

APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
GOOD EVER TRADING LIMITED

Bluetooth headphone
Model No.: CB-BH200, PBT103

FCC ID: 2AM7T-CB-BH200

Prepared for : GOOD EVER TRADING LIMITED
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Report No. : ATE20172075
Date of Test : October 23-25, 2017
Date of Report : October 26, 2017

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Test Report Certification

Applicant : GOOD EVER TRADING LIMITED
Manufacturer : GOOD EVER TRADING LIMITED
EUT Description : Bluetooth headphone
Model No. : CB-BH200, PBT103
Trade Mark : n.a.

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247: 2016
ANSI C63.10: 2013**

The EUT was tested according to DTS test procedure of Apr 05, 2017 KDB558074 D01 DTS Meas Guidance v04 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : October 23-25, 2017
Date of Report: October 26, 2017

Prepared by : Bob Wang
(Bob Wang, Engineer)

Approved & Authorized Signer : Sean Liu
(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Bluetooth headphone
Model Number	:	CB-BH200, PBT103
		(Note: We hereby state that these models are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. So we prepare the CB-BH200 for test.)
Trade Mark	:	n.a.
Bluetooth version	:	BT V4.2 LE
Frequency Range	:	2402MHz-2480MHz
Number of Channels	:	40
Antenna Gain	:	1dBi
Antenna type	:	Integral Antenna
Power Supply	:	DC 3.7V & DC 5V(Power by USB port)
Modulation mode	:	GFSK
Applicant	:	GOOD EVER TRADING LIMITED
Address	:	RM 1701, Zhuoyue Building, Fuhua Yi Rd., Futian Central Zone, Shenzhen, China
Manufacturer	:	GOOD EVER TRADING LIMITED
Address	:	RM 1701, Zhuoyue Building, Fuhua Yi Rd., Futian Central Zone, Shenzhen, China
Date of sample received	:	October 20, 2017
Date of Test	:	October 23-25, 2017

1.2.Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

1.3.Special Accessory and Auxiliary Equipment

Adapter: Model:BEK-QC-001
 INPUT: 120V~60Hz
 OUTPUT:5V/1A

1.4. Description of Test Facility

EMC Lab	:	Recognition of accreditation by Federal Communications Commission (FCC) The Designation Number is CN1189 The Registration Number is 708358
		Listed by Innovation, Science and Economic Development Canada (ISED) The Registration Number is 5077A-2
		Accredited by China National Accreditation Service for Conformity Assessment (CNAS) The Registration Number is CNAS L3193
		Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 4297.01
Name of Firm	:	Shenzhen Accurate Technology Co., Ltd.
Site Location	:	1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

1.5. Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 7, 2017	1 Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 7, 2017	1 Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 7, 2017	1 Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 7, 2017	1 Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 13, 2017	1 Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 13, 2017	1 Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 13, 2017	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 13, 2017	1 Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 7, 2017	1 Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 7, 2017	1 Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 7, 2017	1 Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 7, 2017	1 Year

3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

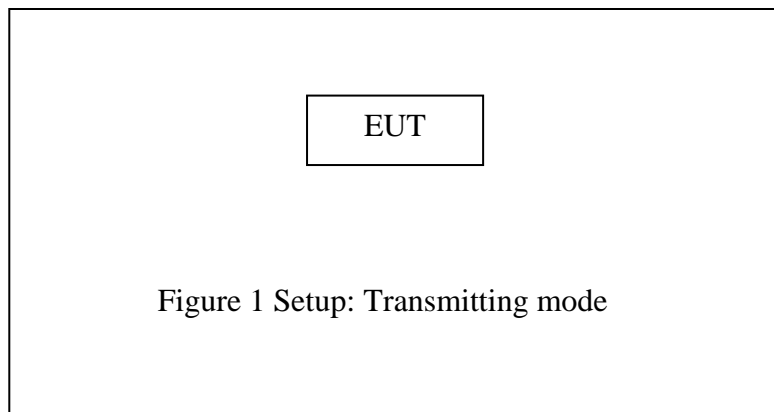
The mode is used: **BLE Transmitting mode**

Low Channel: 2402MHz

Middle Channel: 2440MHz

High Channel: 2480MHz

3.2. Configuration and peripherals



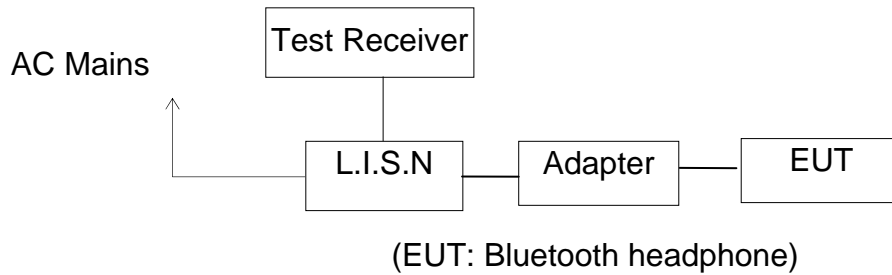
4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant

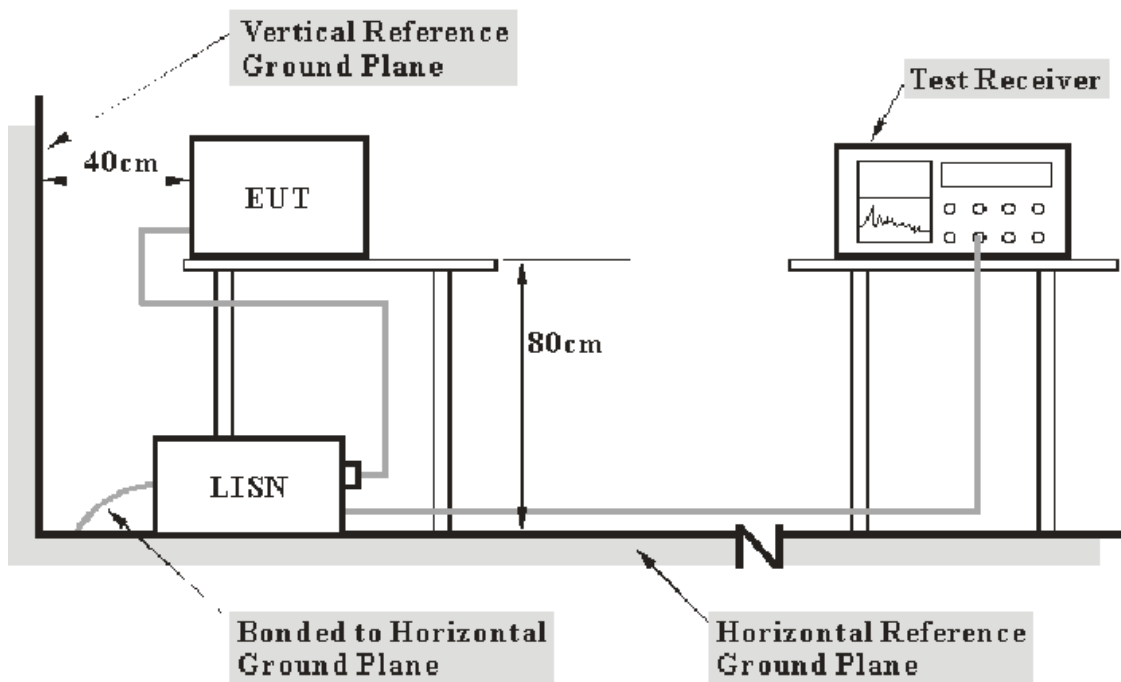
5. POWER LINE CONDUCTED MEASUREMENT

5.1. Block Diagram of Test

5.1.1. Block diagram of connection between the EUT and simulators



5.1.2. Test System Setup



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

5.2. Power Line Conducted Emission Measurement Limits

Frequency (MHz)	Limit dB(μ V)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

NOTE1: The lower limit shall apply at the transition frequencies.
 NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

5.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

5.4. Operating Condition of EUT

5.4.1. Setup the EUT and simulator as shown as Section 5.1.

5.4.2. Turn on the power of all equipment.

5.4.3. Let the EUT work in test mode and measure it.

5.5. Test Procedure

The EUT is put on the plane 0.8 m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

5.6.Data Sample

Frequency (MHz)	Transducer value (dB)	QuasiPeak Level (dB μ V)	Average Level (dB μ V)	QuasiPeak Limit (dB μ V)	Average Limit (dB μ V)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.150000	10.8	42.00	36.50	66.0	56.0	24.0	19.5	Pass

Frequency(MHz) = Emission frequency in MHz

Transducer value(dB) = Insertion loss of LISN + Cable Loss

Level(dB μ V) = Quasi-peak Reading/Average Reading + Transducer value

Limit (dB μ V) = Limit stated in standard

Margin = Limit (dB μ V) - Level (dB μ V)

Calculation Formula:

Margin = Limit (dB μ V) - Level (dB μ V)

5.7. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode : Charging AC 120V/60Hz EUT mode : CB-BH200								
MEASUREMENT RESULT: "2075-1_fin"								
2017-10-23 10:01								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.150000	42.00	10.8	66	24.0	QP	N	GND	
0.458000	31.30	11.0	57	25.4	QP	N	GND	
1.510000	34.50	11.2	56	21.5	QP	N	GND	
2.025000	33.20	11.3	56	22.8	QP	N	GND	
2.150000	32.10	11.3	56	23.9	QP	N	GND	
18.265000	31.30	11.7	60	28.7	QP	N	GND	
MEASUREMENT RESULT: "2075-1_fin2"								
2017-10-23 10:01								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.150000	36.50	10.8	56	19.5	AV	N	GND	
0.762000	26.50	11.1	46	19.5	AV	N	GND	
1.444000	28.90	11.2	46	17.1	AV	N	GND	
2.005000	27.70	11.3	46	18.3	AV	N	GND	
2.140000	26.40	11.3	46	19.6	AV	N	GND	
5.315000	23.60	11.4	50	26.4	AV	N	GND	
MEASUREMENT RESULT: "2075-2_fin"								
2017-10-23 10:04								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.324000	33.70	10.9	60	25.9	QP	L1	GND	
0.434000	35.90	11.0	57	21.3	QP	L1	GND	
1.752000	34.10	11.2	56	21.9	QP	L1	GND	
2.135000	32.40	11.3	56	23.6	QP	L1	GND	
5.425000	29.80	11.5	60	30.2	QP	L1	GND	
18.520000	30.20	11.7	60	29.8	QP	L1	GND	
MEASUREMENT RESULT: "2075-2_fin2"								
2017-10-23 10:04								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.150000	36.50	10.8	56	19.5	AV	L1	GND	
0.774000	30.20	11.1	46	15.8	AV	L1	GND	
1.800000	30.00	11.2	46	16.0	AV	L1	GND	
2.145000	26.70	11.3	46	19.3	AV	L1	GND	
5.370000	22.90	11.5	50	27.1	AV	L1	GND	
18.745000	22.70	11.7	50	27.3	AV	L1	GND	

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

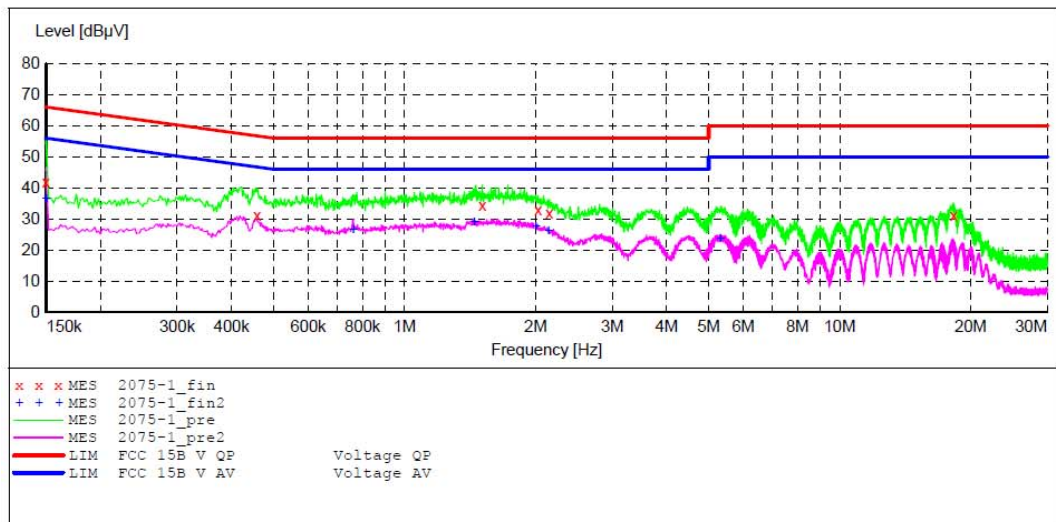
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART15 B

EUT: Bluetooth headphone M/N:CB_BH200
 Manufacturer: GOOD EVER TRADING LIMITED
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: Frank
 Test Specification: N 120V/60Hz
 Comment: Report NO.:ATE20172075
 Start of Test: 2017-10-23 / 9:58:07

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "2075-1_fin"

2017-10-23 10:01

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	42.00	10.8	66	24.0	QP	N	GND
0.458000	31.30	11.0	57	25.4	QP	N	GND
1.510000	34.50	11.2	56	21.5	QP	N	GND
2.025000	33.20	11.3	56	22.8	QP	N	GND
2.150000	32.10	11.3	56	23.9	QP	N	GND
18.265000	31.30	11.7	60	28.7	QP	N	GND

