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# FCC Test Report

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Report No.: AGC00630130901FE08

**FCC ID** : YGKR9XXX

**APPLICATION PURPOSE** : Original Equipment

**PRODUCT DESIGNATION** : Bluetooth Headset

**BRAND NAME** : N/A

**MODEL NAME** : R9030、R9020、R9010、R9000、K930、K920、K910、  
K900、R930、R920、R910、R900、K9030、K9020、  
K9010、K9000

**CLIENT** : Shenzhen Roman Technology Co.,Ltd.

**DATE OF ISSUE** : Sep.25, 2013

**STANDARD(S)** : FCC Part 15 Rules

**REPORT VERSION** : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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### Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Sep.25, 2013	Valid	Original Report

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**1. VERIFICATION OF COMPLIANCE**

<b>Applicant</b>	Shenzhen Roman Technology Co.,Ltd.
<b>Address</b>	Floor 3, Building C, Feng Men Ao Industrial Park, GangTou, BanTian, Longgang District, Shenzhen, Guangdong, China
<b>Manufacturer</b>	Shenzhen Roman Technology Co.,Ltd.
<b>Address</b>	Floor 3, Building C, Feng Men Ao Industrial Park, GangTou, BanTian, Longgang District, Shenzhen, Guangdong, China
<b>Product Designation</b>	Bluetooth Headset
<b>Brand Name</b>	N/A
<b>Test Model</b>	R9030
<b>Series Model</b>	R9020、R9010、R9000、K930、K920、K910、K900、R930、R920、R910、R900、K9030、K9020、K9010、K9000
<b>Difference description</b>	All the same except for the appearance.
<b>Date of test</b>	Sep.18~Sep.24, 2013
<b>Deviation</b>	None
<b>Condition of Test Sample</b>	Normal
<b>Report Template</b>	AGCRT-US-BLE/RF (2013-03-01)

**WE HEREBY CERTIFY THAT:**

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

Prepared By



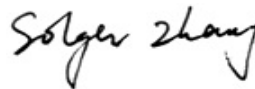
Water Zuo Sep.25, 2013

Checked By



Forrest Lei Sep.25, 2013

Authorized By



Solger Zhang Sep.25, 2013

## 2.GENERAL INFORMATION

### 2.1PRODUCT DESCRIPTION

The EUT is designed as a “**Bluetooth Headset**”. It is designed by way of utilizing the FHSS technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2.402 GHz to 2.480GHz
Bluetooth Version	V4.0
Modulation	GFSK
Number of channels	40 Channel(37 Hopping Channel,3 advertising Channel)
Antenna Designation	Integral antenna
Antenna Gain	1.58dBi
Hardware Version	N/A
Software Version	N/A
Power Supply	DC3.7V by Built-in Li-ion Battery

### 2.2 RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: YGKR9XXX** filing to comply with Section 15.247of the FCC Part 15, Subpart C Rules.

### 2.3TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions. The EUT was tested in all three orthogonal planes and the worse case was showed.

### 2.4 TEST FACILITY

All measurement facilities used to collect the measurement data are located at Attestation of Global Compliance (Shenzhen) Co, Ltd

2/F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China.

FCC register No.: 259865

### 2.5 SPECIAL ACCESSORIES

Refer to section 2.2.

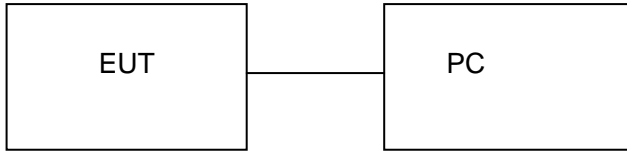
### 2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

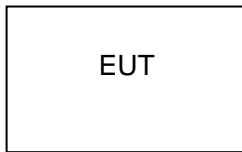
### 3. SYSTEM TEST CONFIGURATION

#### 3.1 CONFIGURATION OF TESTED SYSTEM

**Configuration1:** Continuous TX



**Configuration 2:** Normal operation



#### 3.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Note
1	Bluetooth headset	N/A	R9030	EUT
2	USB Cable	N/A	N/A	Accessory

#### 4. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§ 15.203	Antenna Requirement	Compliant
§15.209 §15.247(d)	Radiated Emission	Compliant
§15.247(d)	Band Edges	Compliant
§15.247	6 dB Bandwidth	Compliant
§15.247(b)	Conducted Power	Compliant
§15.247(e)	Maximum Conducted Output Power SPECTRAL Density	Compliant
§15.207	Line Conduction Emission	N/A

Note: BT is not active when charging.

The USB port only used for charging and can't be used to transfer data with PC.

#### 5. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX
2	Middle channel TX
3	High channel TX
4	Normal Operating (BT)

Note:

1. All the test modes can be supply by Built-in Li-ion battery, only the result of the worst case was recorded in the report if no any records.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.



## **6. ANTENNA REQUIREMENT**

### **6.1. STANDARD APPLICABLE**

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 Sections 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 Section 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.

### **6.2. TEST RESULT**

This product has a fixed antenna, fulfill the requirement of this section.

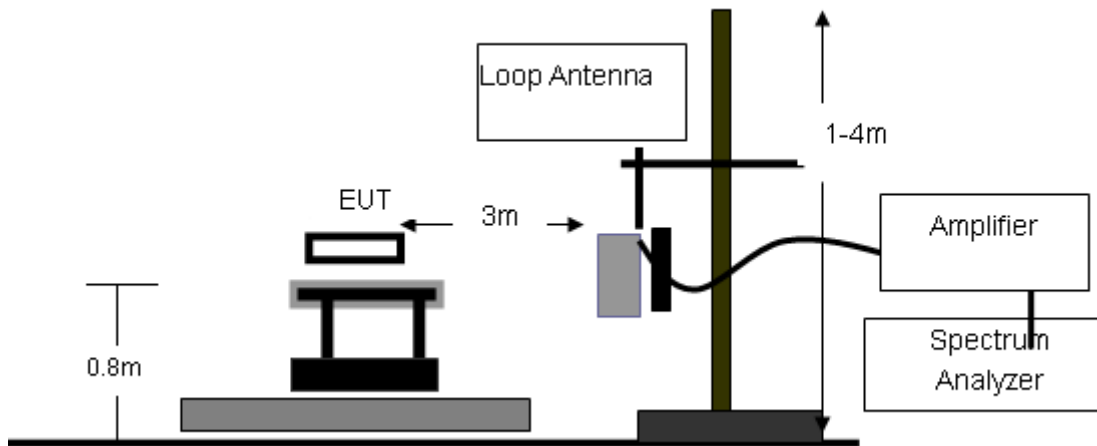
## 7. RADIATED EMISSION

### 7.1 MEASUREMENT PROCEDURE

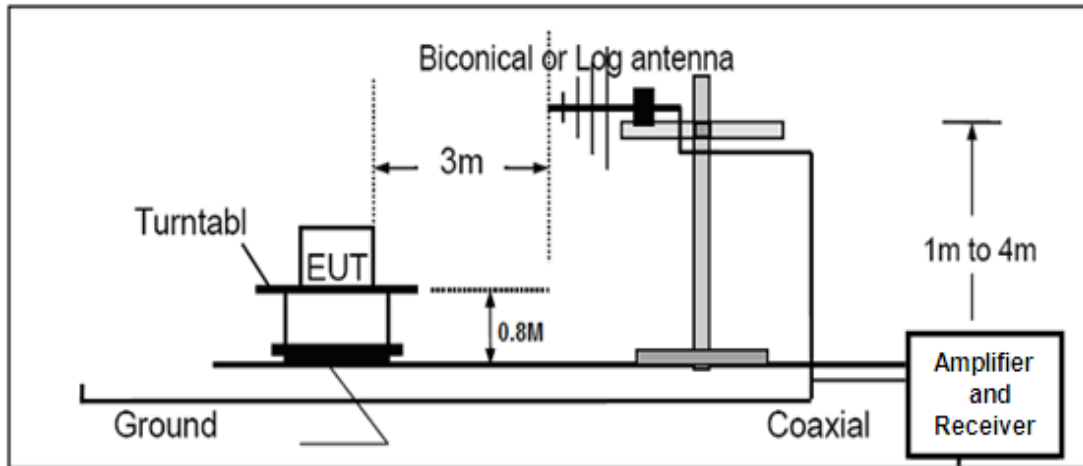
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

## 7.2 TEST SETUP

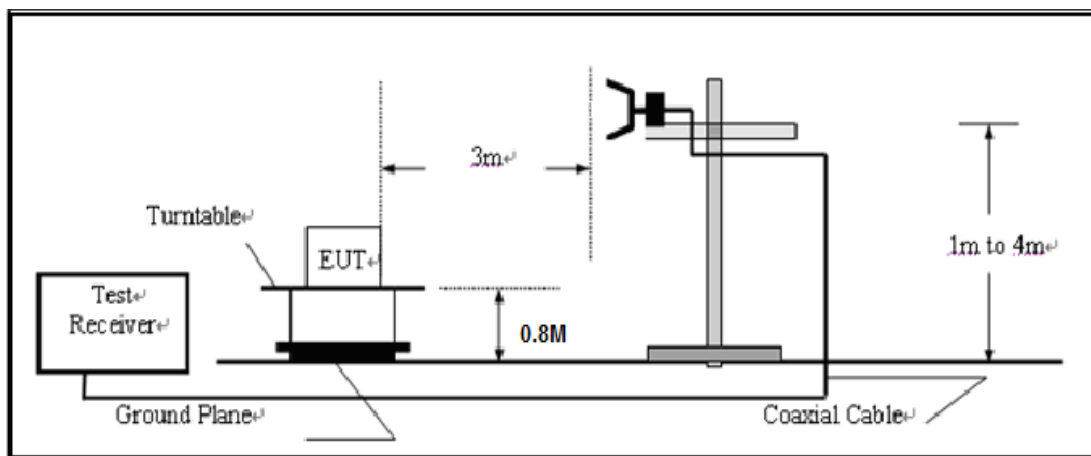
### RADIATED EMISSION TEST SETUP BELOW 30MHz



### RADIATED EMISSION TEST SETUP 30MHz-1000MHz



### RADIATED EMISSION TEST SETUP ABOVE 1000MHz



### 7.3 LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

<b>Frequencies (MHz)</b>	<b>Field Strength (micorvolts/meter)</b>	<b>Measurement Distance (meters)</b>
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
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,  
the test records reported below are the worst result compared to other modes.

