FCC Radio Test Report

FCC ID: 2ABCA-BT700

This report concerns (check one): ■ **Original Grant** □ **Class II Change**

Issued Date	: Nov. 15, 2013
Project No.	: 1311C048
Equipment	: Bluetooth Headset
Model Name	: BT700; BT705; BTK-X7; BL-X7; BL-X3; BL-X3S; BTK-X6; BL-25; BL-26; BL-X2; BL-32; BTK-X2; BTK-X3; BL-33; BTK-V1; BTK-V2
Applicant	: DOV enterprises inc
Address	: 2001Rt 46East Suite 310 Parsippany NJ 07054 USA

Tested by: Neutron Engineering Inc. EMC Laboratory
Date of Receipt: Nov. 07, 2013
Date of Test: Nov. 07, 2013 ~ Nov. 14, 2013

Testing Engineer : David Mao
(David Mao)

Technical Manager : Leo Hung
(Leo Hung)

Authorized Signatory : Steven Lu
(Steven Lu)

Neutron Engineering Inc.
No.3,Jinshagang 1st Road, ShiXia,
Dalang Town, Dong Guan, China.
TEL: 0769-8318-3000
FAX: 0769-8319-6000

Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Table of Contents Page

Table of Contents Page

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
NEI-FCCP-1-1311C048	Original Issue.	Nov. 15, 2013

1. CERTIFICATION

Equipment	:	Bluetooth Headset
Brand Name	:	BTK; KISS; Lindero; SHARKK
Model Name	:	BT700; BT705; BTK-X7; BL-X7; BL-X3; BL-X3S; BTK-X6; BL-25; BL-26; BL-X2; BL-32; BTK-X2; BTK-X3; BL-33; BTK-V1; BTK-V2
Applicant	:	DOV enterprises inc
Manufacturer	:	SHENZHEN SHI KISB ELECTRONIC CO.,LTD
Address	:	3-5/F, A Building, Shanghe Industrial Park, Nanchang Road, Xixiang Town, Bao'an District, Shenzhen, Guangdong, 518103 P.R.China
Factory	:	SHENZHEN SHI KISB ELECTRONIC CO.,LTD
Address	:	3-5/F, A Building, Shanghe Industrial Park, Nanchang Road, Xixiang Town, Bao'an District, Shenzhen, Guangdong, 518103 P.R.China
Date of Test	:	Nov. 07, 2013 ~ Nov. 14, 2013
Test Item	:	ENGINEERING SAMPLE
Standard(s)	:	FCC Part15, Subpart C(15.247) / ANSI C63.4-2009

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-1311C048) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15 (15.247) , Subpart C			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.209/15.205	Radiated Spurious Emission	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this test report.

(2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r01 (Measurement Guidelines of DTS)

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3,Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792
Neutron's test firm number is 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The reported uncertainty of measurement y ± U，where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2，providing a level of confidence of approximately 95 %。

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U，(dB)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)	NOTE
DG-CB03	CISPR	9KHz~30MHz	V	3.79	
		9KHz~30MHz	H	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	H	3.60	
		200MHz ~ 1,000MHz	V	3.86	
		200MHz ~ 1,000MHz	H	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	H	3.68	
		18GHz~40GHz	V	4.15	
		18GHz~40GHz	H	4.14	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>Bluetooth Headset</td></tr>
<tr><td>Brand Name</td><td>BTK; KISS; Lindero; SHARKK</td></tr>
<tr><td>Model Name</td><td>BT700; BT705; BTK-X7; BL-X7; BL-X3; BL-X3S; BTK-X6; BL-25; BL-26; BL-X2; BL-32; BTK-X2; BTK-X3; BL-33; BTK-V1; BTK-V2</td></tr>
<tr><td>Model Difference</td><td>Only differ in color for different client.</td></tr>
<tr><td>Product Description</td><td>
<table>
<tr><td>Operation Frequency</td><td>2402~2480 MHz</td></tr>
<tr><td>Modulation Technology</td><td rowspan="2">GFSK(1Mbps)</td></tr>
<tr><td>Bit Rate of Transmitter</td></tr>
<tr><td>Number of Channel</td><td>40CH Please see note 2.(Page 10)</td></tr>
<tr><td>Antenna Designation</td><td rowspan="2">Please see note 3.(Page 10)</td></tr>
<tr><td>Antenna Gain(Peak)</td></tr>
<tr><td>Peak Output Power</td><td>0.23 dBm (1Mbps)</td></tr>
</table>
More details of EUT technical specification, please refer to the User's Manual.
</td></tr>
<tr><td>Power Source</td><td>#1 Supplied from lithium battery.
#2 Supplied from host system. (For charge).</td></tr>
<tr><td>Power Rating</td><td>#1 DC 3.7V
#2 I/P: AC 120V/60Hz O/P: DC 5V</td></tr>
<tr><td>Connecting I/O Port(s)</td><td>Please refer to the User's Manual</td></tr>
</table>

Note:

1. For a more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.

2.

Channel List			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

3. Table for Filed Antenna

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	PSA	RFANT32161 20A5T	Chip Antenna	N/A	0.5

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX Mode **NOTE (1)**
Mode 2	Bluetooth

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 2	Bluetooth

For Radiated Test	
Final Test Mode	Description
Mode 1	TX Mode **NOTE (1)**

Note:
(1) The measurements are performed at the high, middle, low available channels.

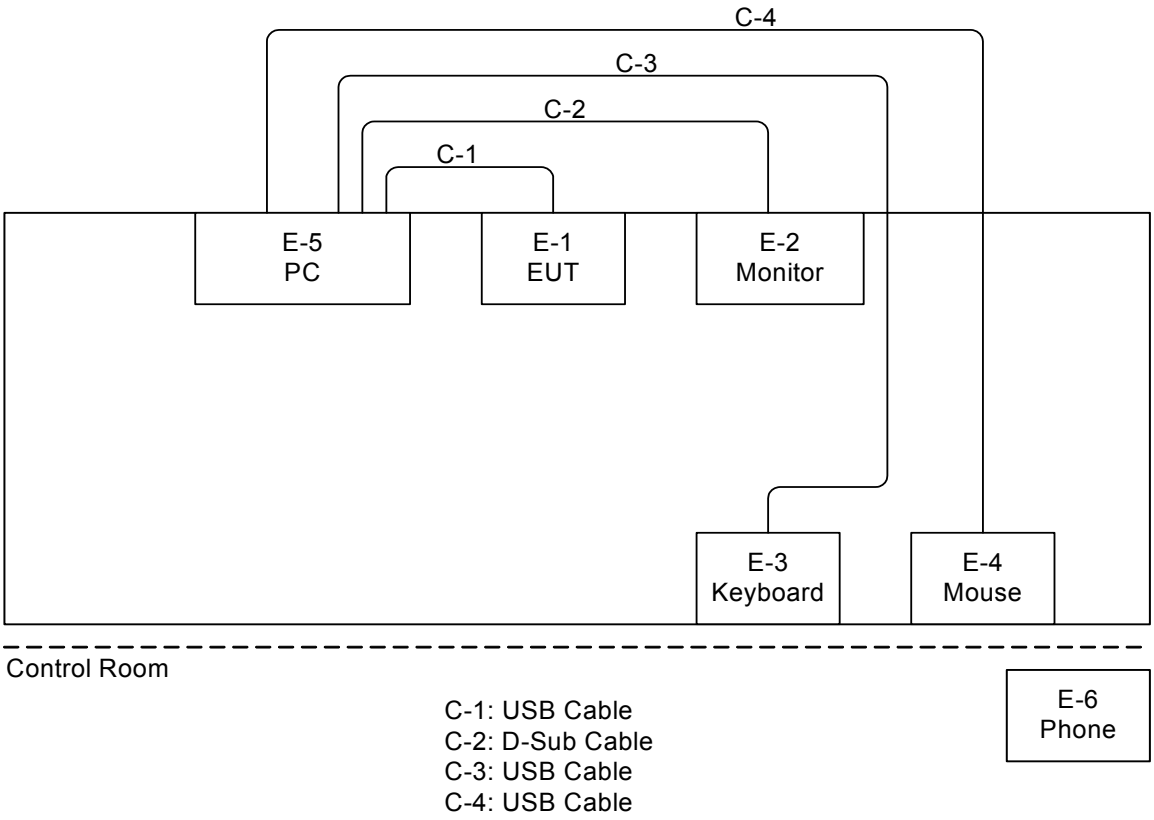
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN

Test software version	DOS		
Frequency	**2402MHz**	**2440 MHz**	**2480MHz**
GFSK-1Mbps	N/A	N/A	N/A

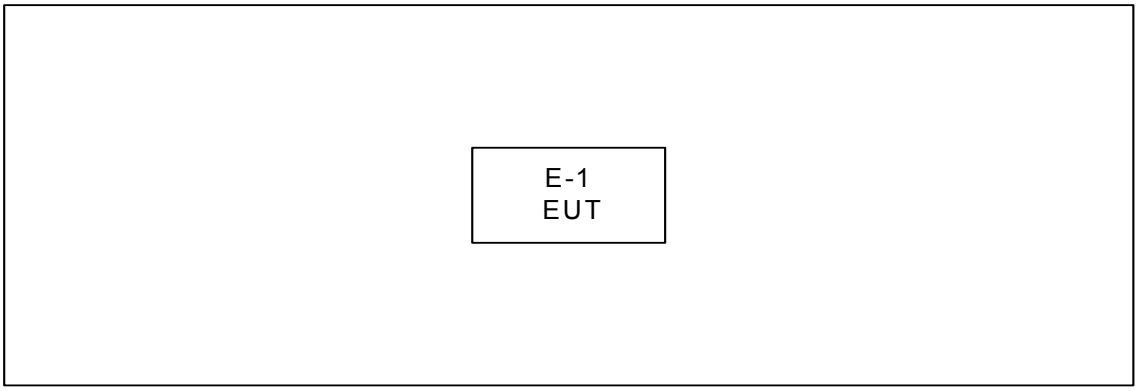
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted



C-1: USB Cable
C-2: D-Sub Cable
C-3: USB Cable
C-4: USB Cable

Radiated:



3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Bluetooth Headset	BTK	BT700	VER	N/A	EUT
E-2	LCD monitor	Dell	E177FPc	DOC	CNOFJ179-64180-6AG-1WNS	
E-3	USB Keyboard	Dell	L100	DOC	CNORH6596589085C00U7	
E-4	USB Mouse	Dell	MO56UOA	DOC	G01003HO	
E-5	PC	Dell	745	DOC	G7K832X	
E-6	IPHONE	APPLE	A1241	DOC	BCGA1241	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	0.4m	
C-2	YES	YES	1.5m	
C-3	YES	NO	1.5m	
C-4	YES	NO	1.5m	

Note:

(1) For detachable type I/O cable should be specified the length in m in『Length』column.

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Until
1	LISN	EMCO	3816/2	00052765	Apr. 25, 2014
2	LISN	R&S	ENV216	100087	Nov. 16, 2013
3	Test Cable	N/A	C_17	N/A	Mar. 15, 2014
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Nov. 16, 2013
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Apr. 25, 2014

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

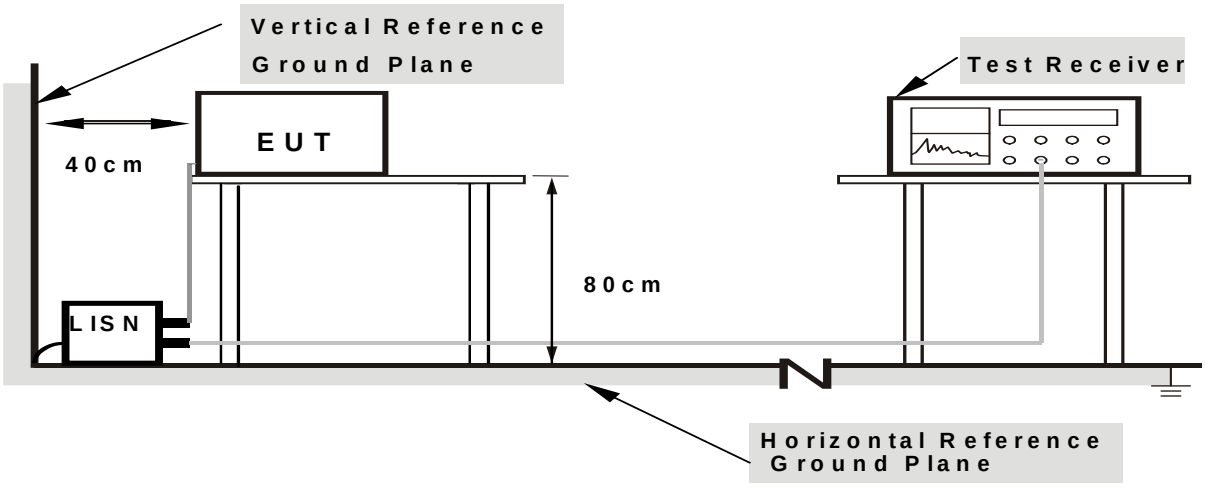
4.1.3 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.6 EUT OPERATING CONDITIONS

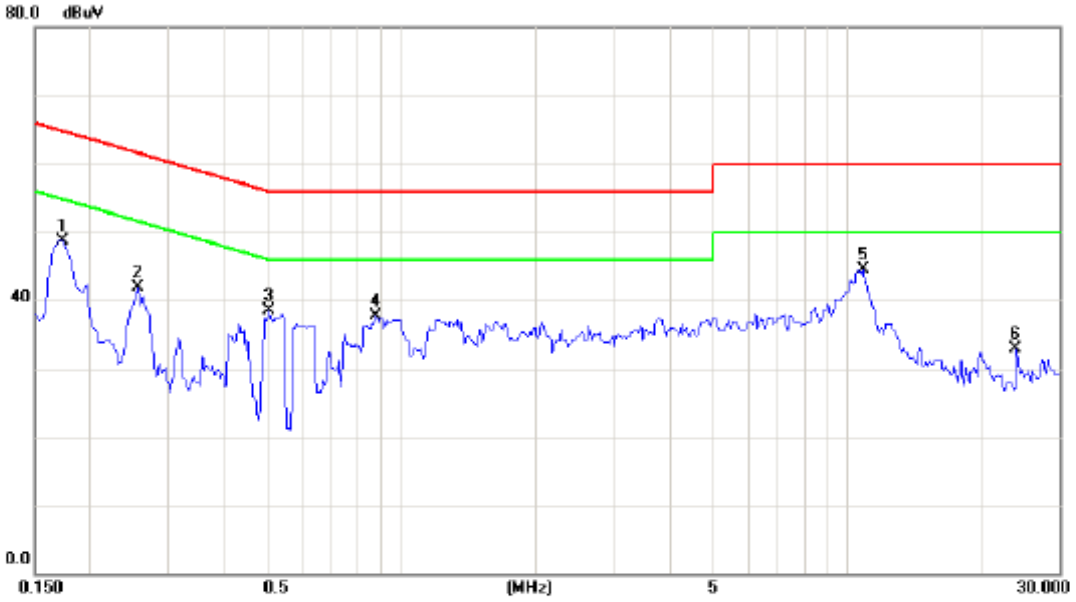
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.
The EUT was programmed to be in continuously transmitting mode.