MEASUREMENT RESULT: "2075-1_fin2"

2017-10-23 10:01

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	36.50	10.8	56	19.5	AV	N	GND
0.762000	26.50	11.1	46	19.5	AV	N	GND
1.444000	28.90	11.2	46	17.1	AV	N	GND
2.005000	27.70	11.3	46	18.3	AV	N	GND
2.140000	26.40	11.3	46	19.6	AV	N	GND
5.315000	23.60	11.4	50	26.4	AV	N	GND

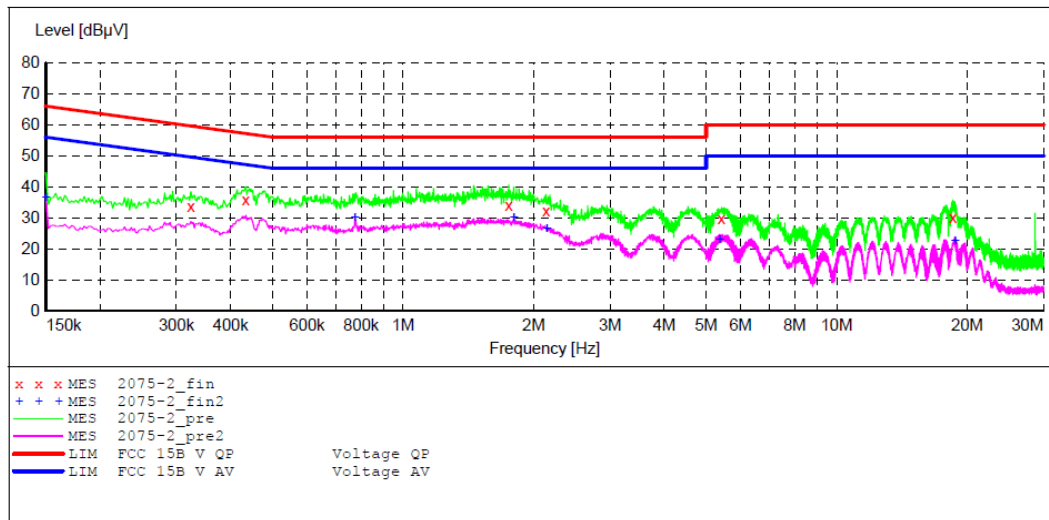
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART15 B

EUT: Bluetooth headphone M/N:CB_BH200
 Manufacturer: GOOD EVER TRADING LIMITED
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: Frank
 Test Specification: L 120V/60Hz
 Comment: Report NO.:ATE20172075
 Start of Test: 2017-10-23 / 10:02:11

SCAN TABLE: "V 150K-30MHZ fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "2075-2_fin"

2017-10-23 10:04

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.324000	33.70	10.9	60	25.9	QP	L1	GND
0.434000	35.90	11.0	57	21.3	QP	L1	GND
1.752000	34.10	11.2	56	21.9	QP	L1	GND
2.135000	32.40	11.3	56	23.6	QP	L1	GND
5.425000	29.80	11.5	60	30.2	QP	L1	GND
18.520000	30.20	11.7	60	29.8	QP	L1	GND

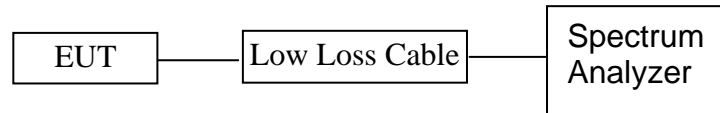
MEASUREMENT RESULT: "2075-2_fin2"

2017-10-23 10:04

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	36.50	10.8	56	19.5	AV	L1	GND
0.774000	30.20	11.1	46	15.8	AV	L1	GND
1.800000	30.00	11.2	46	16.0	AV	L1	GND
2.145000	26.70	11.3	46	19.3	AV	L1	GND
5.370000	22.90	11.5	50	27.1	AV	L1	GND
18.745000	22.70	11.7	50	27.3	AV	L1	GND

6. 6DB BANDWIDTH MEASUREMENT

6.1. Block Diagram of Test Setup



(EUT: Bluetooth headphone)

6.2. The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

6.3. EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

6.5. Test Procedure

6.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

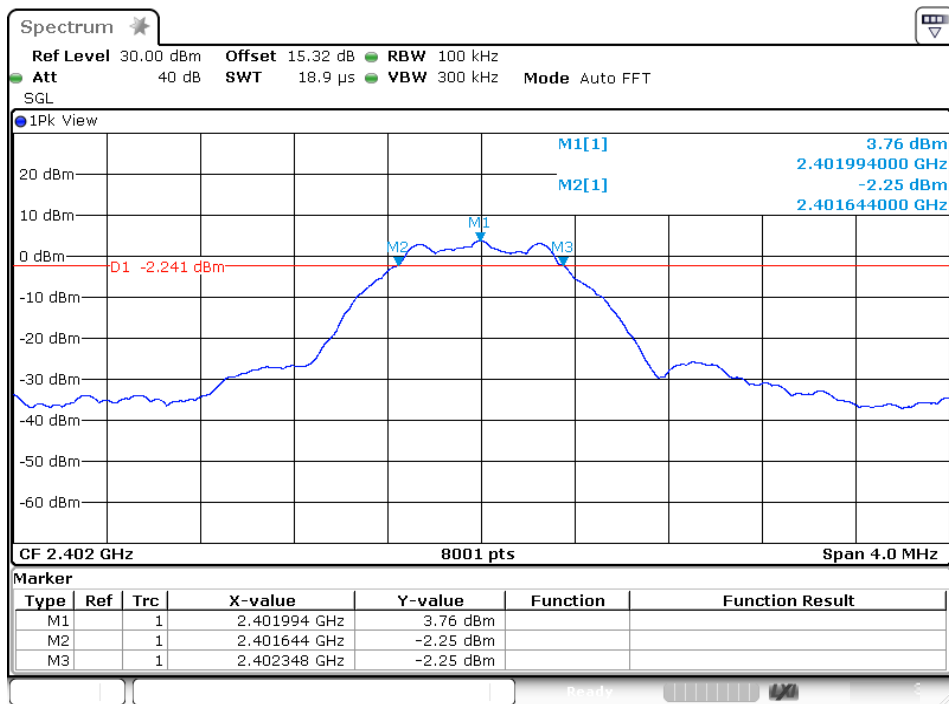
6.5.3. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

6.6. Test Result

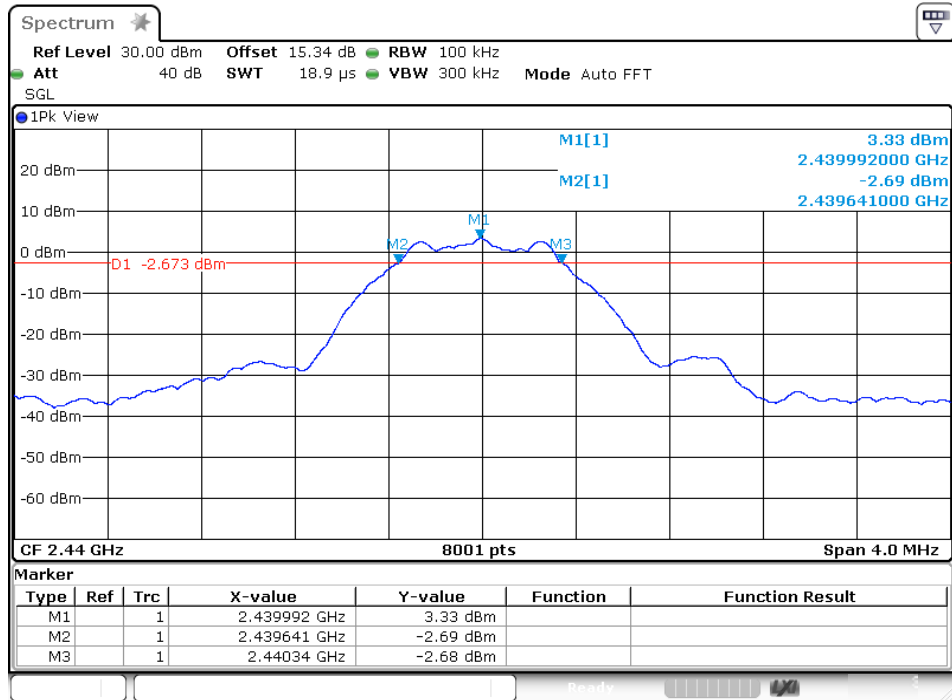
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit(MHz)	PASS/FAIL
0	2402	0.704	0.5	PASS
19	2440	0.699	0.5	PASS
39	2480	0.697	0.5	PASS

The spectrum analyzer plots are attached as below.

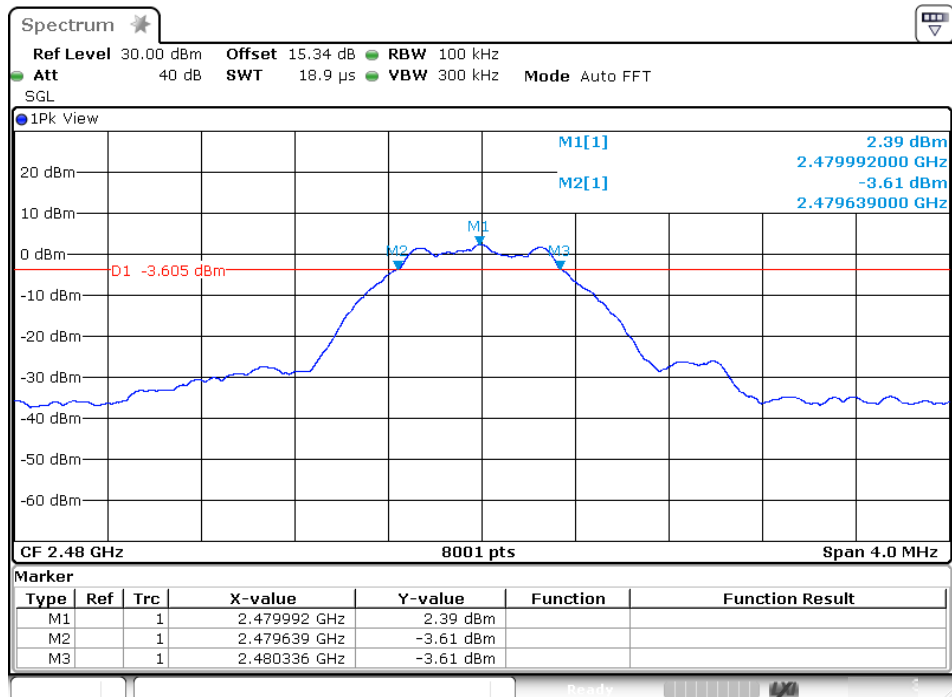
channel 0



channel 19

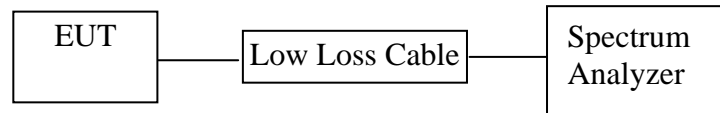


channel 39



7. MAXIMUM PEAK OUTPUT POWER

7.1. Block Diagram of Test Setup



(EUT: Bluetooth headphone)

7.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

7.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

7.5. Test Procedure

7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Set RBW of spectrum analyzer to 3 MHz and VBW to 3 MHz.

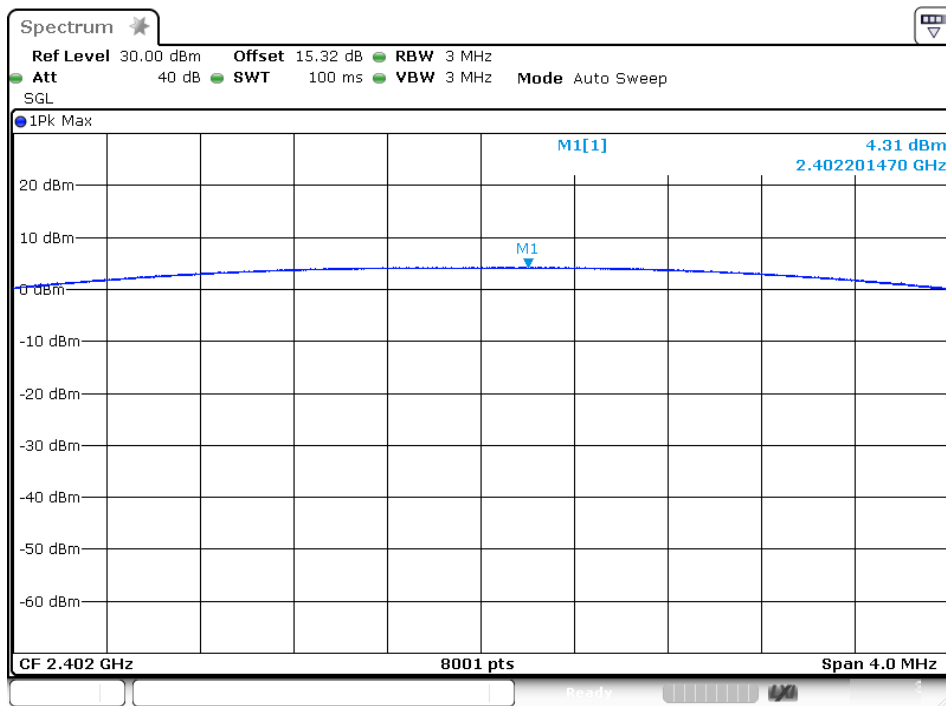
7.5.3. Measurement the maximum peak output power.