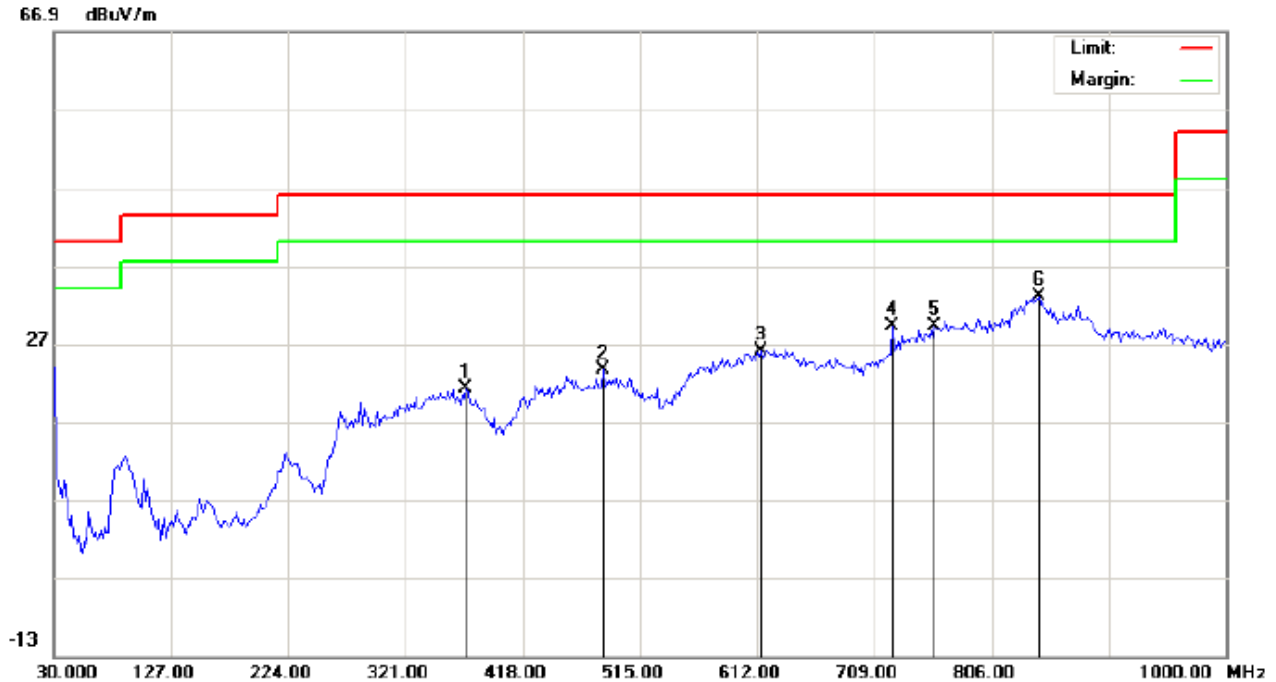
### 7.4 TEST RESULT

#### **RADIATED EMISSION BELOW 30MHZ**

No emission found between lowest internal used/generated frequencies to 30MHz.

**RADIATED EMISSION BELOW 1GHZ**

**RADIATED EMISSION TEST- (30MHZ-1GHZ) -HIGH CHANNEL-HORIZONTAL**



Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT:Bluetooth Headset  
M/N: R9030  
Mode: High channel TX  
Note:

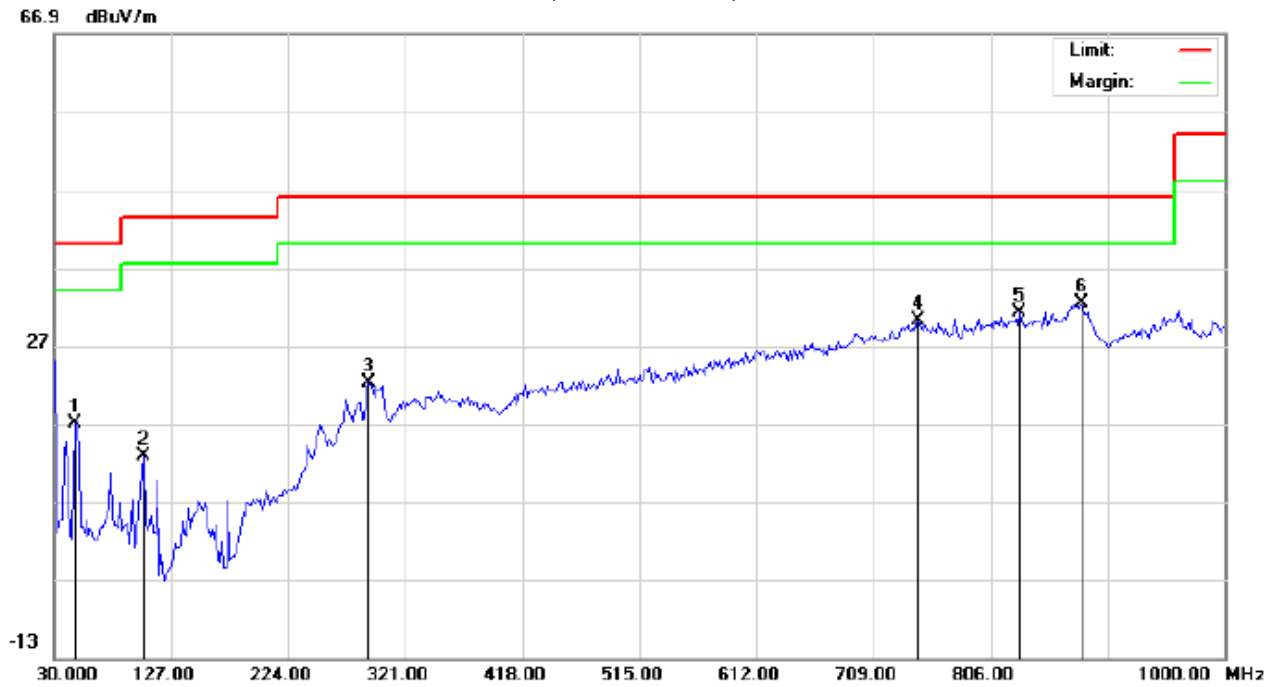
Polarization: *Horizontal*  
Power:  
Distance: 3m

Temperature: 26  
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna	Table	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		Height	Degree	
									cm	degree	
1		371.1167	1.21	19.98	21.19	46.00	-24.81	peak			
2		484.2833	1.82	21.86	23.68	46.00	-22.32	peak			
3		615.2333	0.36	25.71	26.07	46.00	-19.93	peak			
4		723.5500	3.31	25.80	29.11	46.00	-16.89	peak			
5		759.1167	0.49	28.68	29.17	46.00	-16.83	peak			
6	*	844.8000	1.06	32.04	33.10	46.00	-12.90	peak			

**RESULT: PASS**

RADIATED EMISSION TEST- (30MHZ-1GHZ) -HIGH CHANNEL-VERTICAL



Site: site #1  
 Limit: FCC Class B 3M Radiation  
 EUT: Bluetooth Headset  
 M/N: R9030  
 Mode: High channel TX  
 Note:

Polarization: *Vertical*  
 Power:  
 Distance: 3m

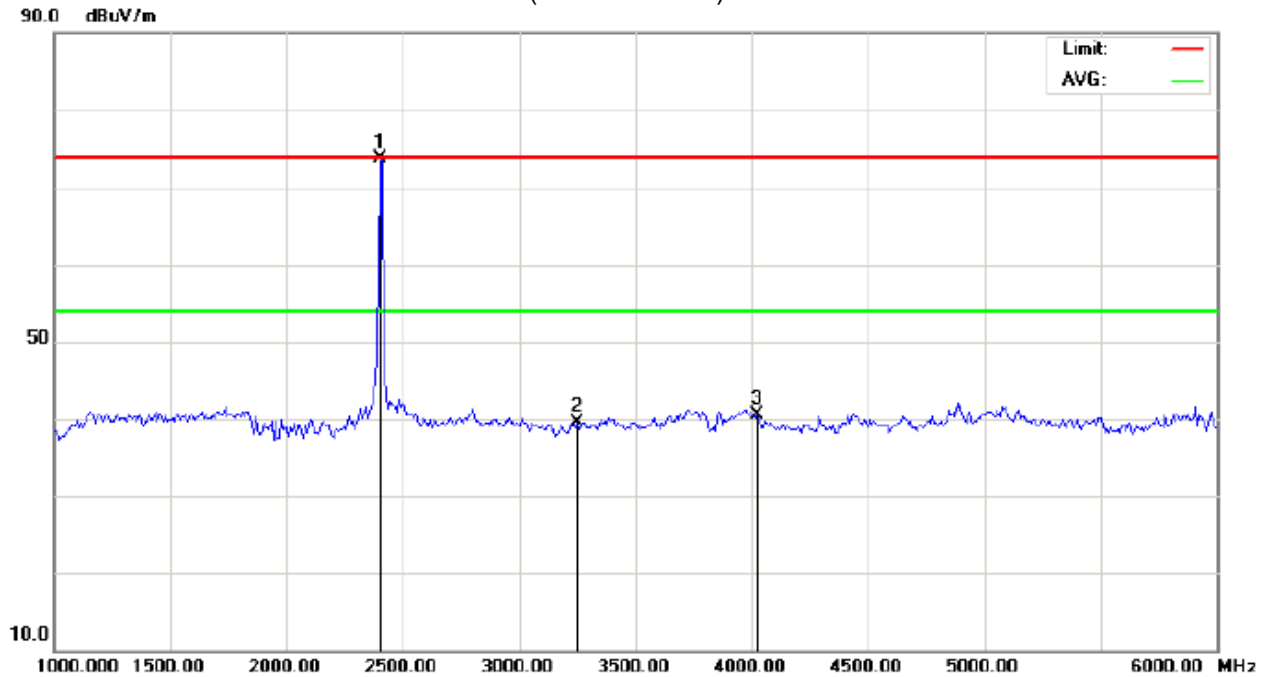
Temperature: 26  
 Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		47.7833	12.99	4.04	17.03	40.00	-22.97	peak			
2		104.3667	8.41	4.39	12.80	43.50	-30.70	peak			
3		290.2833	4.66	17.51	22.17	46.00	-23.83	peak			
4		746.1833	1.27	28.97	30.24	46.00	-15.76	peak			
5		830.2500	1.40	29.85	31.25	46.00	-14.75	peak			
6	*	881.9833	1.01	31.32	32.33	46.00	-13.67	peak			