4.1.7 TEST RESULTS

Remark

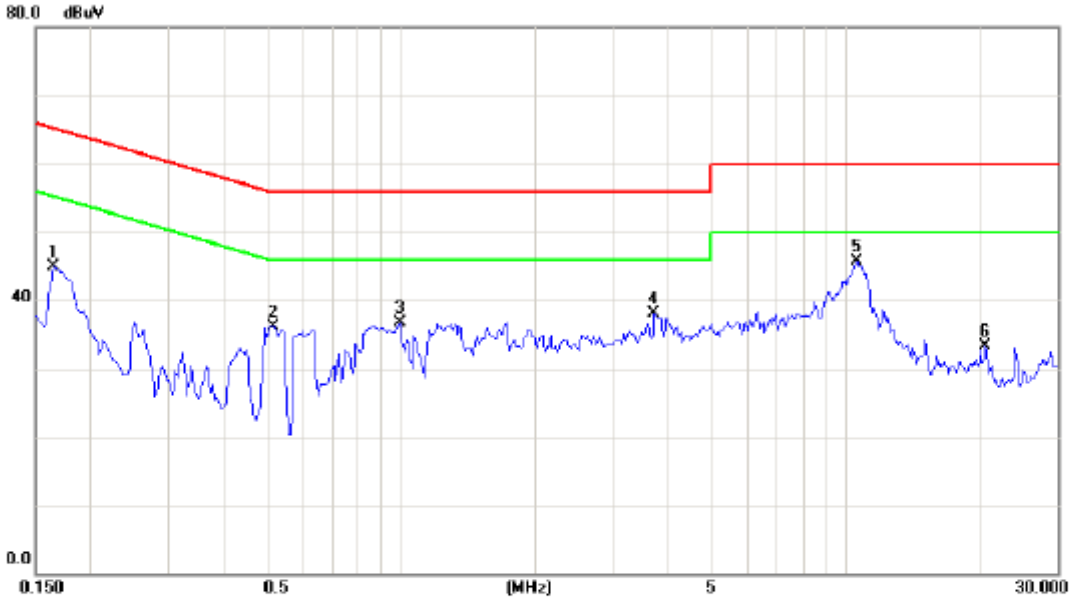
(1) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform.In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
(2) Measuring frequency range from 150KHz to 30MHz.
(3) " N/A" denotes test is not applicable in this test report.

EUT:	Bluetooth Headset	Model Name :	BT700
Temperature:	25 ℃	Relative Humidity:	50 %
Test Power:	AC 120V/60Hz	Phase:	Line
Test Mode:	Bluetooth		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1734	39.09	9.63	48.72	64.80	-16.08	peak	
2		0.2555	32.20	9.66	41.86	61.58	-19.72	peak	
3		0.5055	28.71	9.70	38.41	56.00	-17.59	peak	
4		0.8727	27.95	9.73	37.68	56.00	-18.32	peak	
5	*	10.8790	34.33	10.12	44.45	60.00	-15.55	peak	
6		23.9922	22.62	10.31	32.93	60.00	-27.07	peak	

EUT:	Bluetooth Headset	Model Name :	BT700
Temperature:	25 ℃	Relative Humidity:	50 %
Test Power:	AC 120V/60Hz	Phase:	Neutral
Test Mode:	Bluetooth		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1655	35.22	9.70	44.92	65.18	-20.26	peak	
2		0.5132	26.42	9.74	36.16	56.00	-19.84	peak	
3		0.9938	26.99	9.77	36.76	56.00	-19.24	peak	
4		3.7070	28.28	9.91	38.19	56.00	-17.81	peak	
5	*	10.6094	35.56	10.22	45.78	60.00	-14.22	peak	
6		20.6523	22.88	10.42	33.30	60.00	-26.70	peak	

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9KHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Section 15.33 Frequency range of radiated measurements.

Unless otherwise noted in the specific rule section under which the equipment operates for an intentional radiator the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shown in this paragraph:

(1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

(2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.

(3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules

(4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

4.2.2 MEASUREMENT INSTRUMENTS LIST ANS SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Apr. 25, 2014
2	Amplifier	HP	8447D	2944A09673	Apr. 25, 2014
3	Test Receiver	R&S	ESCI	100382	Apr. 25, 2014
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 02, 2014
5	Antenna	ETS	3115	00075789	Apr. 25, 2014
6	Amplifier	Agilent	8449B	3008A02274	Apr. 25, 2014
7	Spectrum	Agilent	E4408B	US39240143	Nov. 16, 2013
8	Test Cable	HUBER+SUHNER	C-45	N/A	Apr. 30, 2014
9	Controller	CT	SC100	N/A	N/A
10	Horn Antenna	EMCO	3115	9605-4803	Apr. 25, 2014
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Apr. 25, 2014
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Oct.22, 2014

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz for PK/AVG detector
Start ~ Stop Frequency	90kHz~110kHz for QP detector
Start ~ Stop Frequency	110kHz~490kHz for PK/AVG detector
Start ~ Stop Frequency	490kHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2.3 TEST PROCEDURE

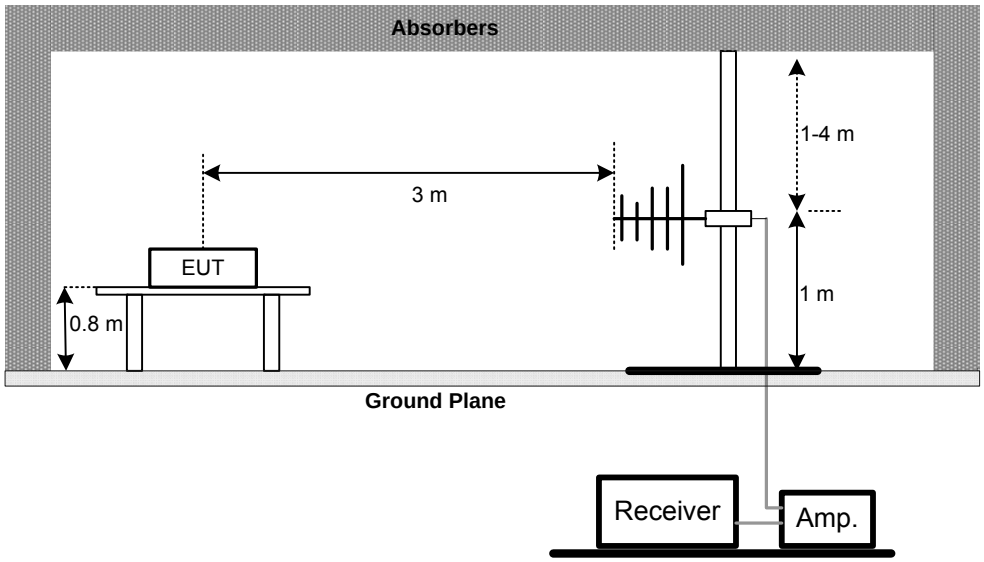
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD

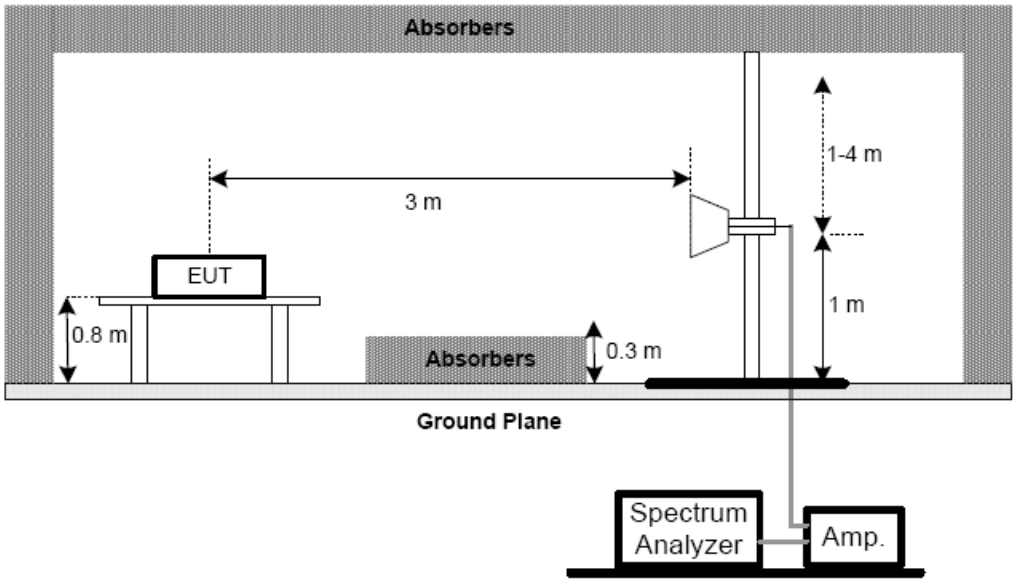
No deviation

4.2.5 TEST SETUP

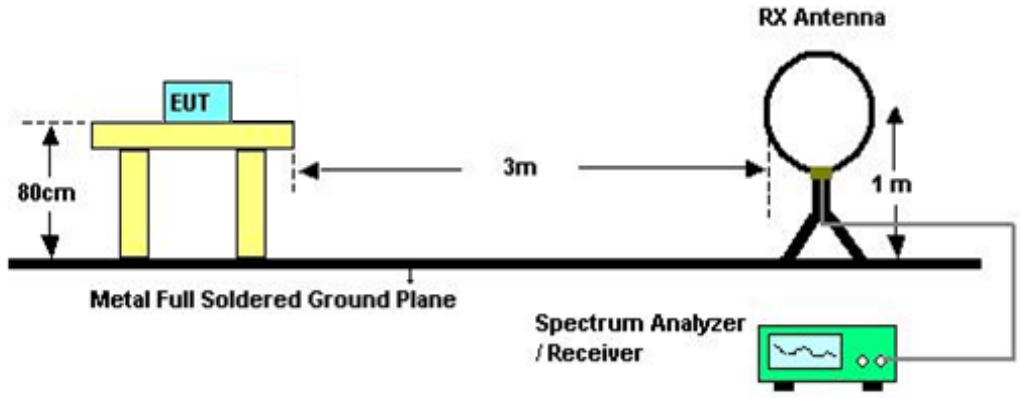
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



(C) For radiated emissions below 30MHz



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.7 TEST RESULTS (BELOW 30MHZ)

EUT：	Bluetooth Headset	Model Name :	BT700
Temperature：	26° C	Relative Humidity :	53 %
Test Voltage :	DC 3.7V		
Test Mode ：	TX 2402MHz –CH00-1Mbps		

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0095	0°	25.32	24.30	49.62	128.05	-78.43	AVG
0.0095	0°	29.78	24.30	54.08	148.05	-93.97	PK
0.0254	0°	21.36	23.96	45.32	119.50	-74.18	AVG
0.0254	0°	24.31	23.96	48.27	139.50	-91.23	PK
0.0385	0°	21.37	23.13	44.50	115.89	-71.39	AVG
0.0385	0°	24.05	23.13	47.18	135.89	-88.71	PK
0.0665	0°	18.89	22.07	40.96	111.15	-70.19	AVG
0.0665	0°	23.47	22.07	45.54	131.15	-85.61	PK
0.2659	0°	20.66	20.36	41.02	99.11	-58.09	AVG
0.2659	0°	22.86	20.36	43.22	119.11	-75.89	PK
1.4837	0°	27.38	19.55	46.93	64.18	-17.25	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0097	90°	19.02	24.30	43.32	127.91	-84.59	AVG
0.0097	90°	20.91	24.30	45.21	147.91	-102.70	PK
0.0224	90°	15.11	24.15	39.26	120.60	-81.34	AVG
0.0224	90°	17.22	24.15	41.37	140.60	-99.23	PK
0.0466	90°	18.33	22.61	40.94	114.23	-73.29	AVG
0.0466	90°	21.52	22.61	44.13	134.23	-90.10	PK
0.0776	90°	21.24	21.85	43.09	109.81	-66.72	AVG
0.0776	90°	22.99	21.85	44.84	129.81	-84.97	PK
0.3753	90°	21.16	20.10	41.26	96.12	-54.86	AVG
0.3753	90°	24.12	20.10	44.22	116.12	-71.90	PK
1.6963	90°	25.45	19.53	44.98	63.01	-18.03	QP

Remark：

(1) The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported ◦

(2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB); ◦

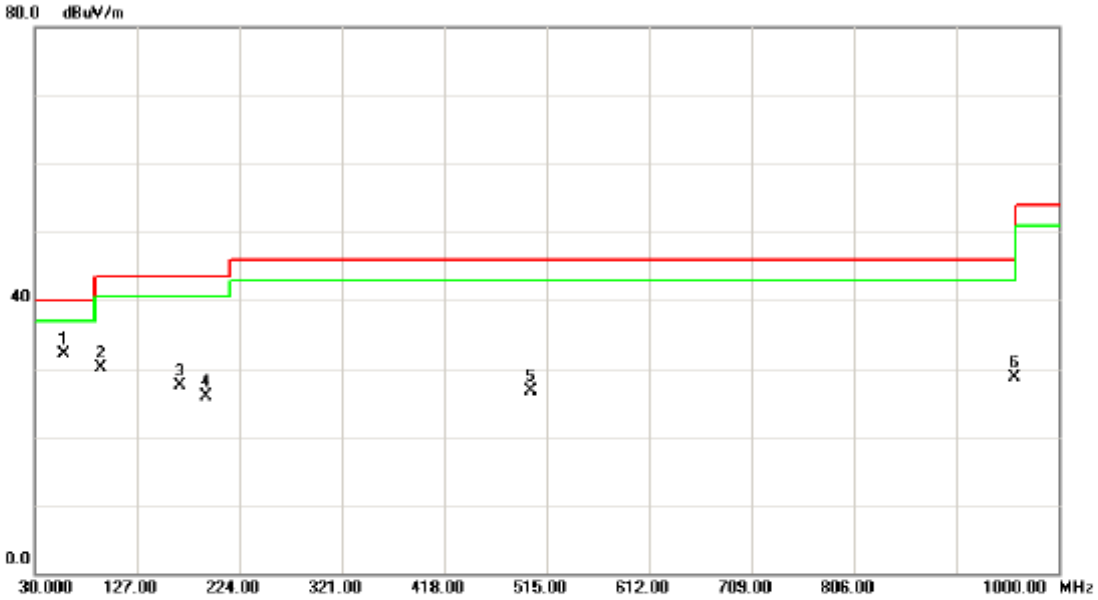
(3) Limit line = specific limits (dBuV) + distance extrapolation factor. ◦