7.6. Test Result

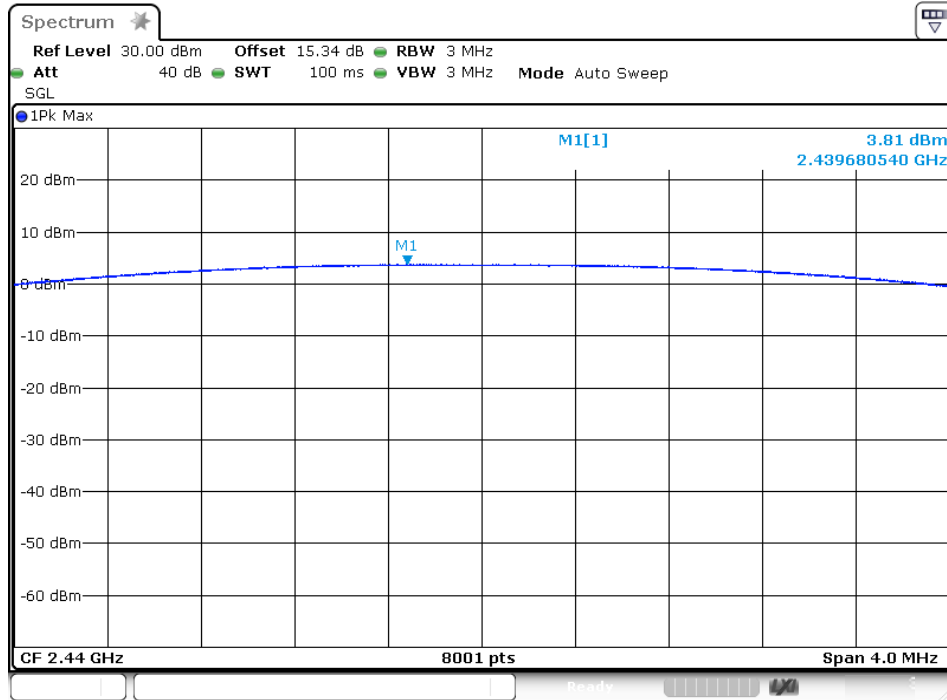
Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
0	2402	4.31	30	PASS
19	2440	3.81	30	PASS
39	2480	2.94	30	PASS

The spectrum analyzer plots are attached as below.

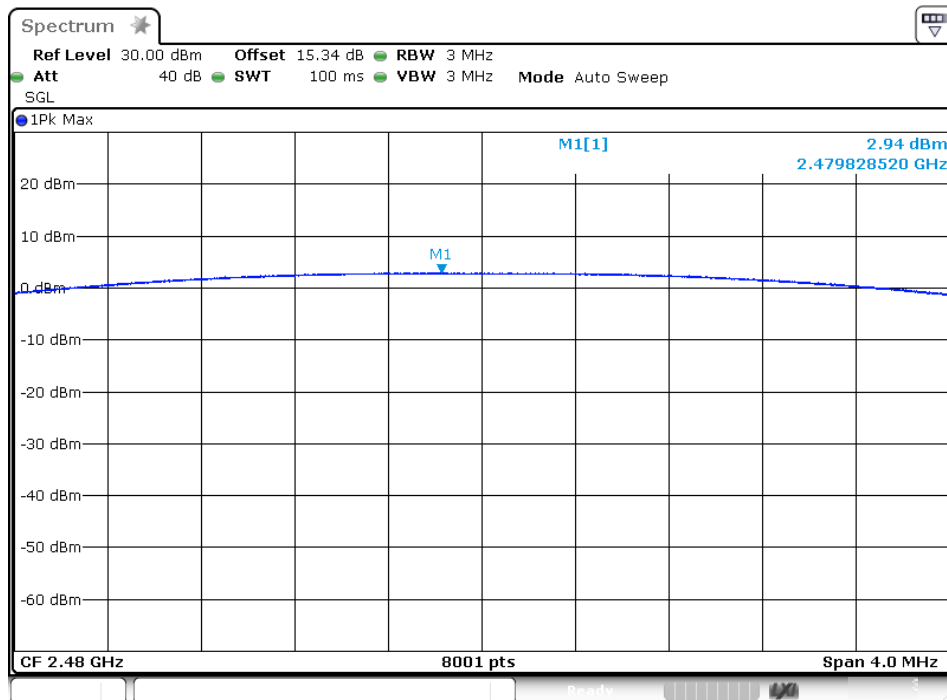
channel 0



channel 19

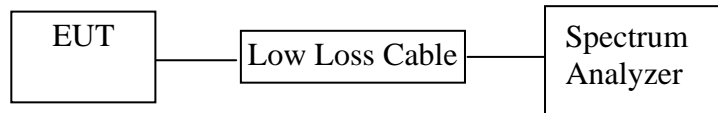


channel 39



8. POWER SPECTRAL DENSITY MEASUREMENT

8.1. Block Diagram of Test Setup



(EUT: Bluetooth headphone)

8.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

8.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.4. Operating Condition of EUT

8.4.1. Setup the EUT and simulator as shown as Section 8.1.

8.4.2. Turn on the power of all equipment.

8.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

8.5. Test Procedure

8.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

8.5.2. Measurement Procedure PKPSD:

8.5.3. This procedure must be used if maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit, and is optional if the maximum (average) conducted output power was used to demonstrate compliance.

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

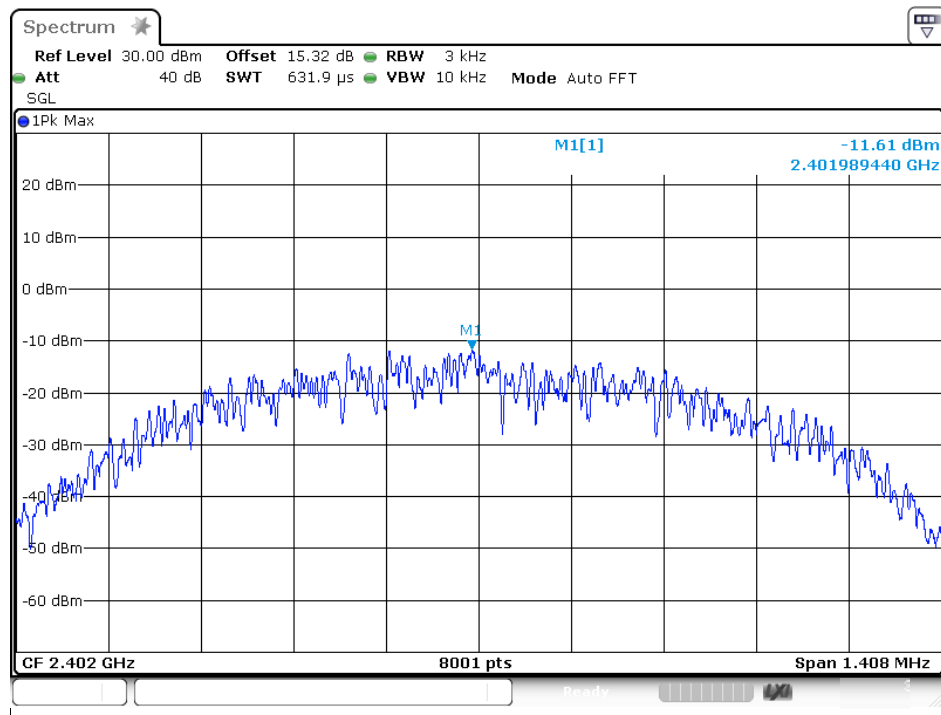
8.5.4. Measurement the maximum power spectral density.

8.6. Test Result

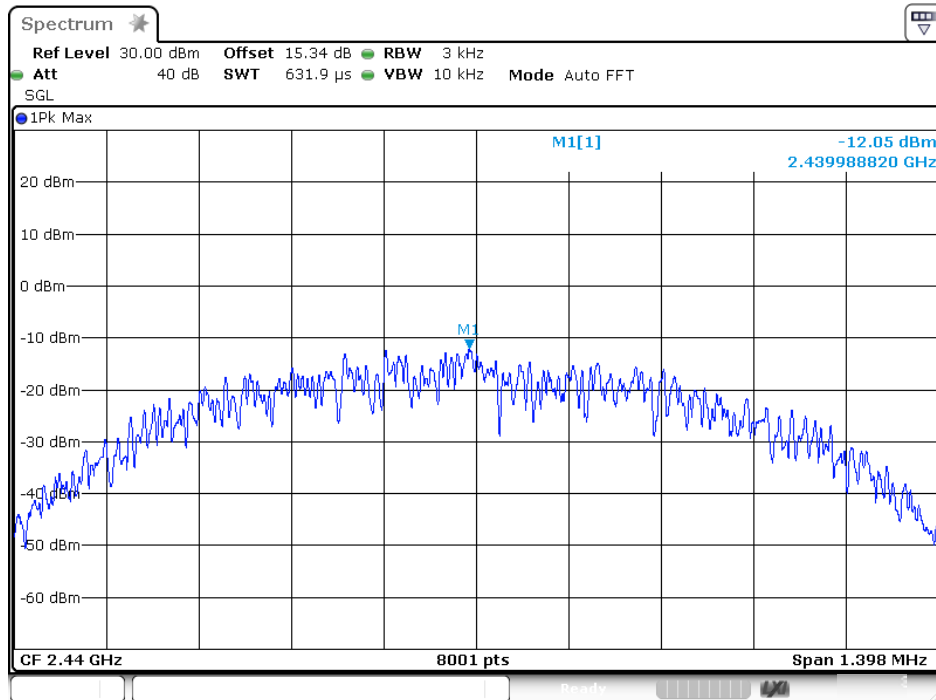
CHANNEL NUMBER	FREQUENCY (MHz)	PSD (dBm/3KHz)	LIMIT (dBm/3KHz)	PASS/FAIL
0	2402	-11.61	8	PASS
19	2440	-12.05	8	PASS
39	2480	-12.81	8	PASS

The spectrum analyzer plots are attached as below.

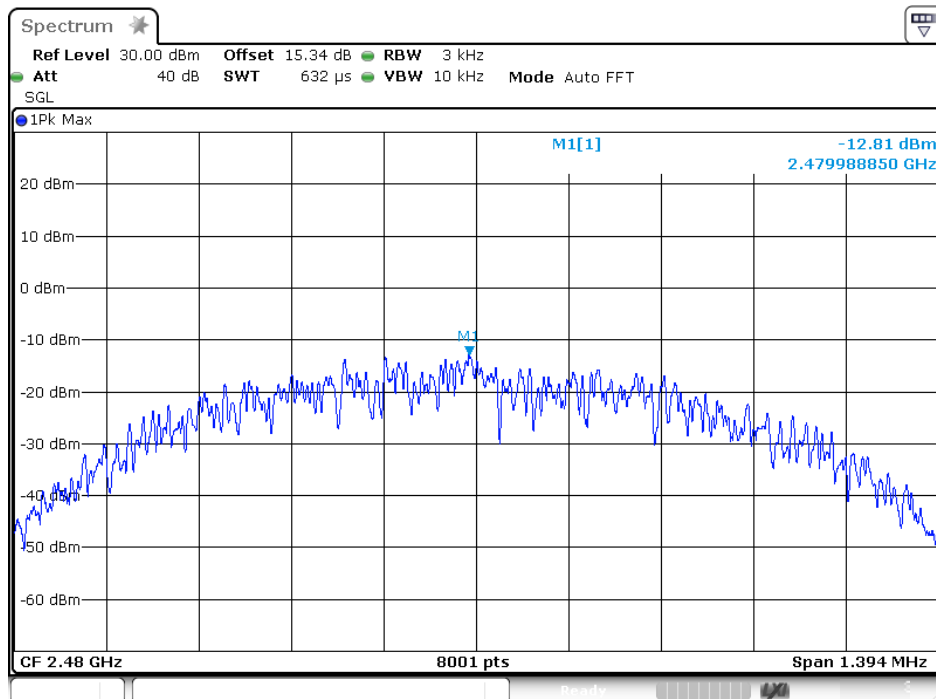
channel 0



channel 19

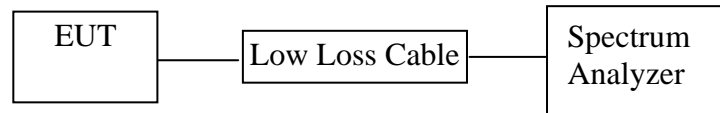


channel 39



9. BAND EDGE COMPLIANCE TEST

9.1. Block Diagram of Test Setup



(EUT: Bluetooth headphone)

9.2. The Requirement For Section 15.247(d)

Section 15.247(d): 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 Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

9.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

9.4. Operating Condition of EUT

9.4.1. Setup the EUT and simulator as shown as Section 9.1.

9.4.2. Turn on the power of all equipment.

9.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2480MHz TX frequency to transmit.