**RESULT: PASS**

**RADIATED EMISSION ABOVE 1GHZ**

**RADIATED EMISSION TEST- (ABOVE 1GHZ)-LOW CHANNEL-HORIZONTAL**



Site: site #1

Polarization: *Horizontal*

Temperature: 26

Limit: FCC Class B 3M Radiation above 1GHZ(PK)

Power:

Humidity: 60 %

EUT:Bluetooth Headset

Distance: 3m

M/N:R9030

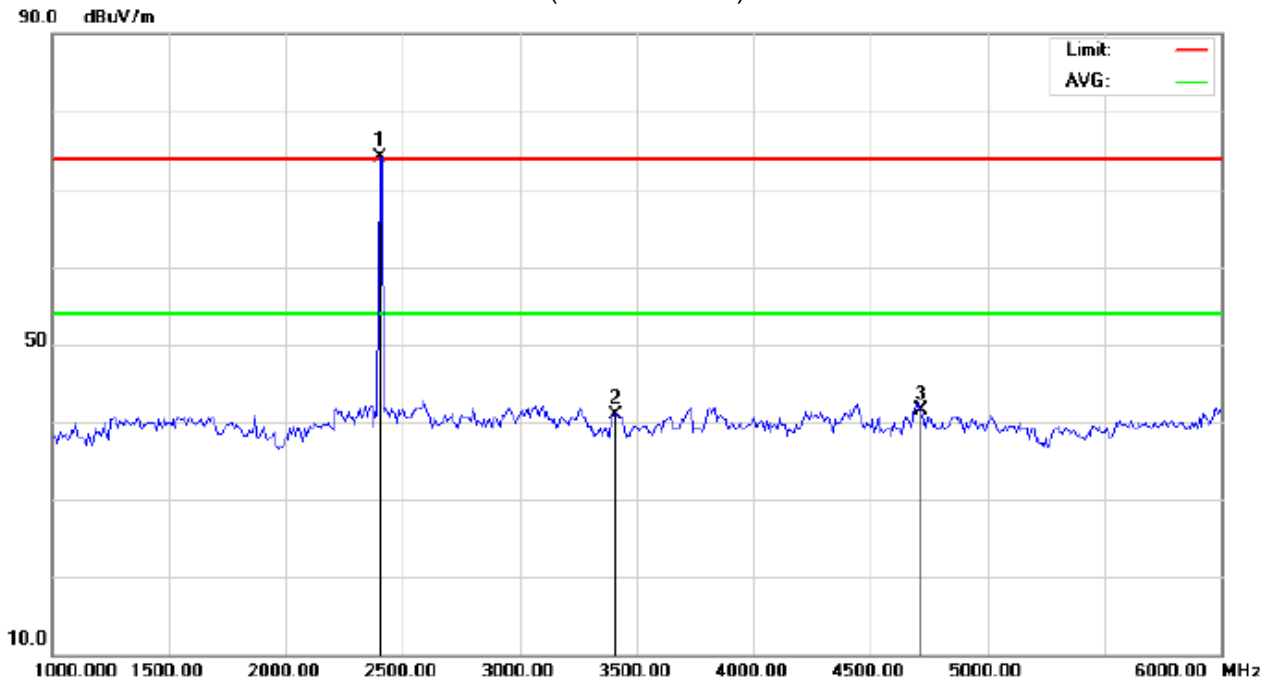
Mode: Low Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna	Table	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		Height	Degree	
									cm	degree	
1	*	2402.000	73.63	0.00	73.63	74.00	-0.37	peak			
2		3250.000	39.57	0.00	39.57	74.00	-34.43	peak			
3		4025.000	40.44	0.00	40.44	74.00	-33.56	peak			

**RESULT: PASS**

RADIATED EMISSION TEST-(ABOVE 1GHZ)-LOW CHANNEL-VERTICAL



Site: site #1

Polarization: *Vertical*

Temperature: 26

Limit: FCC Class B 3M Radiation above 1GHZ(PK)

Power:

Humidity: 60 %

EUT:Bluetooth Headset

Distance: 3m

M/N:R9030

Mode: Low Channel TX

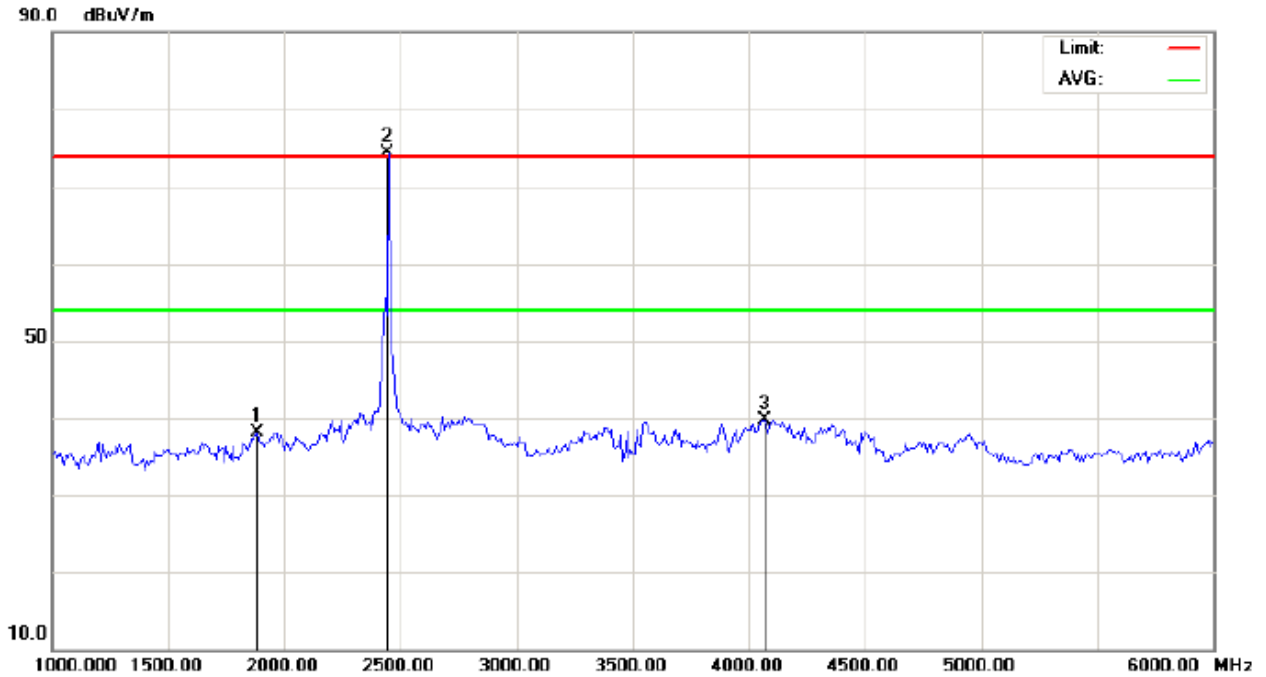
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2402.000	74.13	0.00	74.13	74.00	0.13	peak			
2		3408.333	40.96	0.00	40.96	74.00	-33.04	peak			
3		4716.667	41.46	0.00	41.46	74.00	-32.54	peak			

**RESULT: PASS**



RADIATED EMISSION TEST-(ABOVE 1GHZ)-MIDDLE CHANNEL-HORIZONTAL



Site: site #1  
Limit: FCC Class B 3M Radiation above 1GHZ(PK)  
EUT:Bluetooth Headset  
M/N:R9030  
Mode: Middle Channel TX  
Note:

Polarization: *Horizontal*  
Power:  
Distance: 3m

Temperature: 26  
Humidity: 60 %

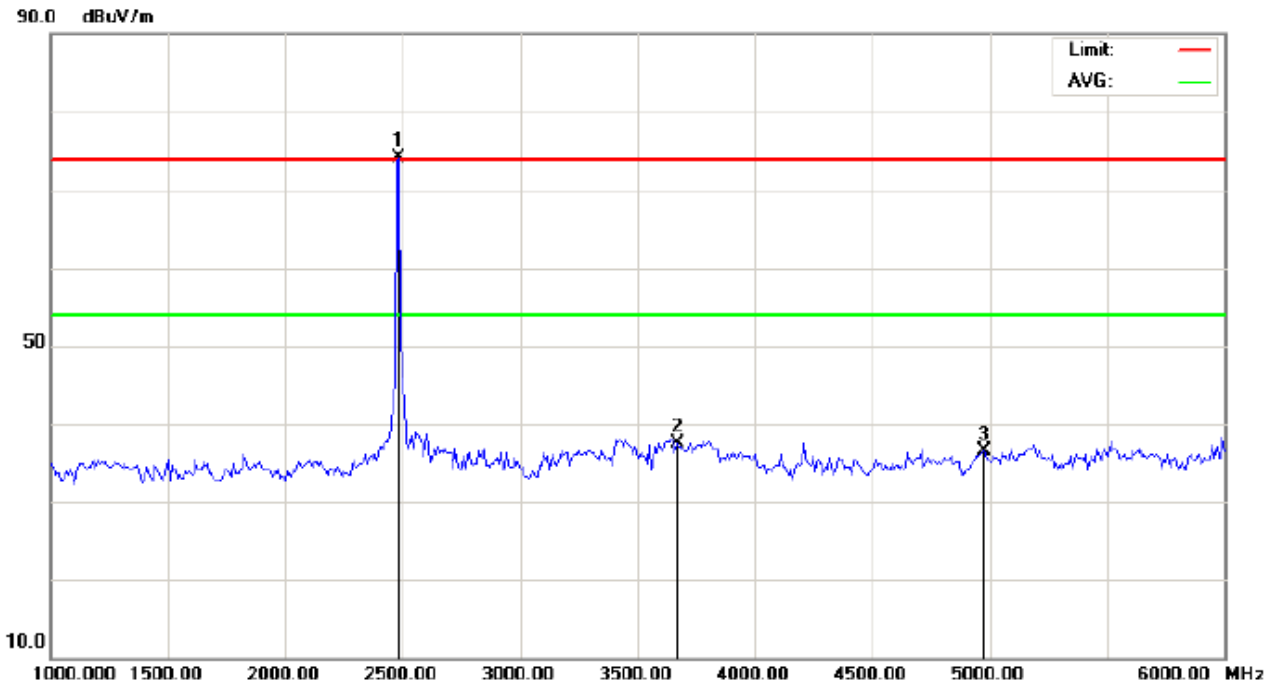
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		1883.333	38.18	0.00	38.18	74.00	-35.82	peak			
2	*	2442.000	74.30	0.00	74.30	74.00	0.30	peak			
3		4066.667	39.74	0.00	39.74	74.00	-34.26	peak			

