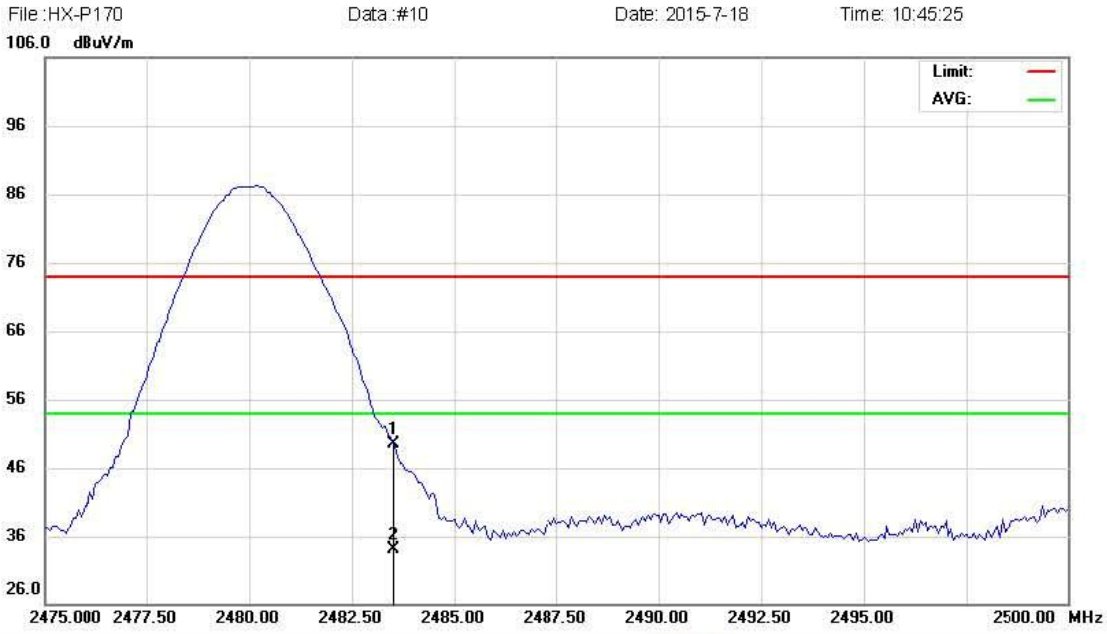
Radiated Emission Measurement



Site site #1
Limit: FCC RF LIMIT PEAK
EUT: Trance Max Wireless Speaker
M/N: HX-P170
Mode: GFSK-CH78
Note:

Polarization: *Vertical*
Power: DC 7.3V by Battery
Distance: 3m

Temperature: 24.5
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	57.79	-8.29	49.50	74.00	-24.50	peak			
2	*	2483.500	42.38	-8.29	34.09	54.00	-19.91	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: Jonh

End of Report