9.5. Test Procedure

Conducted Band Edge:

9.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

9.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

9.5.3. Radiate Band Edge:

9.5.4. The EUT is placed on a turntable, which is 0.1m above the ground plane and worked at highest radiated power.

9.5.5. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

9.5.6. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

9.5.7. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

9.5.8. RBW=100kHz, VBW=300kHz.

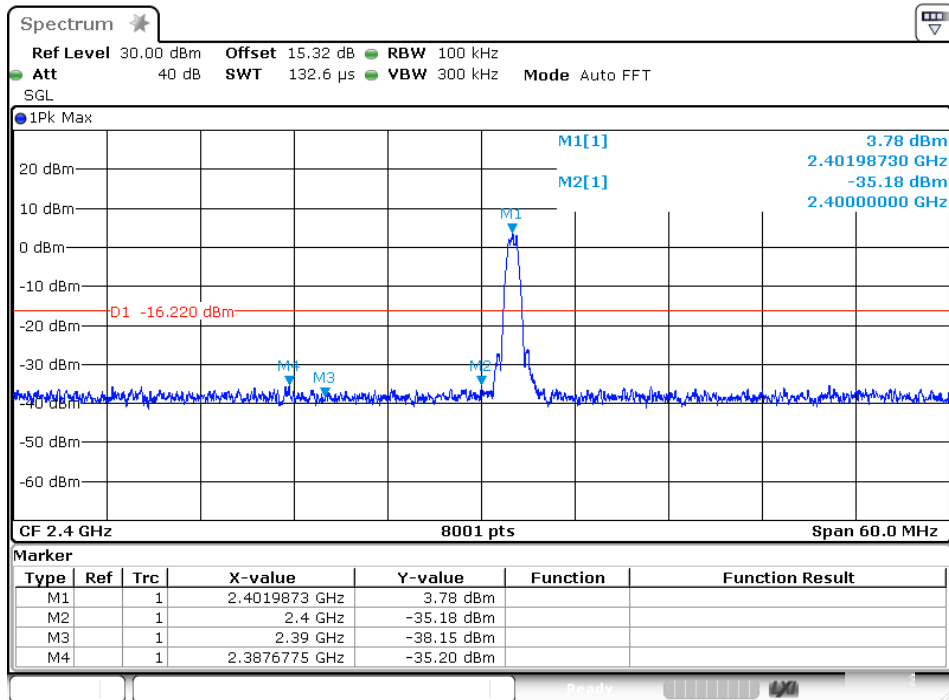
9.5.9. The band edges was measured and recorded.

9.6. Test Result

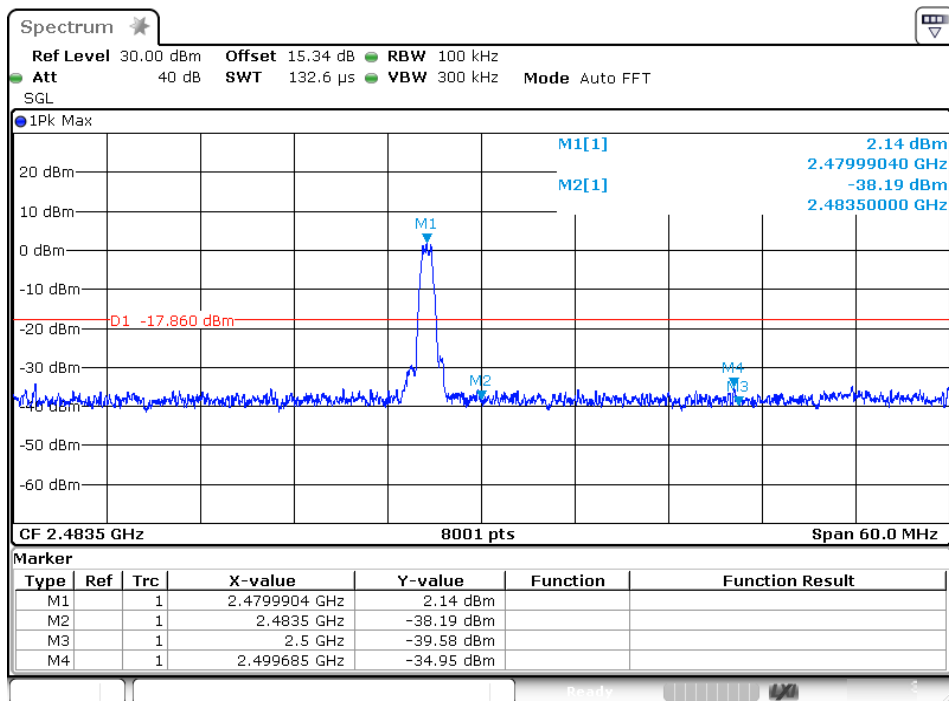
Pass

Channel	Frequency	Delta peak to band emission	Limit(dBc)
0	2.4GHz	31.40	20
39	2.4835GHz	36.05	20

channel 0



channel 39



Radiated Band Edge Result

Date of Test: <u>October 26, 2017</u>	Temperature: <u>25°C</u>
EUT: <u>Bluetooth headphone</u>	Humidity: <u>50%</u>
Model No.: <u>CB-BH200</u>	Power Supply: <u>AC 120V/60Hz</u>
Test Mode: <u>TX (2402MHz) GFSK</u>	Test Engineer: <u>Ding</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2390.000	39.15	43.76	-3.96	35.19	39.80	54.00	74.00	-18.81	-34.20	Vertical
2400.000	41.65	45.70	-3.91	37.74	41.79	54.00	74.00	-16.26	-32.21	Vertical
2390.000	35.15	39.46	-3.96	31.19	35.50	54.00	74.00	-22.81	38.50	Horizontal
2400.000	35.12	41.04	-3.91	31.21	37.13	54.00	74.00	-22.79	36.87	Horizontal

Date of Test: <u>October 26, 2017</u>	Temperature: <u>25°C</u>
EUT: <u>Bluetooth headphone</u>	Humidity: <u>50%</u>
Model No.: <u>CB-BH200</u>	Power Supply: <u>AC 120V/60Hz</u>
Test Mode: <u>TX (2480MHz) GFSK</u>	Test Engineer: <u>Ding</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	42.54	52.96	-3.50	39.04	49.46	54.00	74.00	-14.96	-24.54	Vertical
2500.000	35.42	43.23	-3.42	32.00	39.81	54.00	74.00	-22.00	-34.19	Vertical
2483.500	30.00	39.82	-3.50	26.50	36.32	54.00	74.00	-27.50	-37.68	Horizontal
2500.000	30.45	38.91	-3.42	27.03	35.49	54.00	74.00	-26.97	-38.51	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Job No.: frank2017 #1324

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2402MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

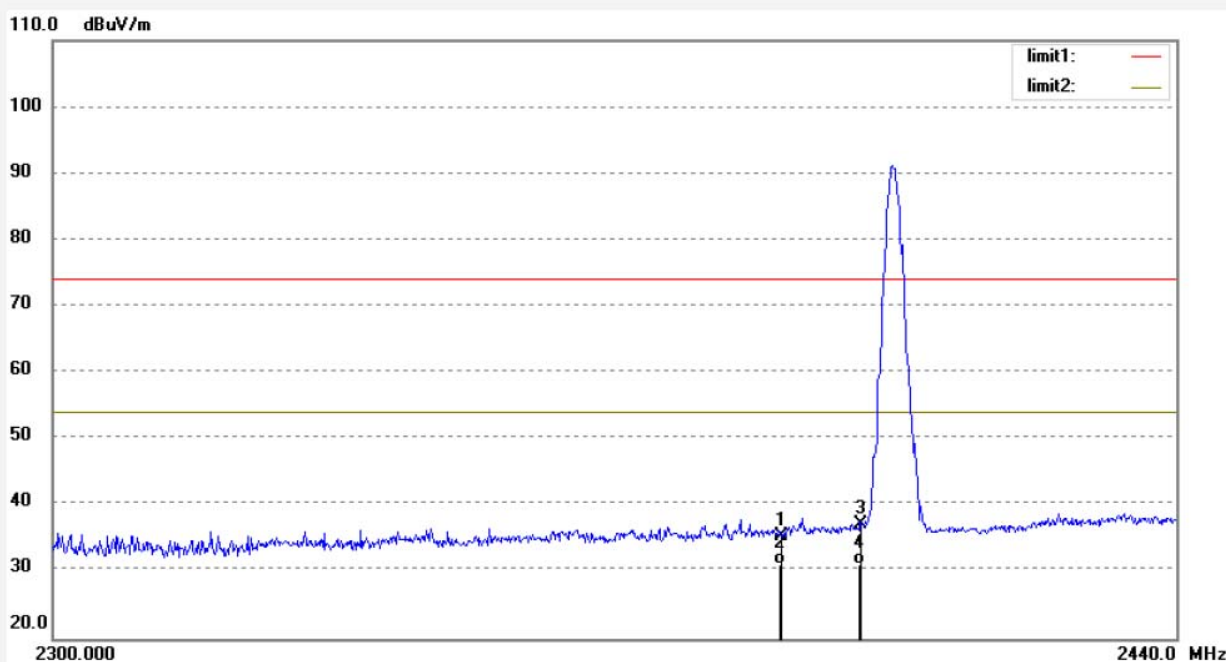
Date: 17/10/26/

Time: 9/07/05

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075

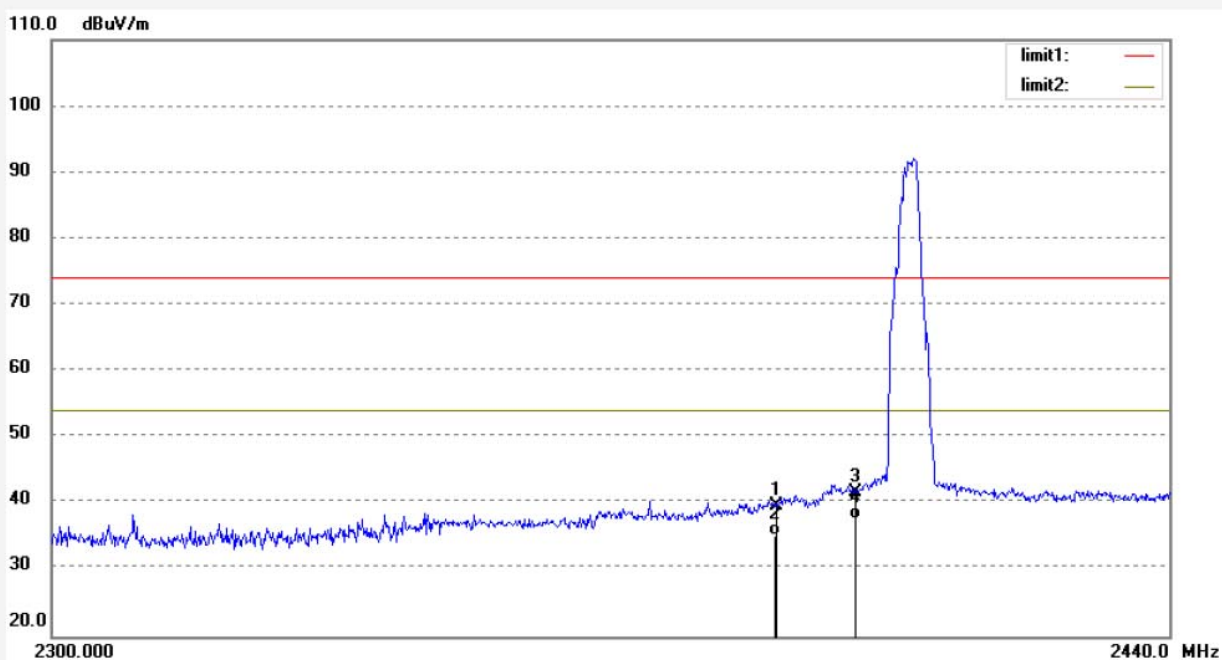


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	39.46	-3.96	35.50	74.00	-38.50	peak	200	159	
2	2390.000	35.15	-3.96	31.19	54.00	-22.81	AVG	200	159	
3	2400.000	41.04	-3.91	37.13	74.00	-36.87	peak	150	267	
4	2400.000	35.12	-3.91	31.21	54.00	-22.79	AVG	150	267	

Job No.: frank2017 #1325
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Bluetooth headphone
 Mode: TX2402MHz
 Model: CB-BH200
 Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
 Power Source: DC 3.7V
 Date: 17/10/26/
 Time: 9/10/41
 Engineer Signature: Frank
 Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	43.76	-3.96	39.80	74.00	-34.20	peak	250	157	
2	2390.000	39.15	-3.96	35.19	54.00	-18.81	AVG	250	157	
3	2400.000	45.70	-3.91	41.79	74.00	-32.21	peak	250	257	
4	2400.000	41.65	-3.91	37.74	54.00	-16.26	AVG	250	257	