**RESULT: PASS**





RADIATED EMISSION TEST-(ABOVE 1GHZ)-HIGH CHANNEL-VERTICAL



Site: site #1 Polarization: *Vertical* Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
EUT:Bluetooth Headset Distance: 3m  
M/N:R9030  
Mode: High Channel TX  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	74.05	0.00	74.05	74.00	0.05	peak			
2		3666.667	37.50	0.00	37.50	74.00	-36.50	peak			
3		4975.000	36.47	0.00	36.47	74.00	-37.53	peak			

**RESULT: PASS**

## **8. BAND EDGE EMISSION**

### **8.1. MEASUREMENT PROCEDURE**

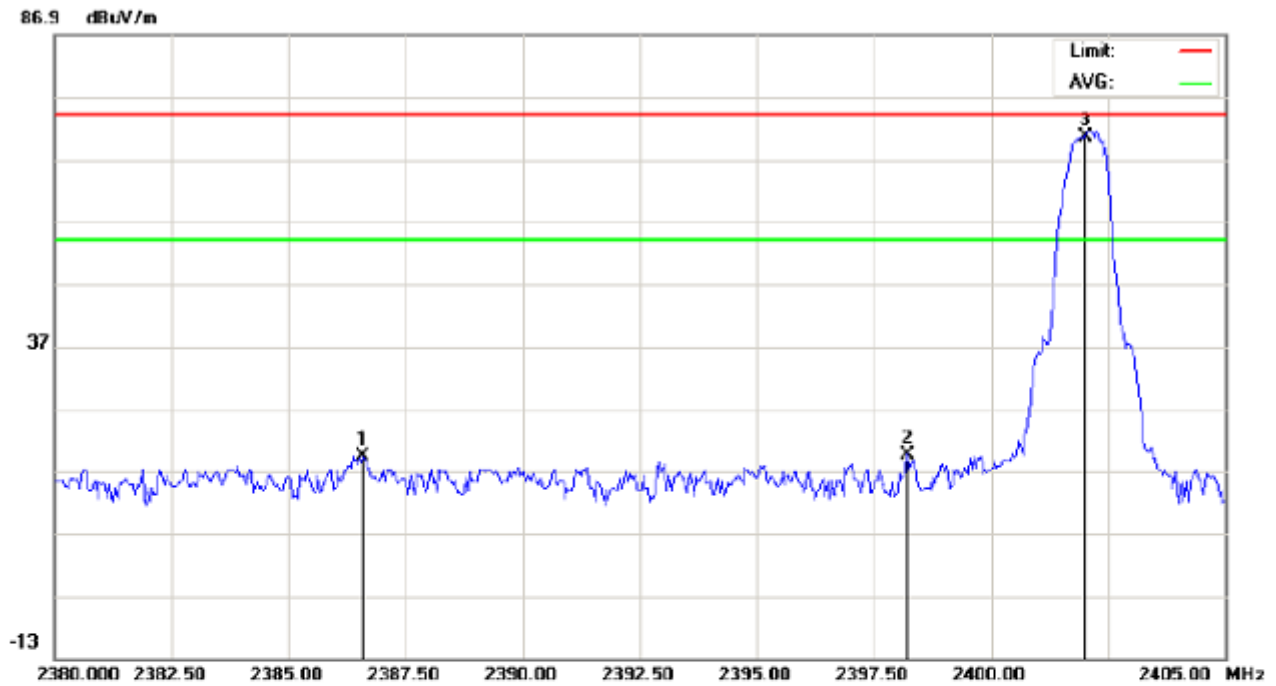
1. Set the EUT Work on the top, the bottom operation frequency individually.
2. Set SPA Start or Stop Frequency = Operation Frequency,  $RBW \geq 1\% \text{span}$ ,  $VBW \geq RBW$
3. The band edges was measured and recorded.

### **8.2. TEST SET-UP**

Radiated same as 7.2

### 8.3. TEST RESULT

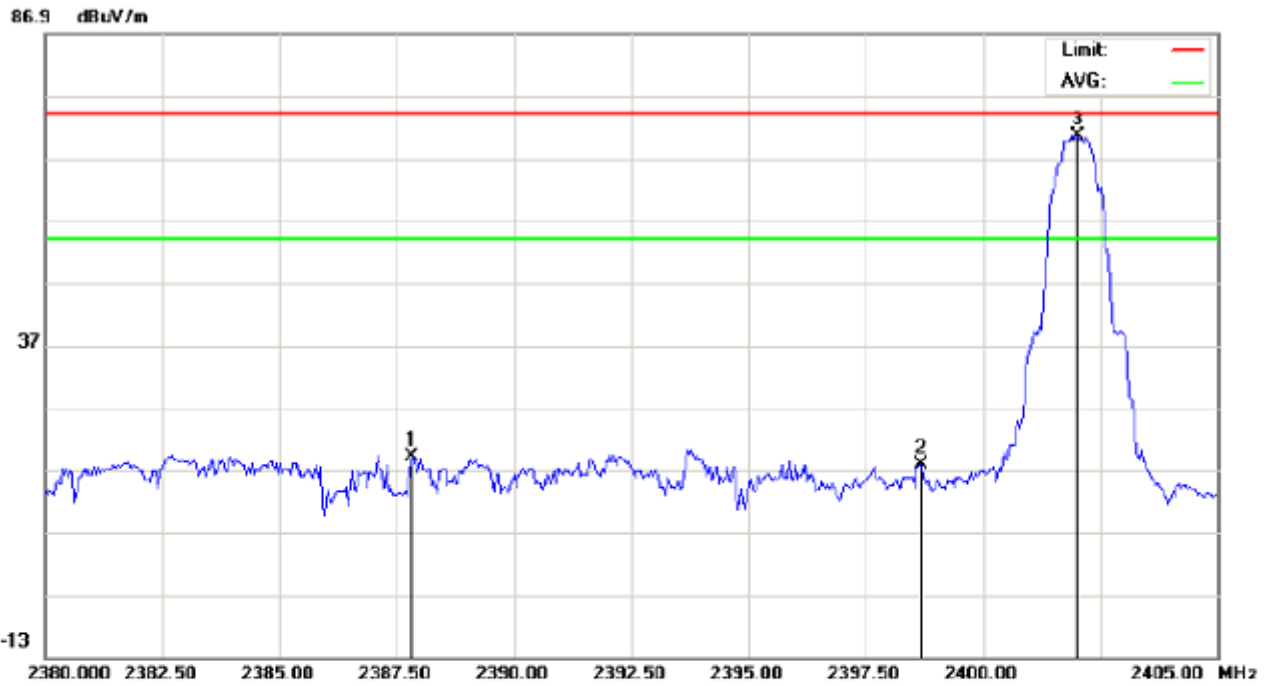
TEST PLOT OF BAND EDGE FOR LOW CHANNEL –Horizontal



Site: site #1	Polarization: <i>Horizontal</i>	Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK)	Power:	Humidity: 60 %
EUT:Bluetooth Headset	Distance:	
M/N:R9030		
Mode: Low channel TX		
Note:		

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2386.583	28.96	-9.69	19.27	74.00	-54.73	peak			
2		2398.208	29.33	-9.68	19.65	74.00	-54.35	peak			
3	*	2402.000	80.14	-9.68	70.46	74.00	-3.54	peak			

TEST PLOT OF BAND EDGE FOR LOW CHANNEL - Vertical



Site: site #1

Polarization: **Vertical**

Temperature: 26

Limit: FCC Class B 3M Radiation above 1GHZ(PK)

Power:

Humidity: 60 %

EUT:Bluetooth Headset

Distance:

M/N:R9030

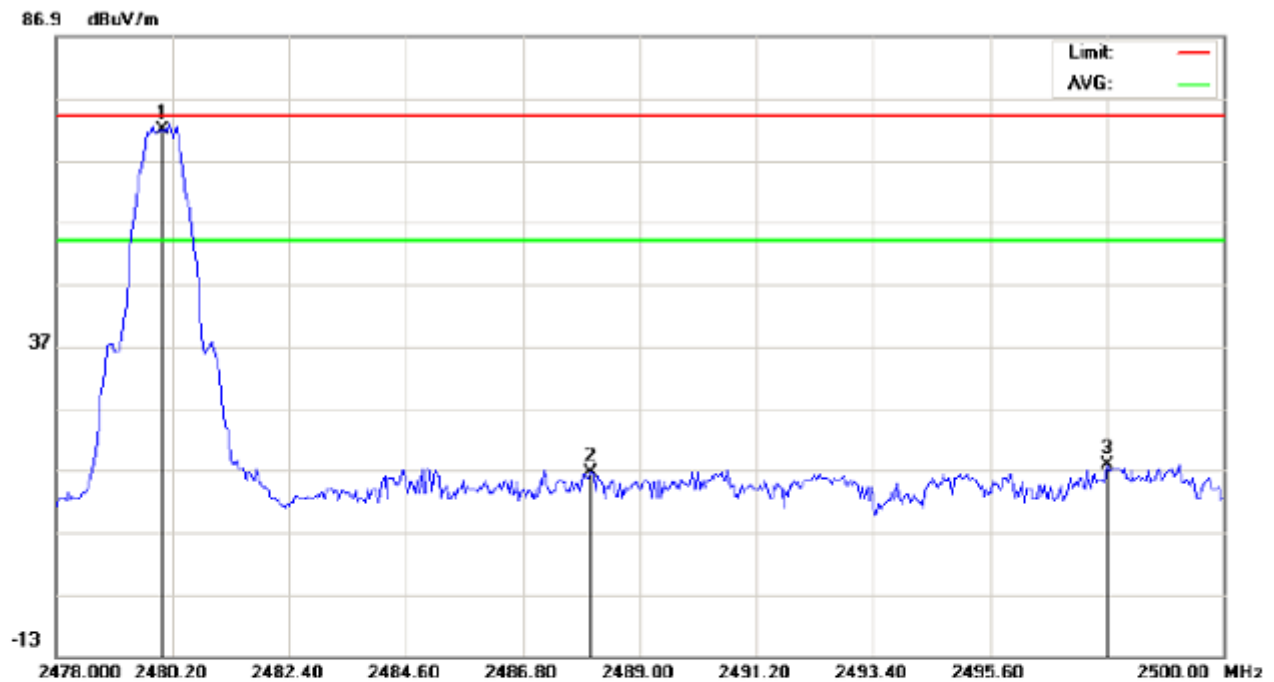
Mode: Low Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2387.833	28.73	-9.69	19.04	74.00	-54.96	peak			
2		2398.667	27.34	-9.68	17.66	74.00	-56.34	peak			
3	*	2402.000	80.23	-9.68	70.55	74.00	-3.45	peak			

**RESULT: PASS**

TEST PLOT OF BAND EDGE FOR HIGH CHANNEL –Horizontal

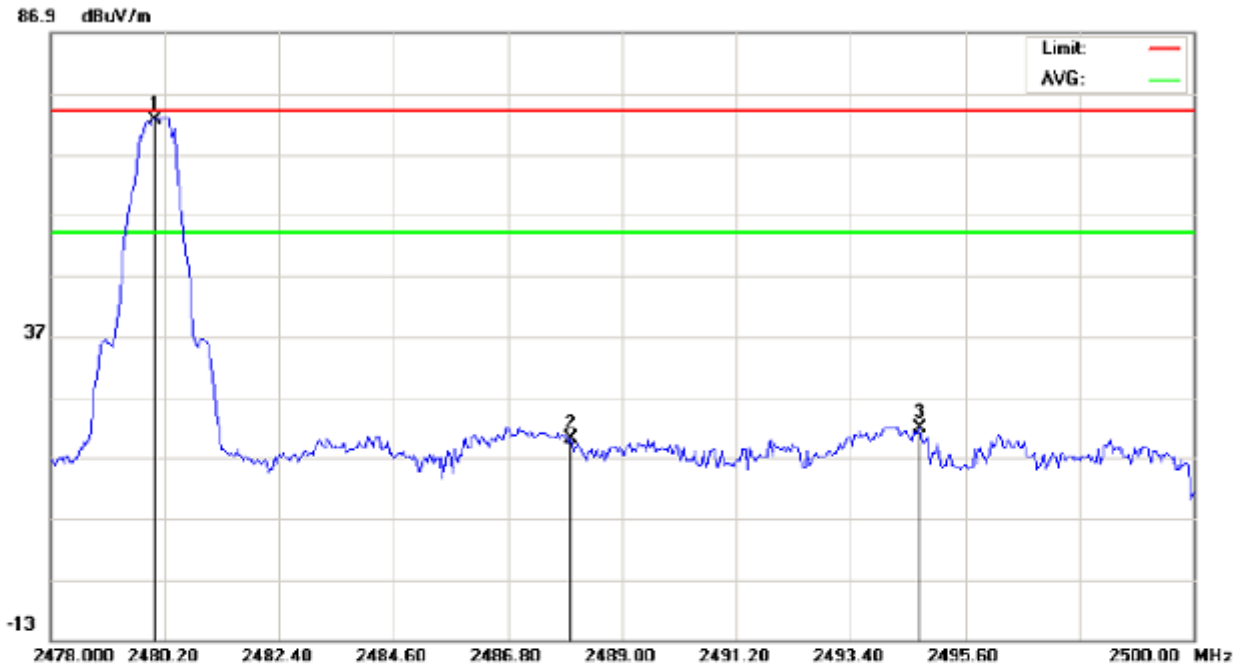


Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
EUT:Bluetooth Headset Distance:  
M/N:R9030  
Mode: **High Channel TX**  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	81.35	-9.59	71.76	74.00	-2.24	peak			
2		2488.083	26.03	-9.58	16.45	74.00	-57.55	peak			
3		2497.800	27.43	-9.57	17.86	74.00	-56.14	peak			



TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Vertical



Site: site #1  
 Limit: FCC Class B 3M Radiation above 1GHZ(PK)  
 EUT:Bluetooth Headset  
 M/N:R9030  
 Mode: High Channel TX  
 Note:

Polarization: *Vertical*  
 Power:  
 Distance:

Temperature: 26  
 Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	82.17	-9.59	72.58	74.00	-1.42	peak			
2		2488.010	29.71	-9.58	20.13	74.00	-53.87	peak			
3		2494.720	31.48	-9.58	21.90	74.00	-52.10	peak			

**RESULT: PASS**

## 9. 6DB BANDWIDTH

### 9.1. TEST EQUIPMENT LIST AND DETAILS

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
PSA SERIES SPECTRUM ANALYZER	AGILENT	E4440A	US41421290	07/17/2013	07/16/2014
RECEIVER ANTENNA	ETS	2175	57337	07/17/2013	07/16/2014

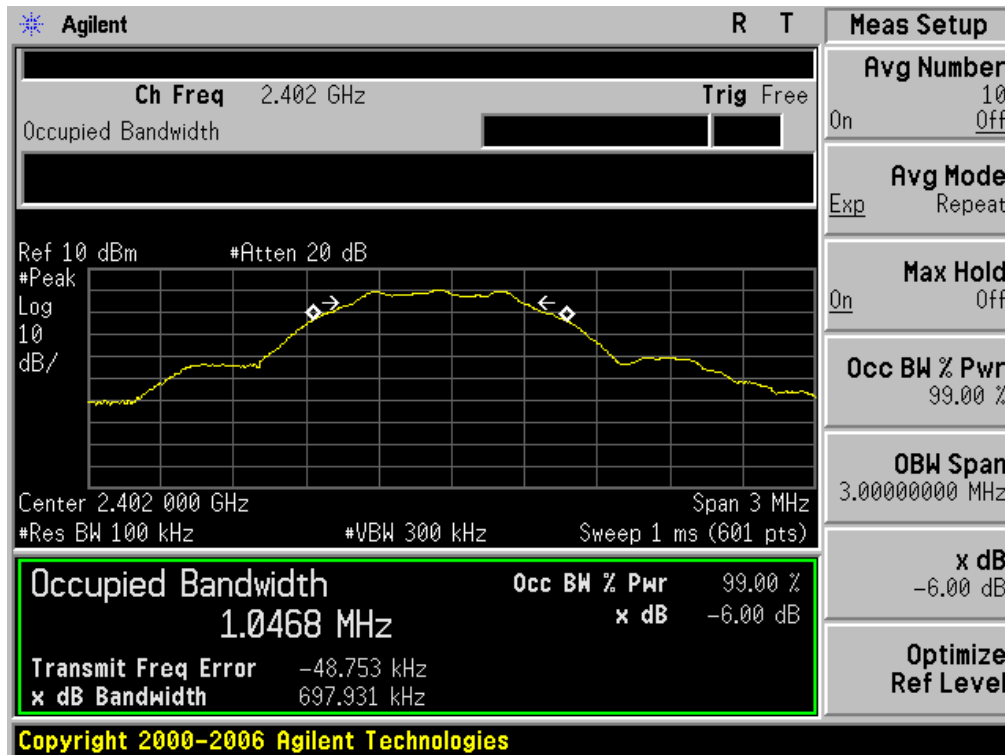
### 9.2. TEST PROCEDURE

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW $\geq$ RBW.
4. Set SPA Trace 1 Max hold, then View.

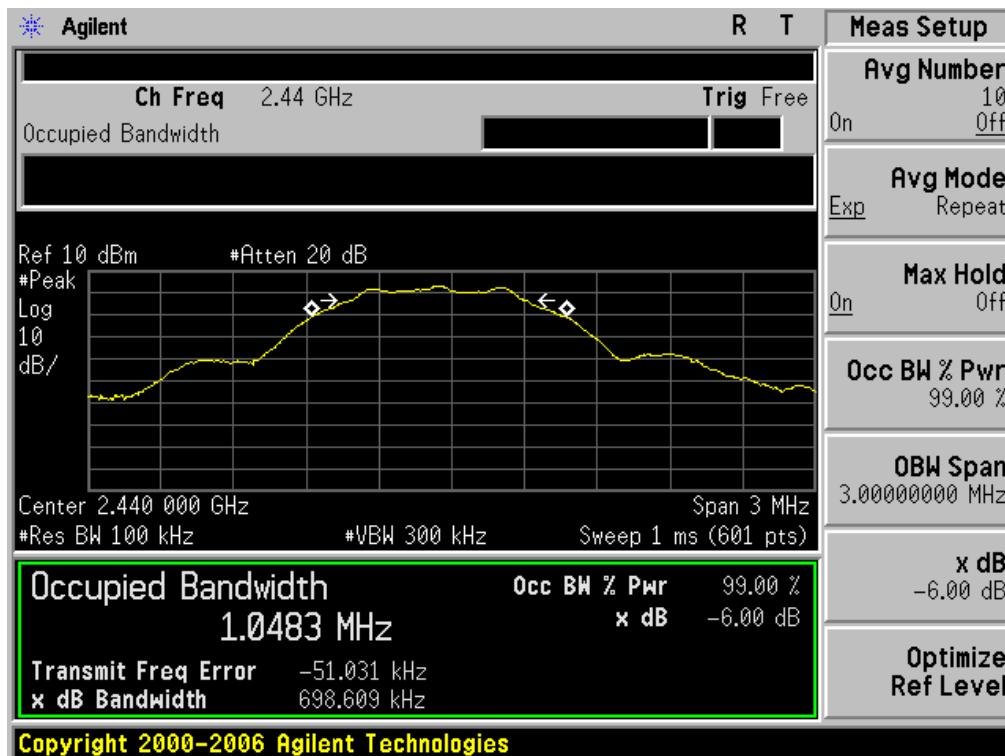
### 9.3. SUMMARY OF TEST RESULTS/PLOTS

Channel	6dB Bandwidth (KHz)	Minimum Limit (KHz)	Pass/Fail
Low	697.931	500KHz	Pass
Middle	698.609		Pass
High	704.223		Pass

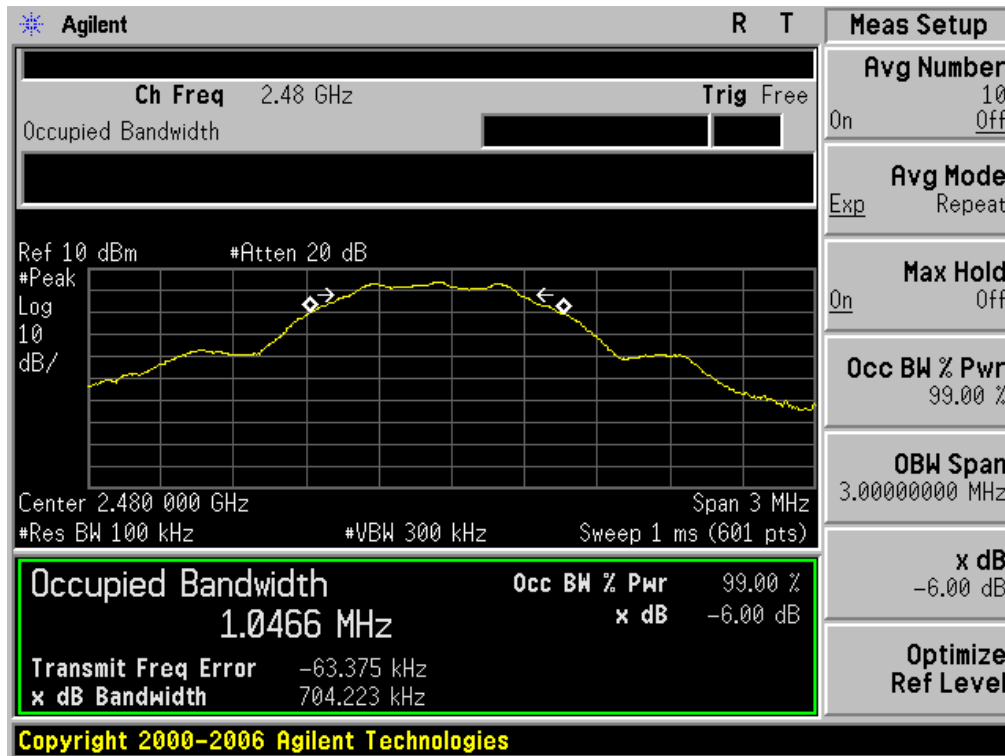
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



## 10. CONDUCTED OUTPUT POWER

### 10.1. MEASUREMENT PROCEDURE

For peak power test:

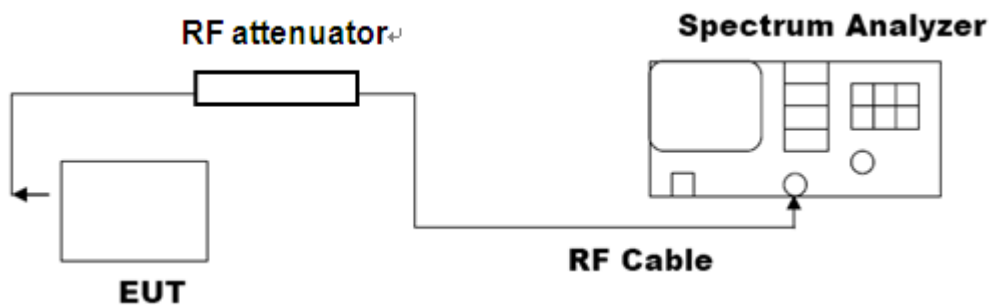
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
3. Set the EUT Work on the top, middle and the bottom operation frequency individually.
4. Use the following spectrum analyzer settings:
  - Set the RBW = 1 MHz
  - Set the VBW  $\geq$  3 RBW
  - Set the span  $\geq$  1.5 x DTS bandwidth
  - Detector = peak
  - Sweep time = auto couple
  - Trace mode = max hold
5. Allow the trace to stabilize. Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges.
6. Record the result form the Spectrum Analyzer.

For average power test:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Connect EUT RF output port to power probe through an RF attenuator.
3. Connect the power probe to the PC.
4. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
5. Record the maximum power from the software.
6. The maximum peak power shall be less 1 Watt (30dBm).

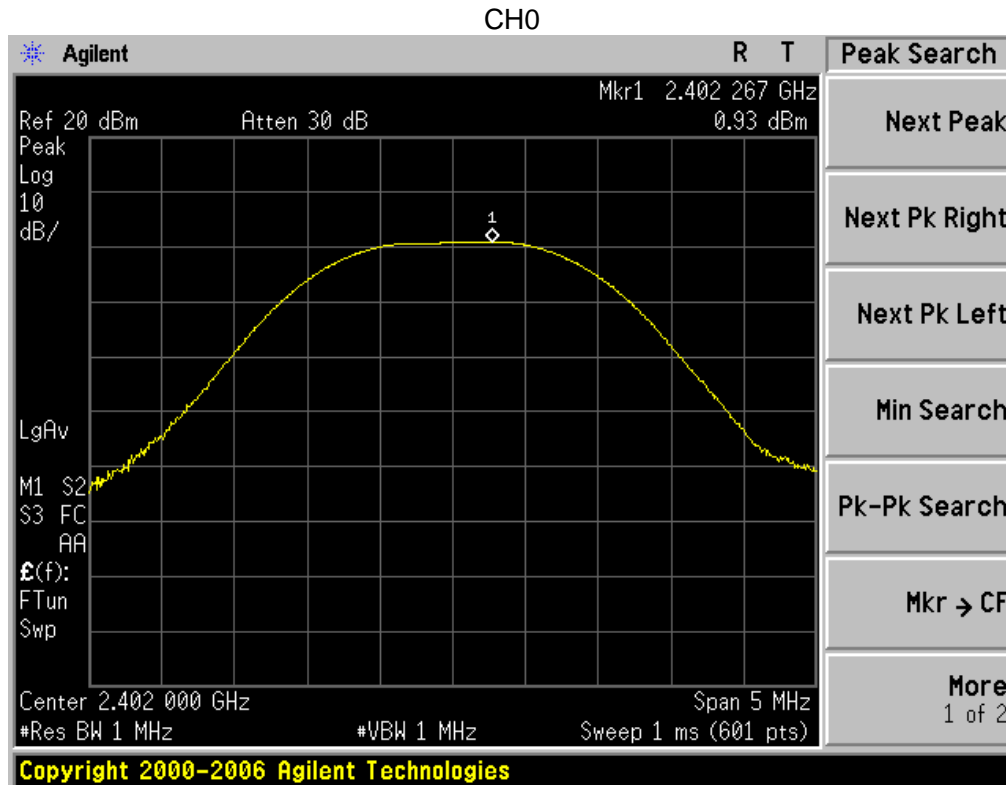
**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

### 10.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

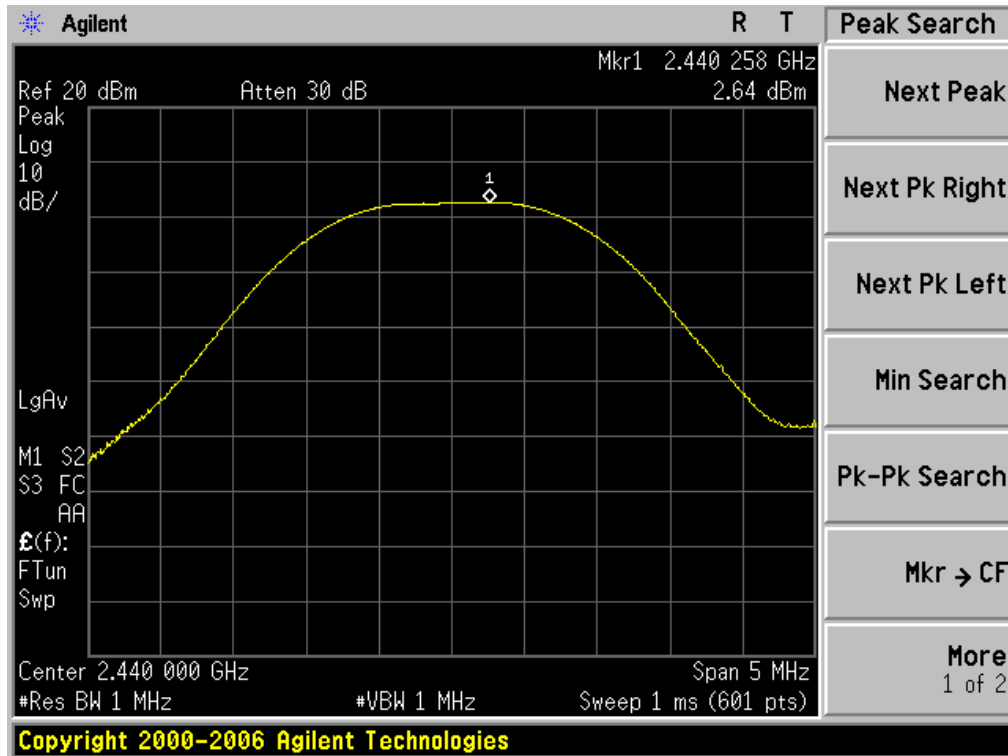


10.3. LIMITS AND MEASUREMENT RESULT

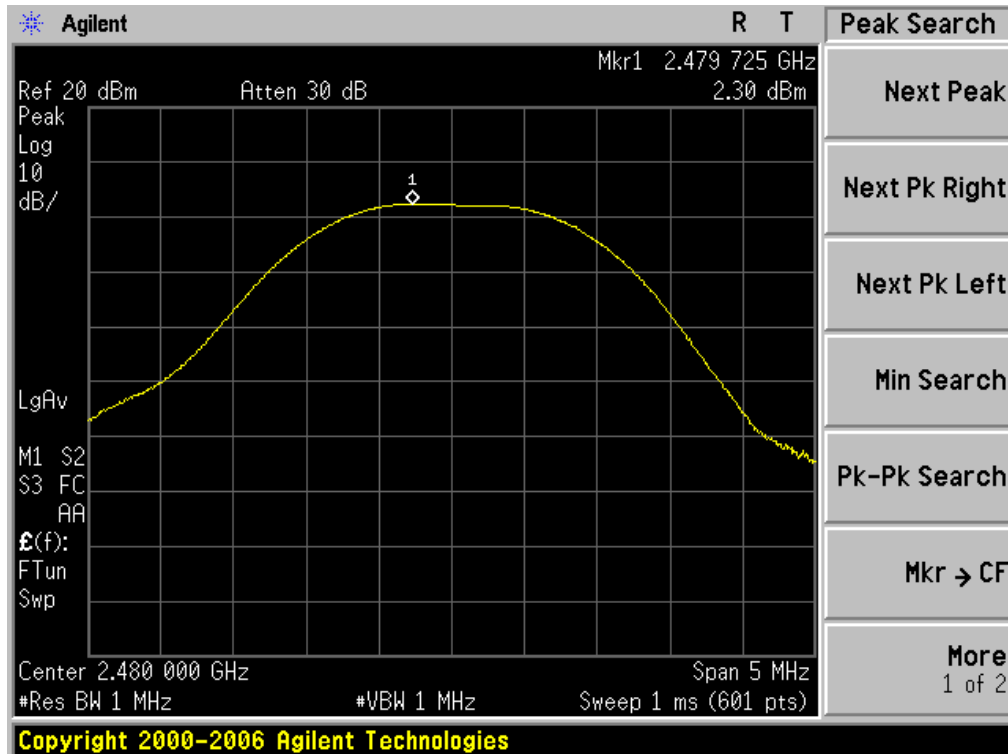
Channel	Peak Power (dBm)	Applicable Limits (dBm)	Pass/Fail
Low Channel	0.93	20	Pass
Middle Channel	2.64	20	Pass
High Channel	2.30	20	Pass



CH39



CH78



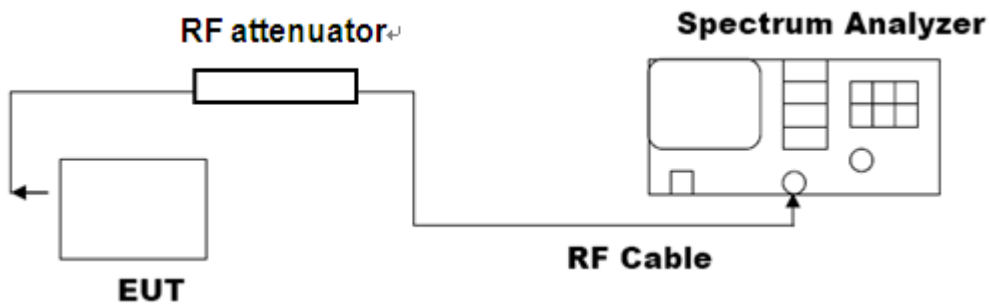
## 11. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

### 11.1 MEASUREMENT PROCEDURE

- (1). The EUT was placed on a turn table which is 0.8m above ground plane.
- (2). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (3). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (4). Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

### 11.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



### 11.3 MEASUREMENT EQUIPMENT USED

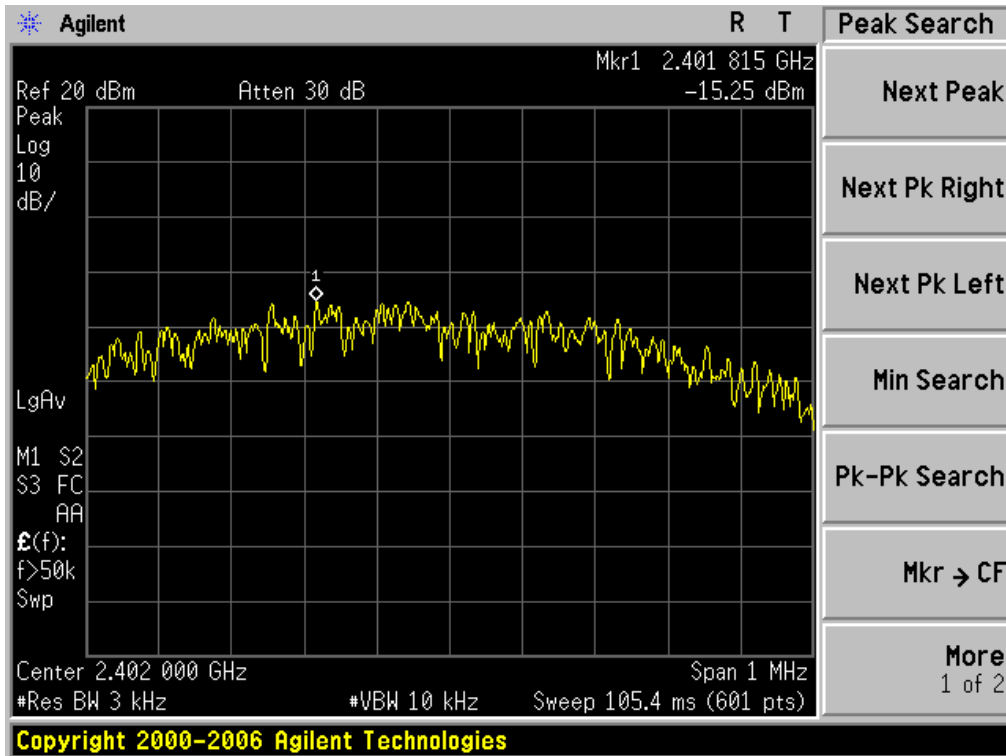
Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
PSA SERIES SPECTRUM ANALYZER	AGILENT	E4440A	US41421290	07/17/2013	07/16/2014
RECEIVER ANTENNA	ETS	2175	57337	07/17/2013	07/16/2014

### 11.4 LIMITS AND MEASUREMENT RESULT

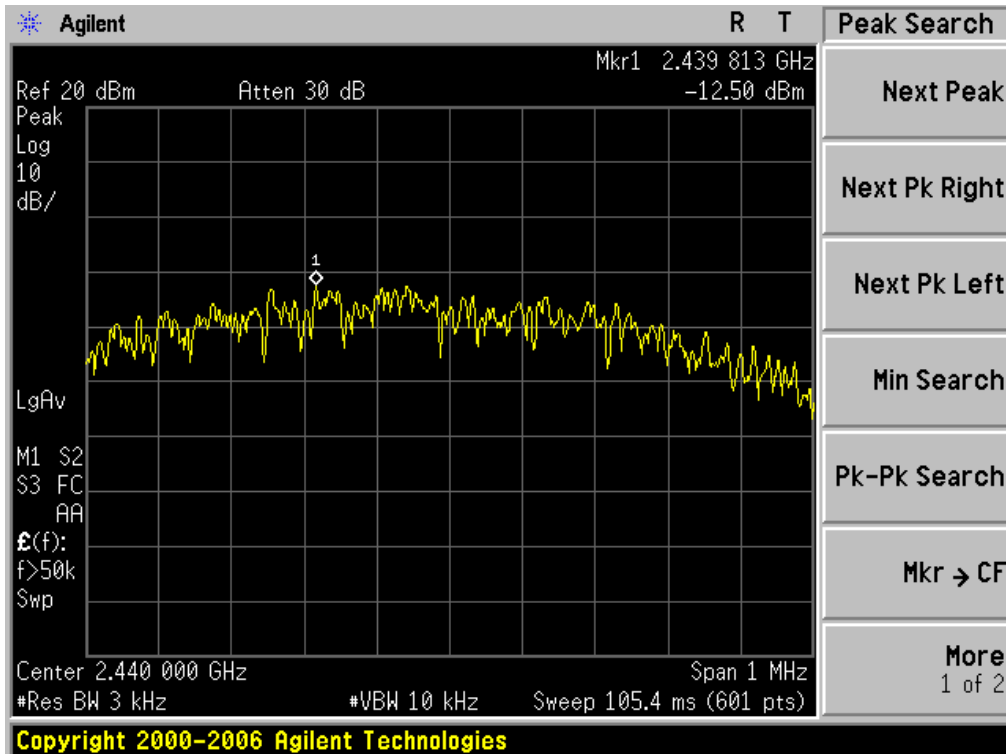
Channel No.	PSD (dBm)	Limit (dBm)	Result
Low Channel	-15.25	8	Pass
Middle Channel	-12.50	8	Pass
High Channel	-11.36	8	Pass



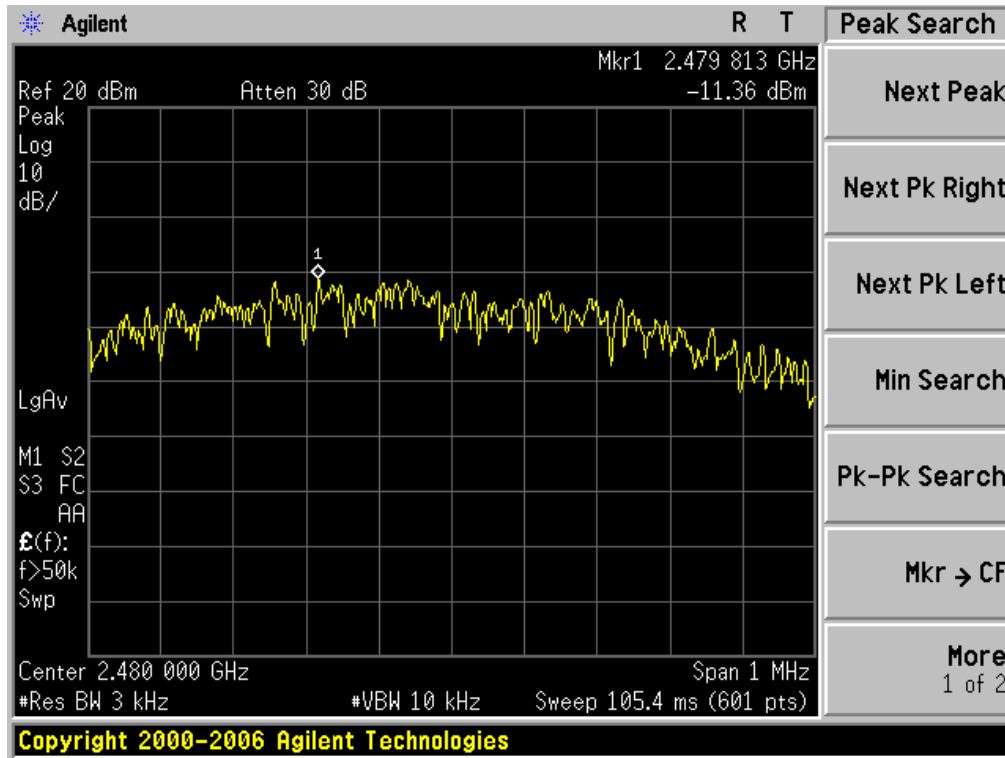
TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



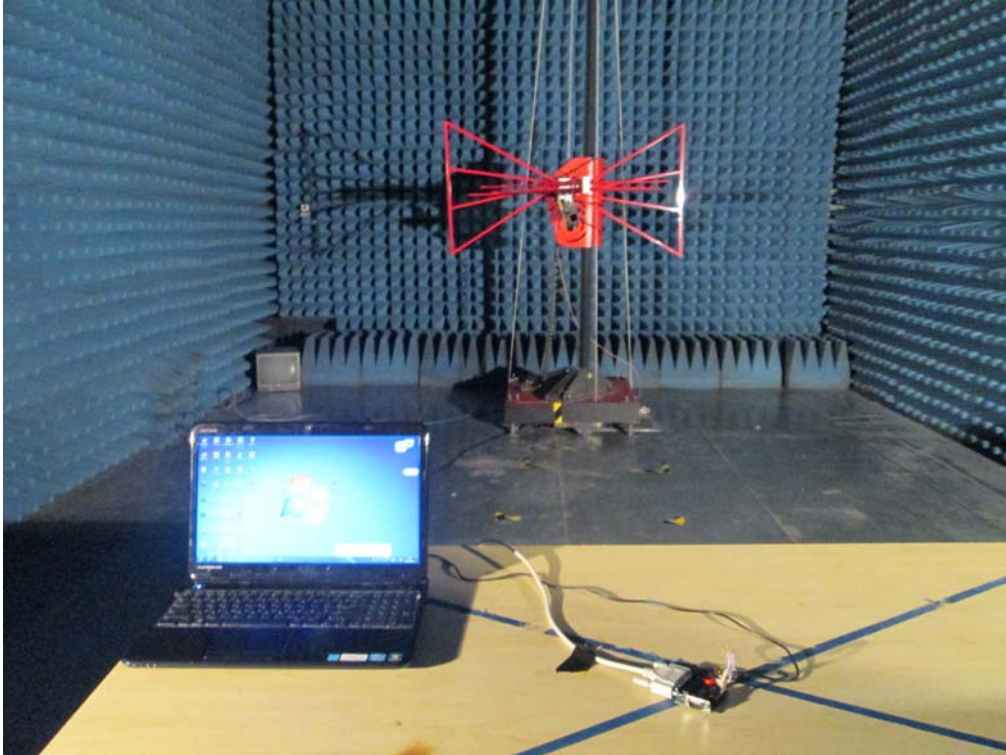
TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



**APPENDIX A: PHOTOGRAPHS OF TEST SETUP**  
FCC RADIATED EMISSION TEST SETUP



## APPENDIX B: PHOTOGRAPHS OF EUT

TOTAL VIEW OF EUT



TOP VIEW OF EUT



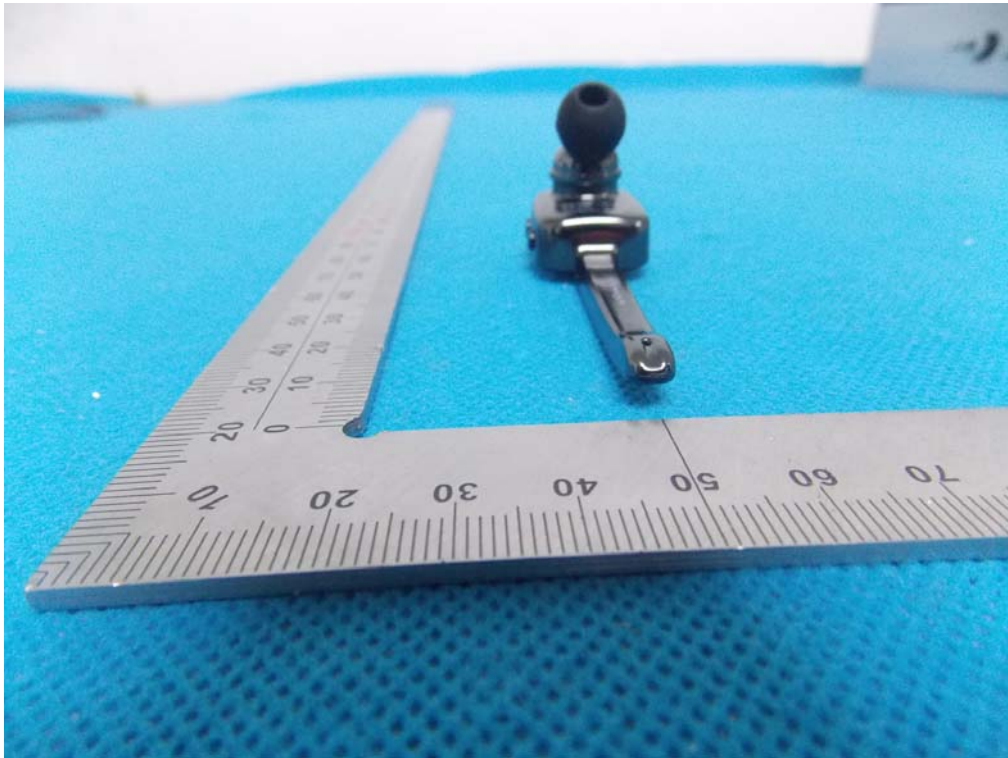
BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



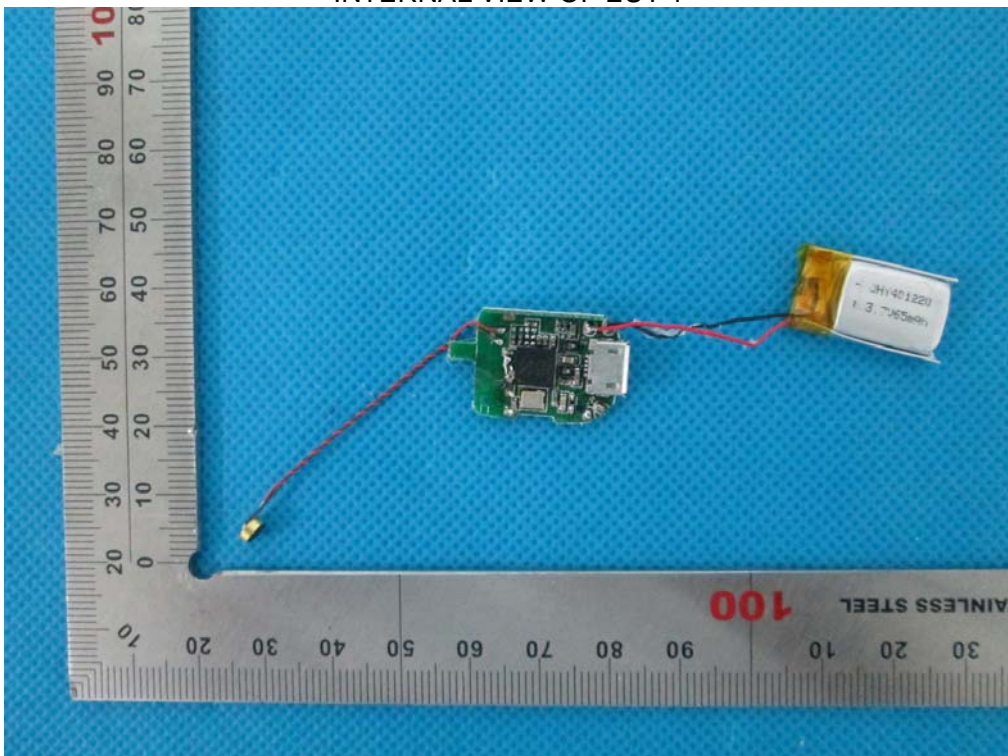
LEFT VIEW OF EUT



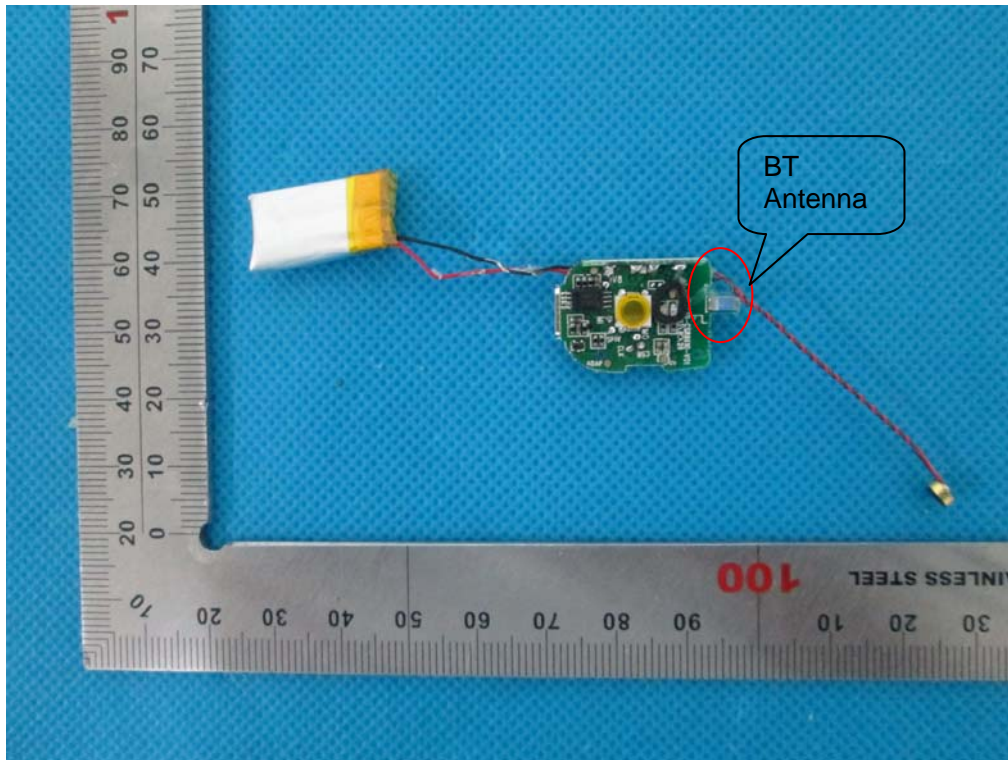
RIGHT VIEW OF EUT



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



----END OF REPORT----