4.2.8 TEST RESULTS-BETWEEN 30MHZ AND 1000MHZ

Remark：

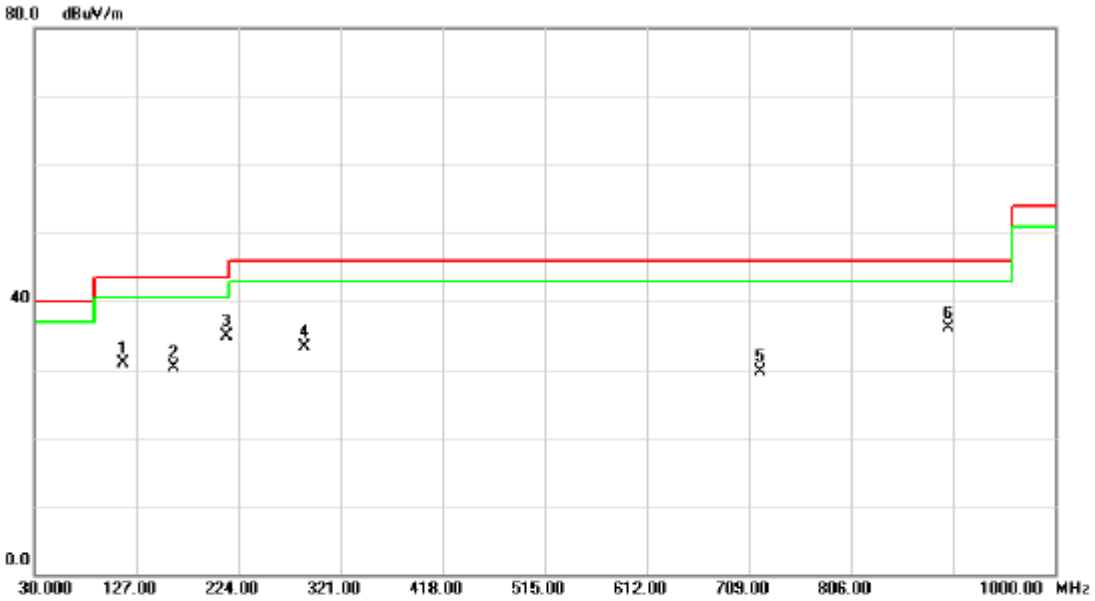
(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz；SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform.
(3) Measuring frequency range from 30MHz to 1000MHz.
(4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

EUT:	Bluetooth Headset	Model Name:	BT700
Temperature:	28 ℃	Relative Humidity:	56 %
Test Power:	DC 3.7V	Phase:	Vertical
Test Mode:	TX 2402MHz –CH00-1Mbps		



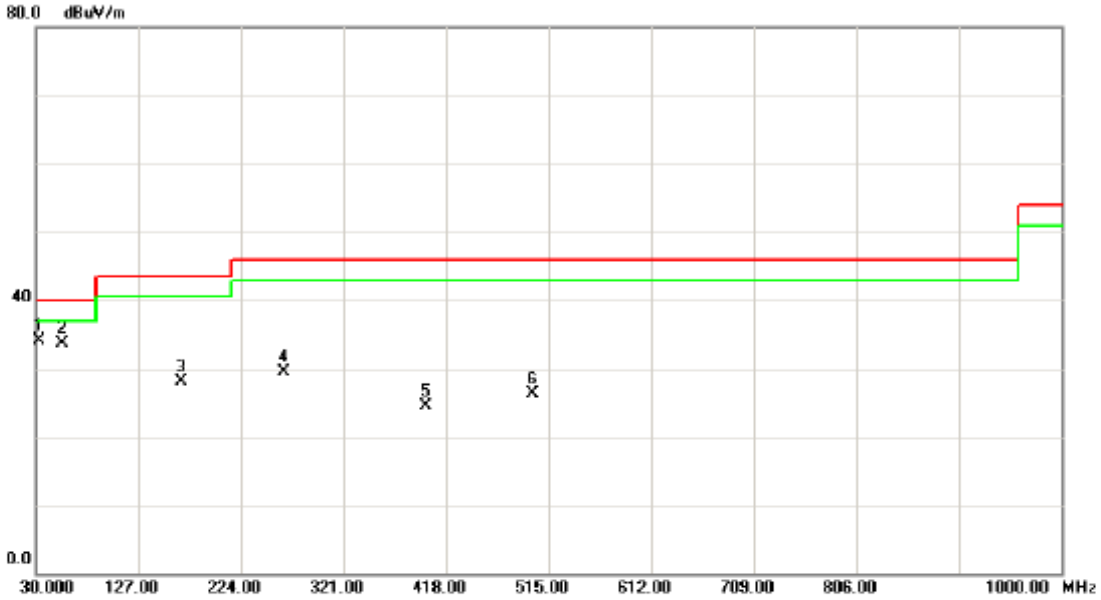
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	57.1600	47.23	-15.03	32.20	40.00	-7.80	peak	
2		93.0500	47.80	-17.60	30.20	43.50	-13.30	peak	
3		167.7400	40.45	-12.93	27.52	43.50	-15.98	peak	
4		191.9900	40.41	-14.49	25.92	43.50	-17.58	peak	
5		500.4500	37.01	-10.31	26.70	46.00	-19.30	peak	
6		958.2900	29.14	-0.40	28.74	46.00	-17.26	peak	

EUT:	Bluetooth Headset	Model Name:	BT700
Temperature:	28 ℃	Relative Humidity:	56 %
Test Power:	DC 3.7V	Phase:	Horizontal
Test Mode:	TX 2402MHz –CH00-1Mbps		



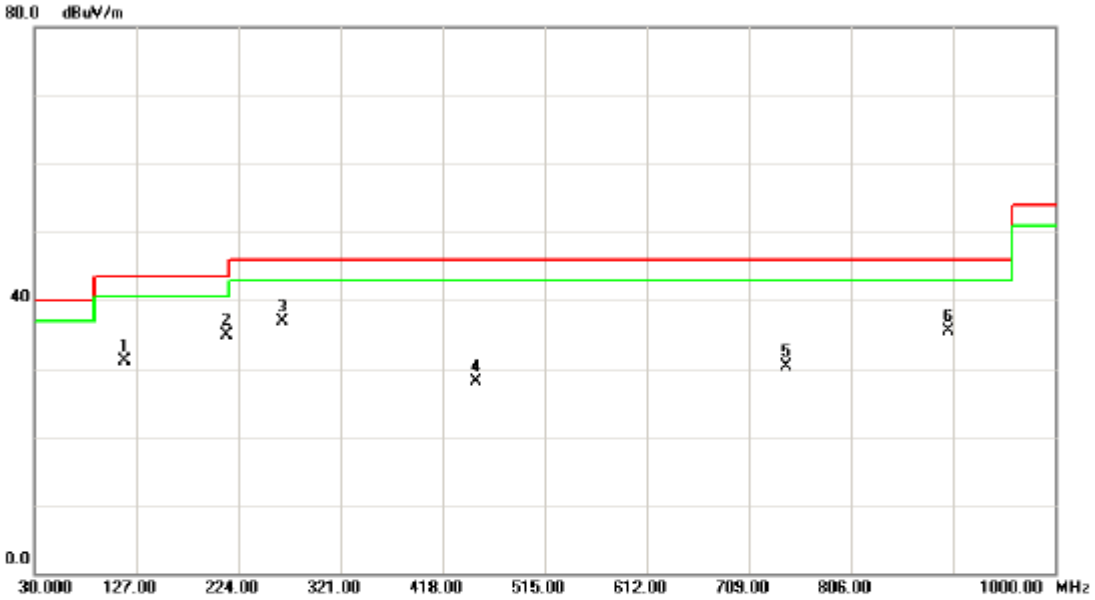
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		114.3900	45.25	-14.37	30.88	43.50	-12.62	peak	
2		161.9200	43.76	-13.48	30.28	43.50	-13.22	peak	
3	*	212.3600	50.08	-15.20	34.88	43.50	-8.62	peak	
4		286.0800	45.31	-12.09	33.22	46.00	-12.78	peak	
5		719.6700	34.60	-4.85	29.75	46.00	-16.25	peak	
6		898.1500	37.44	-1.36	36.08	46.00	-9.92	peak	

EUT:	Bluetooth Headset	Model Name:	BT700
Temperature:	28 ℃	Relative Humidity:	56 %
Test Power:	DC 3.7V	Phase:	Vertical
Test Mode:	TX 2440MHz –CH19-1Mbps		



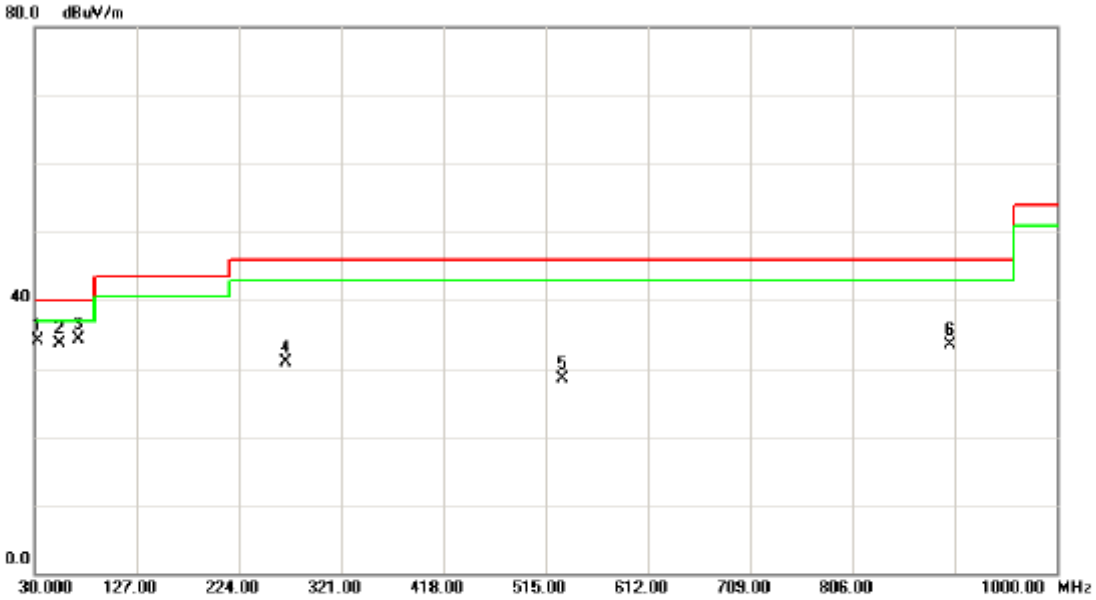
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	32.9100	49.80	-15.75	34.05	40.00	-5.95	peak	
2		55.2200	48.47	-14.85	33.62	40.00	-6.38	peak	
3		167.7400	41.08	-12.93	28.15	43.50	-15.35	peak	
4		264.7400	43.85	-14.34	29.51	46.00	-16.49	peak	
5		399.5700	34.43	-9.89	24.54	46.00	-21.46	peak	
6		500.4500	36.52	-10.31	26.21	46.00	-19.79	peak	

EUT:	Bluetooth Headset	Model Name:	BT700
Temperature:	28 ℃	Relative Humidity:	56 %
Test Power:	DC 3.7V	Phase:	Horizontal
Test Mode:	TX 2440MHz –CH19-1Mbps		



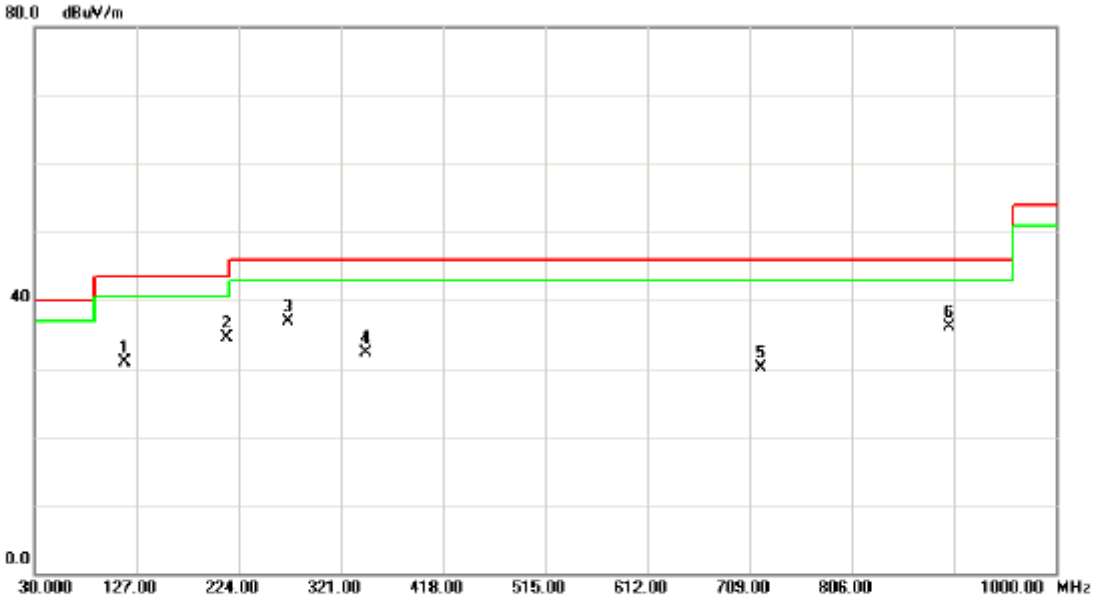
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		116.3300	45.21	-14.20	31.01	43.50	-12.49	peak	
2	*	212.3600	50.10	-15.20	34.90	43.50	-8.60	peak	
3		265.7100	51.06	-14.25	36.81	46.00	-9.19	peak	
4		449.0400	36.97	-8.93	28.04	46.00	-17.96	peak	
5		743.9200	35.22	-4.89	30.33	46.00	-15.67	peak	
6		898.1500	36.87	-1.36	35.51	46.00	-10.49	peak	

EUT:	Bluetooth Headset	Model Name:	BT700
Temperature:	28 ℃	Relative Humidity:	56 %
Test Power:	DC 3.7V	Phase:	Vertical
Test Mode:	TX 2480MHz –CH39-1Mbps		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		32.9100	49.94	-15.75	34.19	40.00	-5.81	peak	
2		54.2500	48.49	-14.76	33.73	40.00	-6.27	peak	
3	*	71.7100	50.72	-16.46	34.26	40.00	-5.74	peak	
4		268.6200	44.86	-14.01	30.85	46.00	-15.15	peak	
5		530.5200	37.10	-8.69	28.41	46.00	-17.59	peak	
6		898.1500	34.84	-1.36	33.48	46.00	-12.52	peak	

EUT:	Bluetooth Headset	Model Name:	BT700
Temperature:	28 ℃	Relative Humidity:	56 %
Test Power:	DC 3.7V	Phase:	Horizontal
Test Mode:	TX 2480MHz –CH39-1Mbps		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		116.3300	45.15	-14.20	30.95	43.50	-12.55	peak	
2	*	212.3600	49.78	-15.20	34.58	43.50	-8.92	peak	
3		271.5300	50.52	-13.68	36.84	46.00	-9.16	peak	
4		344.2800	43.65	-11.44	32.21	46.00	-13.79	peak	
5		719.6700	34.95	-4.85	30.10	46.00	-15.90	peak	
6		898.1500	37.38	-1.36	36.02	46.00	-9.98	peak	

4.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	23 ℃	Relative Humidity：	51 %
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	TX 2402MHz – CH 00-1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	22.85	13.56	34.09	56.94	47.65	74.00	54.00	X/E
2402.20	**V**	**60.00**	**48.85**	**34.12**	**94.12**	**82.97**			**X/F**
4804.02	V	51.57	41.24	6.38	57.95	47.62	74.00	54.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

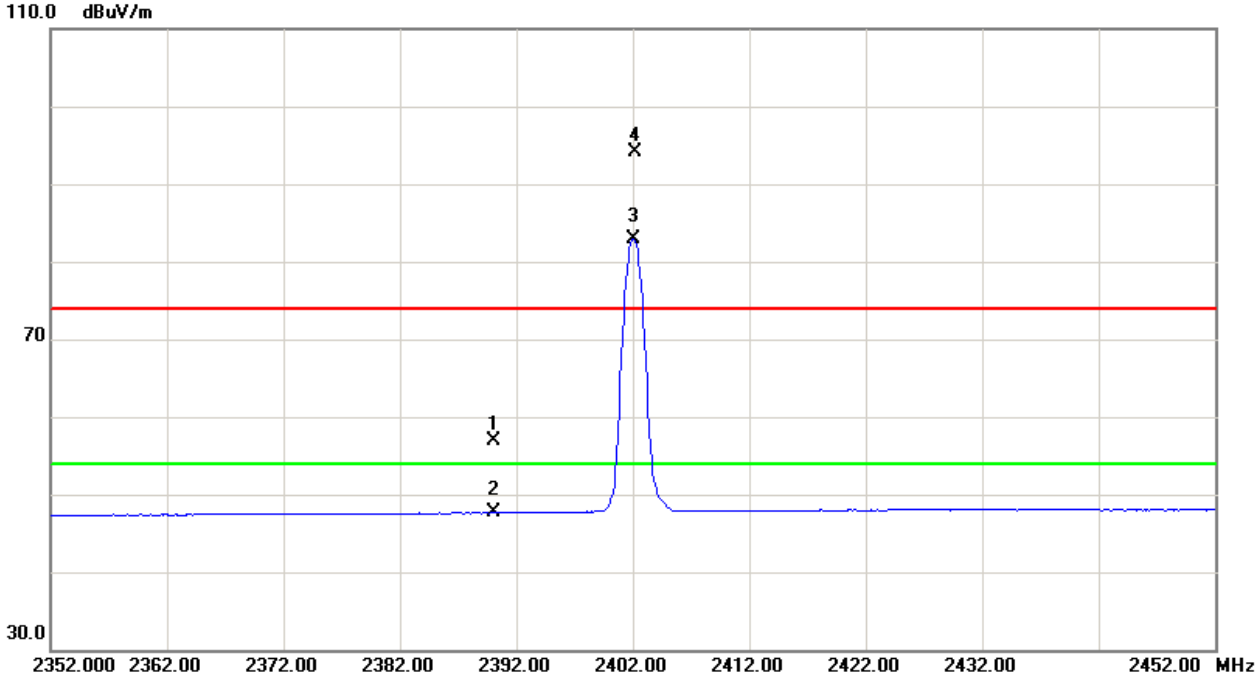
(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

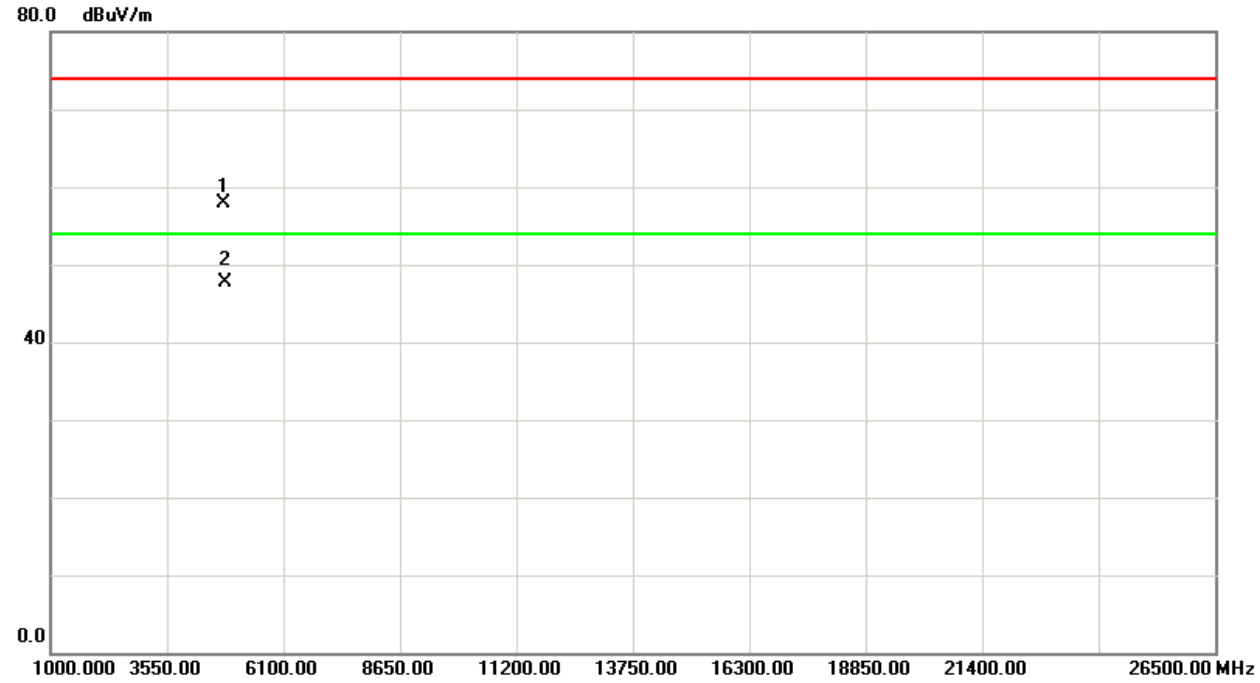
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

TX CH00 (Above 1000 MHz, Vertical)





EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	23 ℃	Relative Humidity：	51 %
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	TX 2402MHz – CH 00-1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	H	23.49	13.55	34.09	57.58	47.64	74.00	54.00	X/E
2402.20	**H**	**64.07**	**52.92**	**34.12**	**98.19**	**87.04**			**X/F**
4804.03	H	47.98	37.26	6.38	54.36	43.64	74.00	54.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

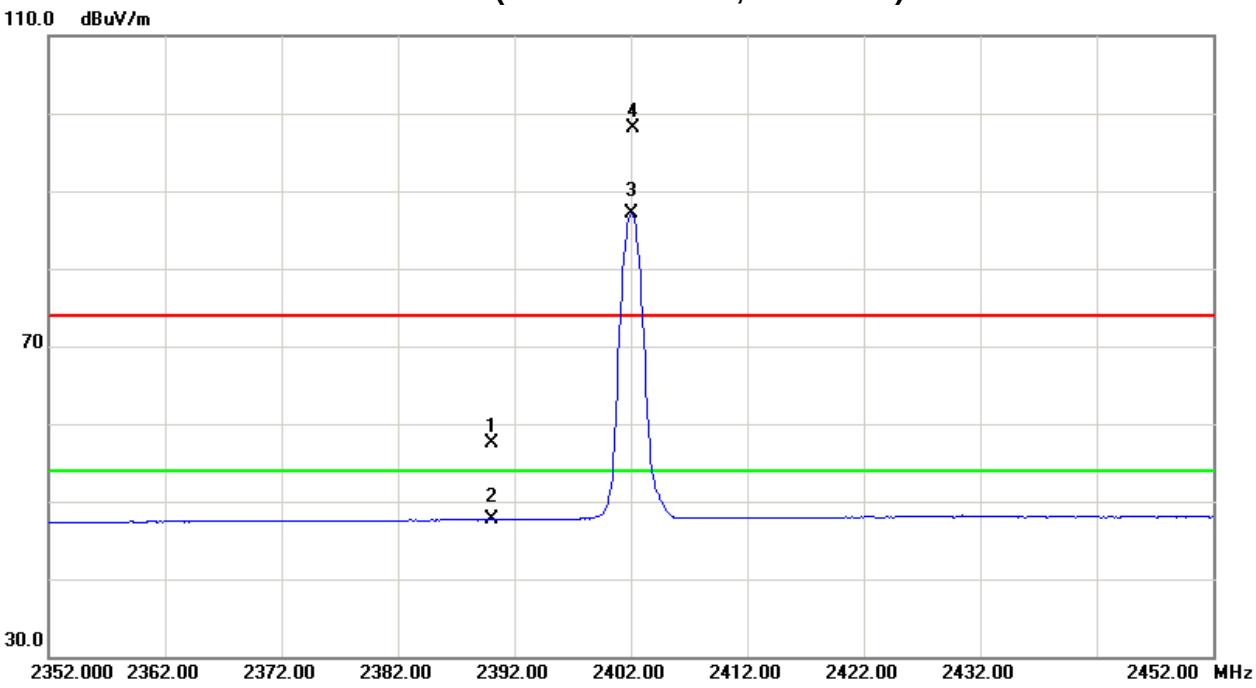
(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

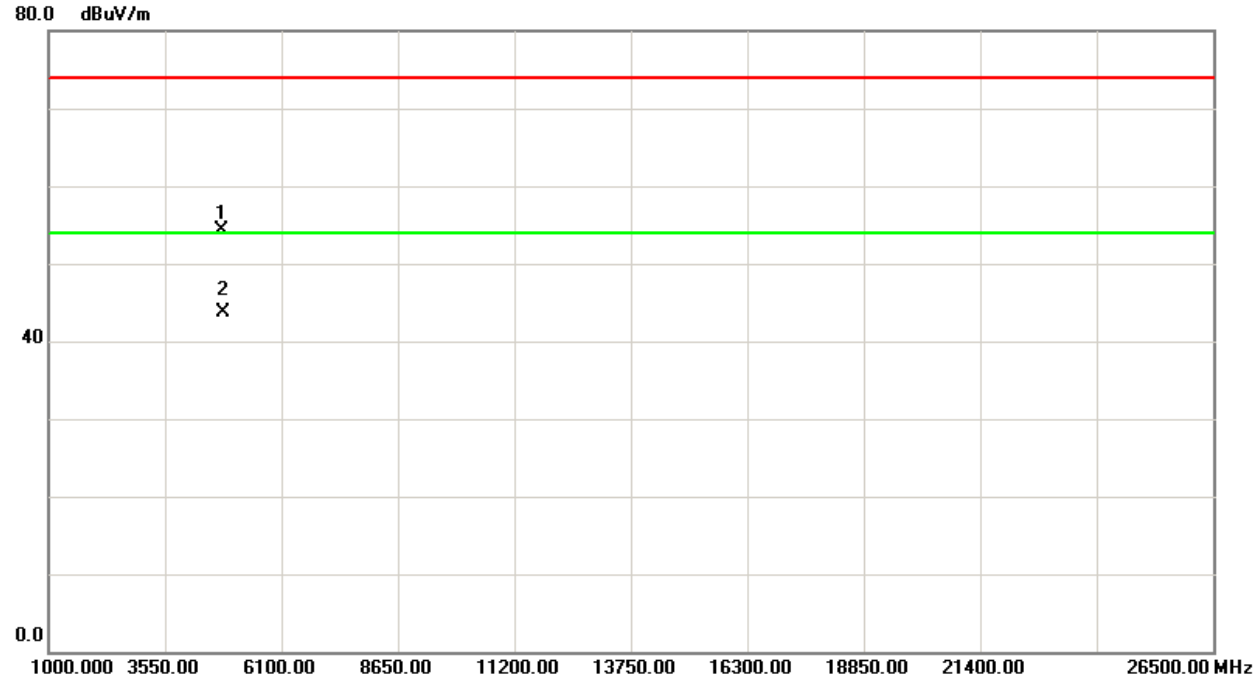
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

TX CH00 (Above 1000 MHz, Horizontal)





EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	23 ℃	Relative Humidity：	51 %
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	TX 2440MHz –CH19-1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2439.99	**V**	**62.20**	**57.48**	**34.24**	**96.44**	**91.72**			**X/F**
4880.02	V	51.12	40.67	6.61	57.73	47.28	74.00	54.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

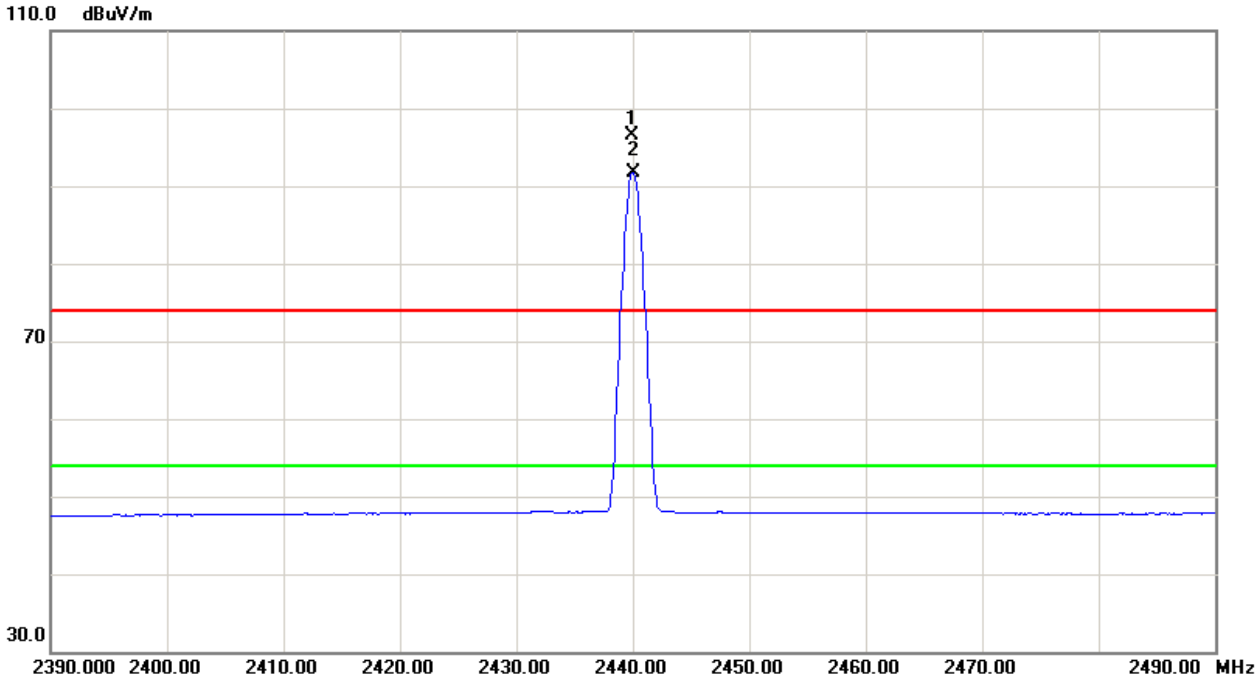
(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

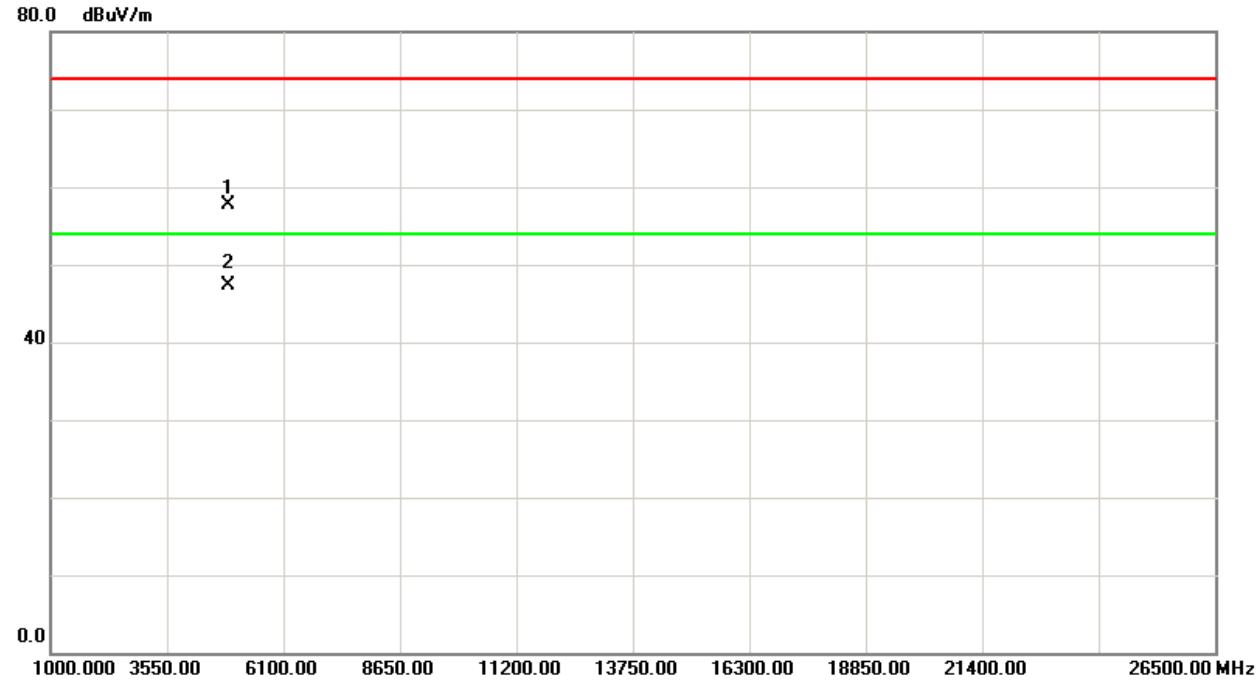
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

TX CH19 (Above 1000 MHz, Vertical)





EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	23 ℃	Relative Humidity：	51 %
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	TX 2440MHz –CH19-1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2439.99	**H**	**57.75**	**53.28**	**34.24**	**91.99**	**87.52**			**X/F**
4880.03	H	45.84	35.40	6.61	52.45	42.01	74.00	54.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

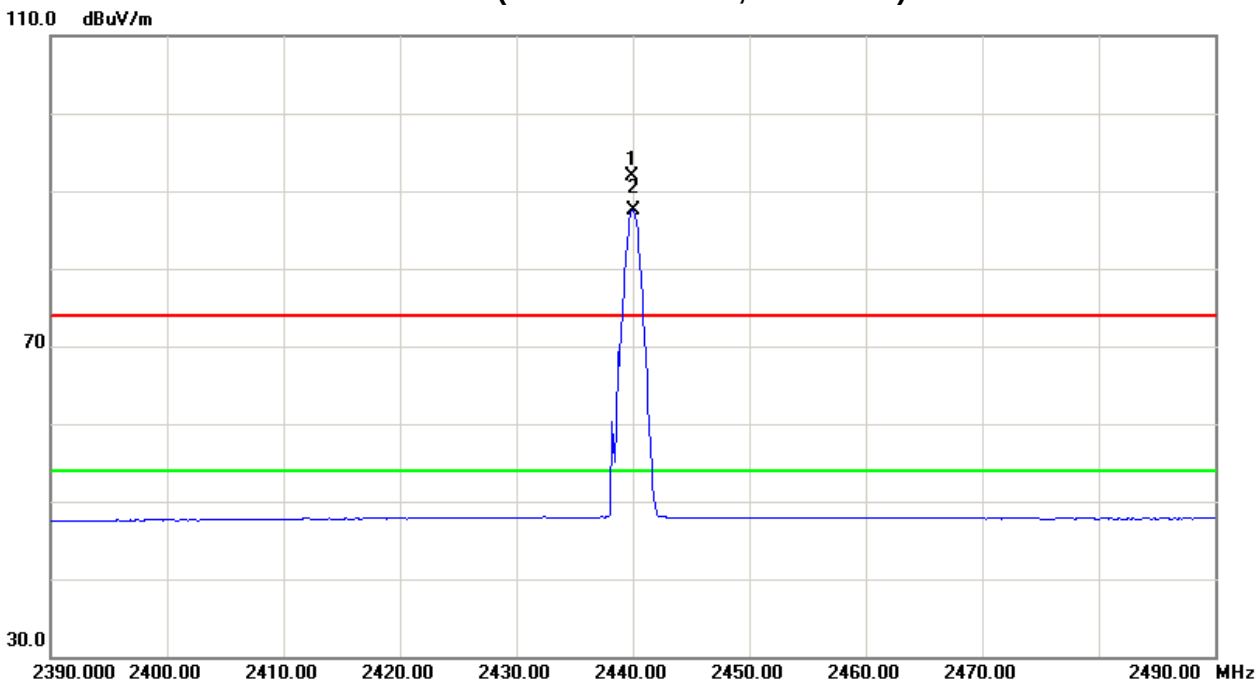
(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

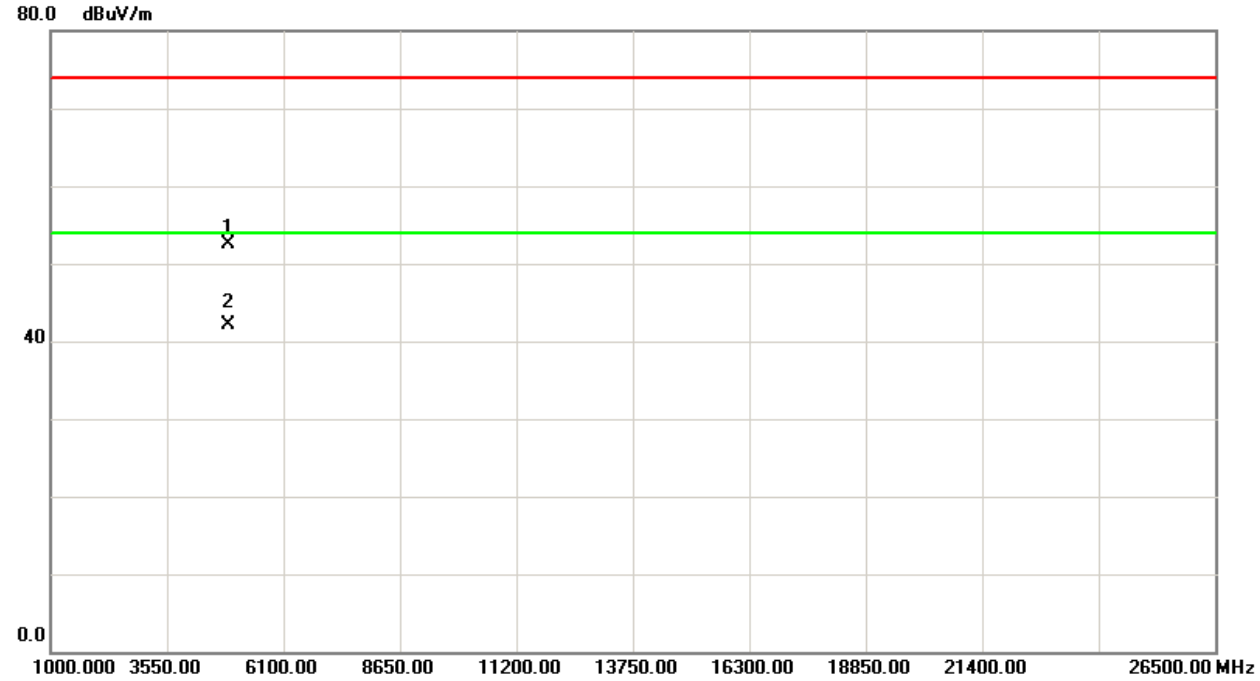
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

TX CH19 (Above 1000 MHz, Horizontal)





EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	23 ℃	Relative Humidity：	51 %
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	TX 2480MHz –CH39-1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2479.90	**V**	**61.47**	**50.34**	**34.36**	**95.83**	**84.70**			**X/F**
2483.50	V	22.82	13.62	34.37	57.19	47.99	74.00	54.00	X/E
4960.02	V	48.86	38.55	6.83	55.69	45.38	74.00	54.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

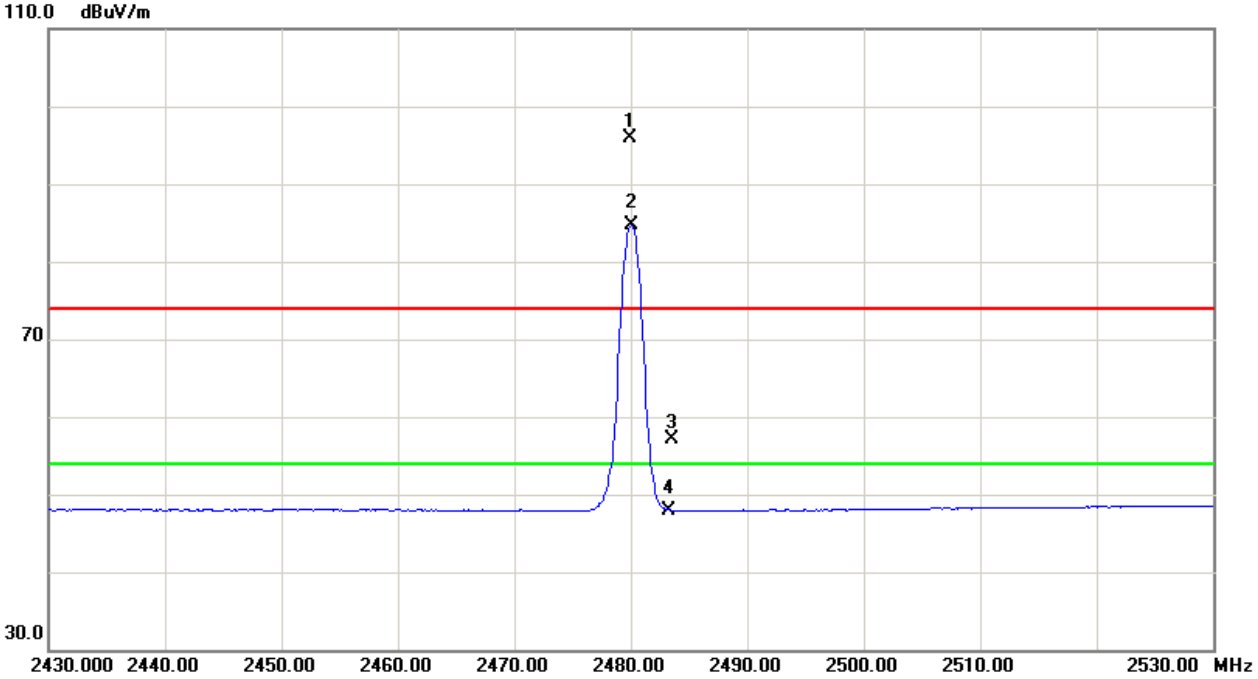
(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

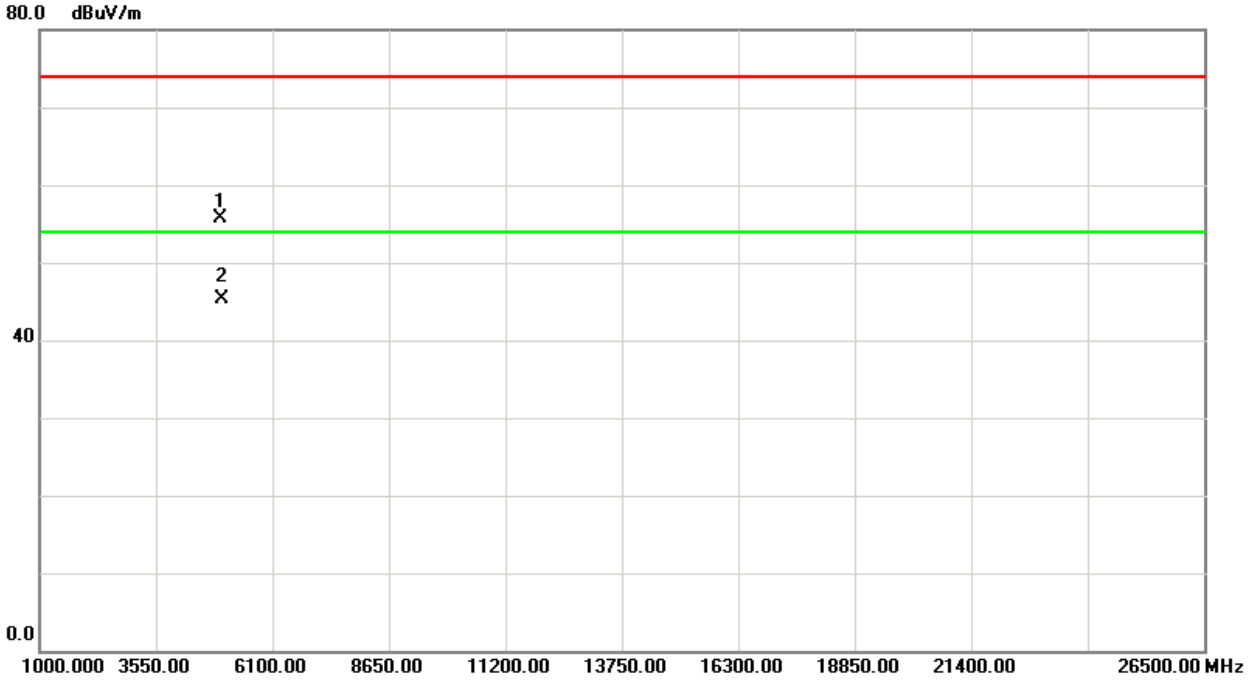
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

TX CH39 (Above 1000 MHz, Vertical)





EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	23 ℃	Relative Humidity：	51 %
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	TX 2480MHz –CH39-1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2479.90	**H**	**65.96**	**54.86**	**34.36**	**100.32**	**89.22**			**X/F**
2483.50	H	23.69	13.73	34.37	58.06	48.10	74.00	54.00	X/E
4960.00	H	47.73	37.25	6.83	54.56	44.08	74.00	54.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

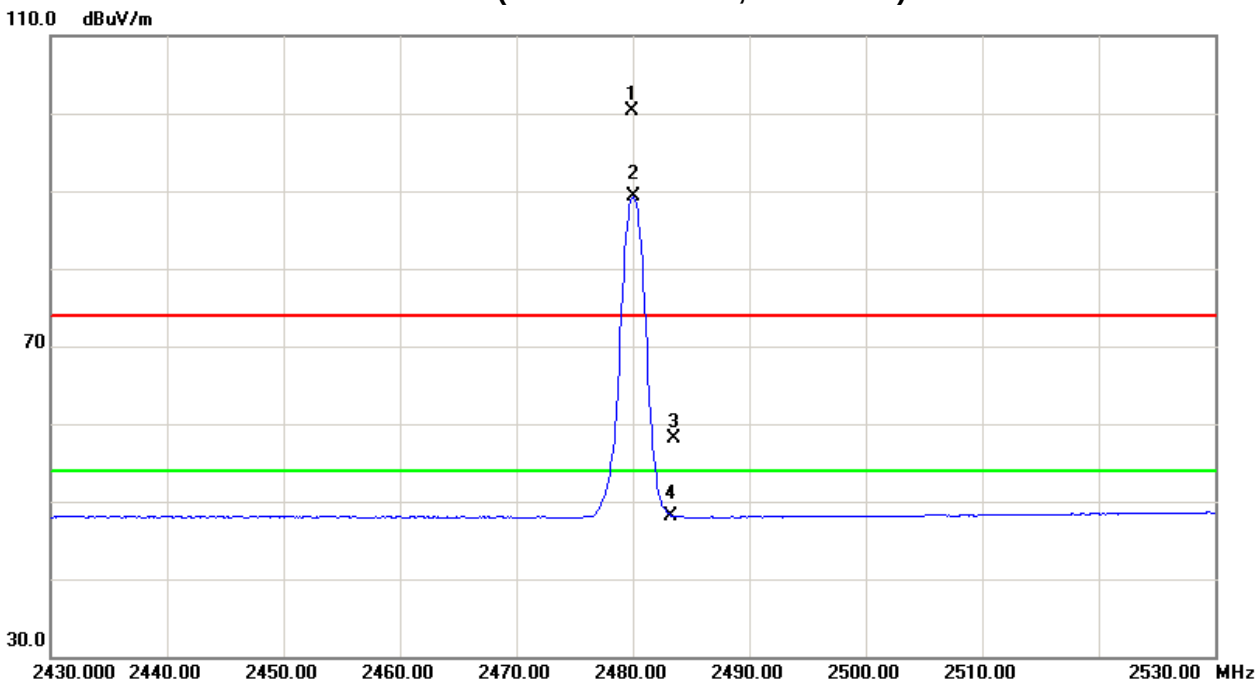
(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

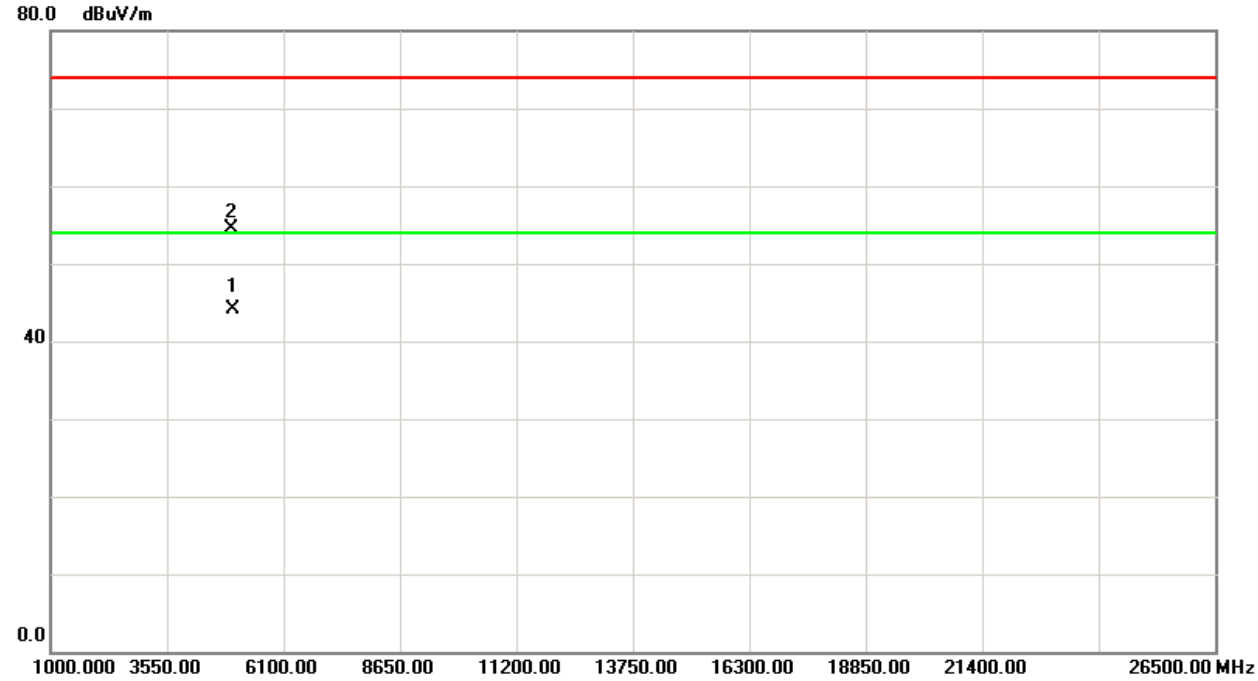
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

TX CH39 (Above 1000 MHz, Horizontal)





5. BANDWIDTH TEST

5.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS

5.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Until
1	Spectrum Analyzer	R&S	FSP_40	100185	Nov.16, 2013

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

5.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP

5.1.5 EUT OPERATION CONDITIONS

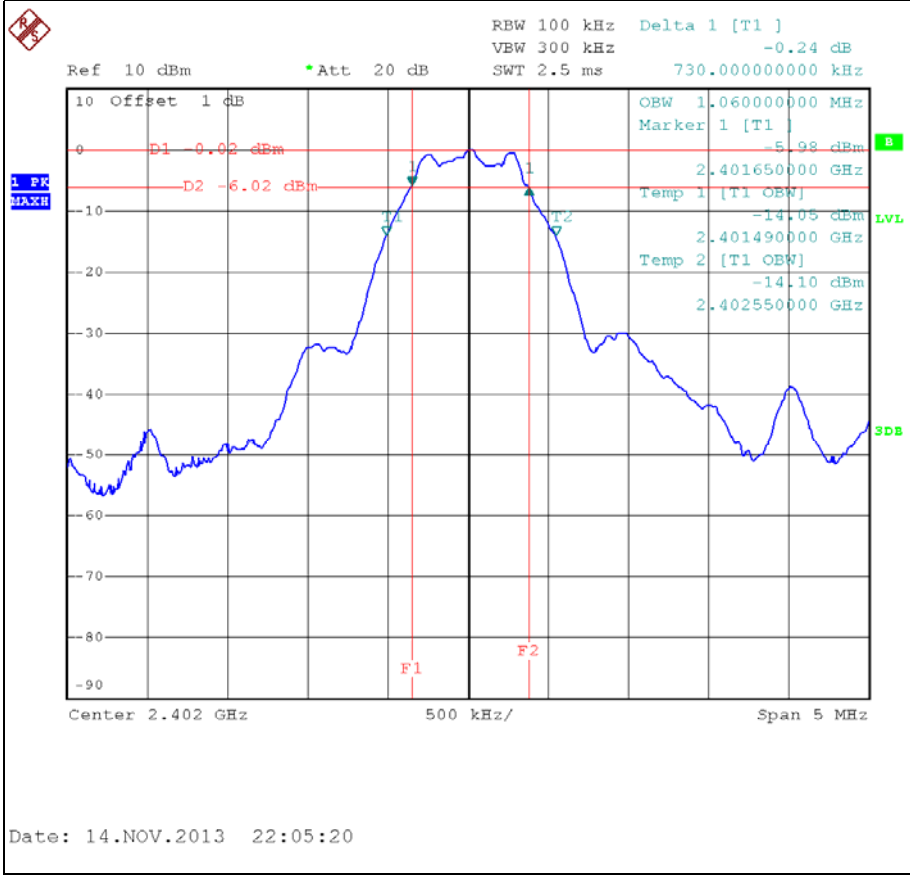
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.6 TEST RESULTS

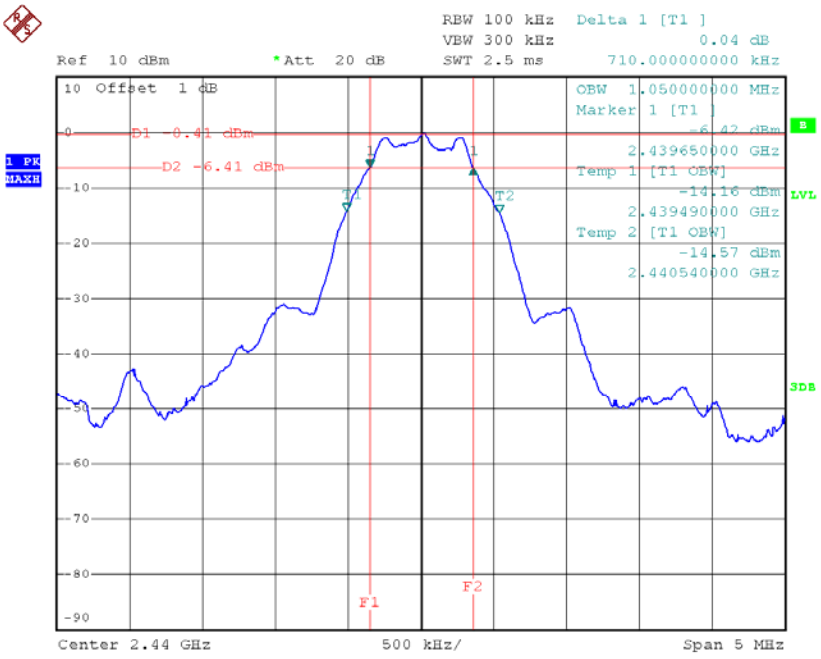
EUT：	Bluetooth Headset	Model Name. ：	BT700
Temperature：	28 ℃	Relative Humidity：	60 %
Pressure：	1016 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	CH00, CH19, CH39 - 1Mbps		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH00	2402MHz	0.73	>=500KHz
CH19	2440MHz	0.71	>=500KHz
CH39	2480MHz	0.72	>=500KHz

TX CH00



TX CH19



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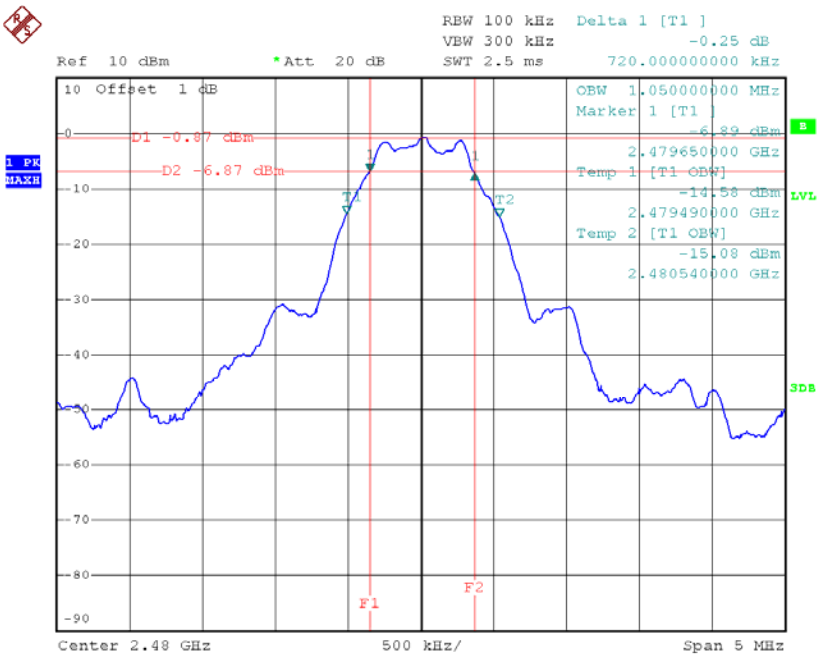
TX CH39



Date: 14.NOV.2013 22:01:06

6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2400-2483.5	PASS

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Apr. 25, 2014
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Apr. 25, 2014

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

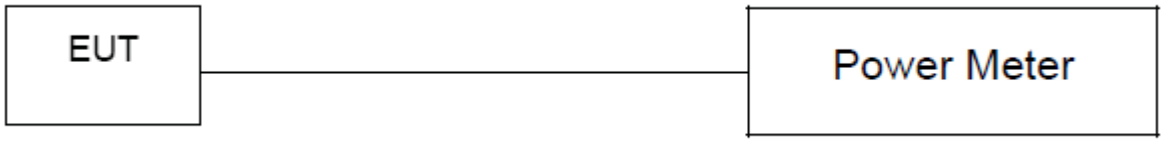
6.1.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.3.1 of FCC KDB 558074

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP



6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.
Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

6.1.6 TEST RESULTS

EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	28 ℃	Relative Humidity：	60 %
Pressure：	1016 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	CH00, CH19, CH39 - 1Mbps		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH00	2402MHz	0.23	30	1
CH19	2440MHz	-0.22	30	1
CH39	2480MHz	-0.68	30	1

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Until
1	Spectrum Analyzer	R&S	FSP_40	100185	Nov.16, 2013

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

7.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 10 ms.

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP

7.1.5 EUT OPERATION CONDITIONS

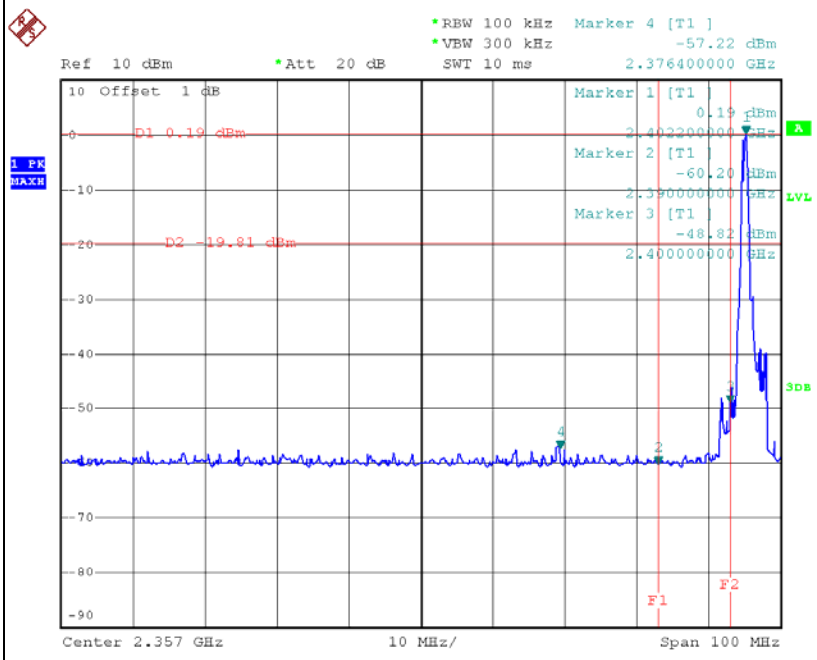
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.6 TEST RESULTS

EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	28 ℃	Relative Humidity：	60 %
Pressure：	1016 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	CH00, CH19 , CH39 - 1Mbps		

Channel of Worst Data: CH00			
The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2400.00	-48.82	2483.50	-57.57
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.			

CH00 (Lower) - 1Mbps



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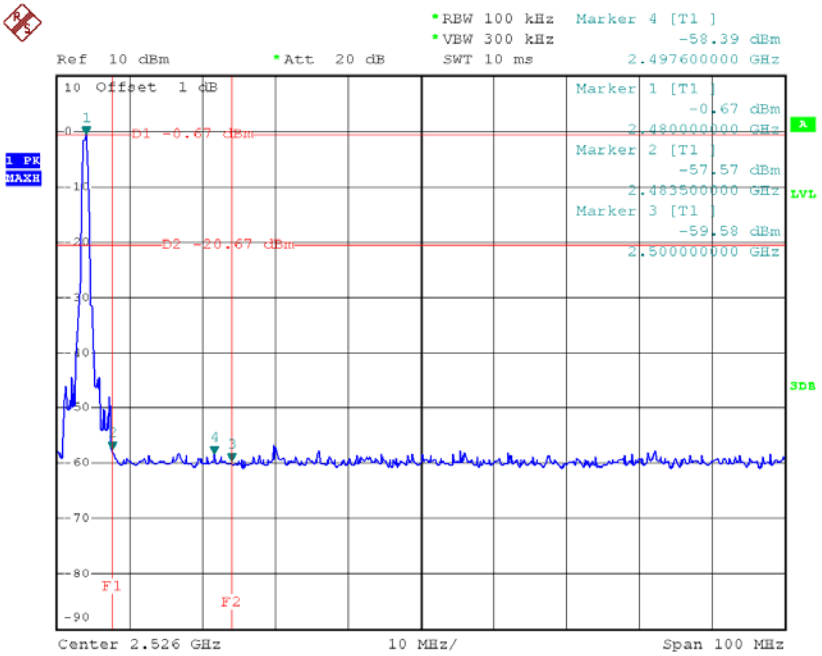
CH39 (upper) - 1Mbps



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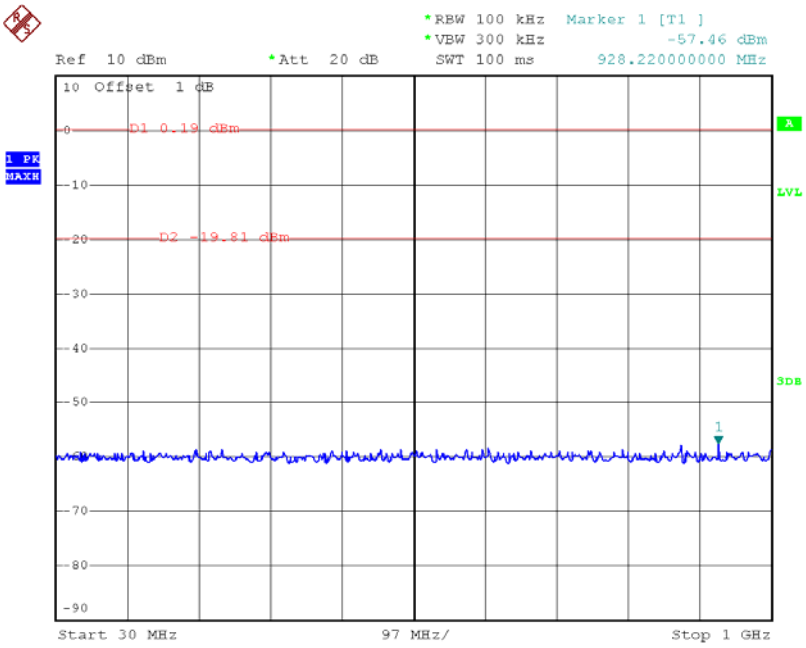
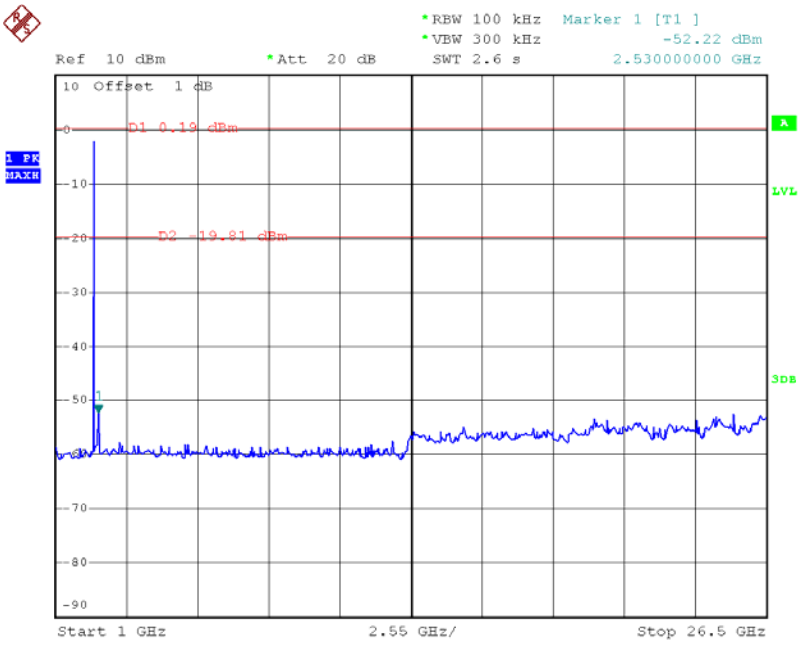
CH00 (30M~1GHz)



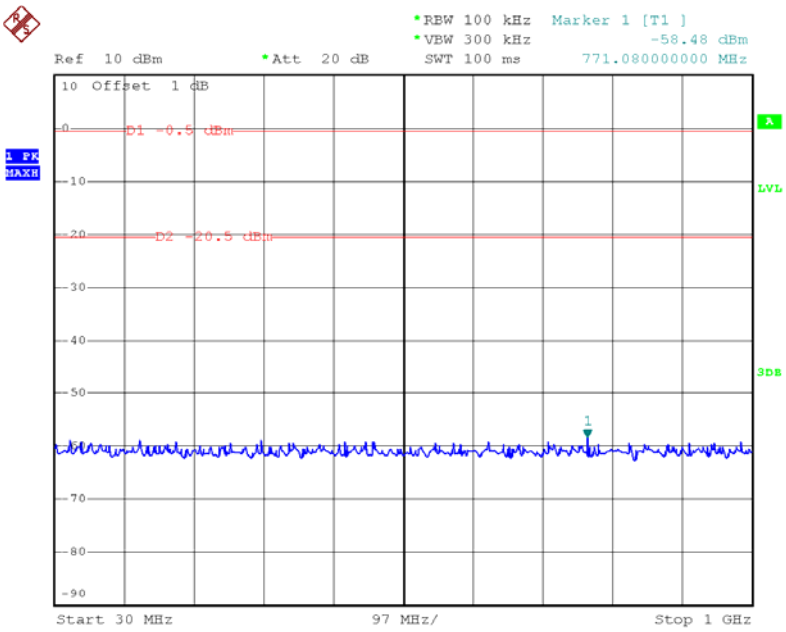
Date: 14.NOV.2013 22:31:32

CH00 (1GHz~10th Harmonic)



Date: 14.NOV.2013 22:31:56

CH19 (30M~1GHz)



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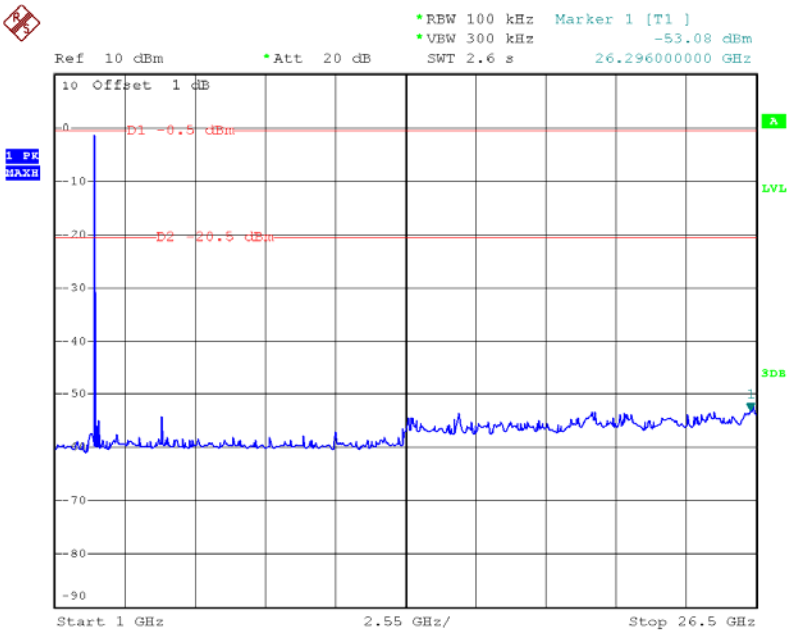
CH19 (1GHz~10th Harmonic)



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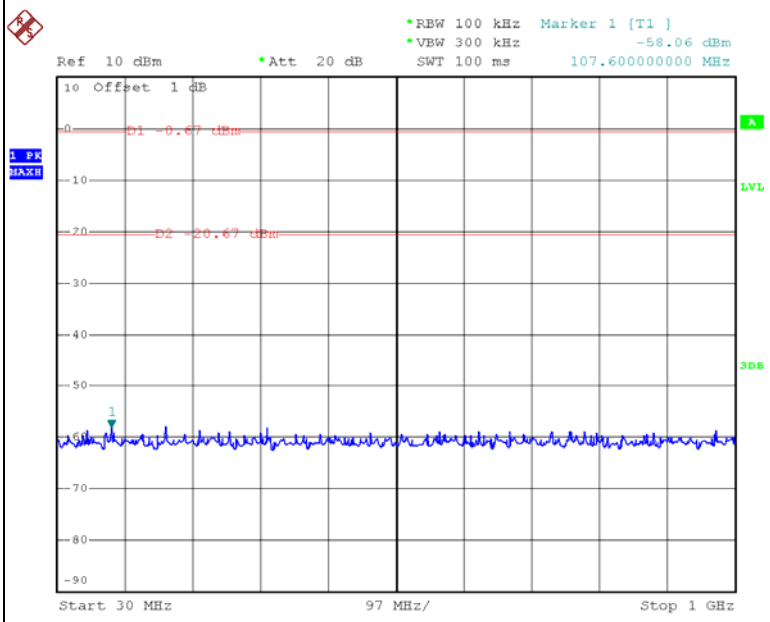
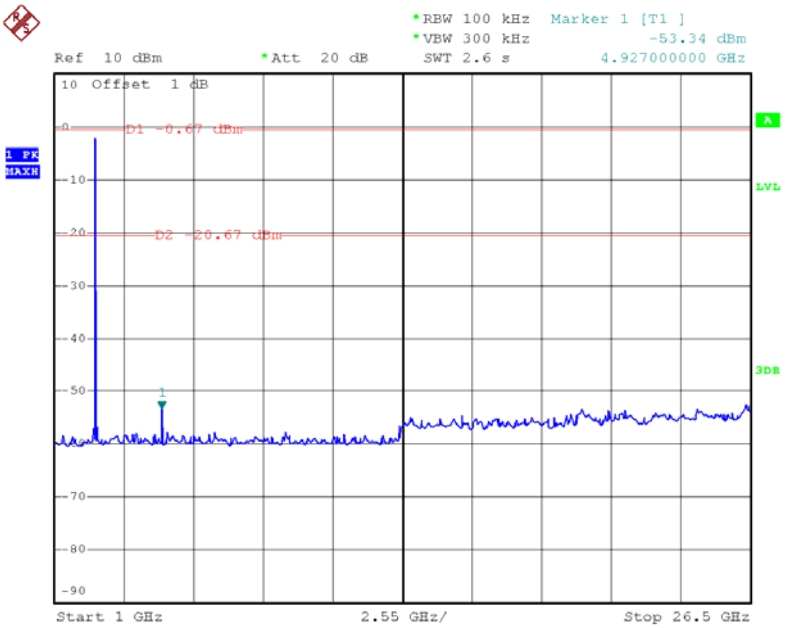
CH39 (30M~1GHz)



CH39 (1GHz~10th Harmonic)



8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

8.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Until
1	Spectrum Analyzer	R&S	FSP_40	100185	Nov.16, 2013

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

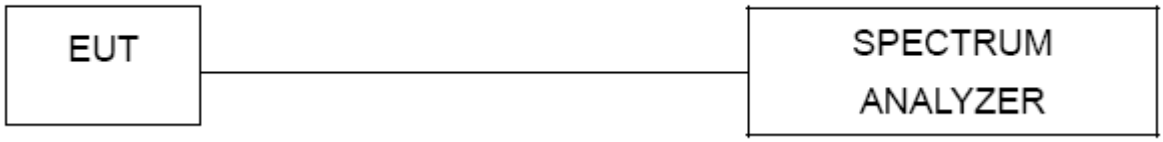
8.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = auto.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP



8.1.5 EUT OPERATION CONDITIONS

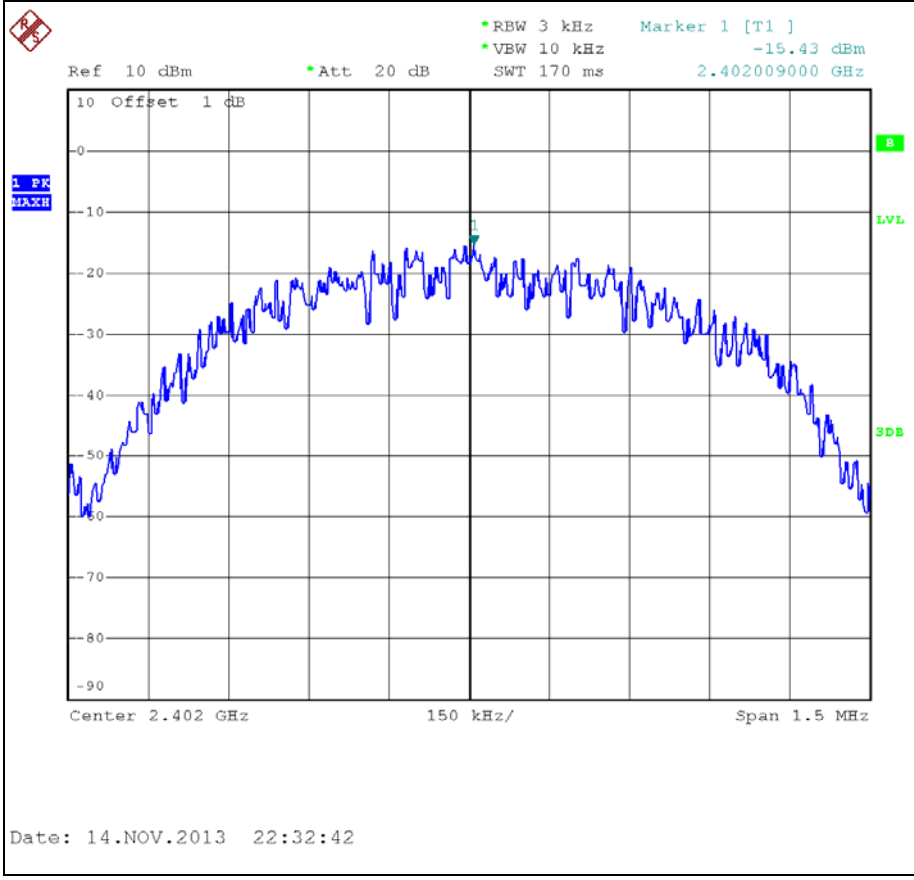
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.6 TEST RESULTS

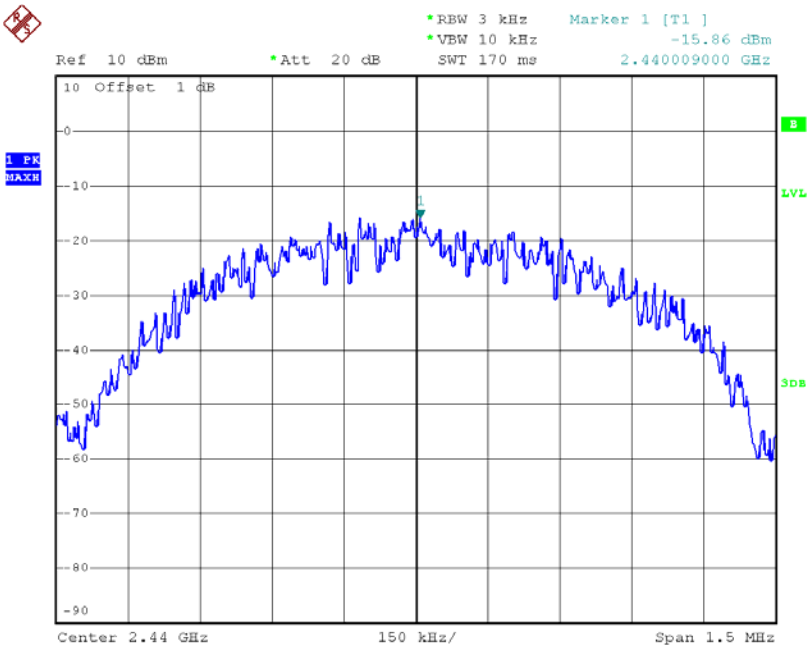
EUT：	Bluetooth Headset	Model Name ：	BT700
Temperature：	28 ℃	Relative Humidity：	60 %
Pressure：	1016 hPa	Test Voltage ：	DC 3.7V
Test Mode ：	CH00, CH19, CH39 -1Mbps		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH00	2402MHz	-15.43	8
CH19	2440MHz	-15.86	8
CH39	2480MHz	-16.11	8

TX CH00



TX CH19



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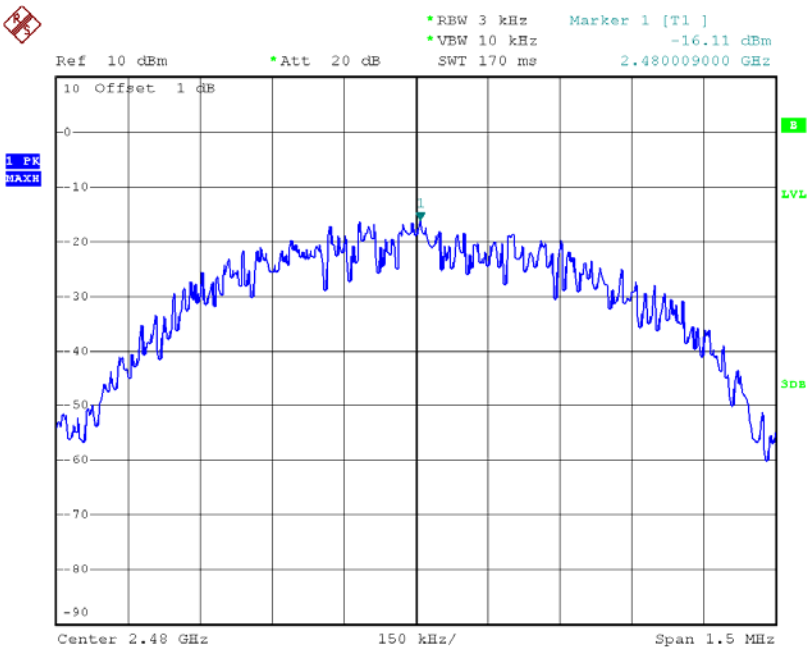
TX CH39



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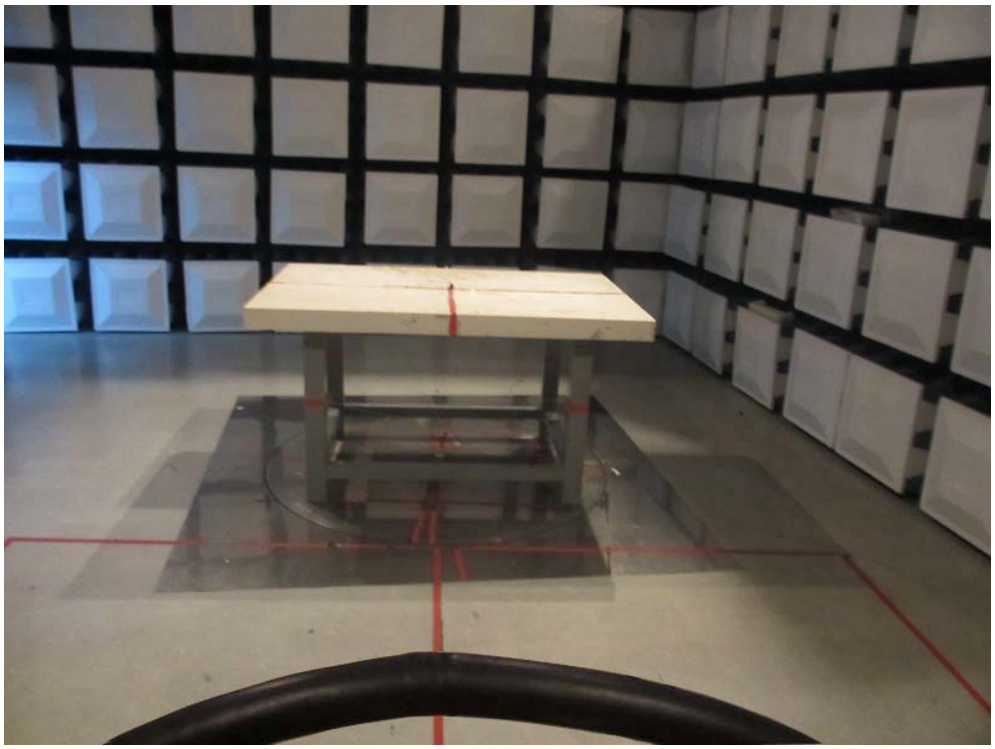
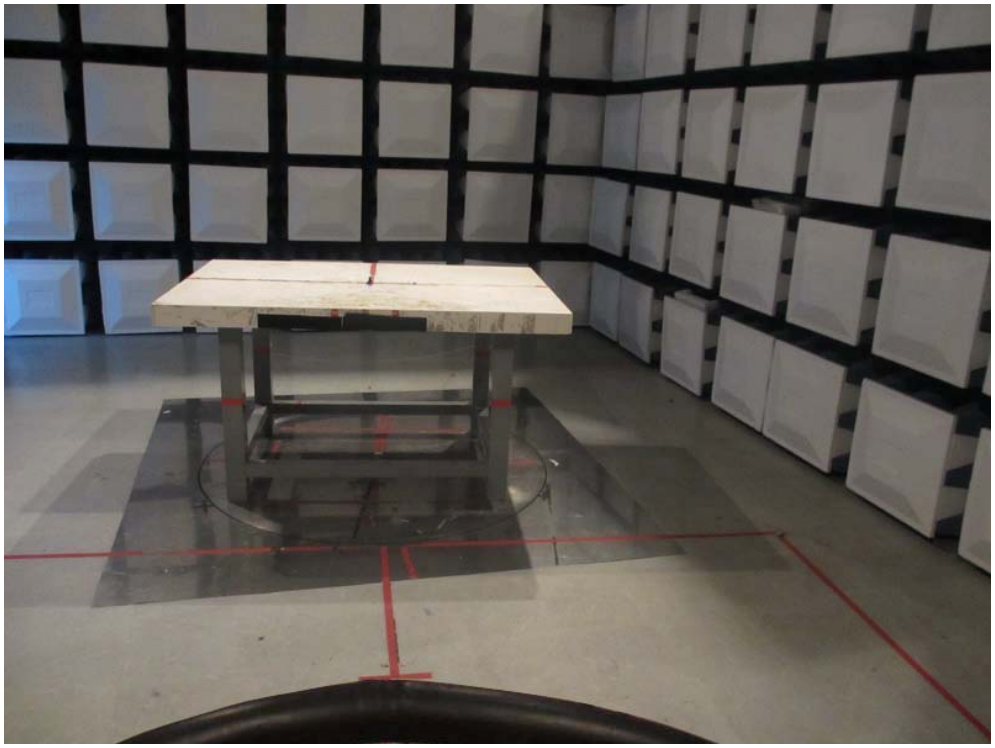
9. EUT TEST PHOTO

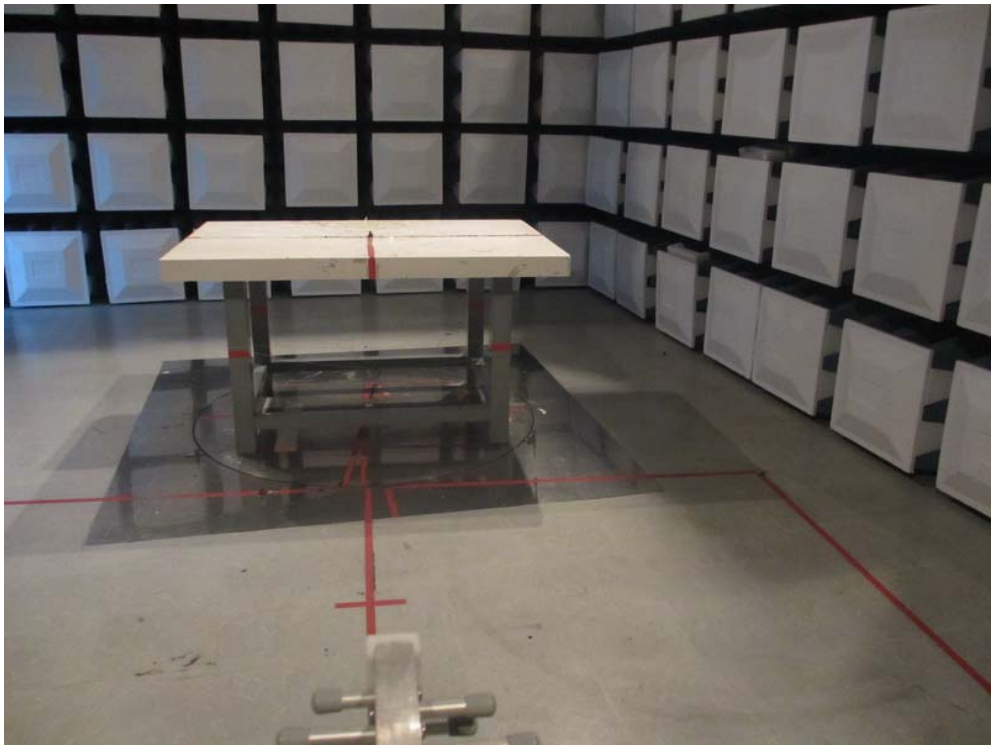
Conducted Measurement Photos

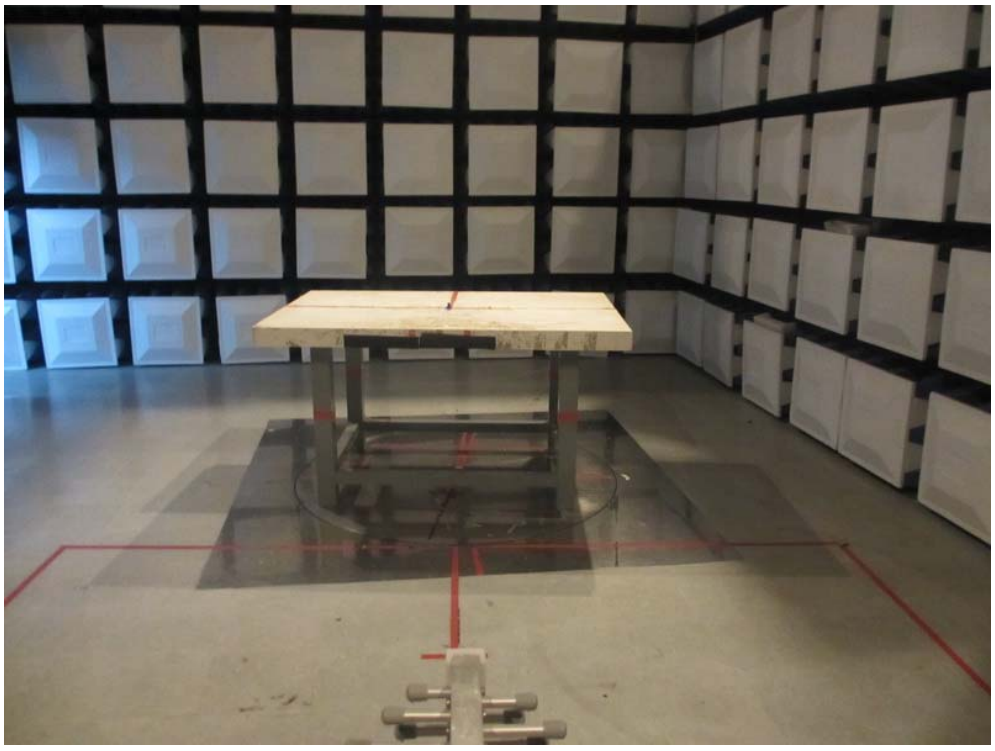
Radiated Measurement Photos
9K~30MHz





Radiated Measurement Photos
30M~1000MHz





Radiated Measurement Photos
Above 1000MHz