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Job No.: frank2017 #1326

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth Headphone

Mode: TX2480MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

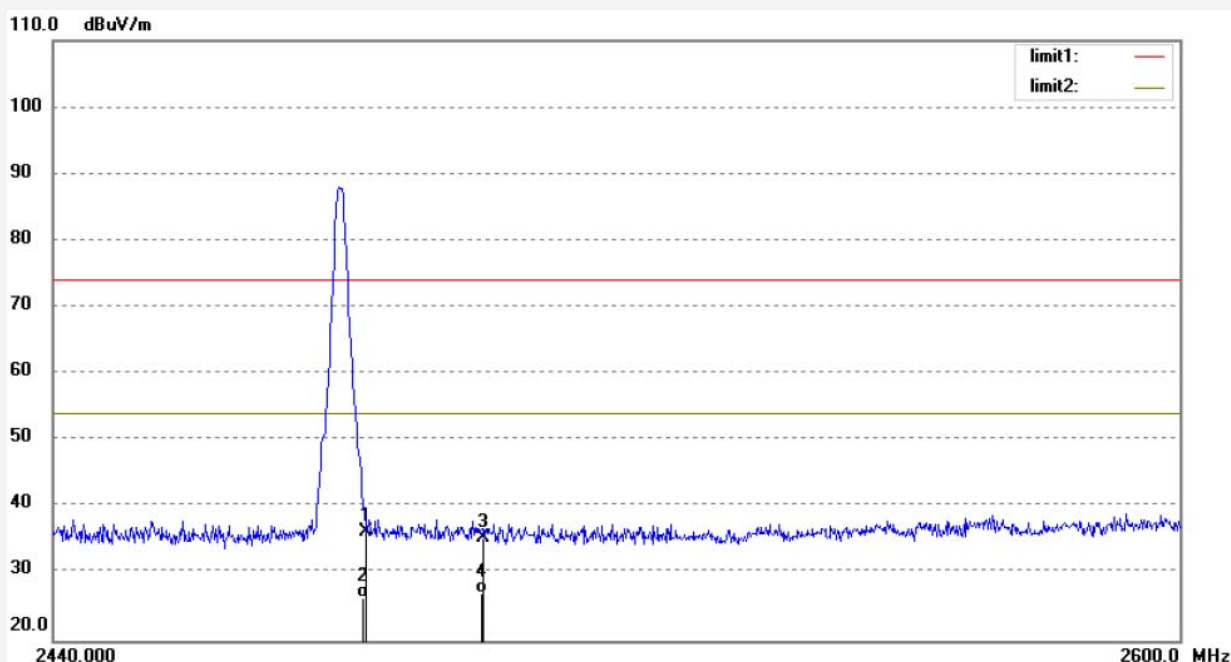
Date: 17/10/21/

Time: 16/10/40

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	39.82	-3.50	36.32	74.00	-37.68	peak	250	45	
2	2483.500	30.00	-3.50	26.50	54.00	-27.50	AVG	250	45	
3	2500.000	38.91	-3.42	35.49	74.00	-38.51	peak	300	276	
4	2500.000	30.45	-3.42	27.03	54.00	-26.97	AVG	300	276	

Job No.: frank2017 #1327

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth Headphone

Mode: TX2480MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical

Power Source: DC 3.7V

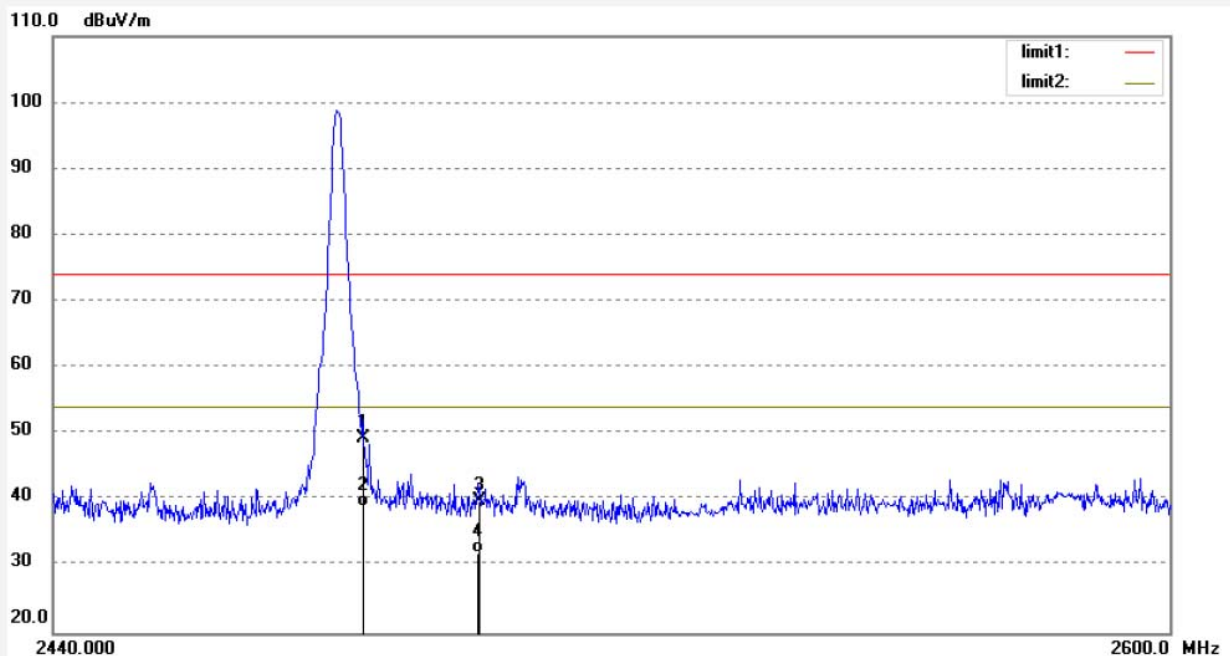
Date: 17/10/21/

Time: 16/12/01

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	52.96	-3.50	49.46	74.00	-24.54	peak	300	157	
2	2483.500	42.54	-3.50	39.04	54.00	-14.96	AVG	300	157	
3	2500.000	43.23	-3.42	39.81	74.00	-34.19	peak	300	37	
4	2500.000	35.42	-3.42	32.00	54.00	-22.00	AVG	300	37	

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

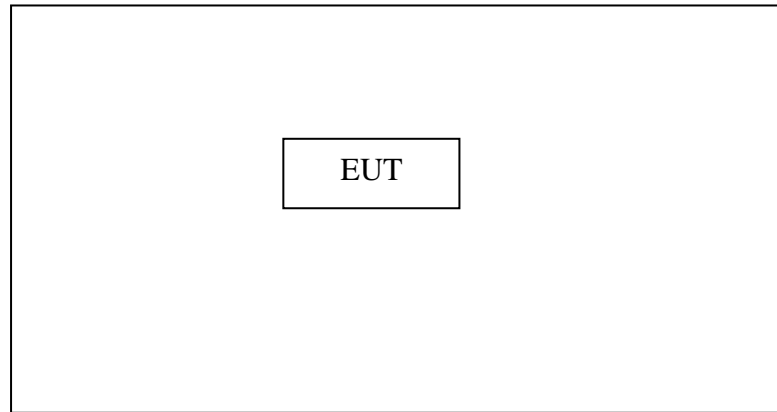
$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

3. Display the measurement of peak values.

10.RADIATED SPURIOUS EMISSION TEST

10.1.Block Diagram of Test Setup

10.1.1.Block diagram of connection between the EUT and peripherals

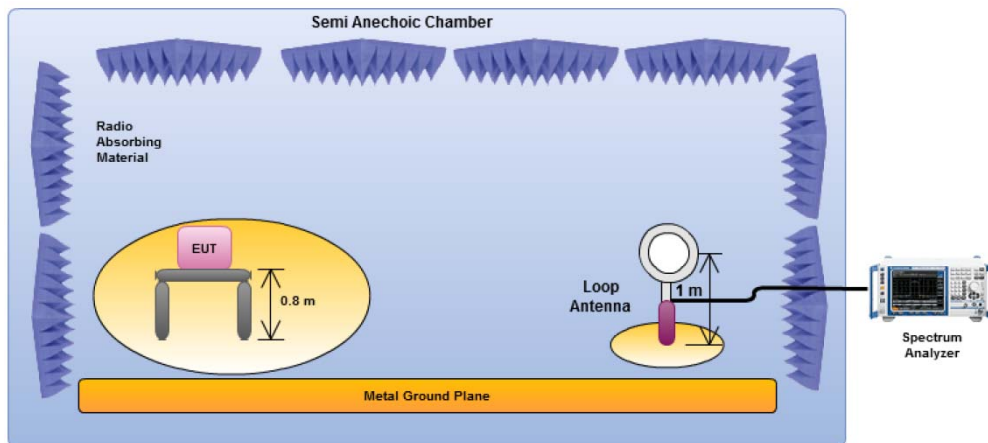


Setup: Transmitting mode

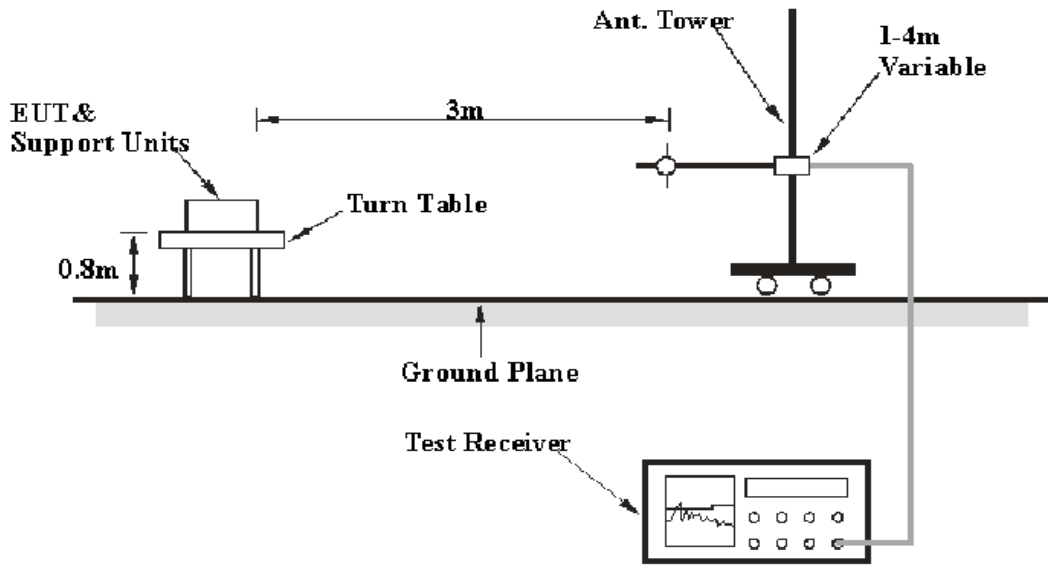
(EUT: Bluetooth headphone)

10.1.2.Semi-Anechoic Chamber Test Setup Diagram

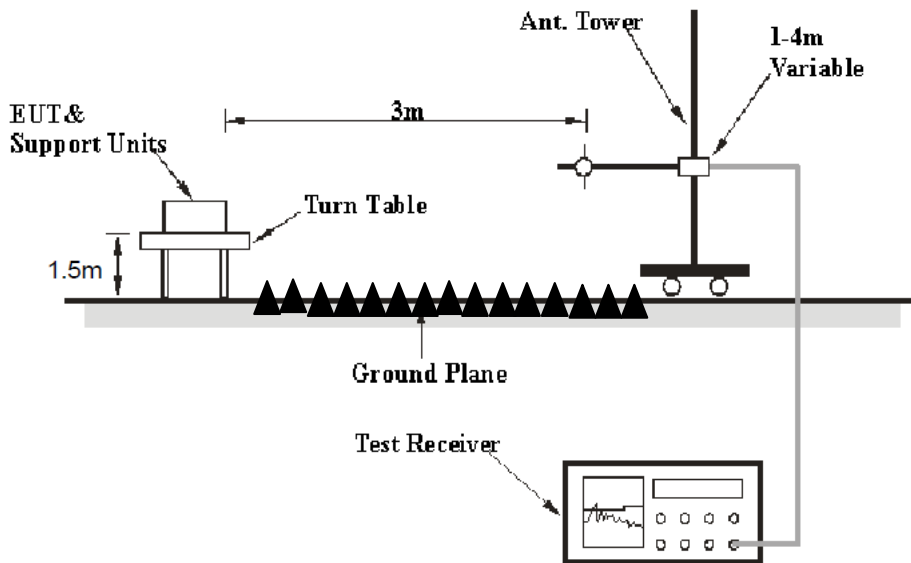
Below 30MHz



Below 1GHz:



Above 1GHz:



10.2. The Limit For Section 15.247(d)

Section 15.247(d): 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 Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

10.3.Restricted bands of operation

10.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

10.4.Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

10.5. Operating Condition of EUT

10.5.1. Setup the EUT and simulator as shown as Section 10.1.

10.5.2. Turn on the power of all equipment.

10.5.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

10.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground (Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground (Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 9 kHz in below 30MHz. and set at 120 kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9 kHz to 25GHz is checked.

The final measurement in band 9-90 kHz, 110-490 kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

10.7.Data Sample

Frequency (MHz)	Reading (dB μ v)	Factor (dB/m)	Result (dB μ v/m)	Limit (dB μ v/m)	Margin (dB)	Remark
144.7898	39.91	-22.38	17.53	43.50	-25.97	QP

Frequency(MHz) = Emission frequency in MHz

Reading(dB μ v) = Uncorrected Analyzer/Receiver reading

Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain

Result(dB μ v/m) = Reading(dB μ v) + Factor(dB/m)

Limit (dB μ v/m) = Limit stated in standard

Margin (dB) = Result(dB μ v/m) - Limit (dB μ v/m)

QP = Quasi-peak Reading

Calculation Formula:

Margin(dB) = Result (dB μ V/m)–Limit(dB μ V/m)

Result(dB μ V/m)= Reading(dB μ V)+ Factor(dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

10.8.The Field Strength of Radiation Emission Measurement Results

PASS.

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB.

Job No.: frank2017 #1306

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2402MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical

Power Source: DC 3.7V

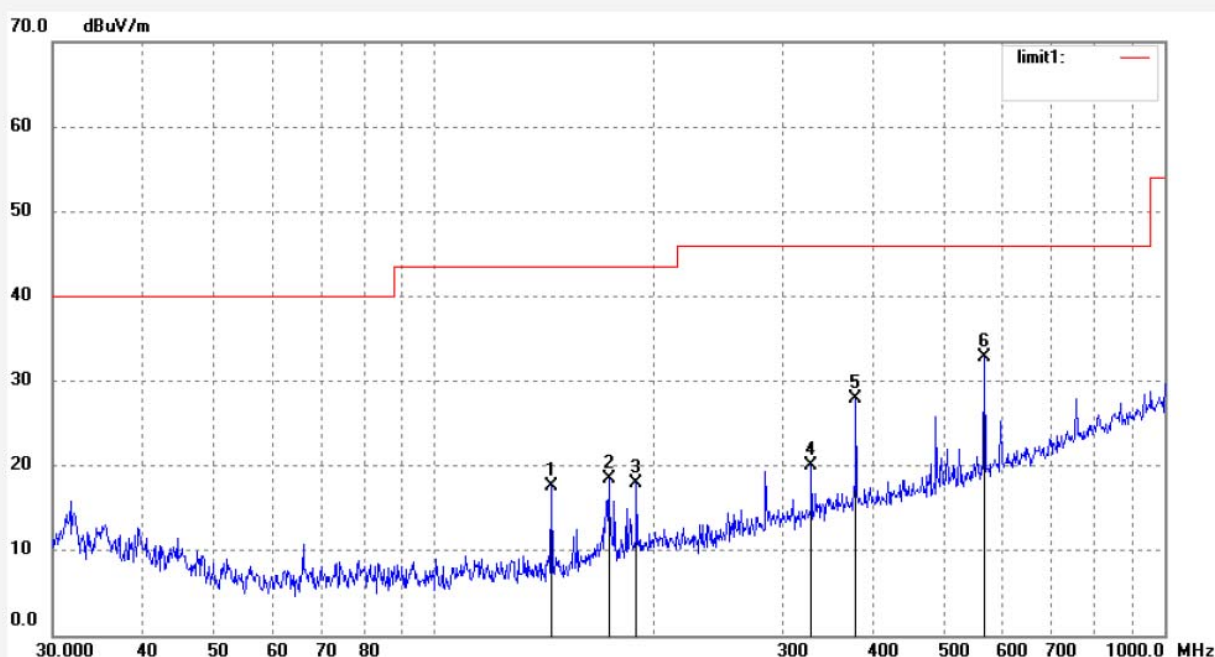
Date: 2017/10/25

Time: 10:50:05

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	144.7898	39.91	-22.38	17.53	43.50	-25.97	QP	100	120	
2	173.2050	39.12	-20.62	18.50	43.50	-25.00	QP	100	105	
3	189.1075	37.47	-19.49	17.98	43.50	-25.52	QP	100	104	
4	328.3068	34.85	-14.75	20.10	46.00	-25.90	QP	100	36	
5	377.8480	41.19	-13.26	27.93	46.00	-18.07	QP	100	11	
6	565.9776	42.14	-9.29	32.85	46.00	-13.15	QP	100	178	

Job No.: frank2017 #1307

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2402MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

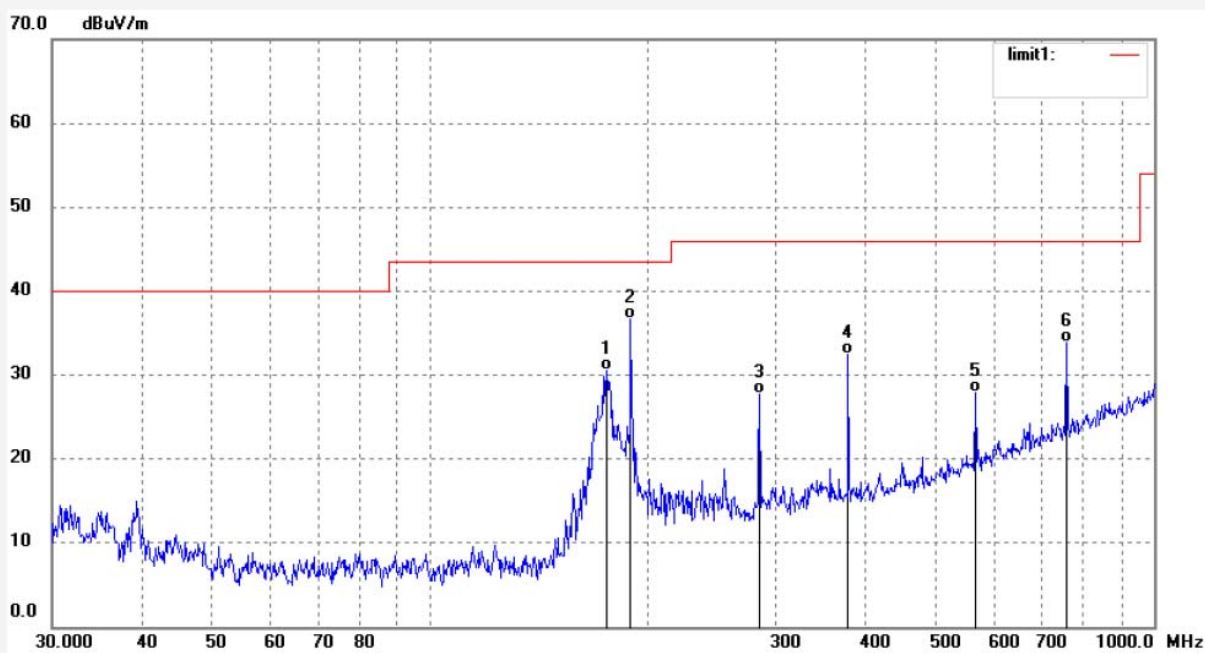
Date: 2017/10/25

Time: 10:50:32

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	175.0404	51.31	-20.81	30.50	43.50	-13.00	QP	100	154	
2	189.1075	56.07	-19.49	36.58	43.50	-6.92	QP	100	27	
3	285.2611	44.16	-16.37	27.79	46.00	-18.21	QP	100	321	
4	377.8480	45.76	-13.26	32.50	46.00	-13.50	QP	100	45	
5	565.9776	37.16	-9.29	27.87	46.00	-18.13	QP	100	311	
6	757.6200	38.91	-4.97	33.94	46.00	-12.06	QP	100	247	



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Job No.: frank2017 #1308

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2440MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

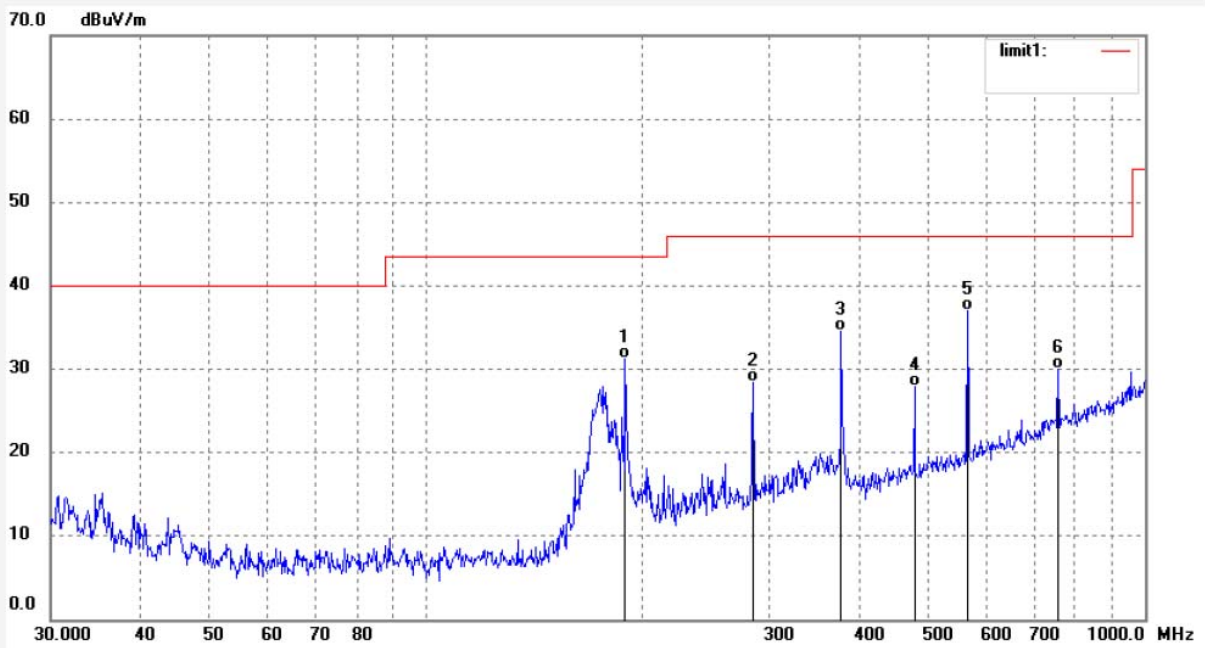
Date: 2017/10/25

Time: 10:50:57

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	189.1075	50.79	-19.49	31.30	43.50	-12.20	QP	100	111	
2	285.2611	44.82	-16.37	28.45	46.00	-17.55	QP	100	222	
3	377.8480	47.76	-13.26	34.50	46.00	-11.50	QP	100	147	
4	478.1394	39.22	-11.25	27.97	46.00	-18.03	QP	100	87	
5	565.9776	46.26	-9.29	36.97	46.00	-9.03	QP	100	94	
6	757.6200	35.02	-4.97	30.05	46.00	-15.95	QP	100	44	

Job No.: frank2017 #1309

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 2017/10/25

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10:51:28

EUT: Bluetooth headphone

Engineer Signature: Frank

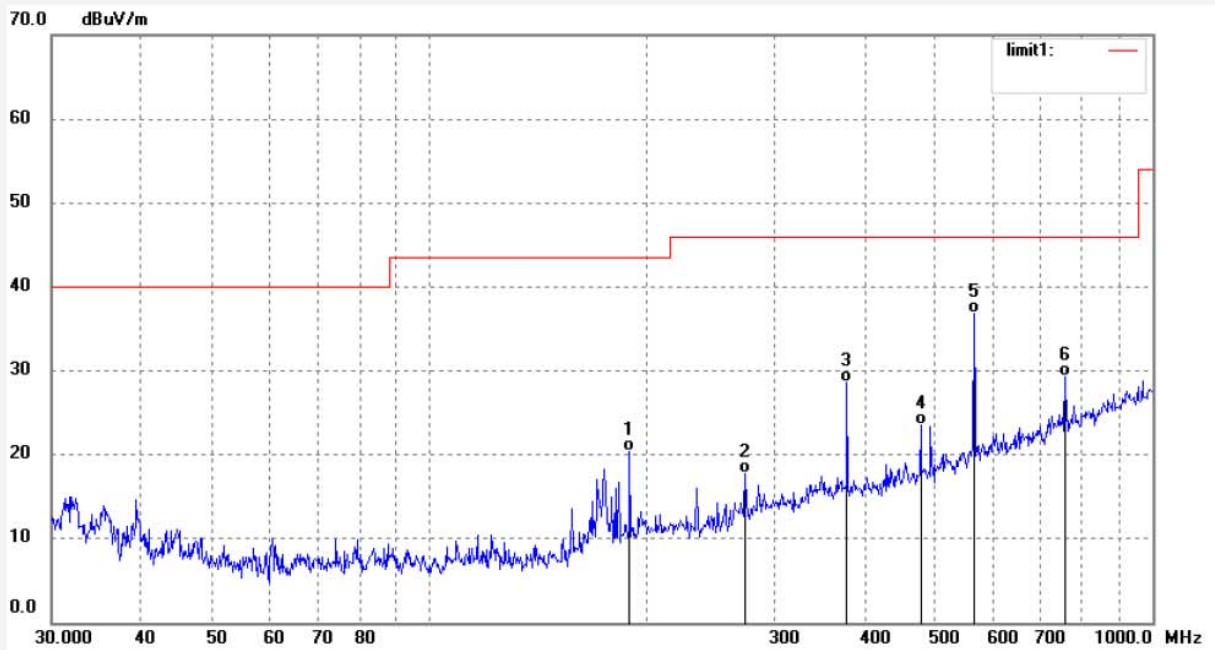
Mode: TX2440MHz

Distance: 3m

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	189.1075	39.82	-19.49	20.33	43.50	-23.17	QP	100	36	
2	273.4837	34.64	-16.94	17.70	46.00	-28.30	QP	100	33	
3	377.8480	41.84	-13.26	28.58	46.00	-17.42	QP	100	321	
4	478.1394	34.72	-11.25	23.47	46.00	-22.53	QP	100	115	
5	565.9776	46.11	-9.29	36.82	46.00	-9.18	QP	100	246	
6	757.6200	34.32	-4.97	29.35	46.00	-16.65	QP	100	311	

Job No.: frank2017 #1310

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2480MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical

Power Source: DC 3.7V

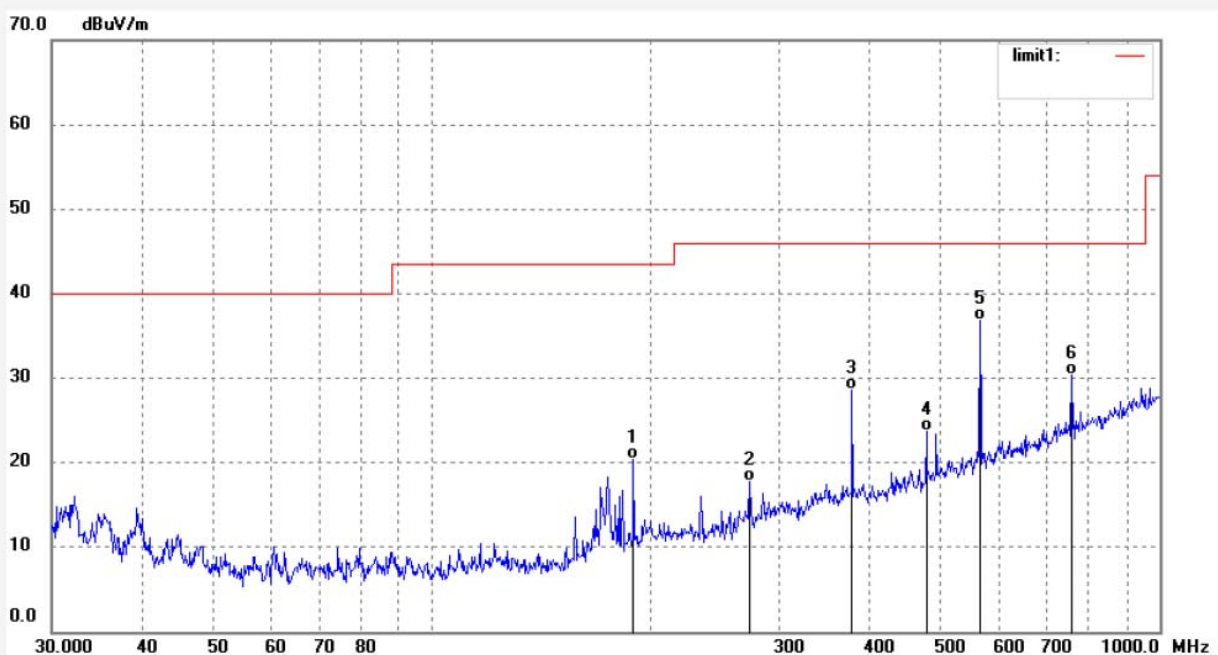
Date: 2017/10/25

Time: 10:51:43

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	189.1075	39.82	-19.49	20.33	43.50	-23.17	QP	100	110	
2	273.4837	34.64	-16.94	17.70	46.00	-28.30	QP	100	254	
3	377.8480	41.84	-13.26	28.58	46.00	-17.42	QP	100	321	
4	478.1394	35.04	-11.25	23.79	46.00	-22.21	QP	100	114	
5	565.9776	46.11	-9.29	36.82	46.00	-9.18	QP	100	222	
6	757.6200	35.41	-4.97	30.44	46.00	-15.56	QP	100	267	

Job No.: frank2017 #1311

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2480MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

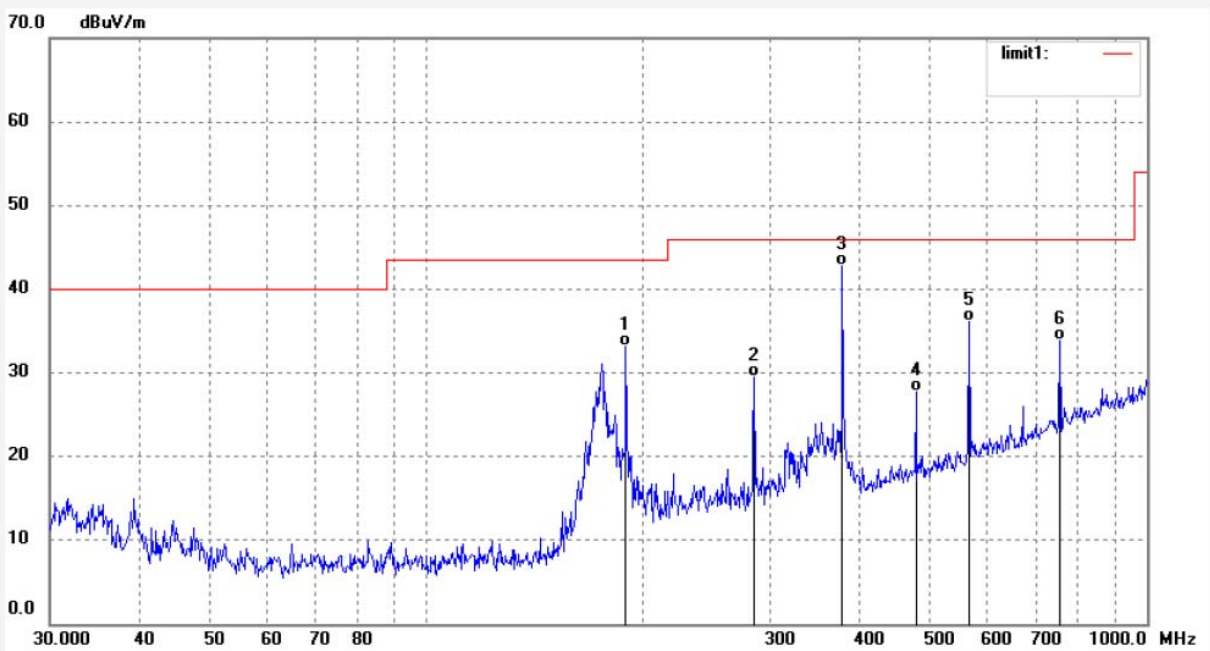
Date: 2017/10/25

Time: 10:52:27

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	189.1075	52.72	-19.49	33.23	43.50	-10.27	QP	100	87	
2	285.2611	45.94	-16.37	29.57	46.00	-16.43	QP	100	116	
3	377.8480	55.96	-13.26	42.70	46.00	-3.30	QP	100	225	
4	478.1394	38.93	-11.25	27.68	46.00	-18.32	QP	100	202	
5	565.9776	45.45	-9.29	36.16	46.00	-9.84	QP	100	136	
6	757.6200	38.85	-4.97	33.88	46.00	-12.12	QP	100	45	

Job No.: frank2017 #1316

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2402MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

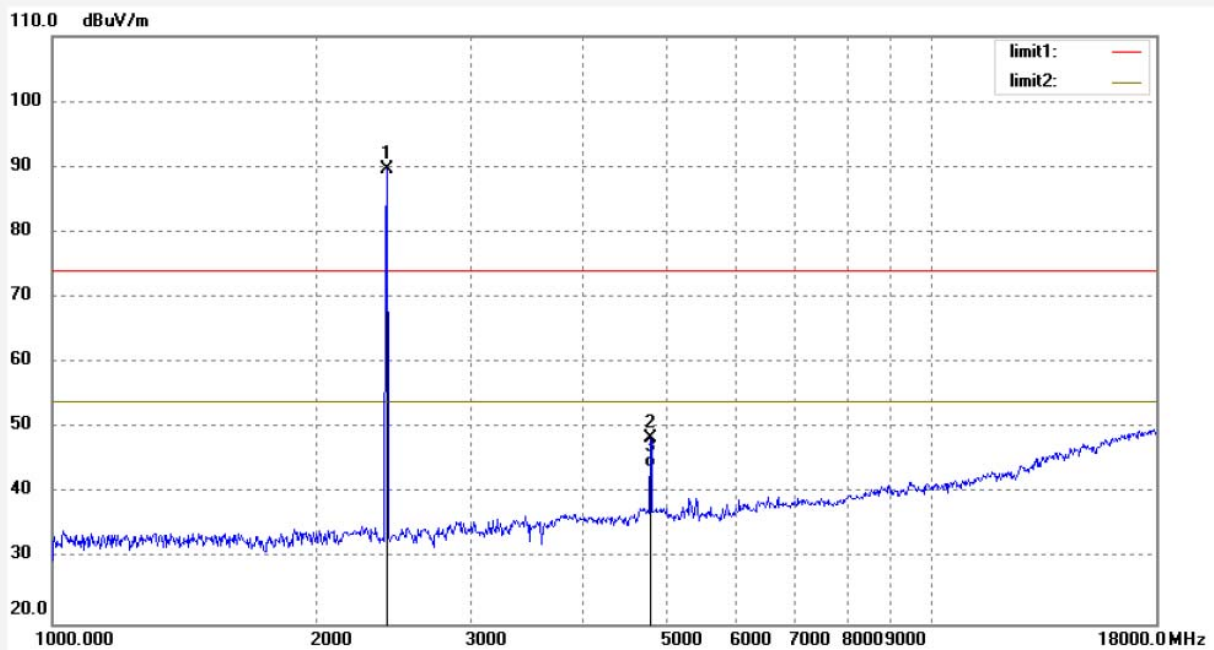
Date: 17/10/26/

Time: 8/41/59

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	93.49	-3.91	89.58			peak	150	244	
2	4804.000	44.80	3.70	48.50	74.00	-25.50	peak	150	157	
3	4804.000	40.15	3.70	43.85	54.00	-10.15	AVG	150	157	



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Job No.: frank2017 #1317

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2402MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical

Power Source: DC 3.7V

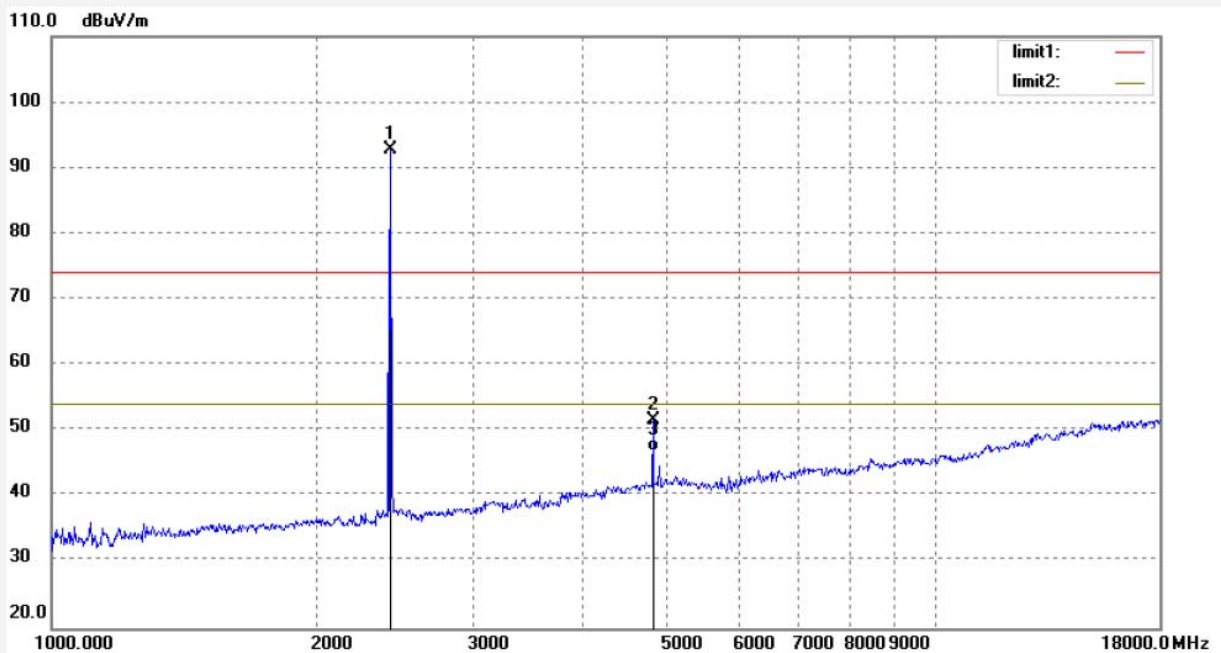
Date: 17/10/26/

Time: 8/42/12

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	96.57	-3.80	92.77			peak	150	136	
2	4804.000	47.77	3.75	51.52	74.00	-22.48	peak	150	128	
3	4804.000	43.15	3.75	46.90	54.00	-7.10	AVG	150	128	

Job No.: frank2017 #1318

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2440MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical

Power Source: DC 3.7V

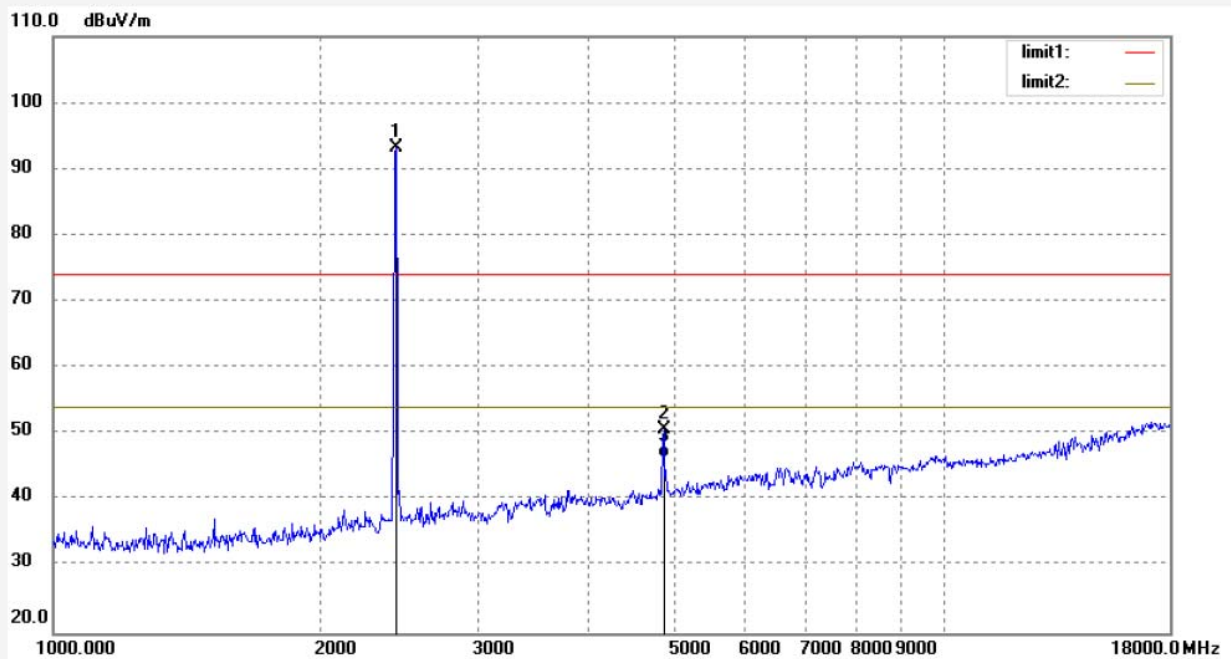
Date: 17/10/26/

Time: 8/42/16

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	97.09	-3.77	93.32			peak	150	46	
2	4880.000	46.68	4.00	50.68	74.00	-23.32	peak	150	138	
3	4880.000	42.45	4.00	46.45	54.00	-7.55	AVG	150	138	



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Job No.: frank2017 #1321

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2480MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical

Power Source: DC 3.7V

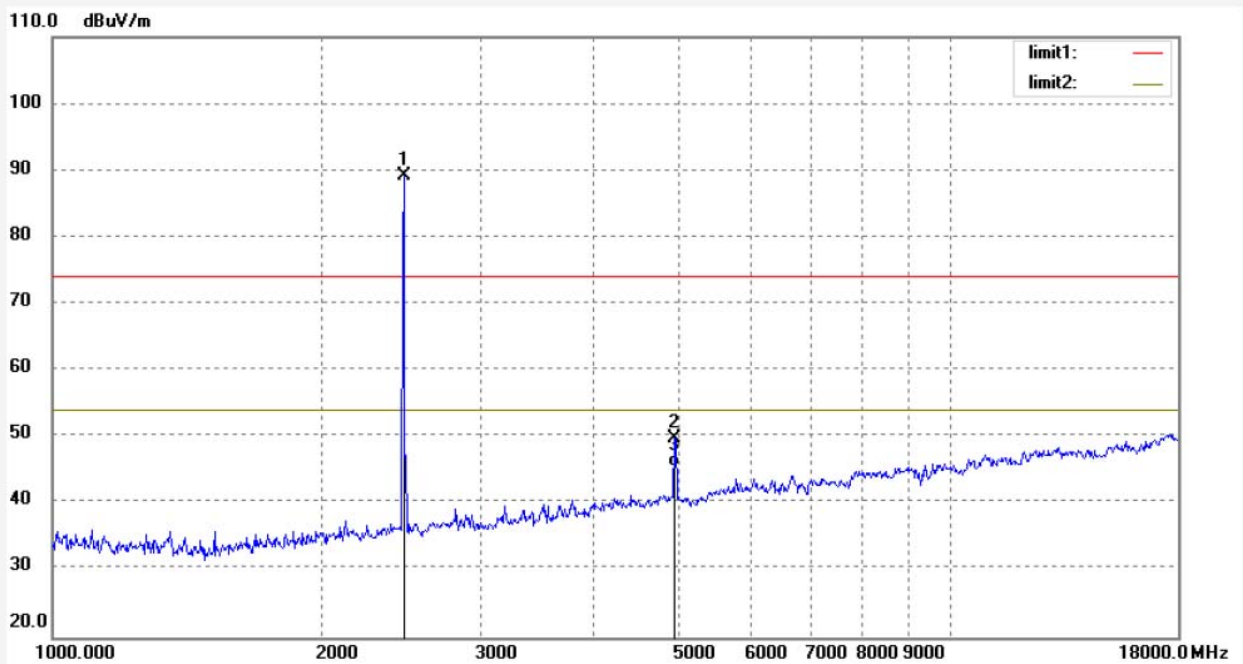
Date: 17/10/26/

Time: 8/42/39

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	92.86	-3.59	89.27			peak	150	47	
2	4880.000	45.51	4.37	49.88	74.00	-24.12	peak	150	348	
3	4880.000	41.18	4.37	45.55	54.00	-8.45	AVG	150	348	

Job No.: frank2017 #1322

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2440MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

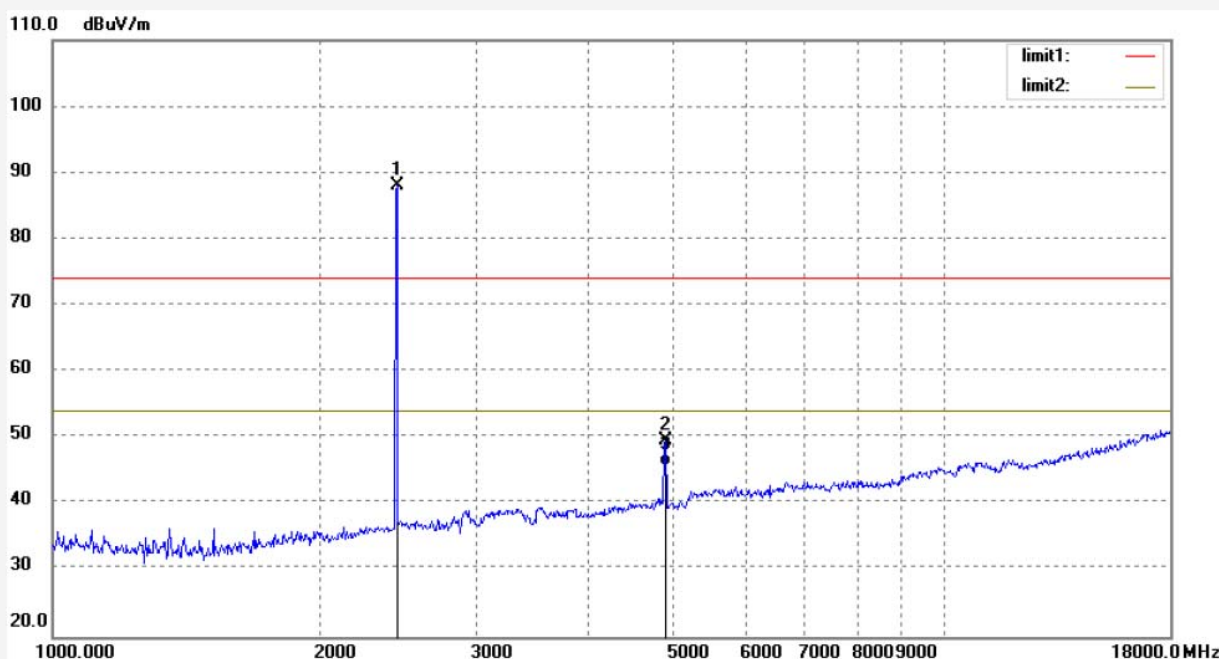
Date: 17/10/26/

Time: 8/42/24

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	91.79	-3.73	88.06			peak	150	133	
2	4880.000	45.54	4.11	49.65	74.00	-24.35	peak	150	128	
3	4880.000	41.65	4.11	45.76	54.00	-8.24	AVG	150	128	

Job No.: frank2017 #1323

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth headphone

Mode: TX2480MHz

Model: CB-BH200

Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal

Power Source: DC 3.7V

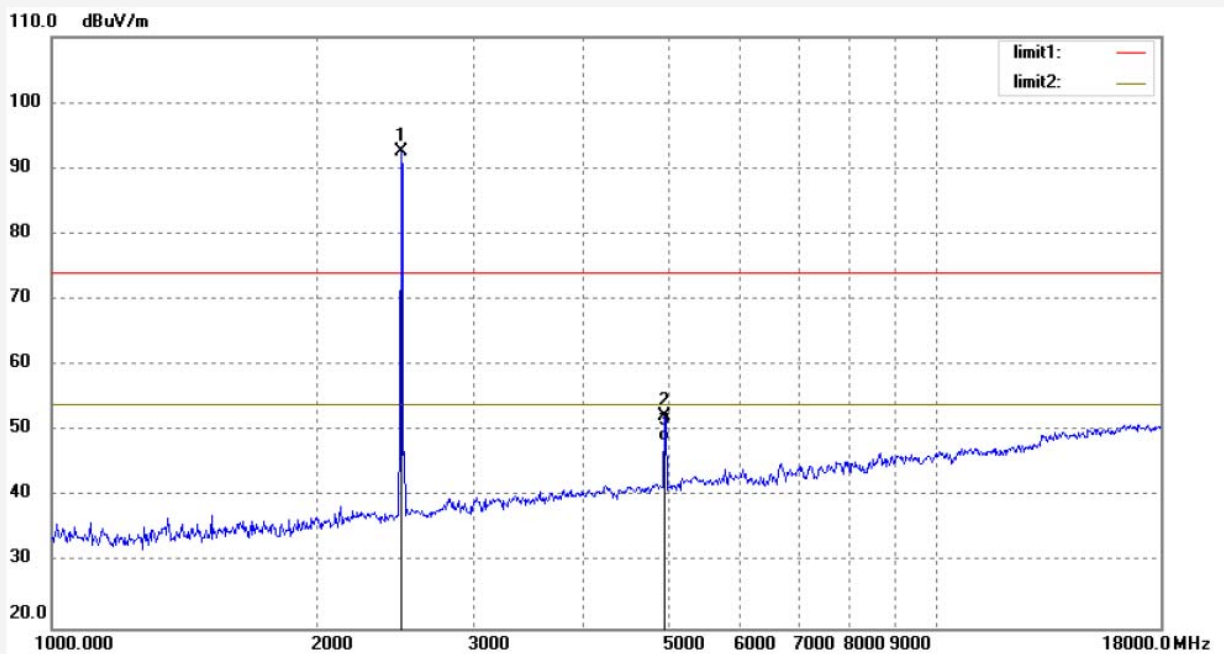
Date: 17/10/26/

Time: 8/42/34

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172075



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	95.99	-3.48	92.51			peak	150	115	
2	4960.000	48.01	4.37	52.38	74.00	-21.62	peak	150	156	
3	4960.000	44.12	4.37	48.49	54.00	-5.51	AVG	150	156	

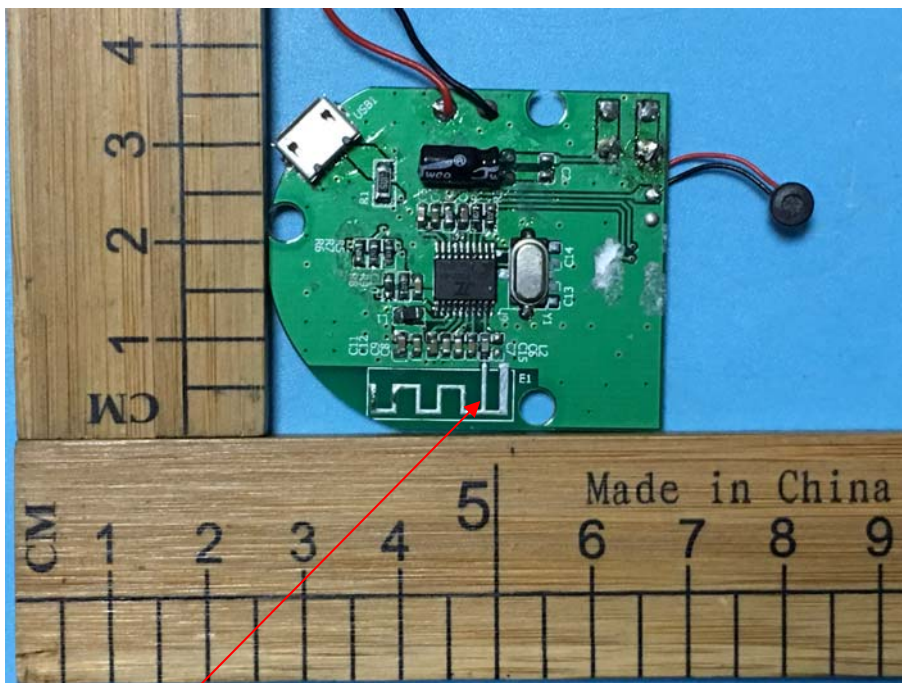
11. ANTENNA REQUIREMENT

11.1. The Requirement

According to Section 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.

11.2. Antenna Construction

Device is equipped with external Antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 1.0dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna