APPLICATION CERTIFICATION FCC Part 15C
On Behalf of

GOOD EVER TRADING LIMITED

Wireless Light-UP Stereo Headphones

Model No.: 74496, CB-335066

FCC ID: 2AM7T-CB-335066

Prepared for	:	GOOD EVER TRADING LIMITED
Address	:	RM 1701, Zhuoyue Building, Fuhua Yi Rd., Futian Central Zone, Shenzhen, China
Prepared by	:	Shenzhen Accurate Technology Co., Ltd.
Address	:	1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China
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Report No.	:	ATE20181077
Date of Test	:	June 25-July 2, 2018
Date of Report	:	July 6, 2018

TABLE OF CONTENTS

Description Page

Test Report Certification

Applicant	:	GOOD EVER TRADING LIMITED
Manufacturer	:	GOOD EVER TRADING LIMITED
EUT Description	:	Wireless Light-UP Stereo Headphones
Model No.	:	74496, CB-335066
Trade Name	:	n.a.

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247:2017
ANSI C63.10: 2013

The device described above is tested by Shenzhen 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 Shenzhen 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 Shenzhen Accurate Technology Co., Ltd.

Date of Test :	June 25-July 2, 2018
Date of Report:	July 6, 2018

Prepared by : _____
(Bob Wang, Engineer)

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

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	Wireless Light-UP Stereo Headphones
Model Number	:	74496, CB-335066 (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. The EMC test model is 74496.)
Bluetooth version	:	BT V4.2
Frequency Range	:	2402MHz-2480MHz
Number of Channels	:	79
Antenna Gain	:	1dBi
Modulation mode	:	GFSK, π /4 DQPSK
Antenna type	:	PCB Antenna
Power Supply	:	DC 3.7V & DC 5V(Power by USB port)
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 receiver	:	June 21, 2018
Date of Test	:	June 25-July 2, 2018
Sample No.	:	1800903

1.2.Special Accessory and Auxiliary Equipment

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

1.3.Carrier Frequency of Channels

Channel	Frequceny (MHz)	Channel	Frequceny (MHz)	Channel	Frequceny (MHz)	Channe l	Frequceny (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

1.4.Accessory and Auxiliary Equipment

N/A

1.5.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 (ISEDC) 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

1.6.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. 06, 2018	1 Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 06, 2018	1 Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 06, 2018	1 Year
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 06, 2018	1 Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 06, 2018	1 Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 06, 2018	1 Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 06, 2018	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 06, 2018	1 Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 06, 2018	1 Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 06, 2018	1 Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18G-10SS	N/A	Jan. 06, 2018	1 Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2485-2375/2510-60/11SS	N/A	Jan. 06, 2018	1 Year

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: Transmitting mode
Low Channel: 2402MHz
Middle Channel: 2441MHz
High Channel: 2480MHz
Hopping

3.2.Configuration and peripherals

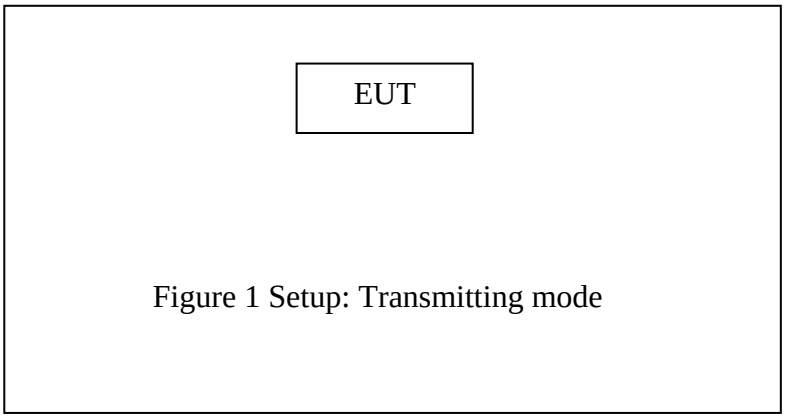


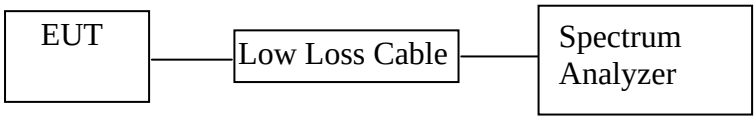
Figure 1 Setup: Transmitting mode

4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission Test	Compliant
Section 15.247(a)(1)	20dB Bandwidth Test	Compliant
Section 15.247(a)(1)	Carrier Frequency Separation Test	Compliant
Section 15.247(a)(1)(iii)	Number Of Hopping Frequency Test	Compliant
Section 15.247(a)(1)(iii)	Dwell Time Test	Compliant
Section 15.247(b)(1)	Maximum Peak Output Power Test	Compliant
Section 15.247(d) Section 15.209	Radiated Emission Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.203	Antenna Requirement	Compliant

5. 20DB BANDWIDTH TEST

5.1.Block Diagram of Test Setup



(EUT: Wireless Light-UP Stereo Headphones)

5.2.The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

5.3.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.

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 TX (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

5.5.Test Procedure

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

5.5.2.Set RBW of spectrum analyzer to 30 kHz and VBW to 100 kHz.

5.5.3.The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

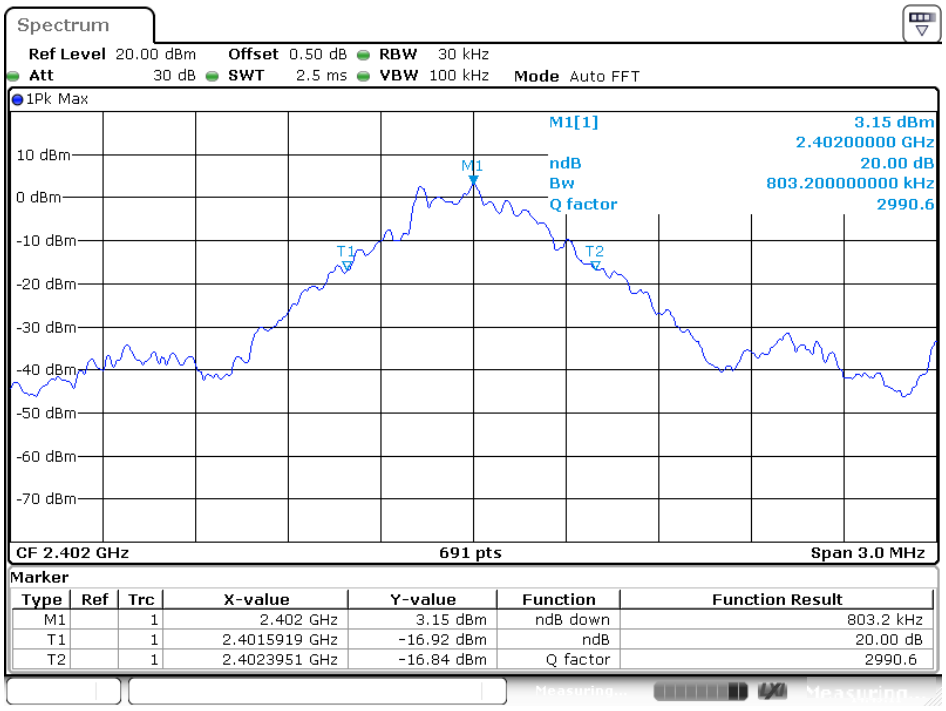
5.6.Test Result

Channel	Frequency (MHz)	GFSK 20dB Bandwidth (MHz)	Π/4-DQPSK 20dB Bandwidth (MHz)	Result
Low	2402	0.803	1.220	Pass
Middle	2441	0.803	1.220	Pass
High	2480	0.803	1.224	Pass

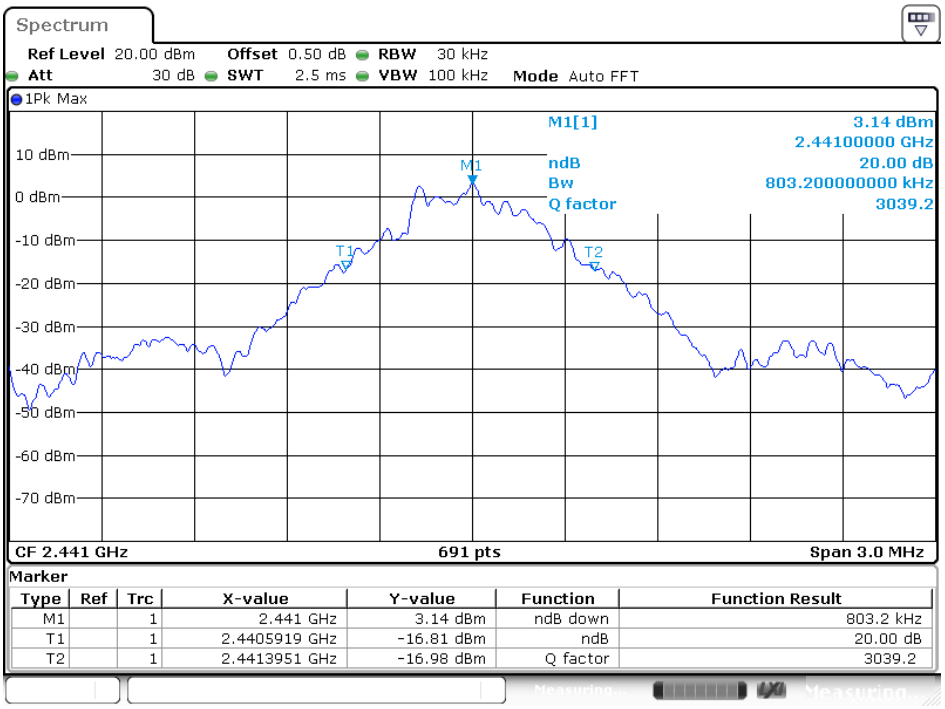
The spectrum analyzer plots are attached as below.

GFSK Mode

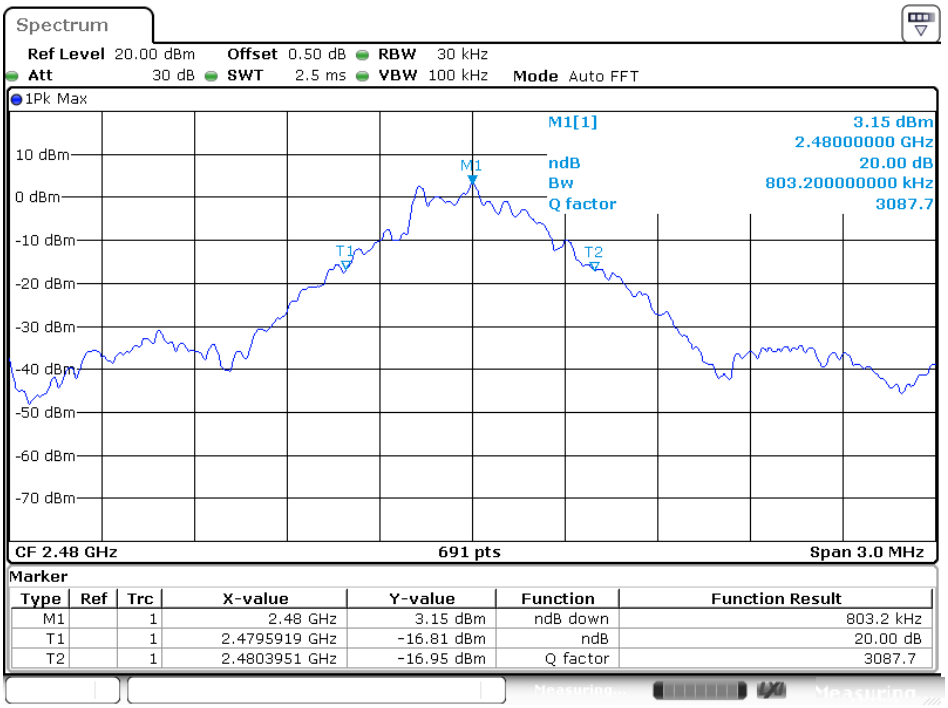
Low channel



Middle channel

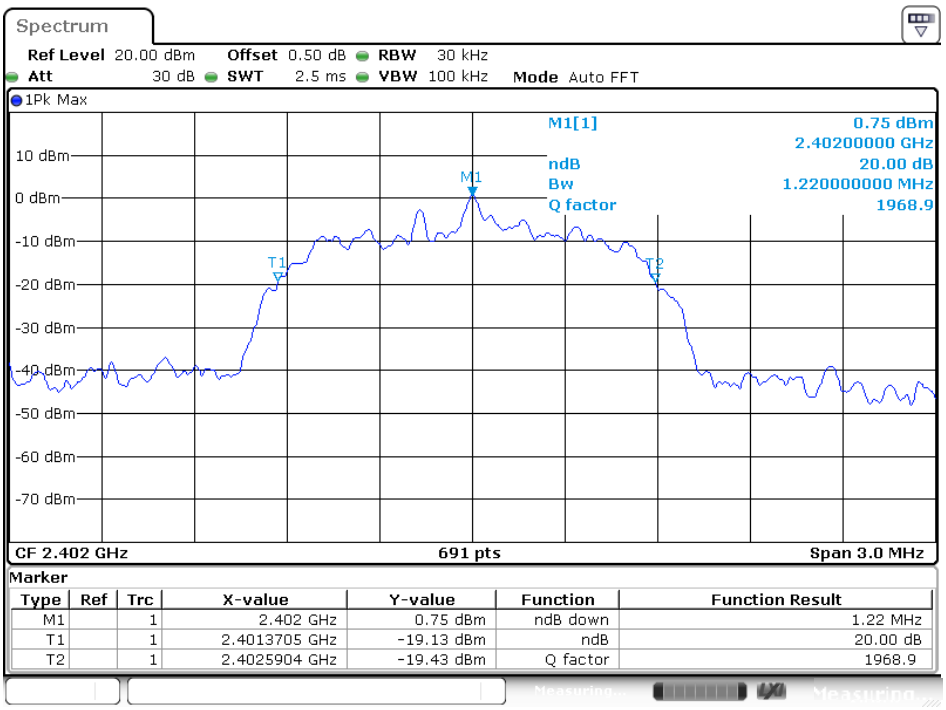


High channel

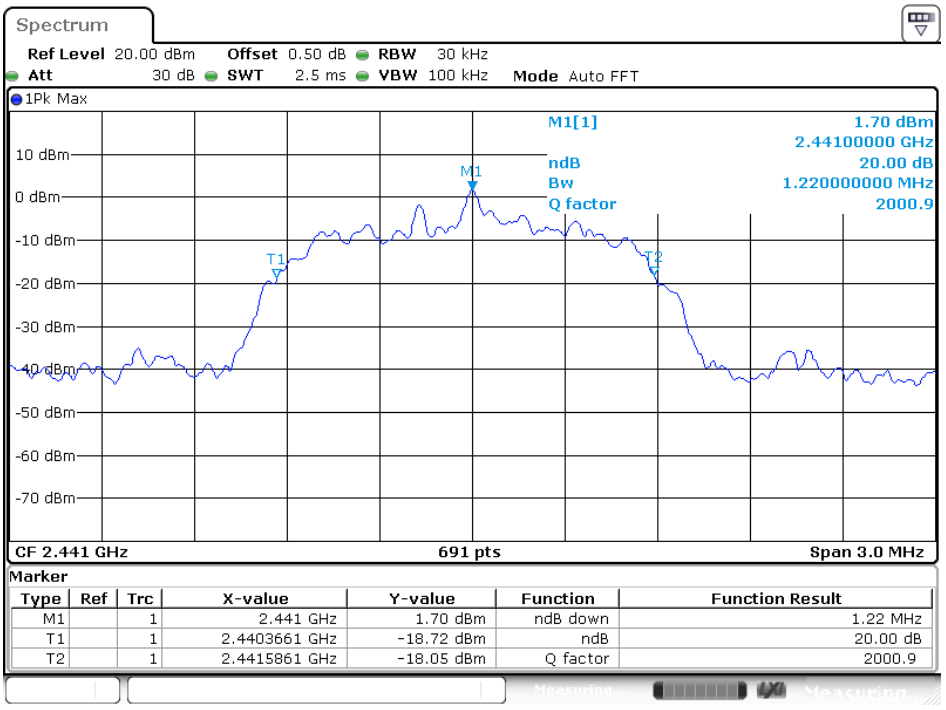


Π/4-DQPSK Mode

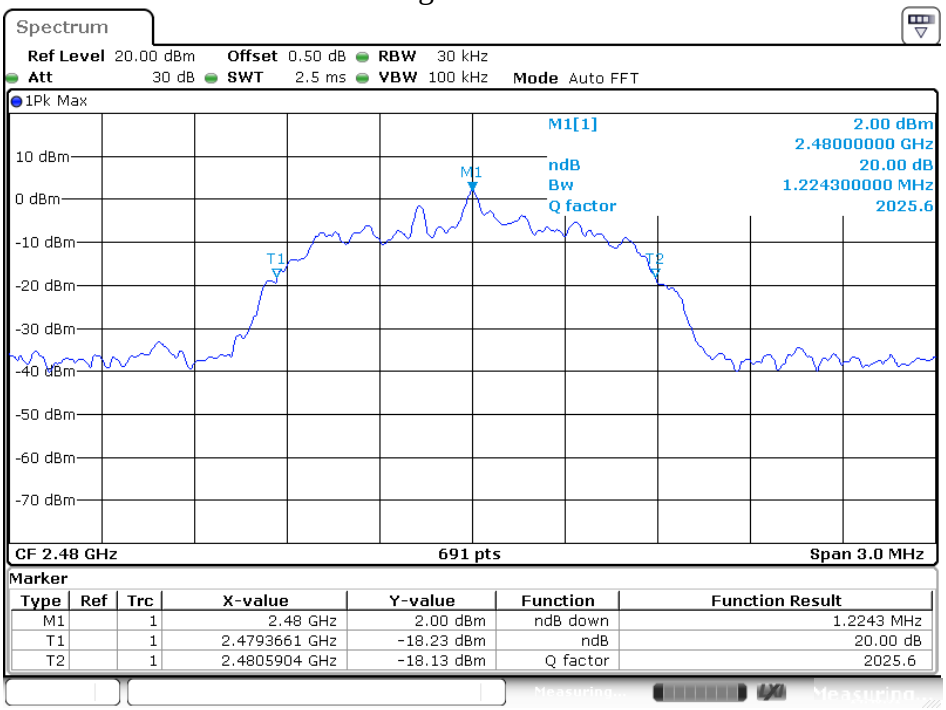
Low channel



Middle channel

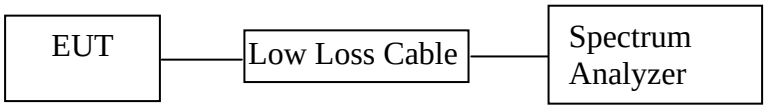


High channel



6. CARRIER FREQUENCY SEPARATION TEST

6.1.Block Diagram of Test Setup



(EUT: Wireless Light-UP Stereo Headphones)

6.2.The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudorandomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

6.3.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.

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 (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, 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 30 kHz and VBW to 100 kHz. Adjust Span to 2MHz.

6.5.3.Set the adjacent channel of the EUT Maxhold another trace.

6.5.4.Measurement the channel separation

6.6.Test Result

GFSK

Channel	Frequency (MHz)	Channel Separation(MHz)	Limit (MHz)	Result
Low	2402	1.0014	≥0.803	PASS
	2403			
Middle	2440	1.0014	≥0.803	PASS
	2441			
High	2479	1.0014	≥0.803	PASS
	2480			

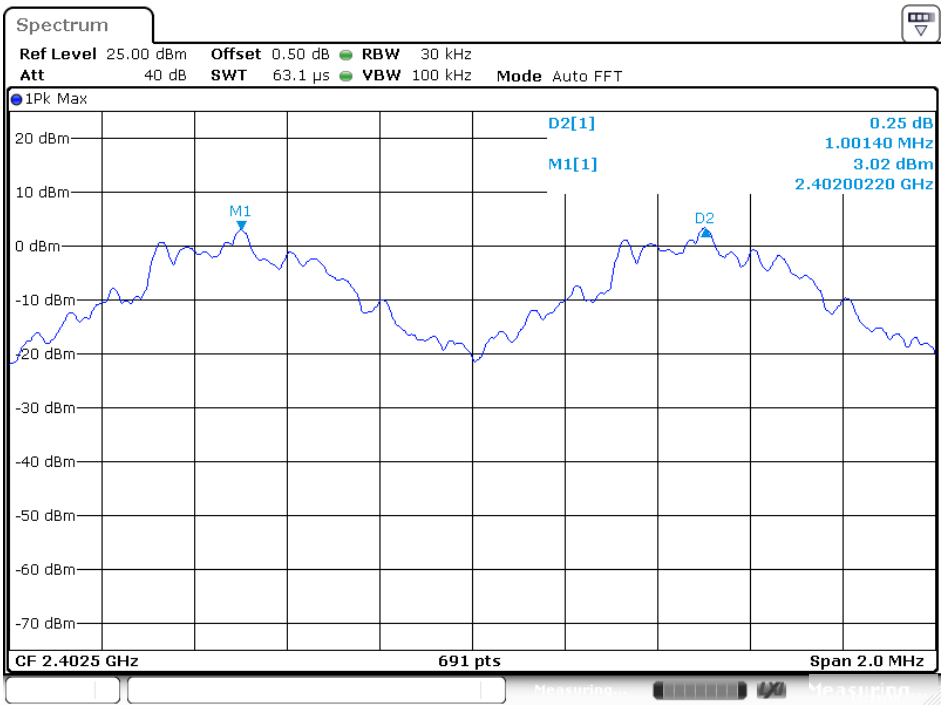
Π/4-DQPSK

Channel	Frequency (MHz)	Channel Separation(MHz)	Limit (MHz)	Result
Low	2402	1.0029	≥0.813	PASS
	2403			
Middle	2440	1.0029	≥0.813	PASS
	2441			
High	2479	1.0029	≥0.816	PASS
	2480			

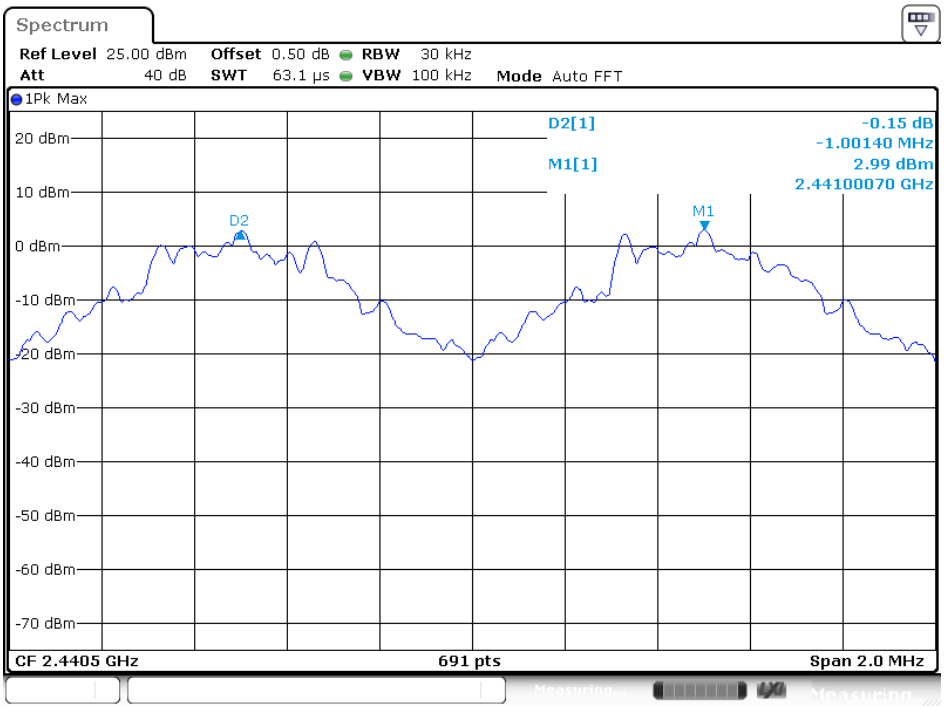
The spectrum analyzer plots are attached as below.

GFSK Mode

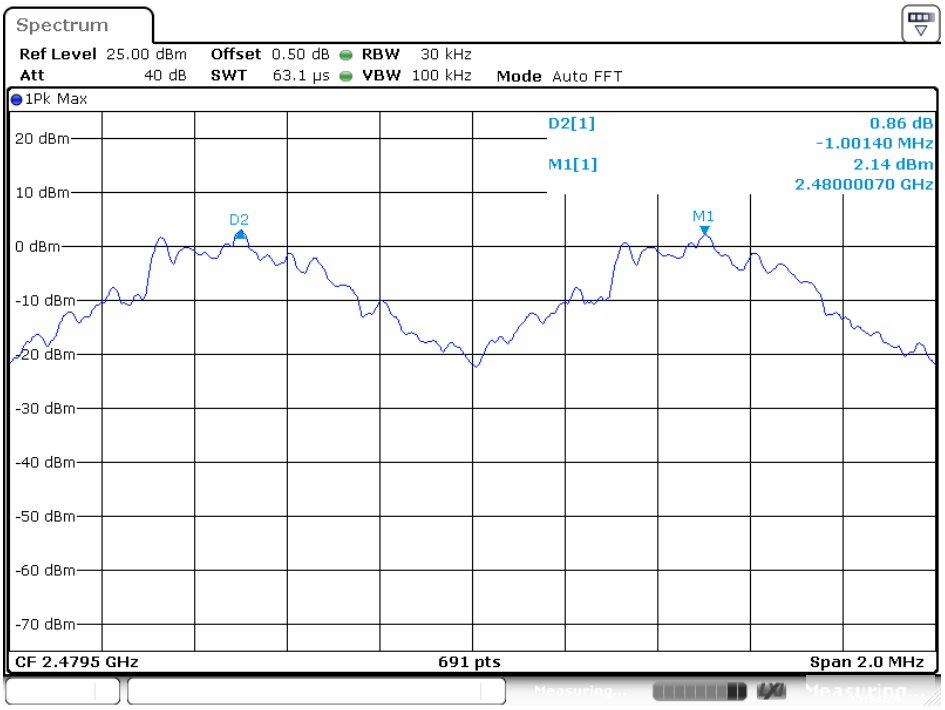
Low channel



Middle channel

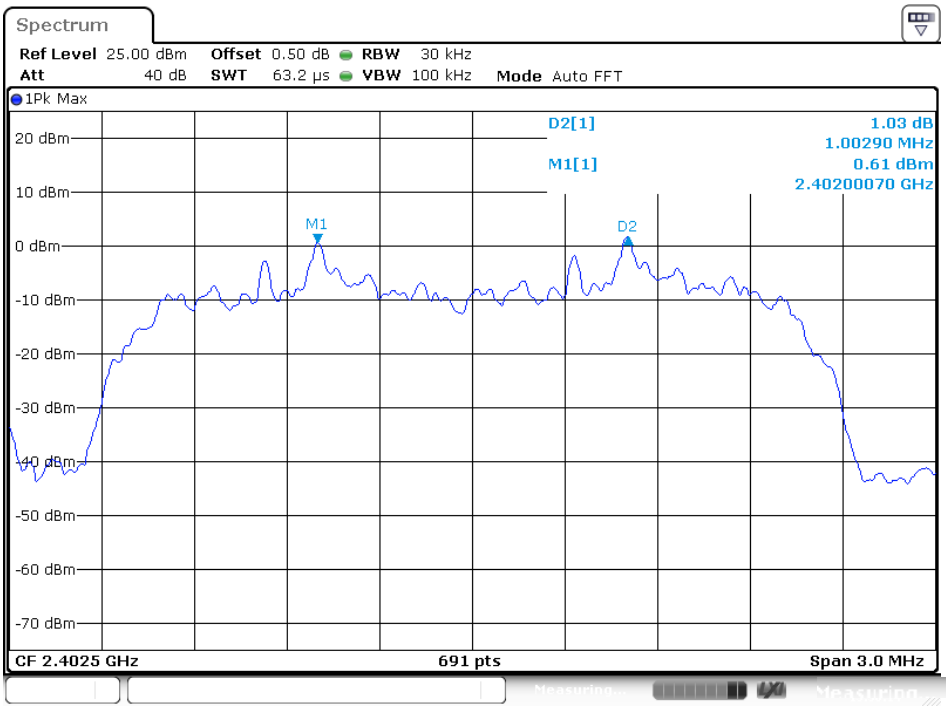


High channel

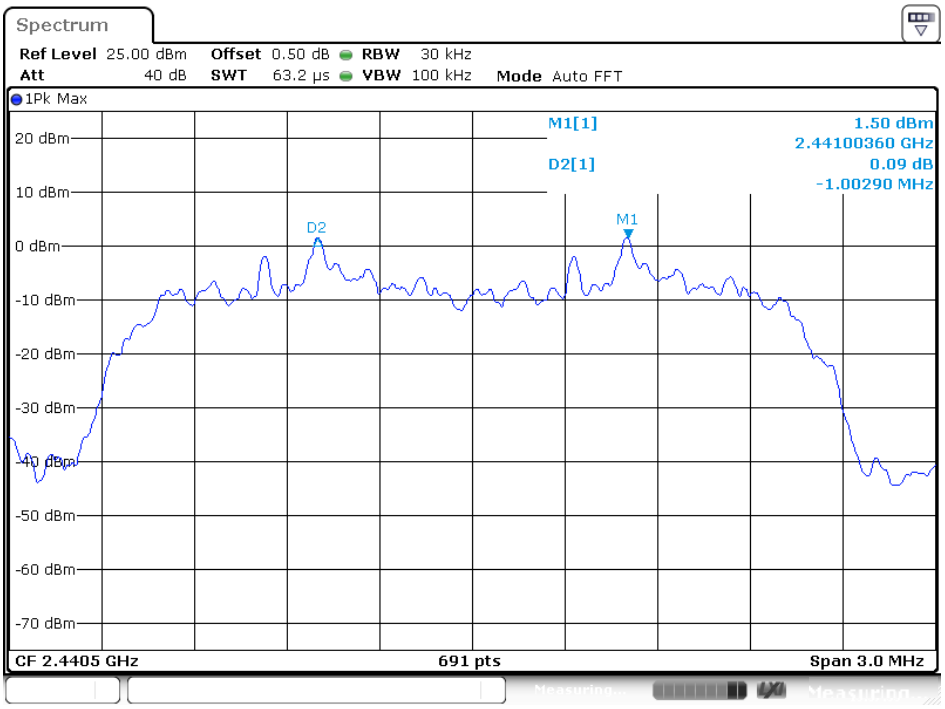


Π/4-DQPSK Mode

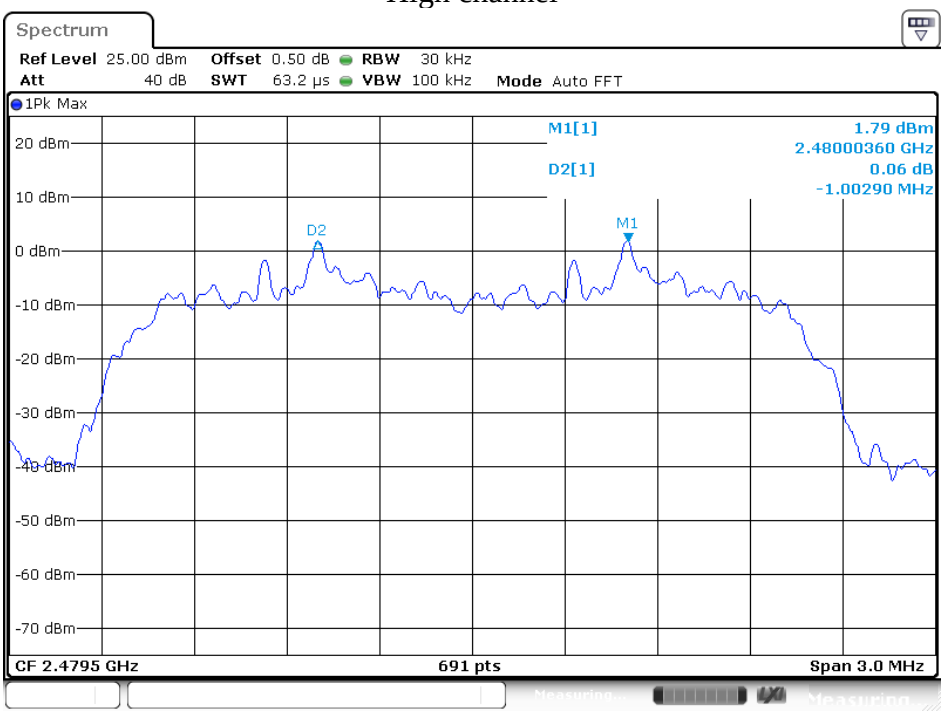
Low channel



Middle channel

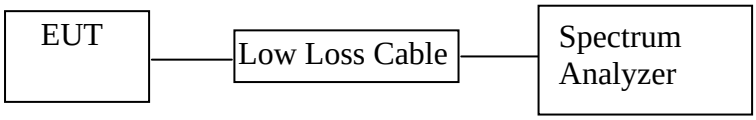


High channel



7. NUMBER OF HOPPING FREQUENCY TEST

7.1.Block Diagram of Test Setup



(EUT: Wireless Light-UP Stereo Headphones)

7.2.The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

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 (Hopping on) modes measure it.

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 the spectrum analyzer as RBW=100 kHz, VBW=300 kHz.

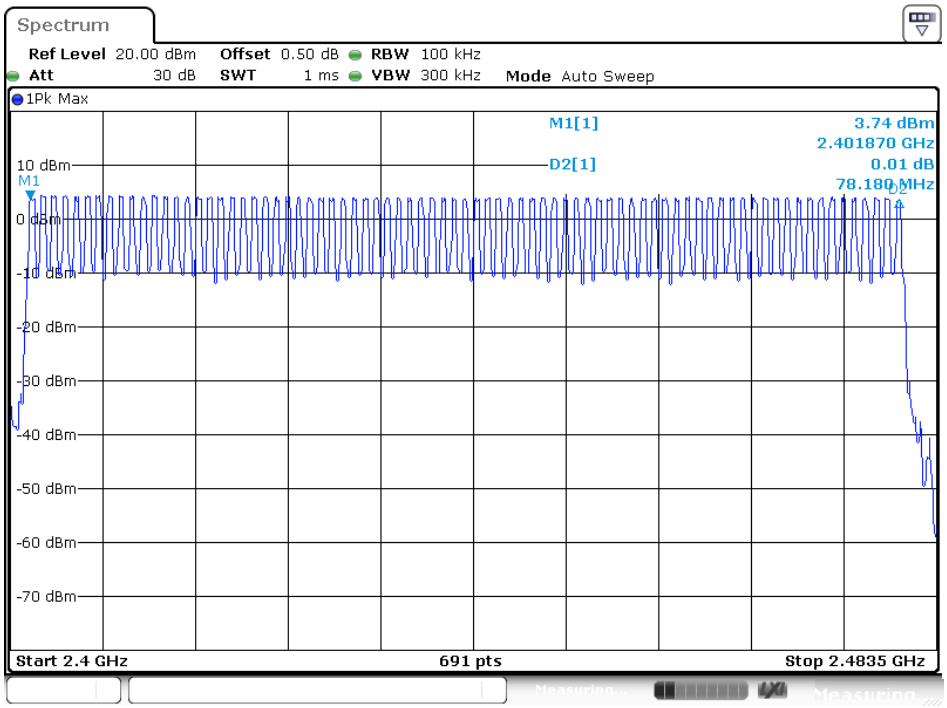
7.5.3.Max hold, view and count how many channel in the band.

7.6.Test Result

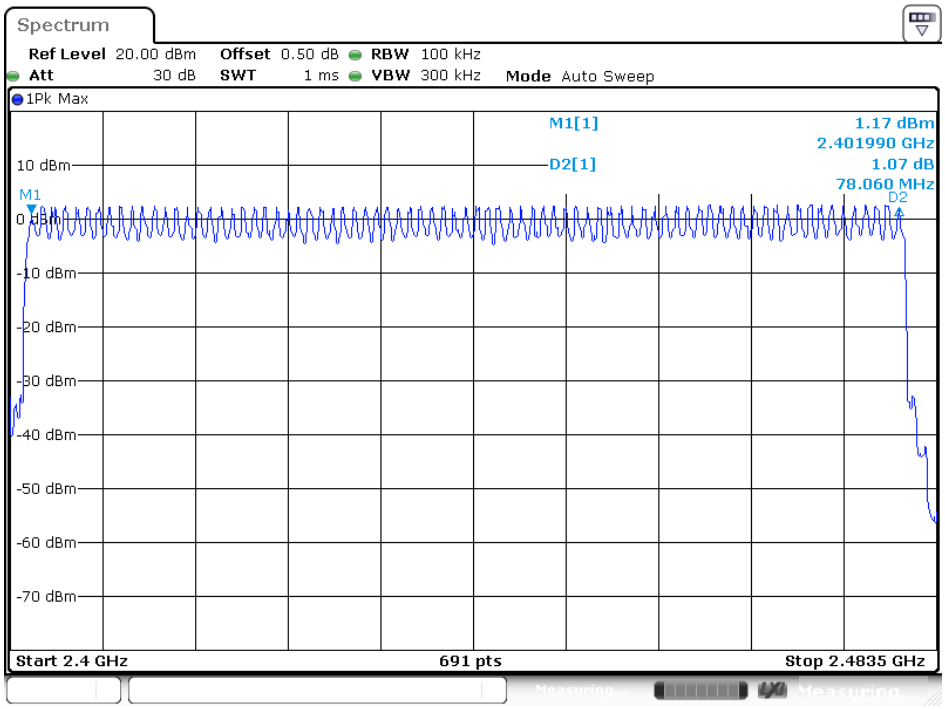
Total number of hopping channel	Measurement result(CH)	Limit(CH)
	79	⩾15

The spectrum analyzer plots are attached as below.

Number of hopping channels(GFSK)

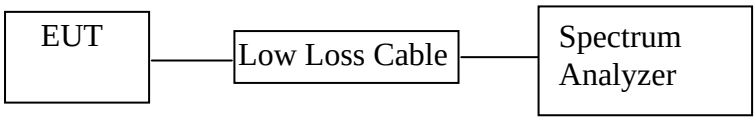


Number of hopping channels(Π/4-DQPSK)



8. DWELL TIME TEST

8.1.Block Diagram of Test Setup



(EUT: Wireless Light-UP Stereo Headphones)

8.2.The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

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 (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, 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.Set center frequency of spectrum analyzer = operating frequency.

8.5.3.Set the spectrum analyzer as RBW=1MHz, VBW=3MHz, Span=0Hz, Adjust Sweep=5ms, 10ms, 15ms. Get the pulse time.

8.5.4.Repeat above procedures until all frequency measured were complete.

8.6.Test Result

GFSK Mode

Mode	Channel Frequency (MHz)	Pulse Time (ms)	Dwell Time (ms)	Limit (ms)
DH1	2402	0.428	136.96	400
	2441	0.438	140.16	400
	2480	0.442	141.44	400
A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(2*79))×31.6				
DH3	2402	1.746	279.36	400
	2441	1.790	286.40	400
	2480	1.761	281.76	400
A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(4*79))×31.6				
DH5	2402	2.978	317.65	400
	2441	2.978	317.65	400
	2480	3.000	320.00	400
A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(6*79))×31.6				

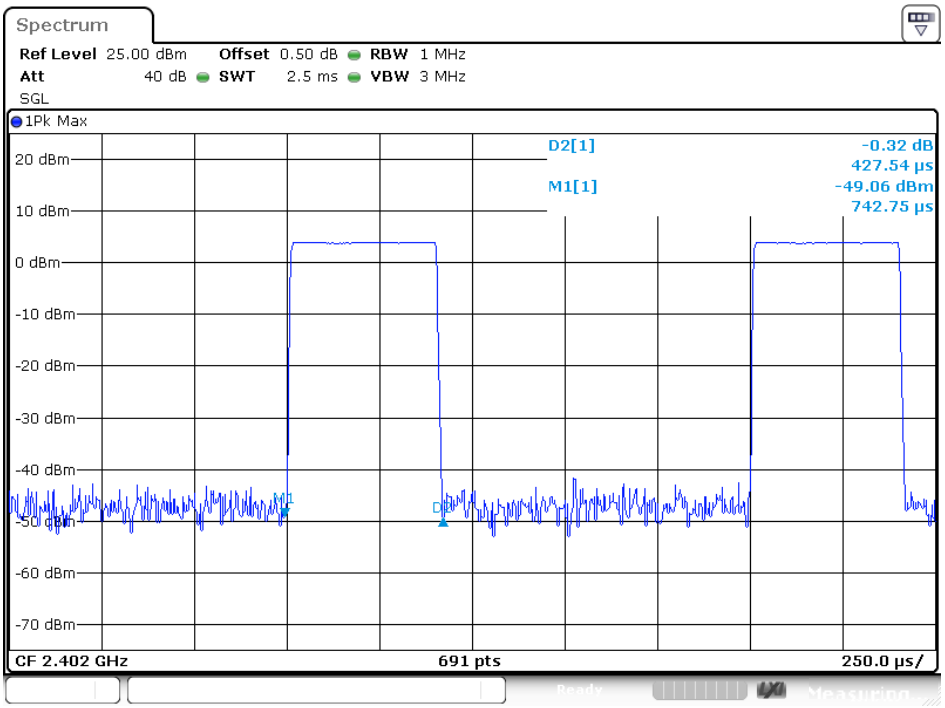
Π/4-DQPSK

Mode	Channel Frequency (MHz)	Pulse Time (ms)	Dwell Time (ms)	Limit (ms)
DH1	2402	0.446	142.72	400
	2441	0.442	141.44	400
	2480	0.438	140.16	400
A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(2*79))×31.6				
DH3	2402	1.714	274.24	400
	2441	1.714	274.24	400
	2480	1.728	276.48	400
A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(4*79))×31.6				
DH5	2402	3.000	320.00	400
	2441	3.022	322.35	400
	2480	2.978	317.65	400
A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(6*79))×31.6				

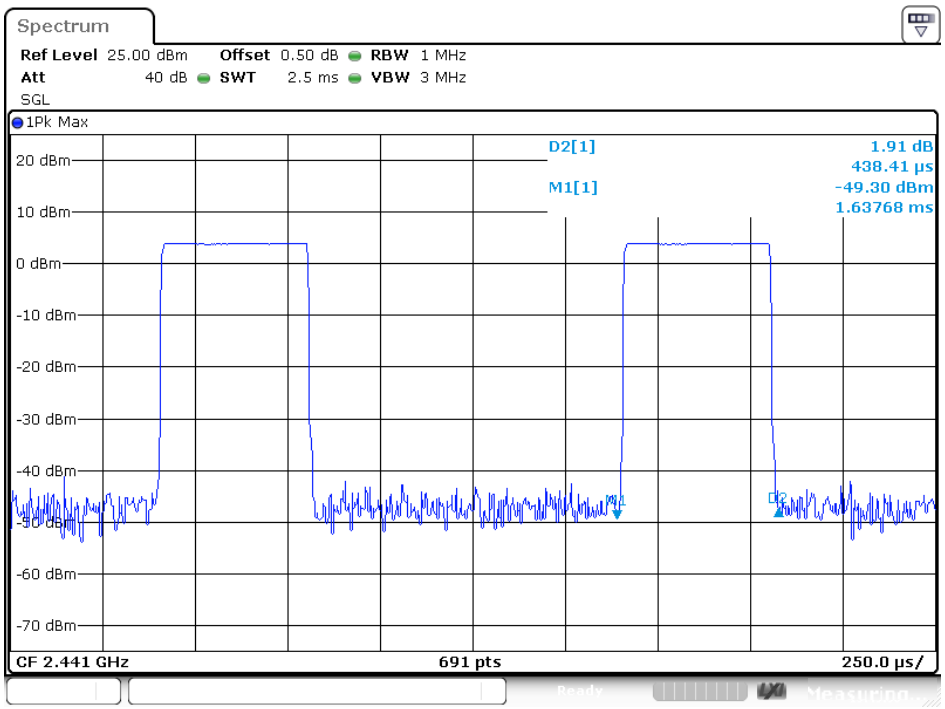
The spectrum analyzer plots are attached as below.

GFSK Mode

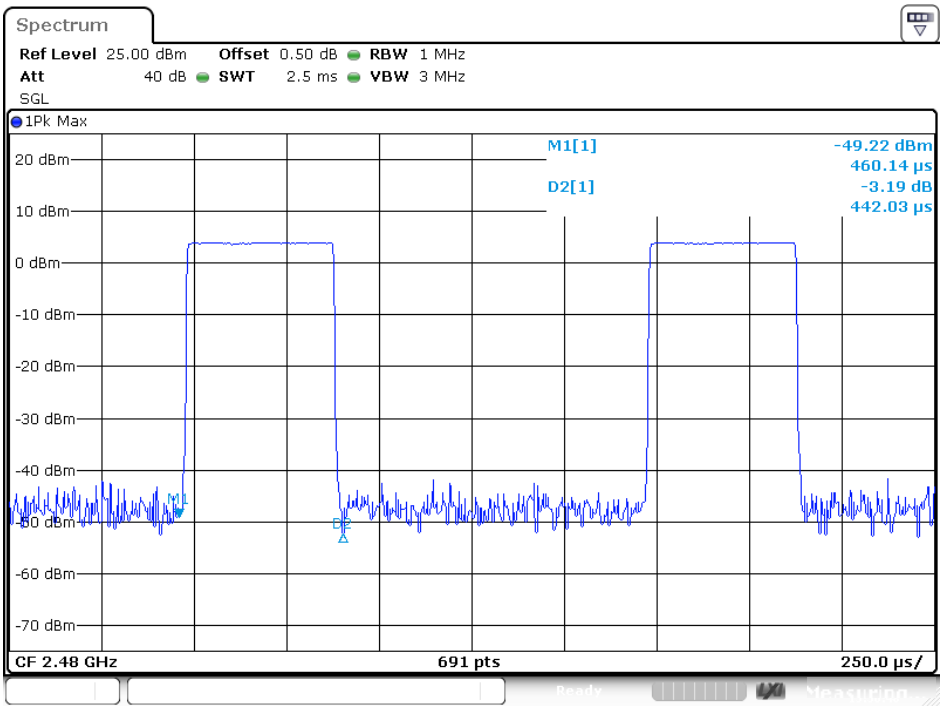
DH1 Low channel



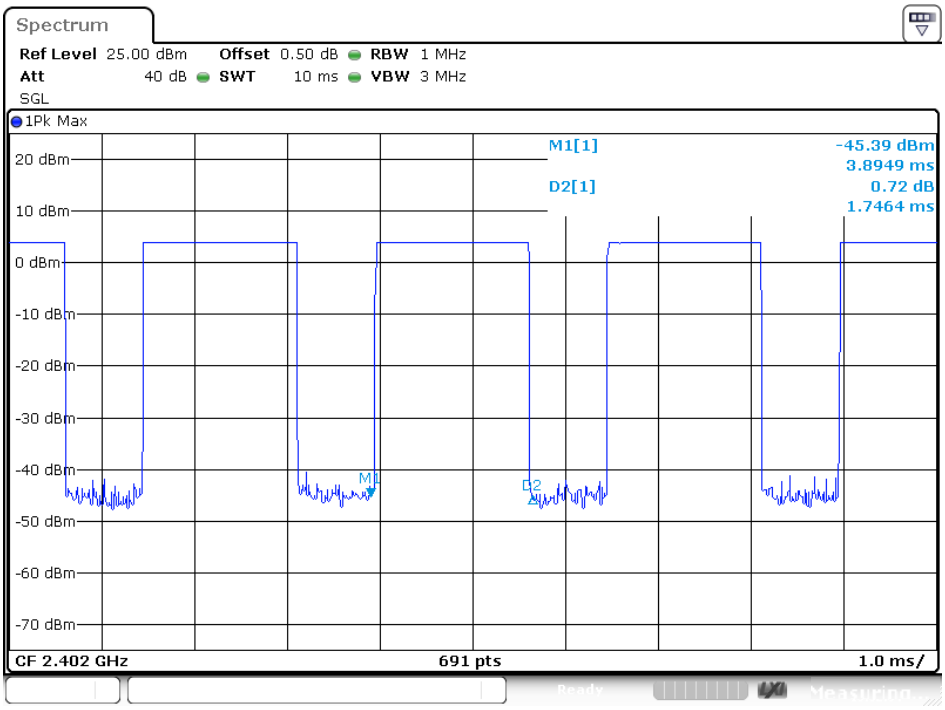
DH1 Middle channel



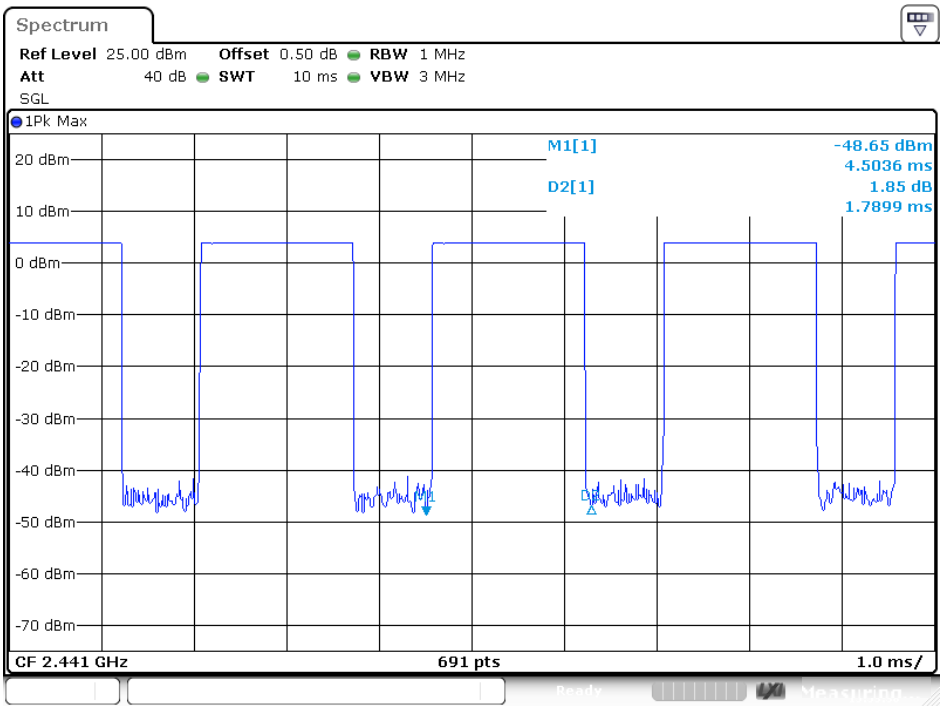
DH1 High channel



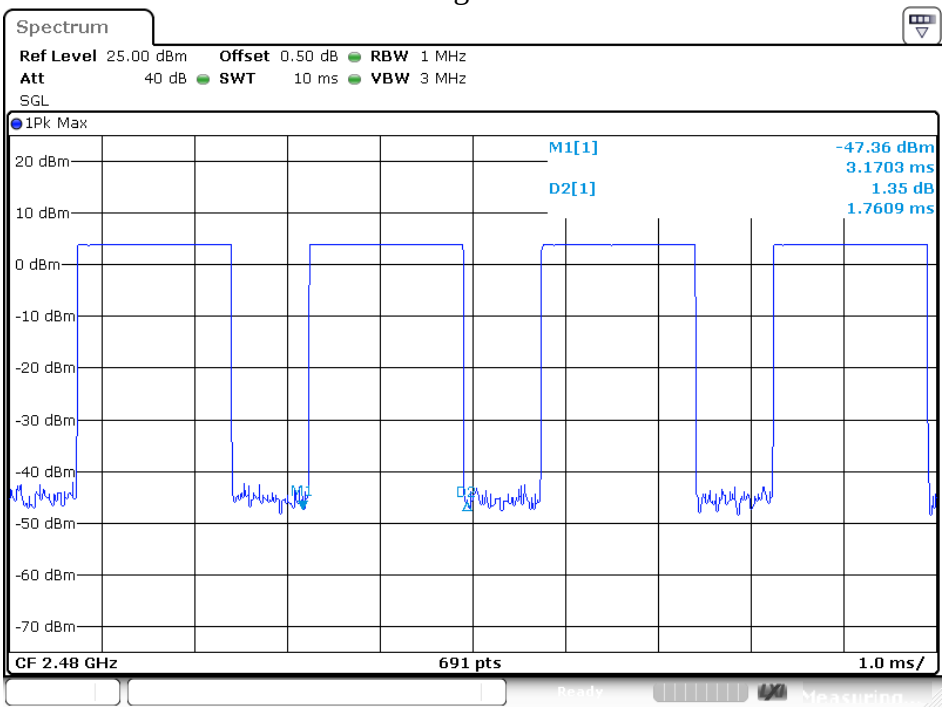
DH3 Low channel



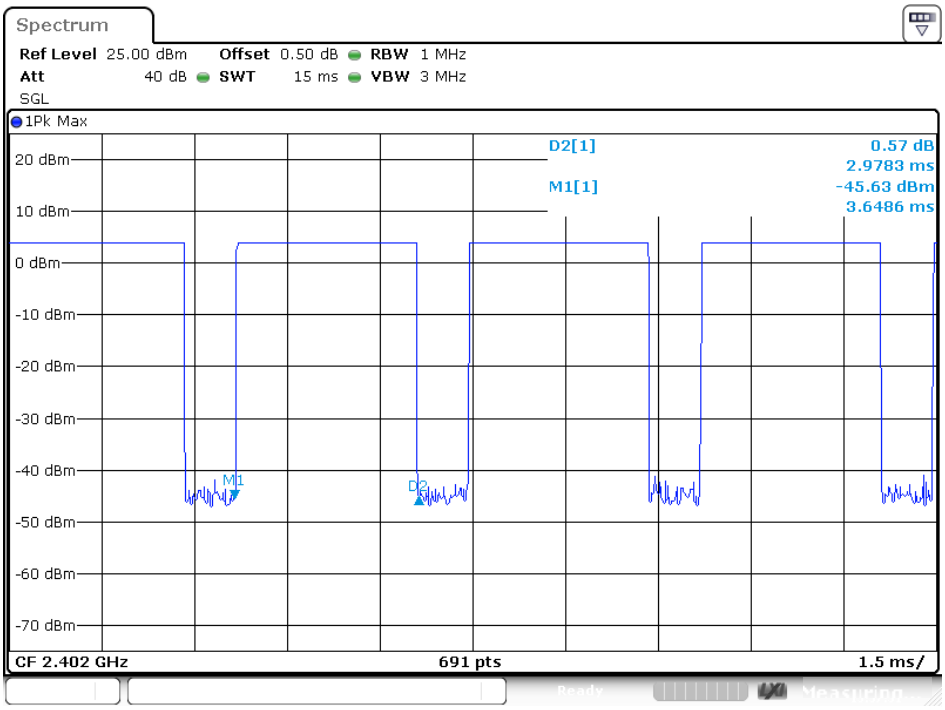
DH3 Middle channel



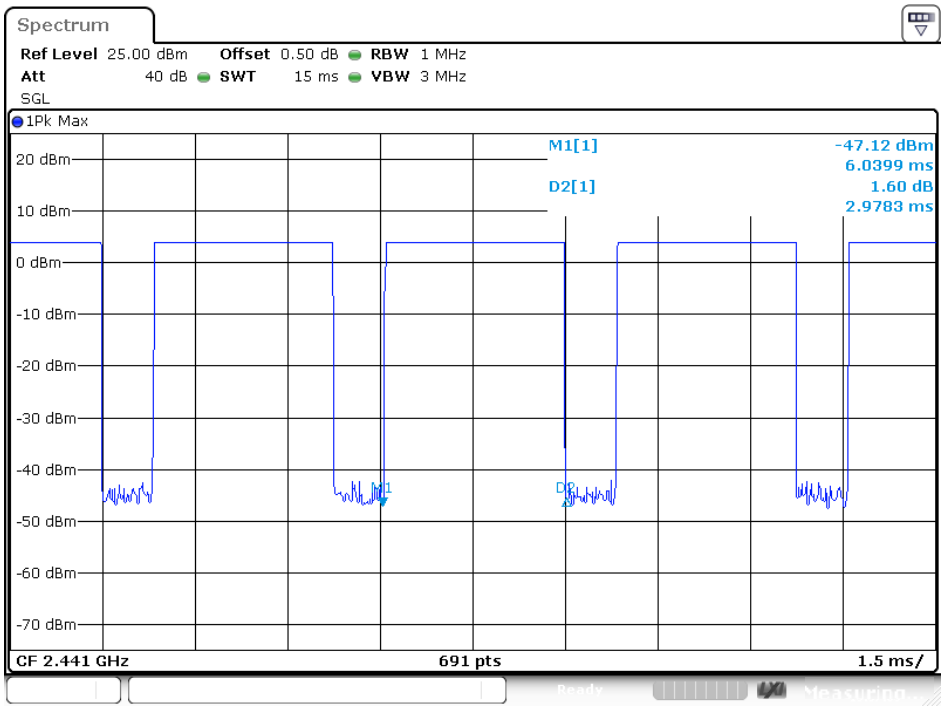
DH3 High channel



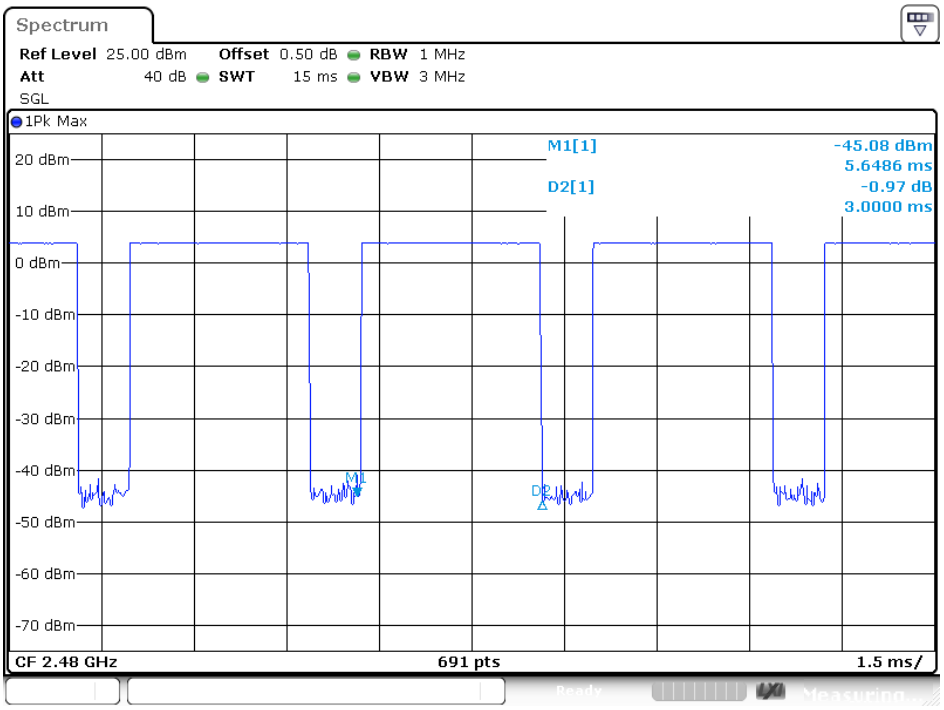
DH5 Low channel



DH5 Middle channel

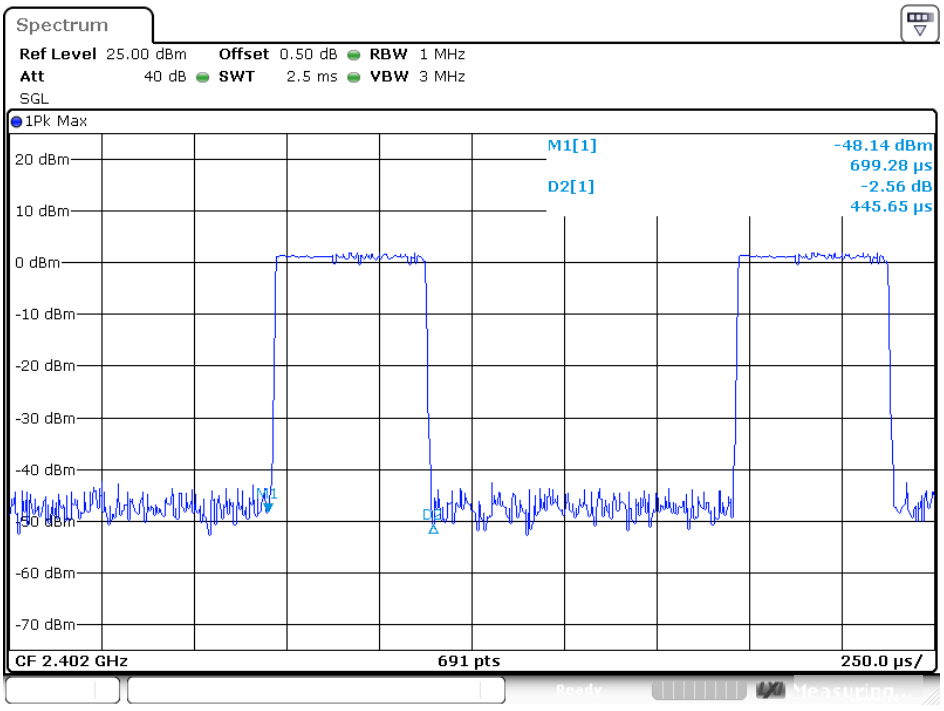


DH5 High channel

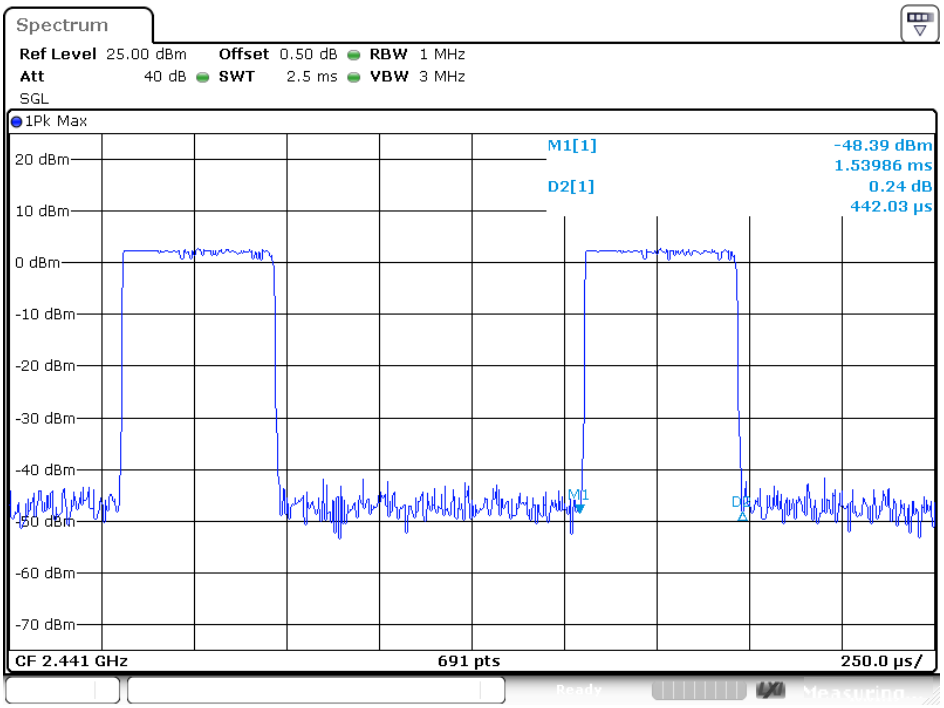


Π/4-DQPSK

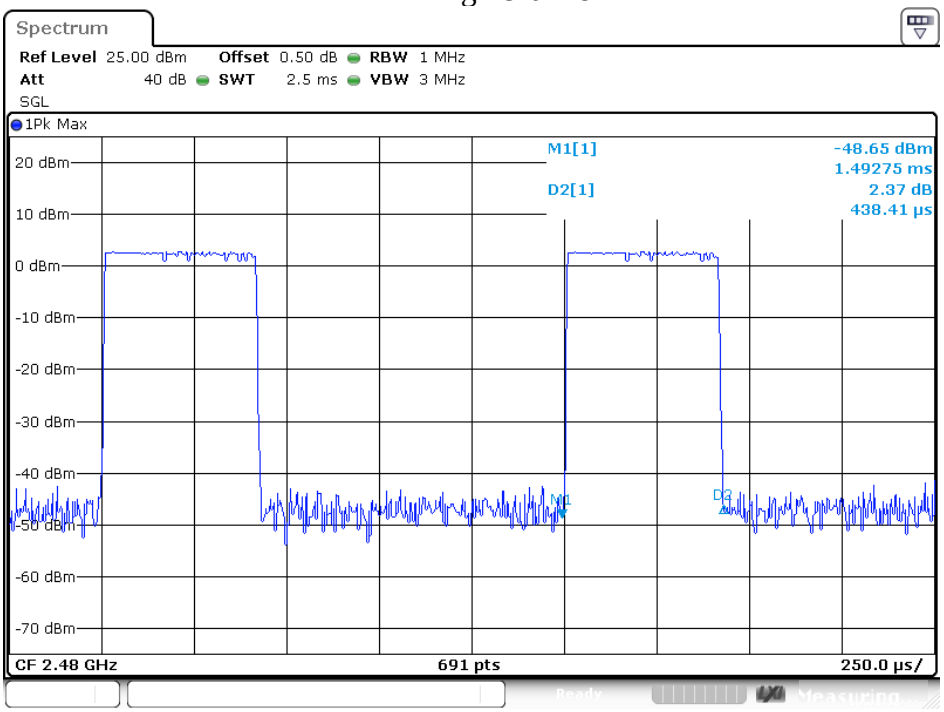
2DH1 Low channel



2DH1 Middle channel



2DH1 High channel



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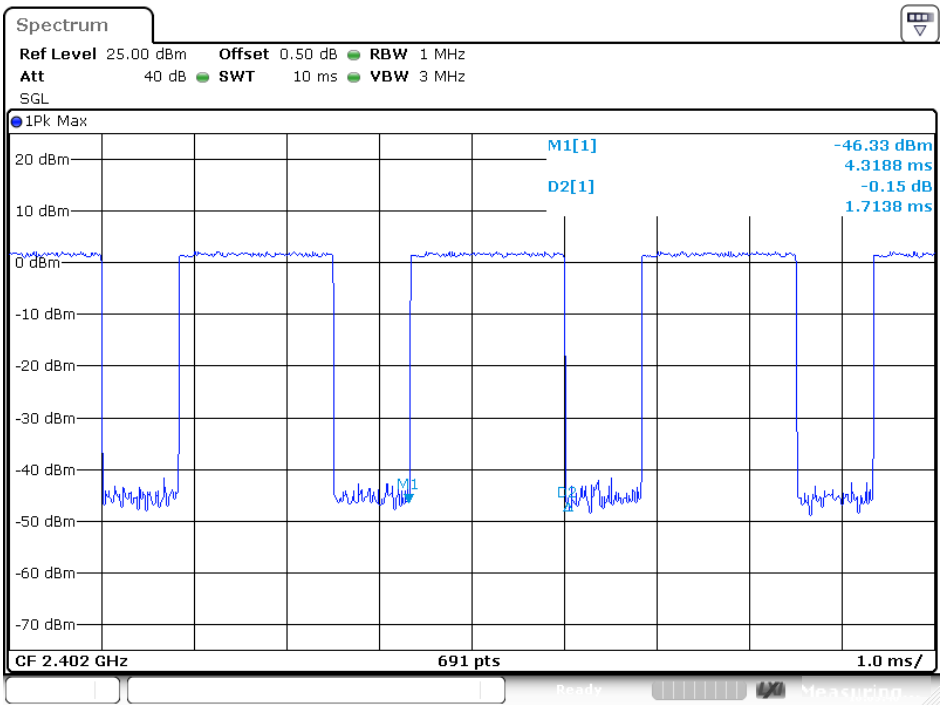
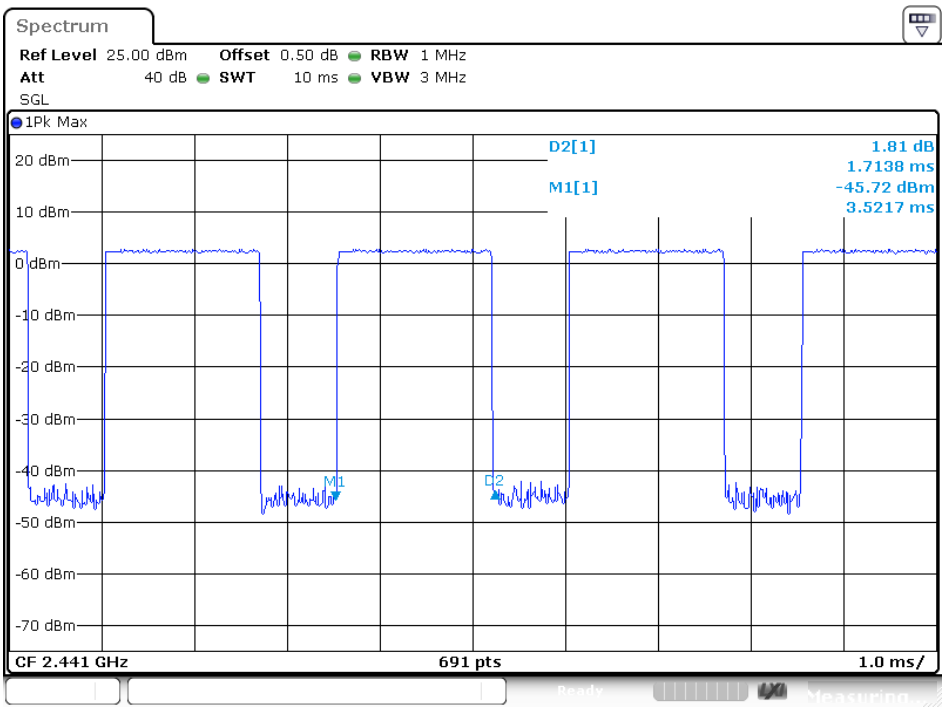
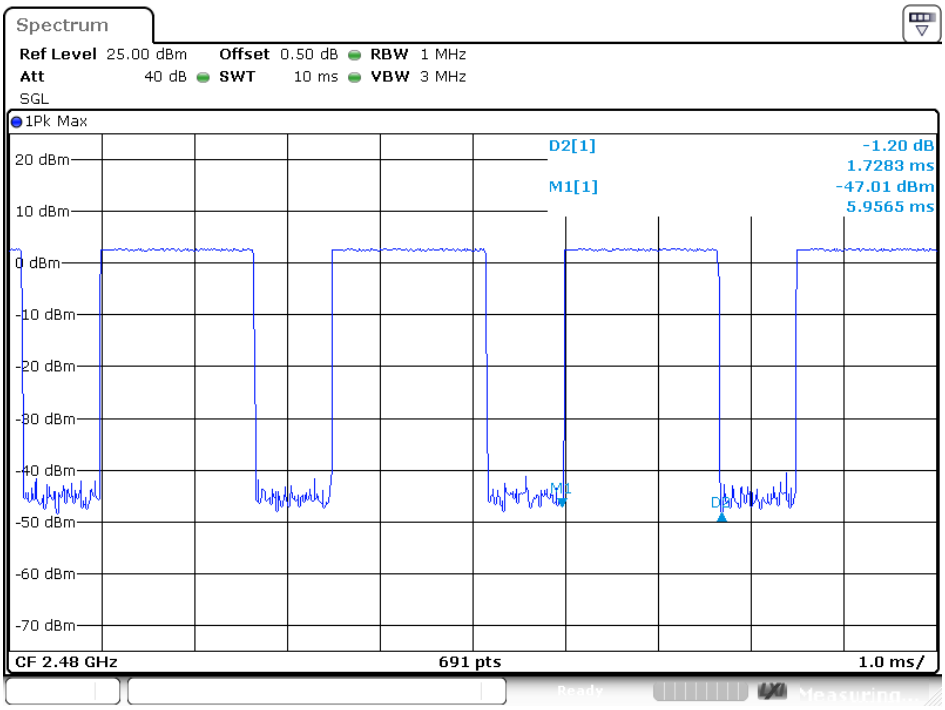


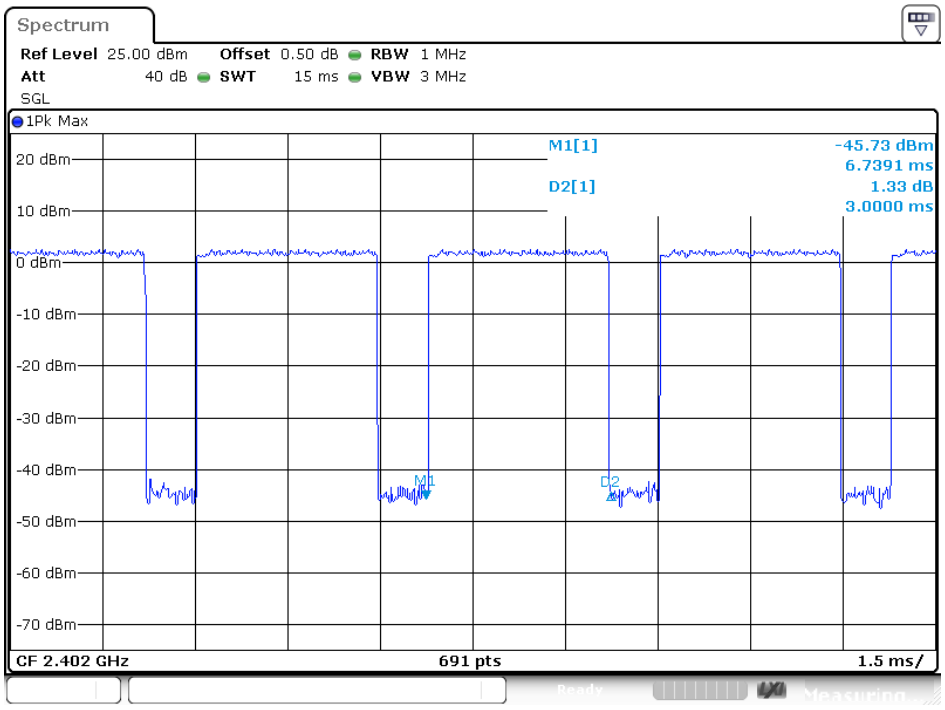
2DH3 Middle channel



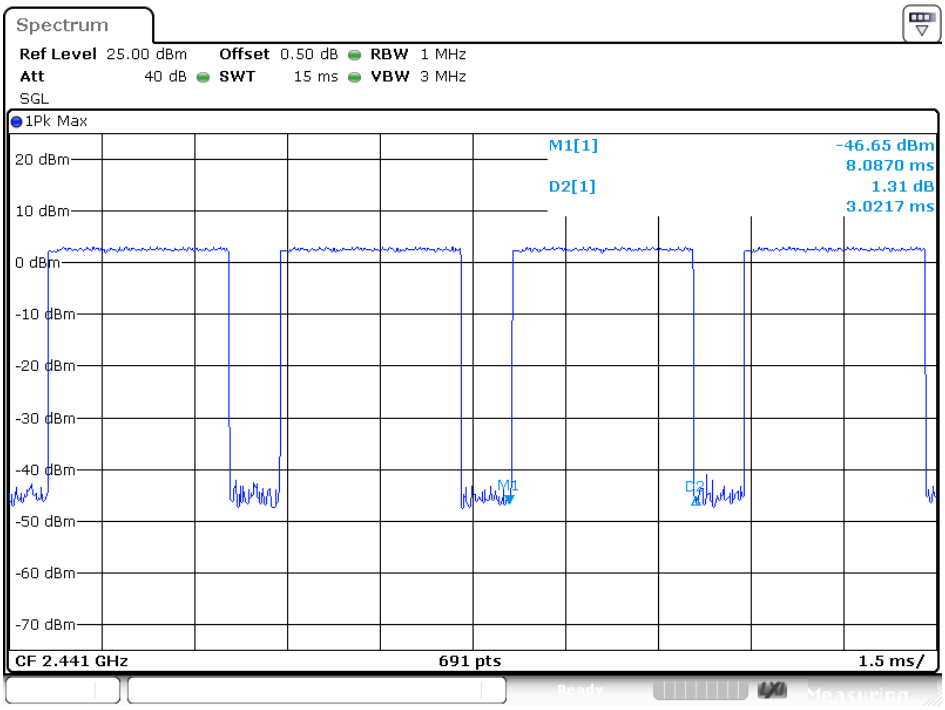
2DH3 High channel



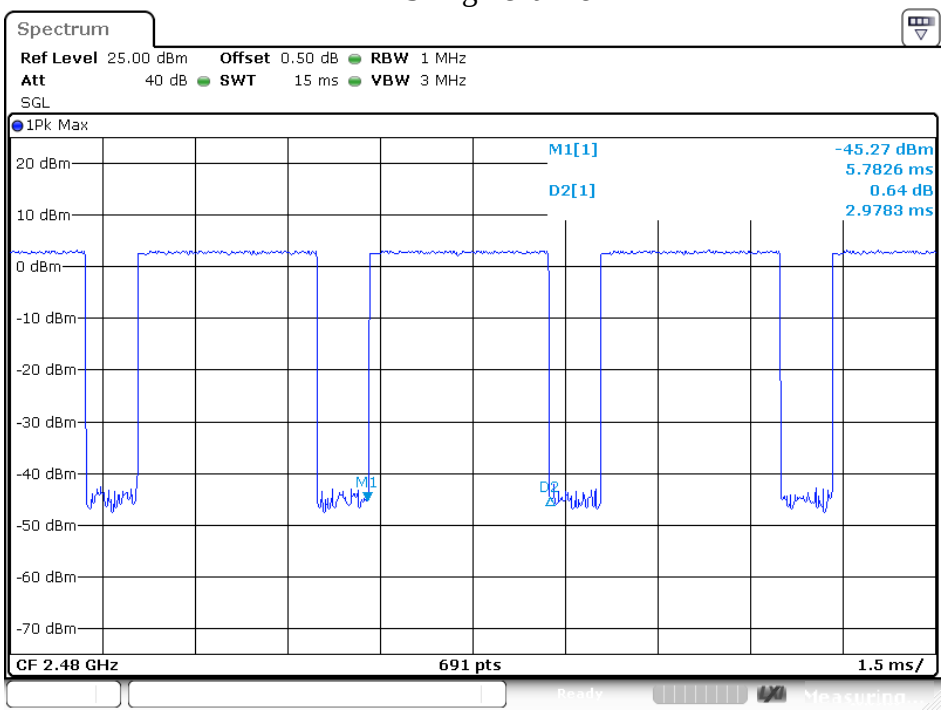
2DH5 Low channel



2DH5 Middle channel

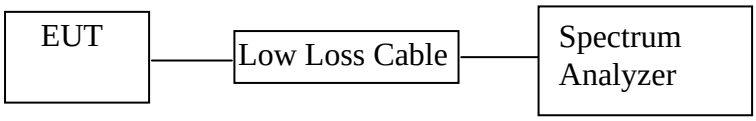


2DH5 High channel



9. MAXIMUM PEAK OUTPUT POWER TEST

9.1.Block Diagram of Test Setup



(EUT: Wireless Light-UP Stereo Headphones)

9.2.The Requirement For Section 15.247(b)(1)

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

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 (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

9.5.Test Procedure

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

9.5.2.Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz for GFSK mode

9.5.3.Set RBW of spectrum analyzer to 3MHz and VBW to 10MHz for other mode

9.5.4.Measurement the maximum peak output power.

9.6.Test Result

GFSK Mode

Channel	Frequency (MHz)	Peak Output Power (dBm/W)	Limits dBm / W
Low	2402	4.28/0.0027	30 / 1.0
Middle	2441	4.24/0.0027	30 / 1.0
High	2480	4.10/0.0026	30 / 1.0

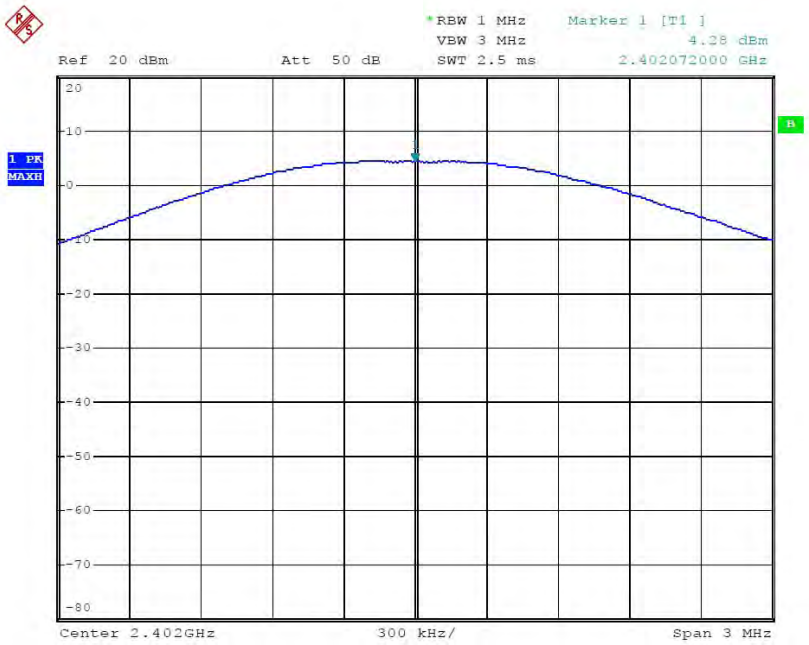
∏/4-DQPSK Mode

Channel	Frequency (MHz)	Peak Output Power (dBm/W)	Limits dBm / W
Low	2402	3.36/0.0022	21 / 0.125
Middle	2441	3.78/0.0024	21 / 0.125
High	2480	4.06/0.0025	21 / 0.125

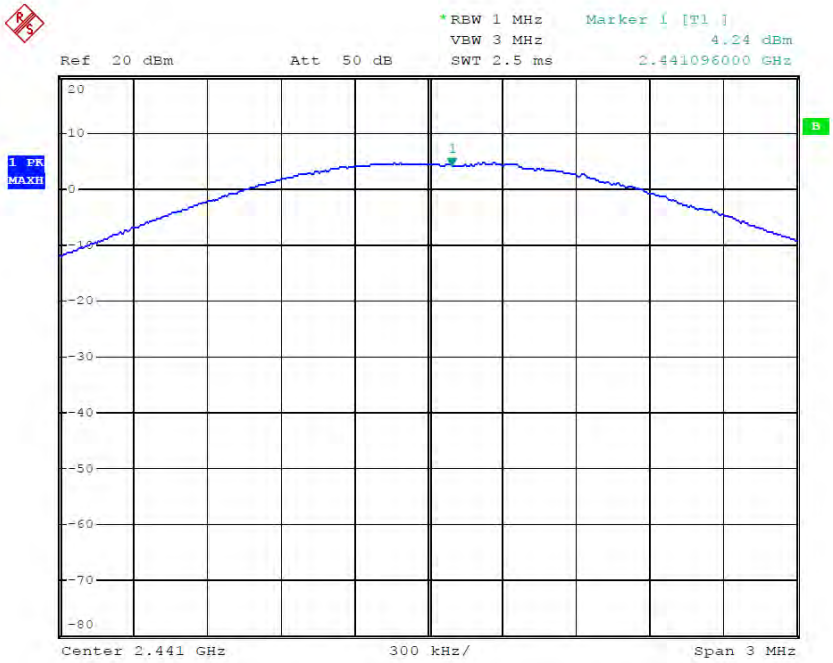
The spectrum analyzer plots are attached as below.

GFSK Mode

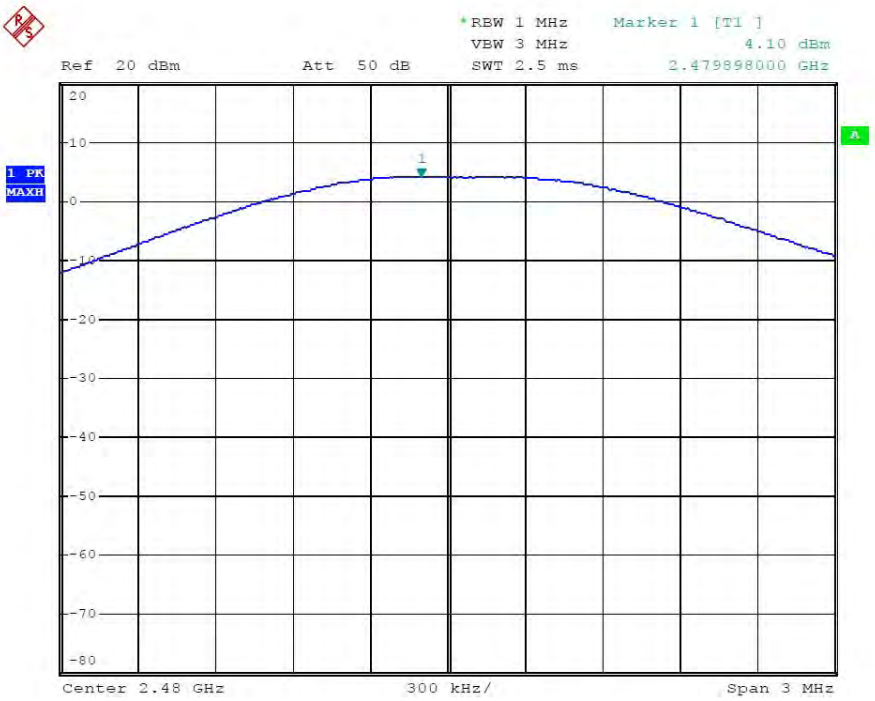
Low channel



Middle channel

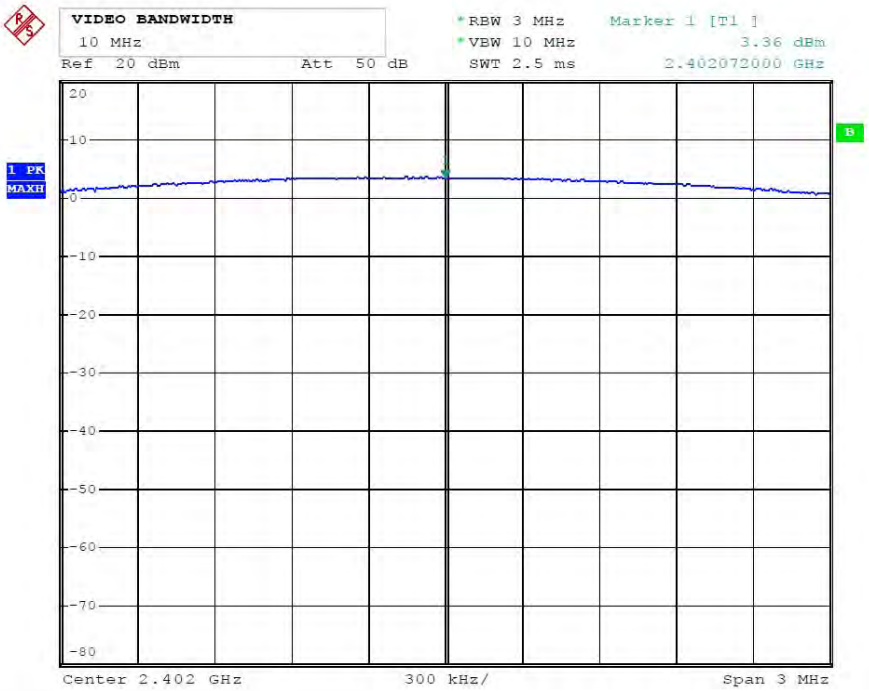


High channel

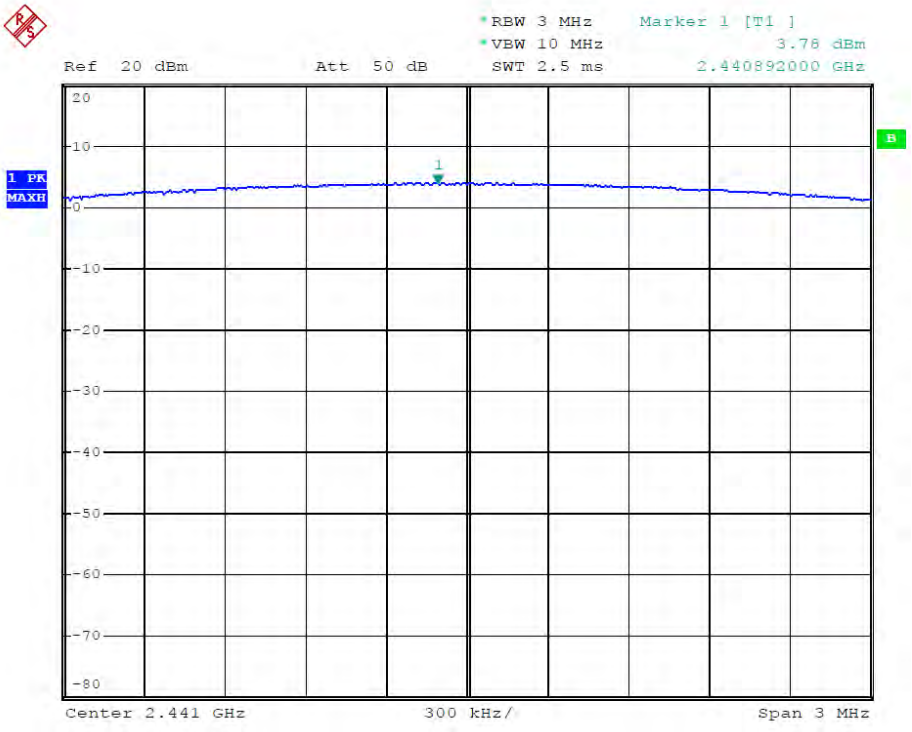


Π/4-DQPSK Mode

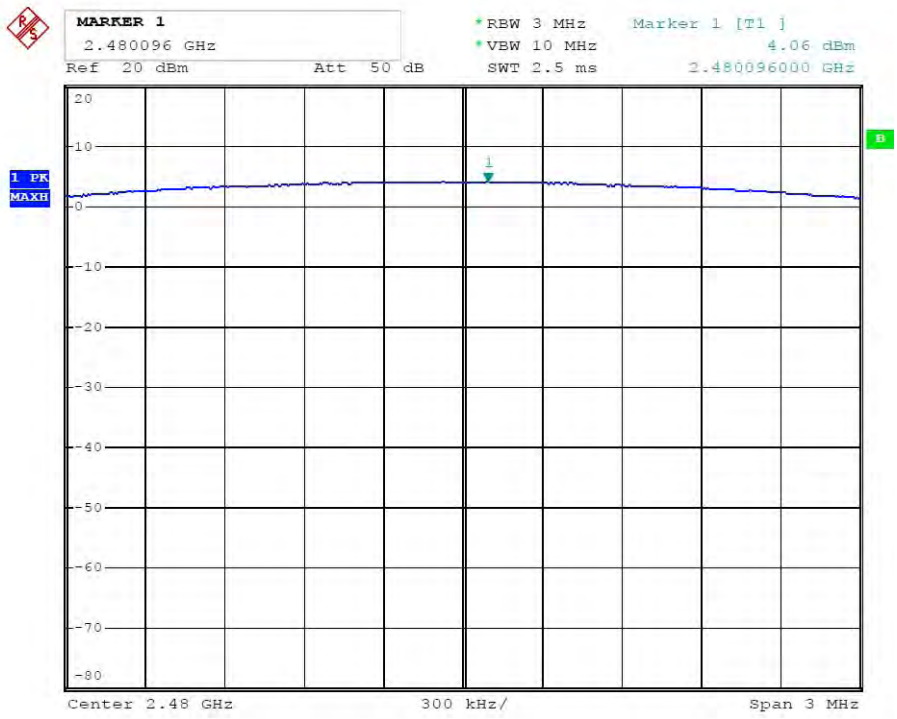
Low channel



Middle channel



High channel



10.RADIATED EMISSION TEST

10.1.Block Diagram of Test Setup

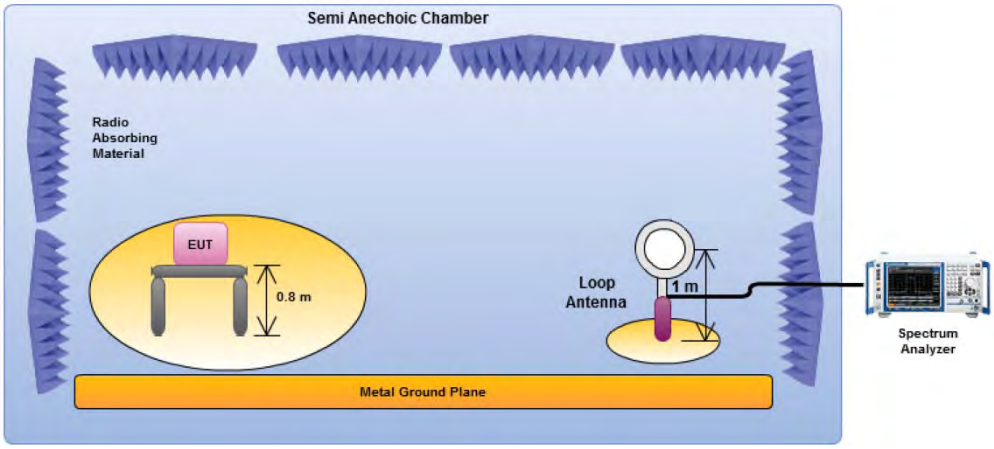
10.1.1.Block diagram of connection between the EUT and peripherals

EUT

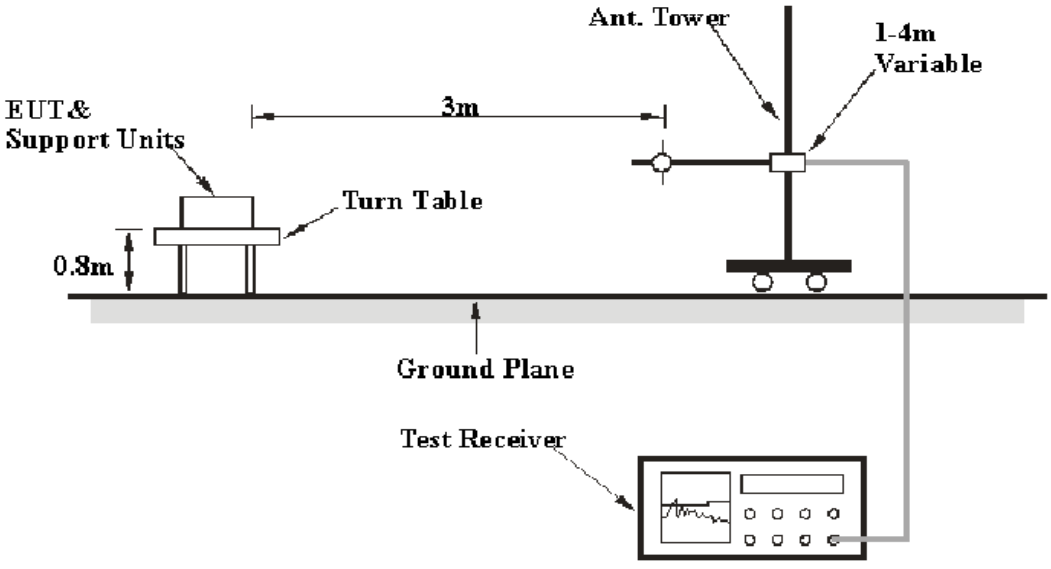
Figure 1 Setup: Transmitting mode

10.1.2.Semi-Anechoic Chamber Test Setup Diagram

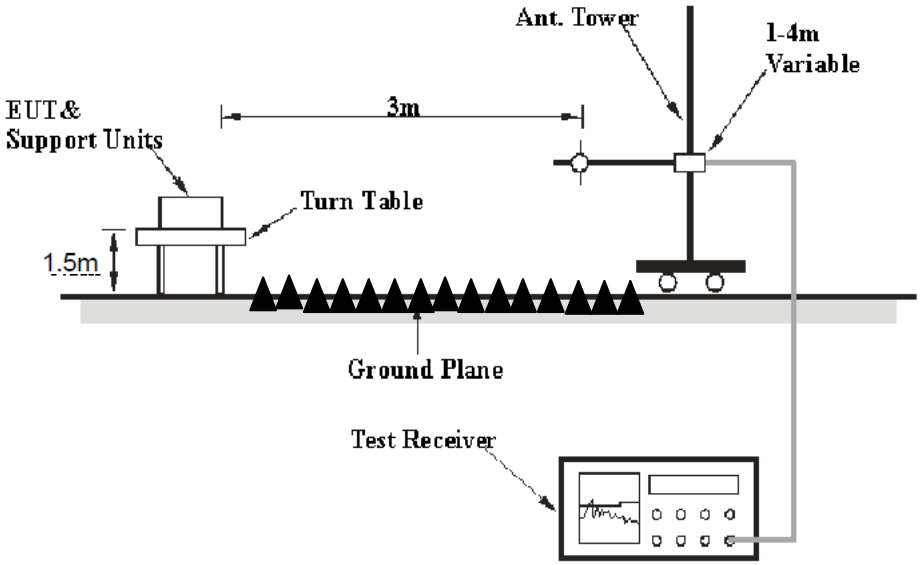
Below 30MHz



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			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510
[2]Above 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 Section15.209 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 is 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.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.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

10.6.Data Sample

Frequency(MHz)	Reading (dBμv)	Factor (dB/m)	Result (dBμv/m)	Limit (dBμv/m)	Margin (dB)	Remark
xx.xxxx	29.46	-12.53	16.93	40.00	-23.07	QP

Frequency(MHz) = Emission frequency in MHz
Reading(dBμv) = Uncorrected Analyzer/Receiver reading
Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain
Result(dBμv/m) = Reading(dBμv) + Factor(dB/m)
Limit (dBμv/m) = Limit stated in standard
Margin (dB) = Result(dBμv/m) - Limit (dBμv/m)
QP = Quasi-peak Reading

Calculation Formula:
Margin(dB) = Result (dBμV/m)–Limit(dBμV/m)
Result(dBμV/m)= Reading(dBμV)+ 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.

10.7.The Field Strength of Radiation Emission Measurement Results

PASS.

Note:

1. We tested GFSK mode, Π/4-DQPSK Mode and recorded the worst case data

(GFSK mode) for all test mode.

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

3. *: Denotes restricted band of operation.

4. The radiation emissions from 9kHz-30MHz and 18-26.5GHz are not reported, because the test values lower than the limits of 20dB.

Adapter 1 test data: Below 1GHz

ACCURATE TECHNOLOGY CO., LTD.
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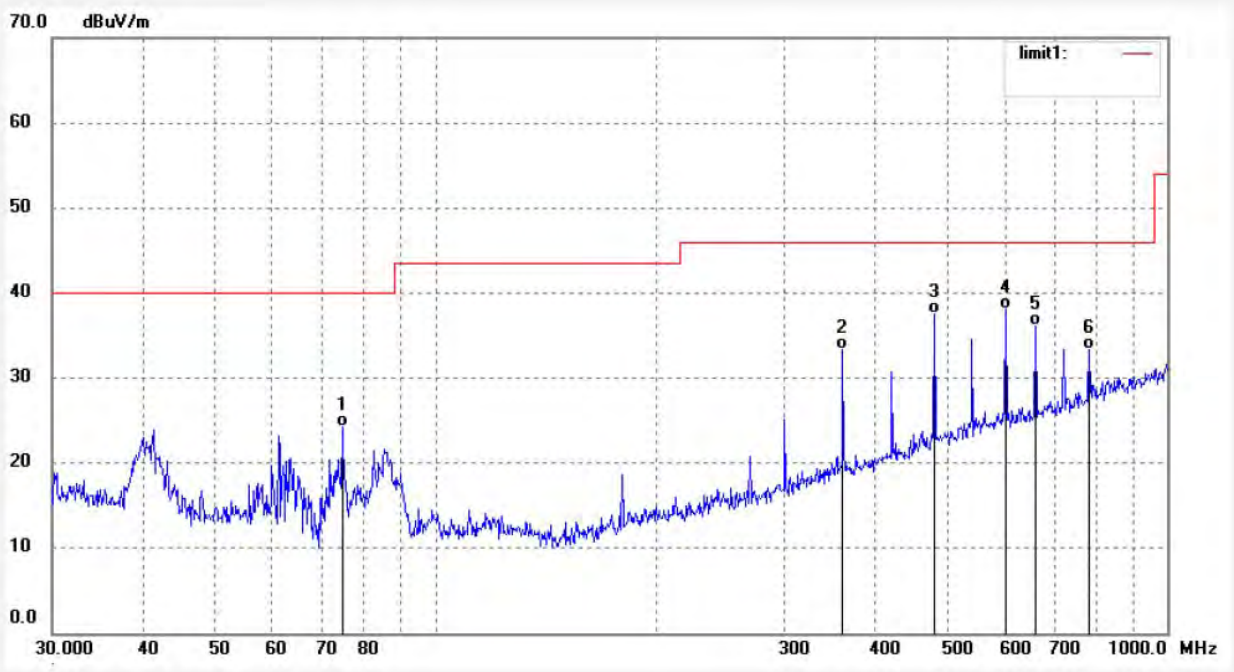
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: FRANK2018 #499	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2018-7-2
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 15:28:19
EUT: Wireless Light-UP Stereo Headphone	Engineer Signature: FRANK
Mode: TX2402MHz(GFSK)	Distance: 3m
Model: 74496	
Manufacturer: GOOD EVER TRADING LIMITED	

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.6568	40.86	-16.66	24.20	40.00	-15.80	QP	100	30	
2	360.4476	40.53	-7.26	33.27	46.00	-12.73	QP	100	201	
3	480.5276	42.42	-4.88	37.54	46.00	-8.46	QP	100	156	
4	601.4265	40.48	-2.37	38.11	46.00	-7.89	QP	100	64	
5	661.1503	37.81	-1.59	36.22	46.00	-9.78	QP	100	56	
6	782.3451	32.91	0.41	33.32	46.00	-12.68	QP	100	153	

ACCURATE TECHNOLOGY CO., LTD.
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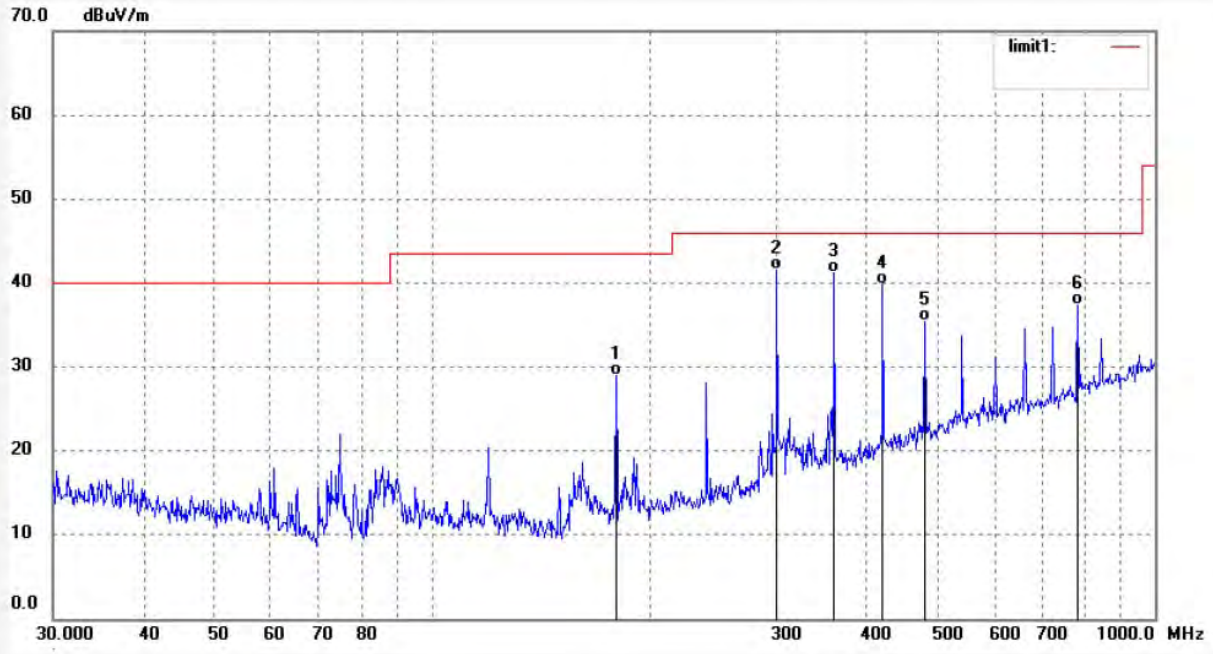
Fax:+86-0755-26503396

Job No.: FRANK2018 #500
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2402MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2018-7-2
Time: 15:31:33
Engineer Signature: FRANK
Distance: 3m

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	180.0165	42.25	-13.33	28.92	43.50	-14.58	QP	200	211	
2	300.3672	50.61	-9.01	41.60	46.00	-4.40	QP	200	321	
3	360.4476	48.55	-7.26	41.29	46.00	-4.71	QP	200	21	
4	420.5803	45.50	-5.75	39.75	46.00	-6.25	QP	200	101	
5	480.5276	40.34	-4.88	35.46	46.00	-10.54	QP	200	45	
6	782.3451	36.91	0.41	37.32	46.00	-8.68	QP	200	320	

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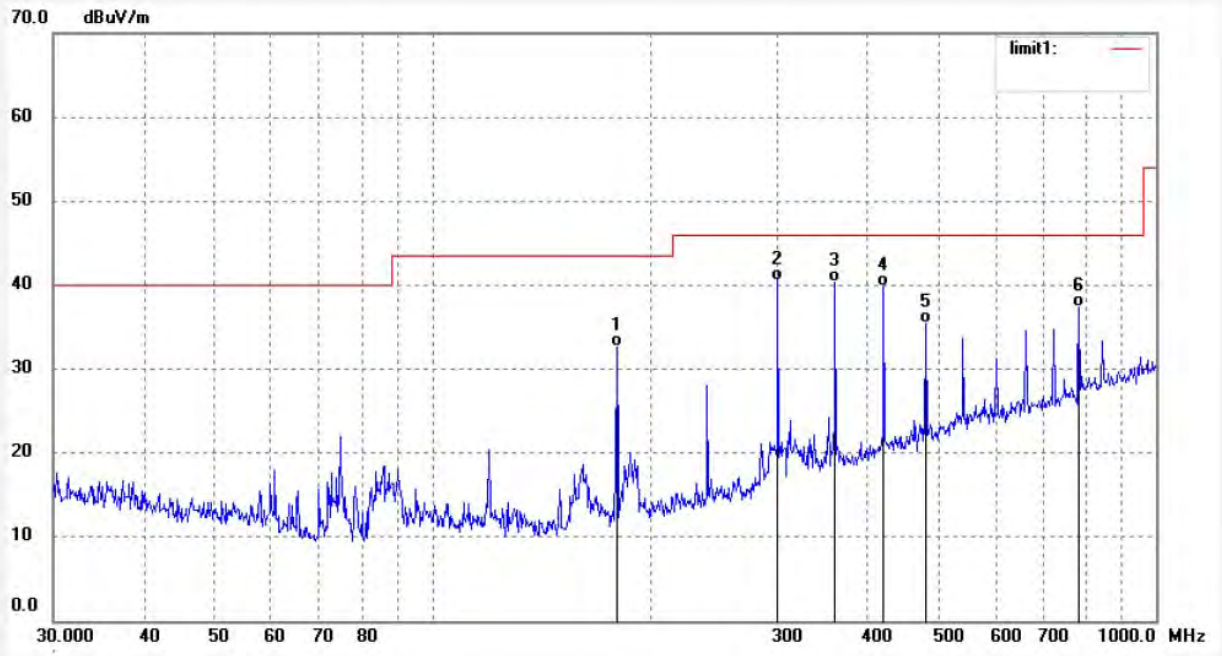
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: FRANK2018 #501
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2441MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2018-7-2
Time: 15:34:35
Engineer Signature: FRANK
Distance: 3m

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	180.0165	45.91	-13.33	32.58	43.50	-10.92	QP	200	301	
2	300.3672	49.61	-9.01	40.60	46.00	-5.40	QP	200	212	
3	360.4476	47.55	-7.26	40.29	46.00	-5.71	QP	200	256	
4	420.5803	45.50	-5.75	39.75	46.00	-6.25	QP	200	120	
5	480.5276	40.34	-4.88	35.46	46.00	-10.54	QP	200	64	
6	782.3451	36.91	0.41	37.32	46.00	-8.68	QP	200	213	

ACCURATE TECHNOLOGY CO., LTD.
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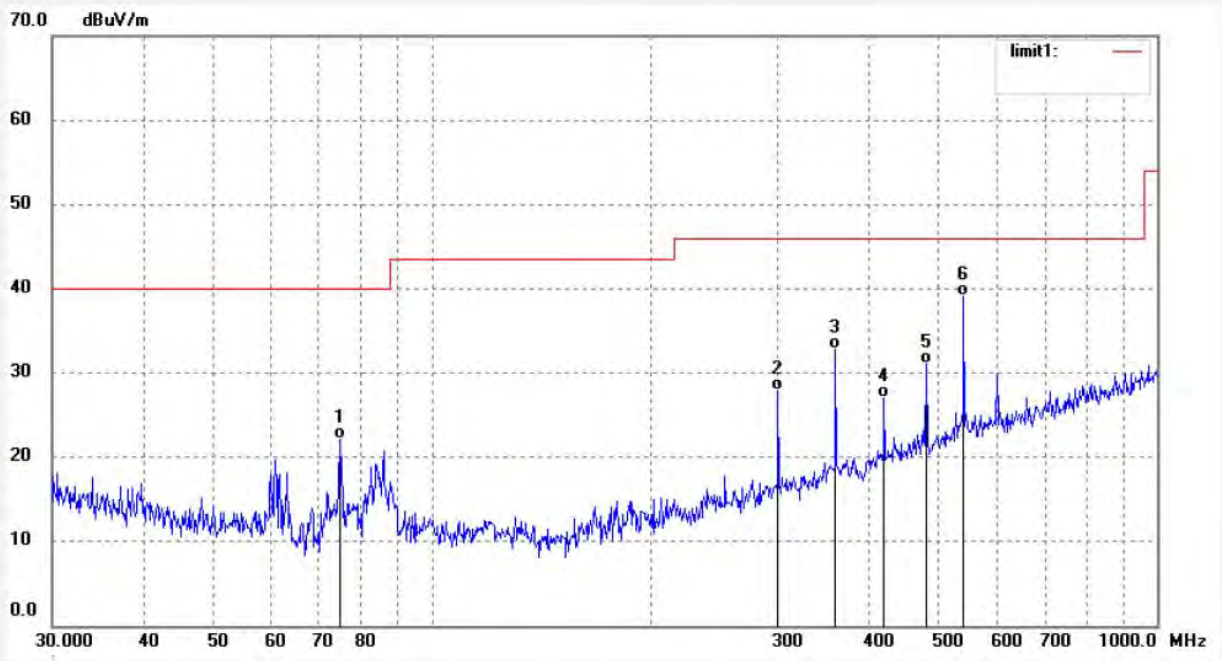
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: FRANK2018 #502
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2441MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 2018-7-2
Time: 15:37:49
Engineer Signature: FRANK
Distance: 3m

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.6568	38.79	-16.66	22.13	40.00	-17.87	QP	100	230	
2	300.3672	36.97	-9.01	27.96	46.00	-18.04	QP	100	156	
3	360.4476	40.07	-7.26	32.81	46.00	-13.19	QP	100	235	
4	420.5803	32.76	-5.75	27.01	46.00	-18.99	QP	100	201	
5	480.5276	35.93	-4.88	31.05	46.00	-14.95	QP	100	54	
6	541.3723	42.38	-3.31	39.07	46.00	-6.93	QP	100	301	

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Site: 2# Chamber
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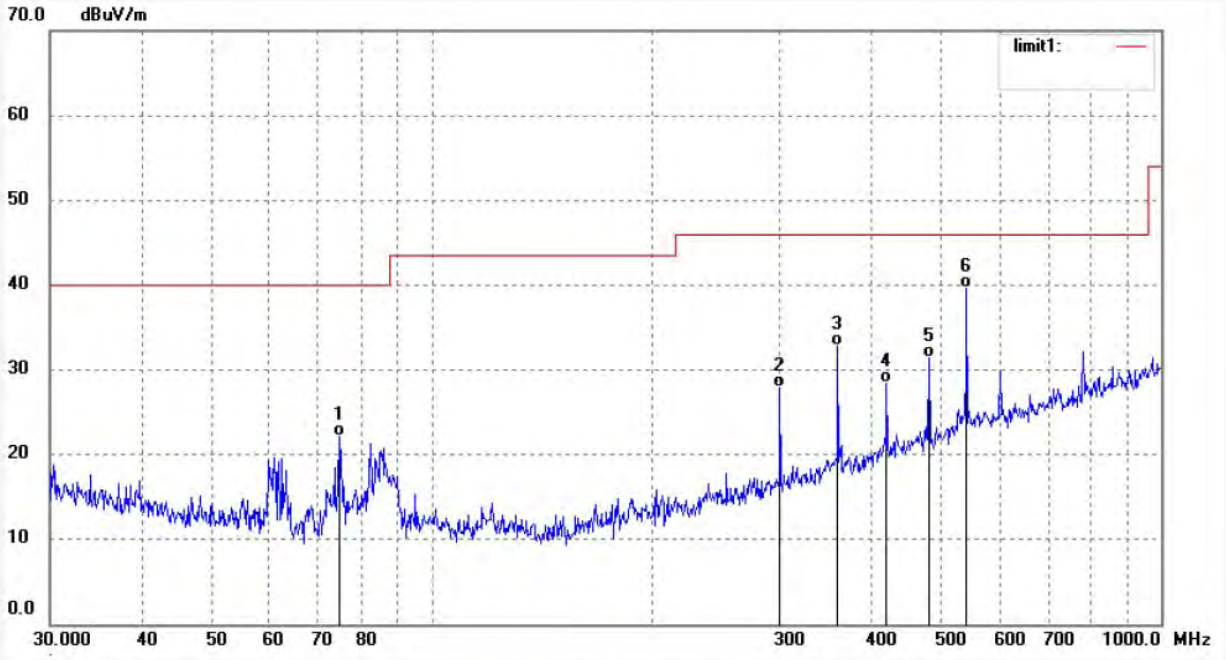
Fax:+86-0755-26503396

Job No.: FRANK2018 #503
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 2018-7-2
Time: 15:41:52
Engineer Signature: FRANK
Distance: 3m

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.6568	38.79	-16.66	22.13	40.00	-17.87	QP	100	120	
2	300.3672	36.97	-9.01	27.96	46.00	-18.04	QP	100	64	
3	360.4476	40.07	-7.26	32.81	46.00	-13.19	QP	100	165	
4	420.5803	34.19	-5.75	28.44	46.00	-17.56	QP	100	215	
5	480.5276	36.22	-4.88	31.34	46.00	-14.66	QP	100	201	
6	541.3723	42.95	-3.31	39.64	46.00	-6.36	QP	100	310	

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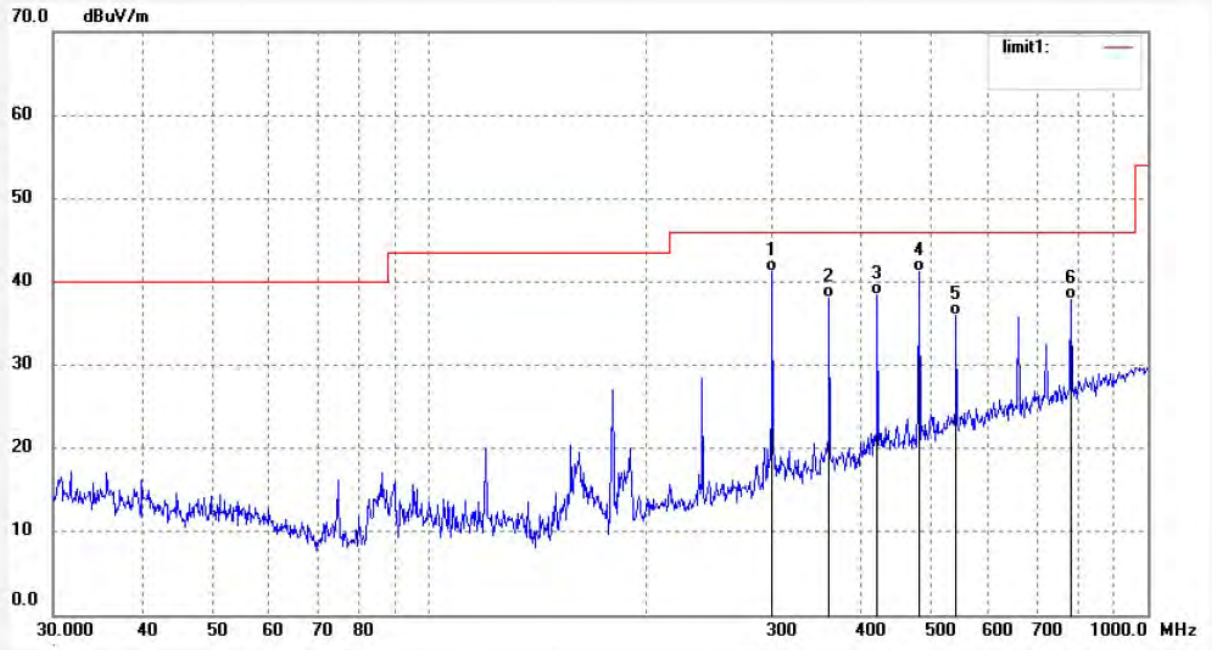
Job No.: FRANK2018 #504
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2018-7-2
Time: 15:45:08
Engineer Signature: FRANK
Distance: 3m

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	300.3672	50.28	-9.01	41.27	46.00	-4.73	QP	200	305	
2	360.4476	45.25	-7.26	37.99	46.00	-8.01	QP	200	116	
3	420.5803	44.24	-5.75	38.49	46.00	-7.51	QP	200	40	
4	480.5276	46.03	-4.88	41.15	46.00	-4.85	QP	200	159	
5	541.3723	39.32	-3.31	36.01	46.00	-9.99	QP	200	210	
6	782.3451	37.40	0.41	37.81	46.00	-8.19	QP	200	301	

Above 1GHz

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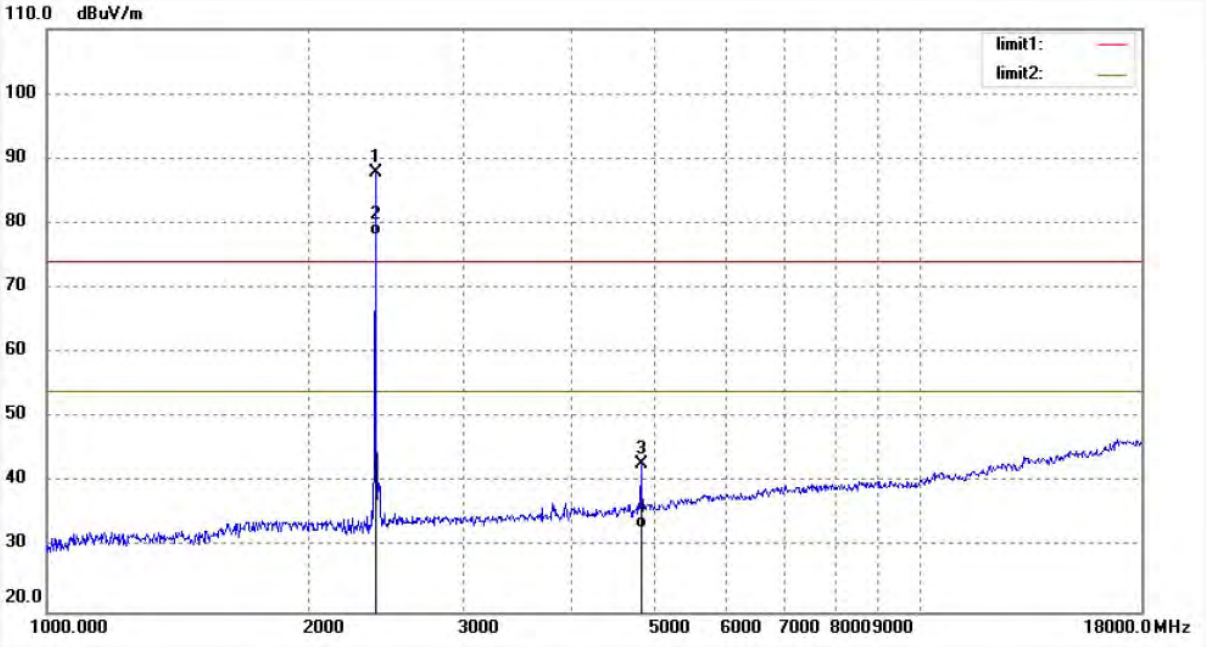
Job No.: frank2018 #853	Polarization: Vertical
Standard: FCC PK	Power Source: DC 3.7V
Test item: Radiation Test	Date: 18/07/03/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/03/36
EUT: Wireless Light-UP Stereo Headphone	Engineer Signature: frank
Mode: TX2402MHz(GFSK)	Distance:
Model: 74496	
Manufacturer: GOOD EVER TRADING LIMITED	

Note: Report NO.:ATE20181077



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	95.84	-8.03	87.81			peak	200	120	
2	2402.000	86.21	-8.03	78.18			AVG	150	154	
3	4804.000	45.20	-2.30	42.90	74.00	-31.10	peak	200	65	
4	4804.000	35.15	-2.30	32.85	54.00	-21.15	AVG	150	115	

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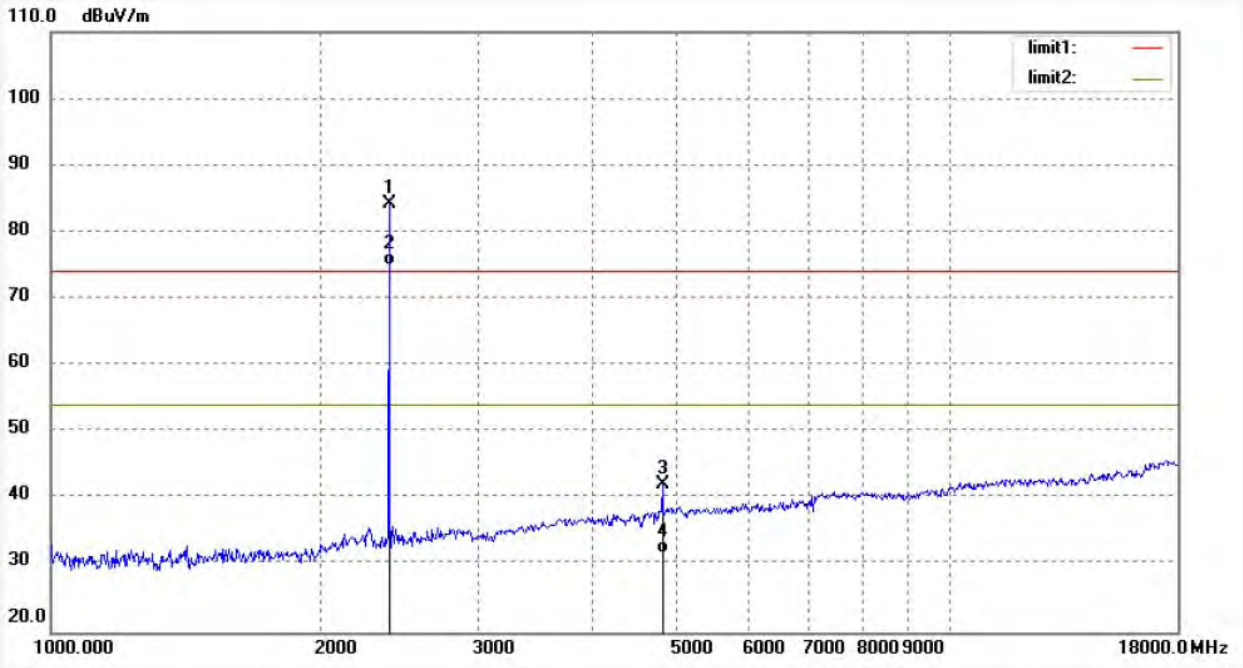
Job No.: frank2018 #854
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2402MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/05/59
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



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	92.34	-8.03	84.31			peak	200	162	
2	2402.000	83.15	-8.03	75.12			AVG	200	33	
3	4804.000	44.37	-2.30	42.07	74.00	-31.93	peak	200	100	
4	4804.000	34.14	-2.30	31.84	54.00	-22.16	AVG	200	52	

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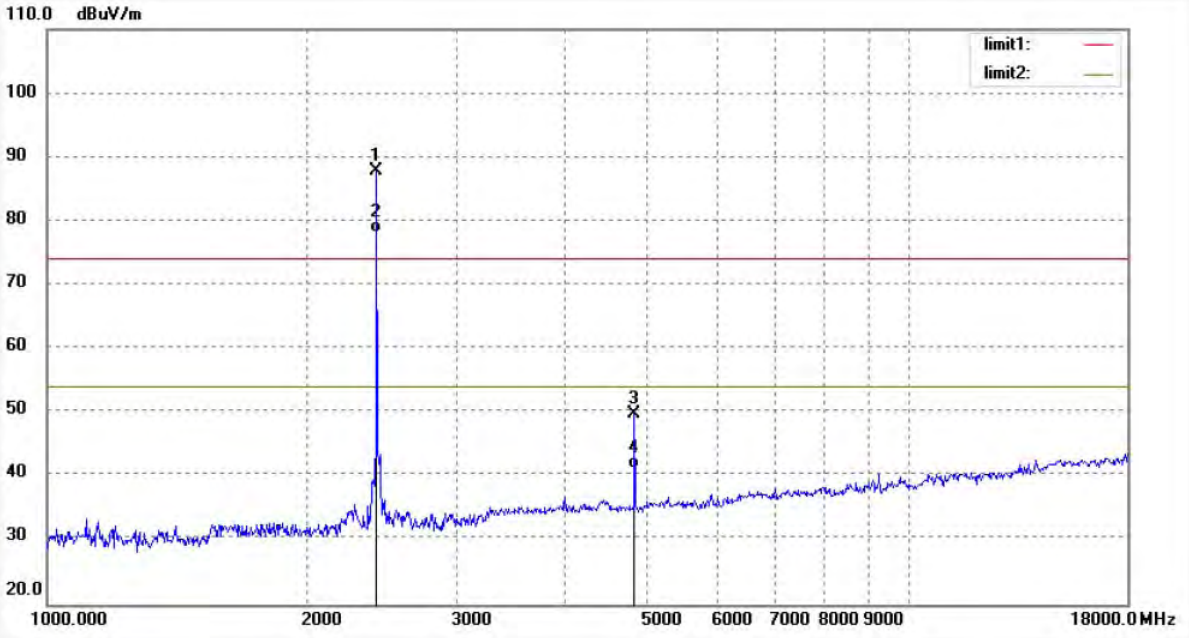
Job No.: frank2018 #855
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2441MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/09/04
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	95.77	-7.93	87.84			peak	200	320	
2	2441.000	86.12	-7.93	78.19			AVG	150	159	
3	4882.000	52.01	-2.25	49.76	74.00	-24.24	peak	200	46	
4	4882.000	43.48	-2.25	41.23	54.00	-12.77	AVG	150	166	

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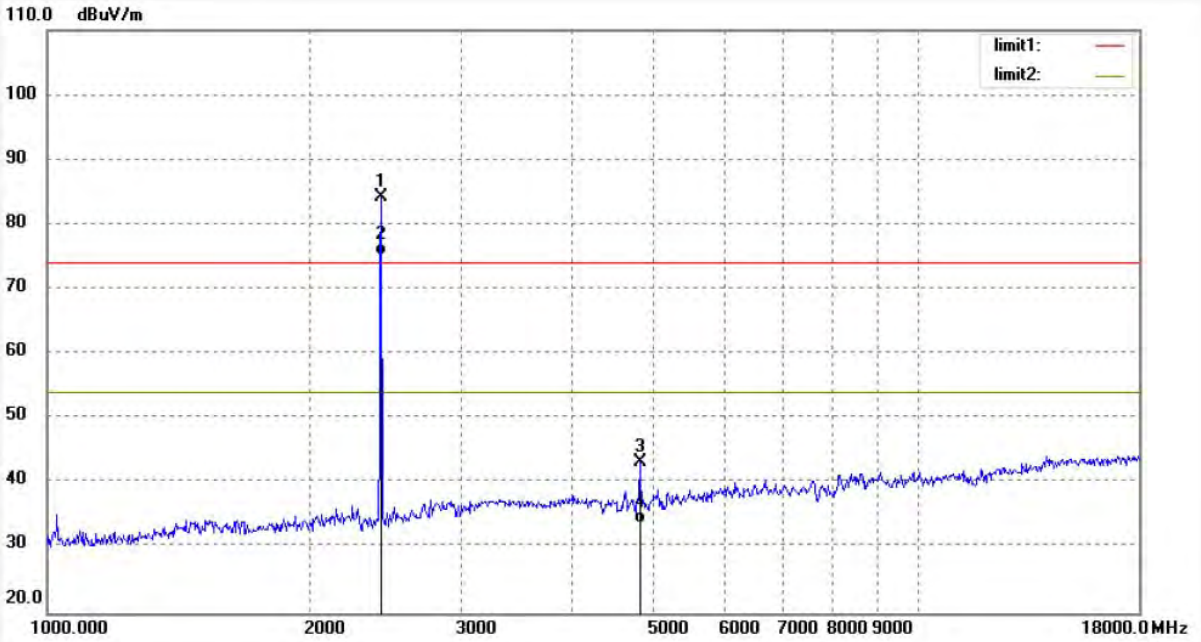
Job No.: frank2018 #857
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2441MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/11/49
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	92.12	-7.91	84.21			peak	250	132	
2	2441.000	83.18	-7.91	75.27			AVG	200	198	
3	4882.000	45.51	-2.30	43.21	74.00	-30.79	peak	250	62	
4	4882.000	36.15	-2.30	33.85	54.00	-20.15	AVG	200	164	

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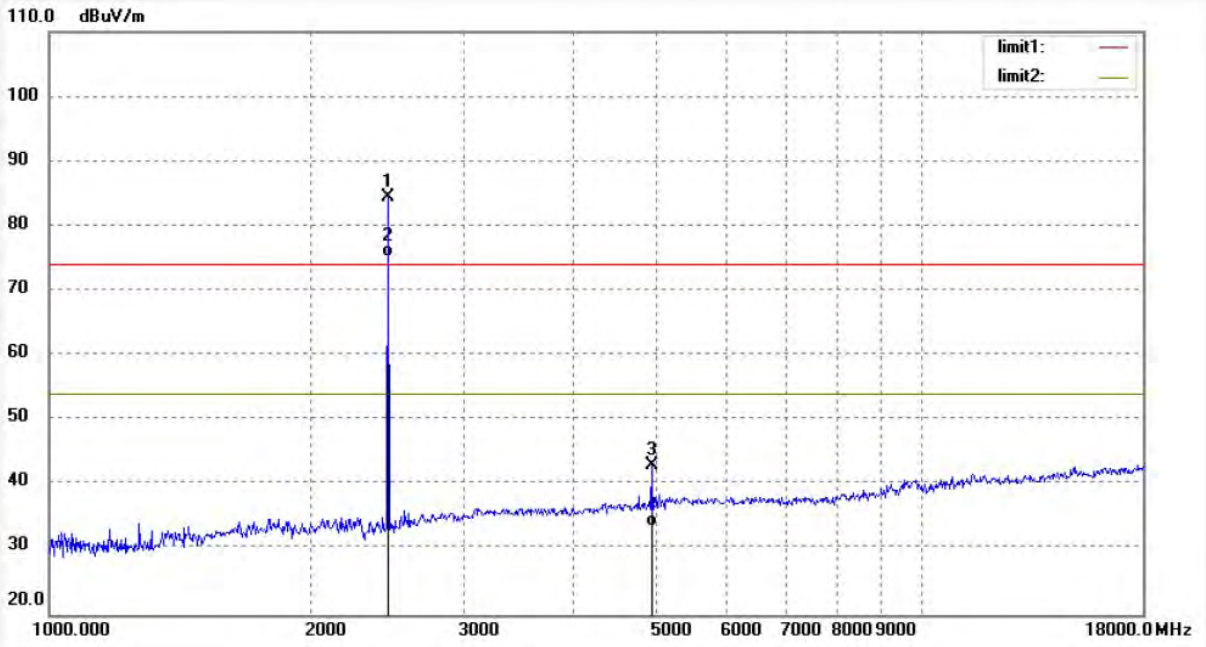
Job No.: frank2018 #858
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/14/06
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



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	92.41	-7.84	84.57			peak	250	32	
2	2480.000	83.15	-7.84	75.31			AVG	250	165	
3	4960.000	45.01	-1.92	43.09	74.00	-30.91	peak	250	78	
4	4960.000	35.48	-1.92	33.56	54.00	-20.44	AVG	200	159	

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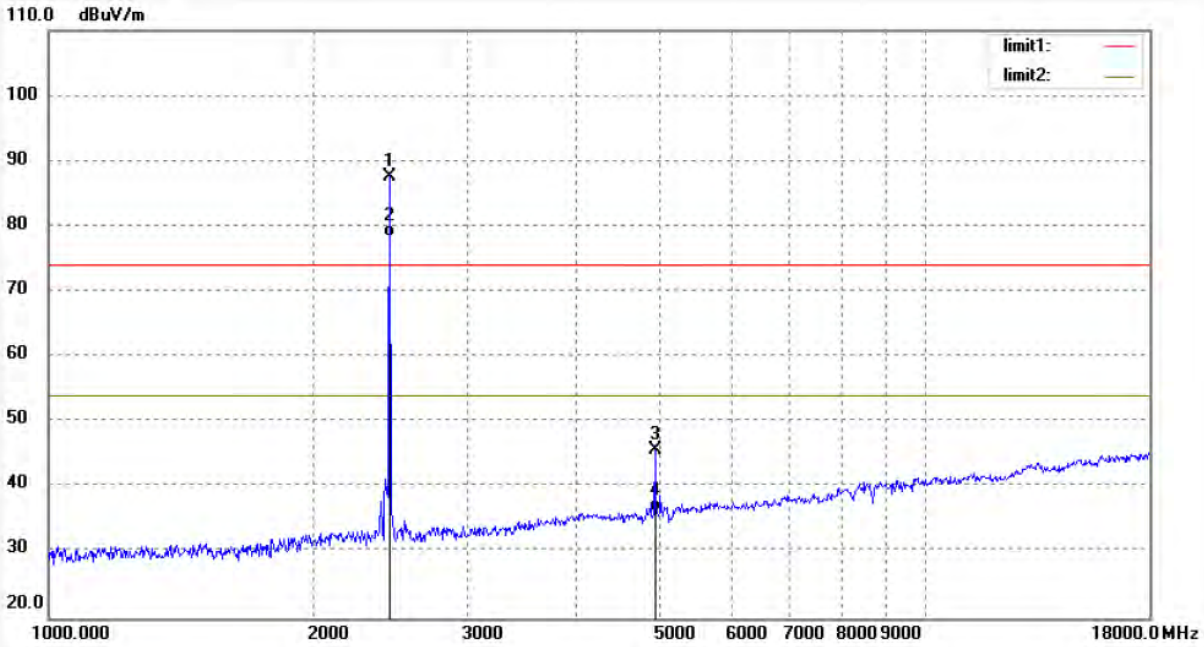
Job No.: frank2018 #859
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/17/16
Engineer Signature: frank
Distance:

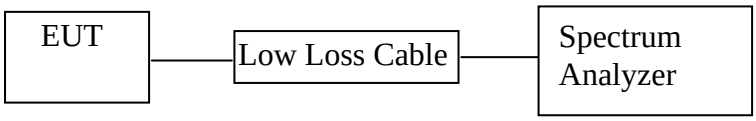
Note: Report NO.:ATE20181077



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	95.46	-7.84	87.62			peak	200	320	
2	2480.000	86.15	-7.84	78.31			AVG	150	159	
3	4960.000	47.59	-1.92	45.67	74.00	-28.33	peak	200	44	
4	4960.000	38.15	-1.92	36.23	54.00	-17.77	AVG	150	148	

11.BAND EDGE COMPLIANCE TEST

11.1.Block Diagram of Test Setup



(EUT: Wireless Light-UP Stereo Headphones)

11.2.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).

11.3.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.

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in TX (Hopping off, Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2480MHz TX frequency to transmit.

11.5.Test Procedure

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

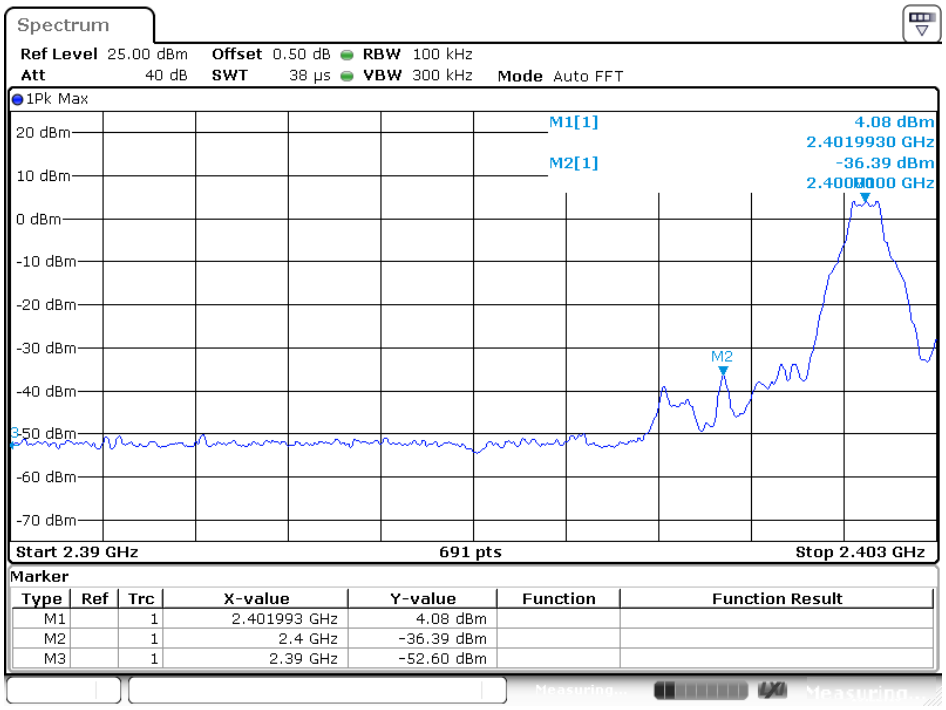
11.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz with convenient frequency span including 100 kHz bandwidth from band edge.

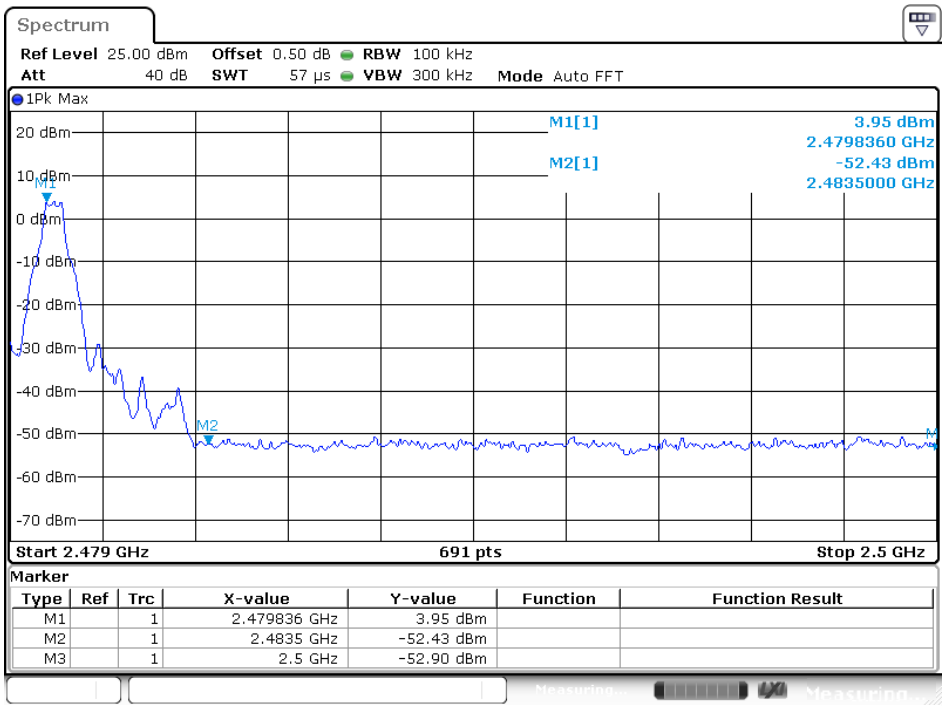
11.5.3.The band edges was measured and recorded.

11.6.Test Result

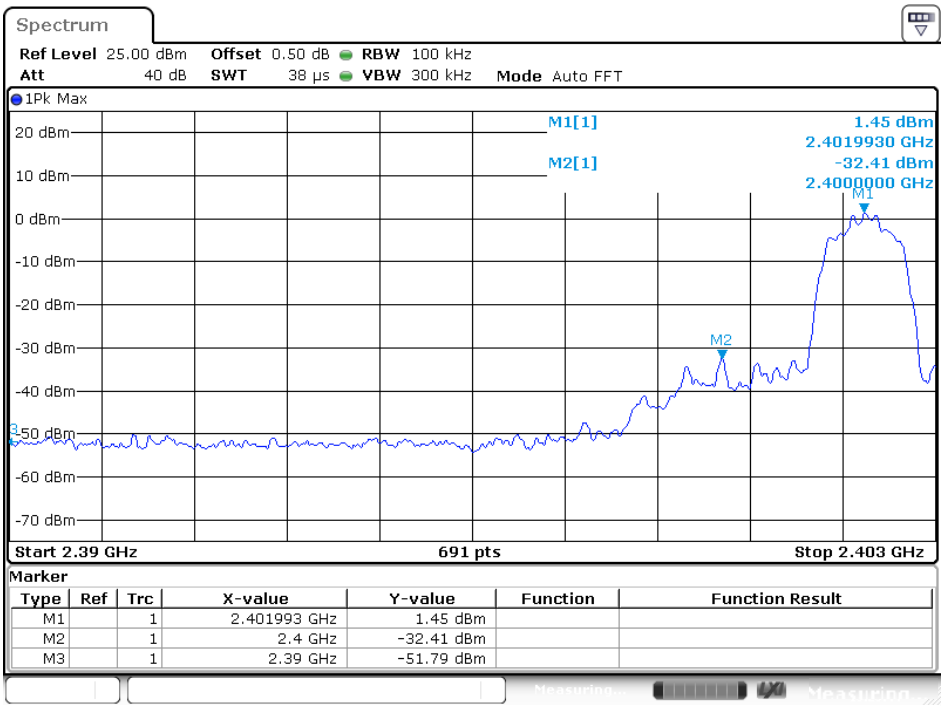
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
GFSK		
2400.00	40.47	> 20dBc
2483.50	56.38	> 20dBc
Π/4-DQPSK Mode		
2400.00	33.86	> 20dBc
2483.50	53.11	> 20dBc

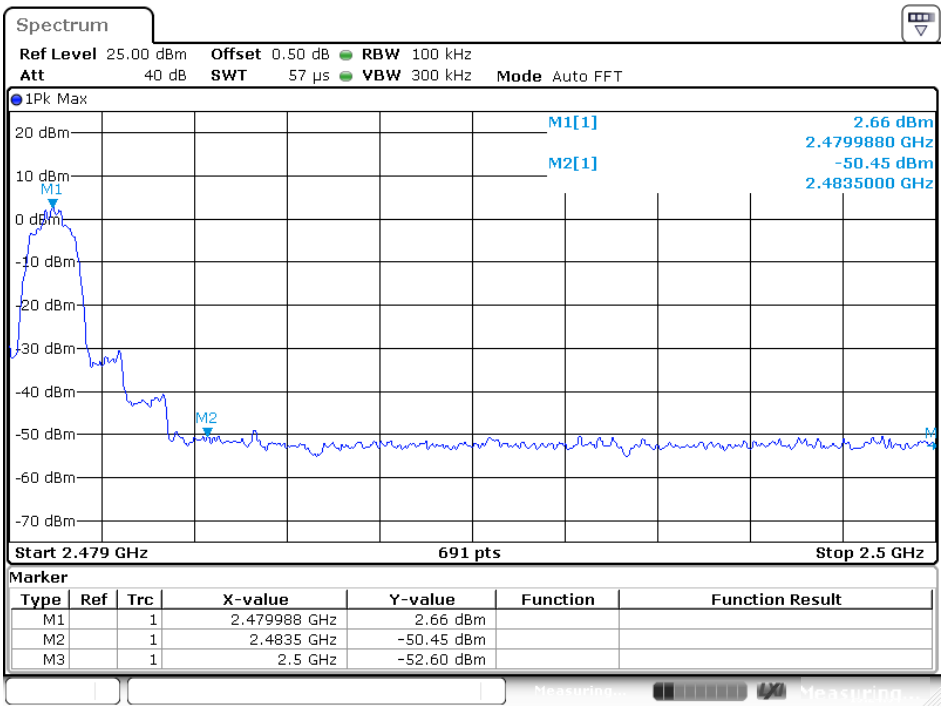
GFSK


Spectrum
Ref Level 25.00 dBm Offset 0.50 dB RBW 100 kHz
Att 40 dB SWT 38 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M1[1] 4.08 dBm
2.4019930 GHz
M2[1] -36.39 dBm
2.4000000 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
Start 2.39 GHz
691 pts
Stop 2.403 GHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.401993 GHz 4.08 dBm
M2 1 2.4 GHz -36.39 dBm
M3 1 2.39 GHz -52.60 dBm


Spectrum
Ref Level 25.00 dBm Offset 0.50 dB RBW 100 kHz
Att 40 dB SWT 57 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M1[1] 3.95 dBm
2.4798360 GHz
M2[1] -52.43 dBm
2.4835000 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
Start 2.479 GHz
691 pts
Stop 2.5 GHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.479836 GHz 3.95 dBm
M2 1 2.4835 GHz -52.43 dBm
M3 1 2.5 GHz -52.90 dBm

Π/4-DQPSK Mode





Radiated Band Edge Result

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.

Test Procedure:

The EUT and its simulators are placed on a turntable, which is 0.1 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.

Let the EUT work in TX (Hopping off, Hopping on) modes measure it.
We select 2402MHz, 2480MHz TX frequency to transmit(Hopping off mode).
We select 2402-2480MHz TX frequency to transmit(Hopping on mode).

During the radiated emission test, the spectrum analyzer was set with the following configurations:
1.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
2.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
3.All modes of operation were investigated and the worst-case emissions are reported.

Non-hopping mode

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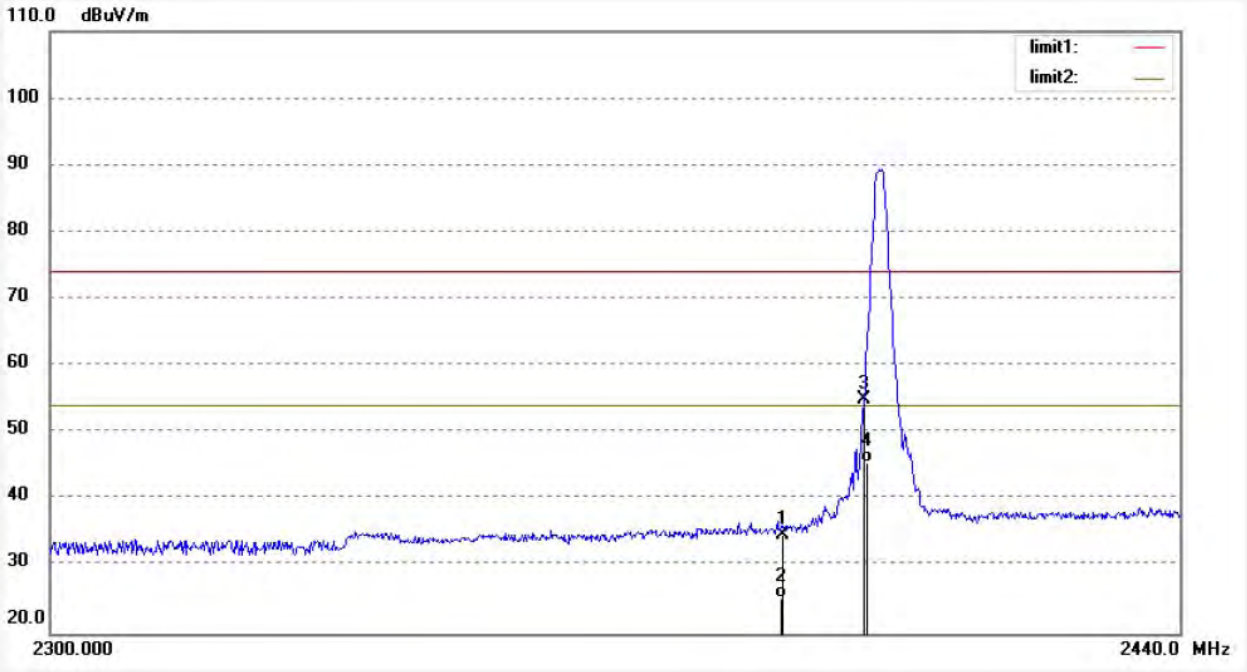
Job No.: frank2018 #866
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2402MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/27/46
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



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	42.77	-8.00	34.77	74.00	-39.23	peak	200	315	
2	2390.000	33.21	-8.00	25.21	54.00	-28.79	AVG	150	210	
3	2400.000	62.98	-7.97	55.01	74.00	-18.99	peak	200	102	
4	2400.000	53.48	-7.97	45.51	54.00	-8.49	AVG	150	87	

Note: Average measurement with peak detection at No.2&4

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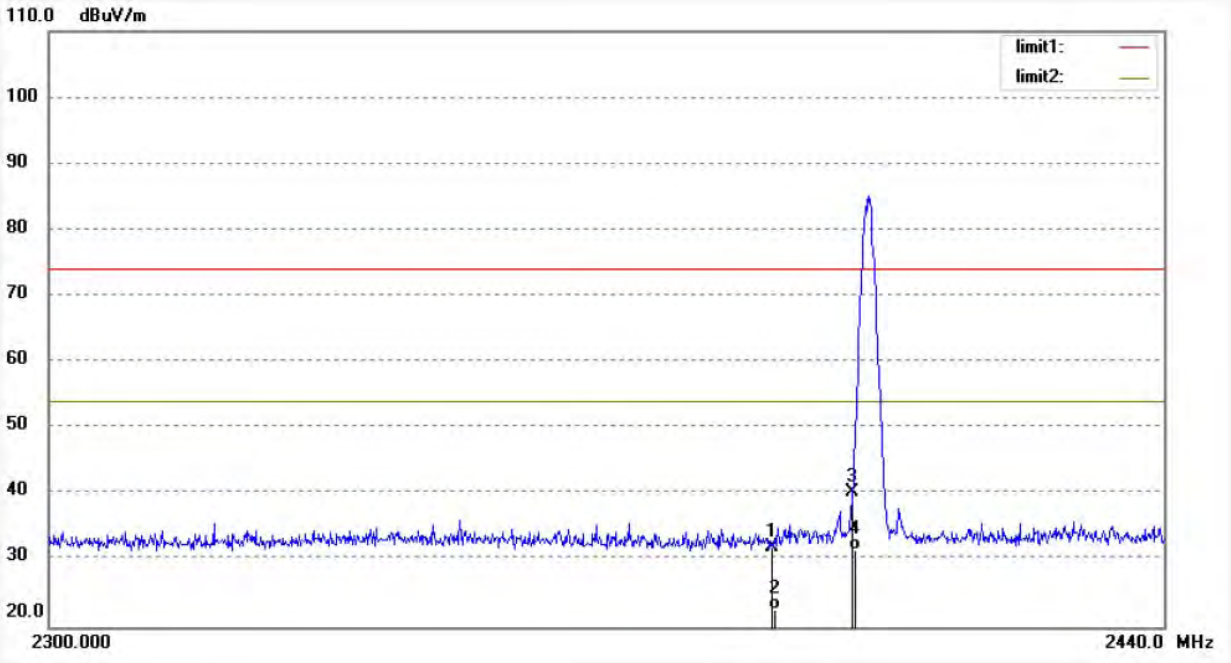
Fax:+86-0755-26503396

Job No.: frank2018 #867	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 3.7V
Test item: Radiation Test	Date: 18/07/03/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/29/31
EUT: Wireless Light-UP Stereo Headphone	Engineer Signature: frank
Mode: TX2402MHz(GFSK)	Distance:
Model: 74496	
Manufacturer: GOOD EVER TRADING LIMITED	

Note: Report NO.:ATE20181077



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	40.01	-8.00	32.01	74.00	-41.99	peak	250	345	
2	2390.000	30.51	-8.00	22.51	54.00	-31.49	AVG	250	157	
3	2400.000	48.34	-7.97	40.37	74.00	-33.63	peak	250	125	
4	2400.000	39.45	-7.97	31.48	54.00	-22.52	AVG	250	244	

Note: Average measurement with peak detection at No.2&4

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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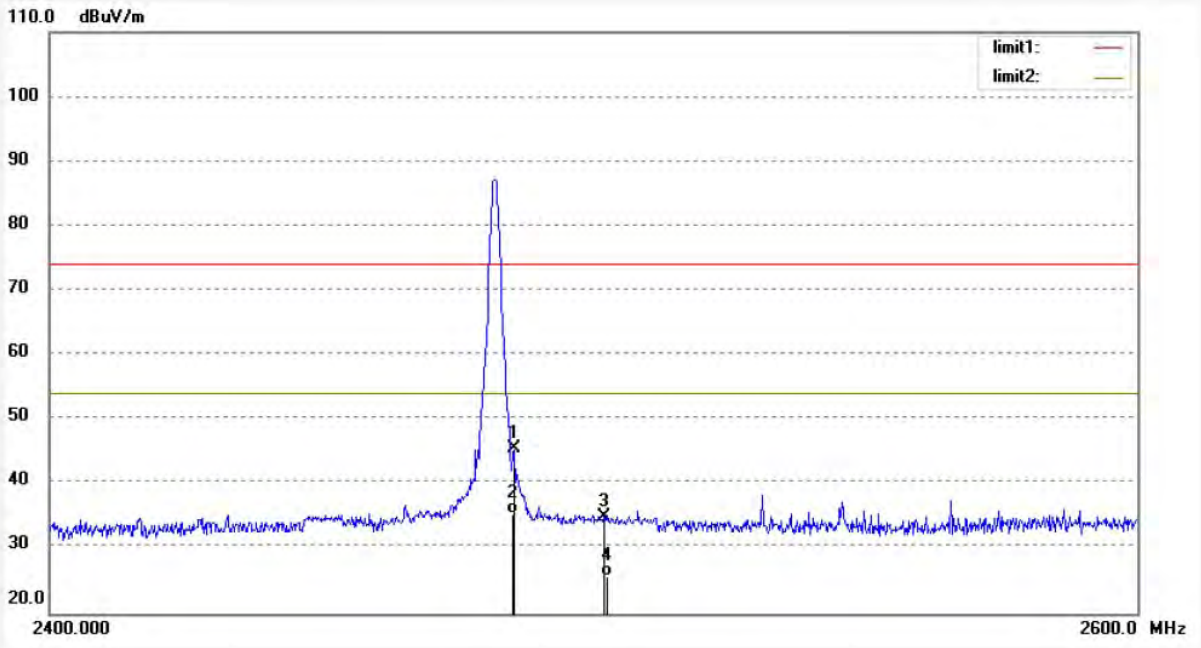
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #870
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/47/36
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



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	53.35	-7.76	45.59	74.00	-28.41	peak	200	320	
2	2483.500	43.15	-7.76	35.39	54.00	-18.61	AVG	200	159	
3	2500.000	42.65	-7.71	34.94	74.00	-39.06	peak	200	42	
4	2500.000	33.48	-7.71	25.77	54.00	-28.23	AVG	200	102	

Note: Average measurement with peak detection at No.2&4

ACCURATE TECHNOLOGY CO., LTD.
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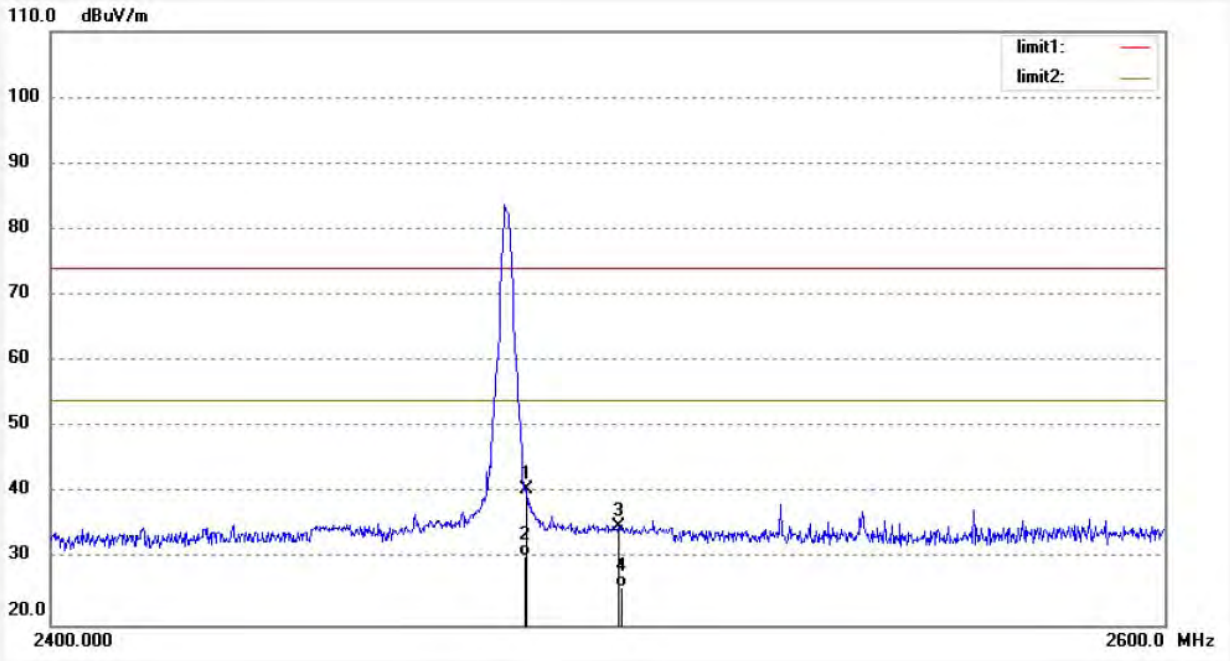
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #871
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/50/36
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



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	48.35	-7.76	40.59	74.00	-33.41	peak	250	320	
2	2483.500	38.15	-7.76	30.39	54.00	-23.61	AVG	250	159	
3	2500.000	42.65	-7.71	34.94	74.00	-39.06	peak	250	49	
4	2500.000	33.45	-7.71	25.74	54.00	-28.26	AVG	250	145	

Note: Average measurement with peak detection at No.2&4

ACCURATE TECHNOLOGY CO., LTD.
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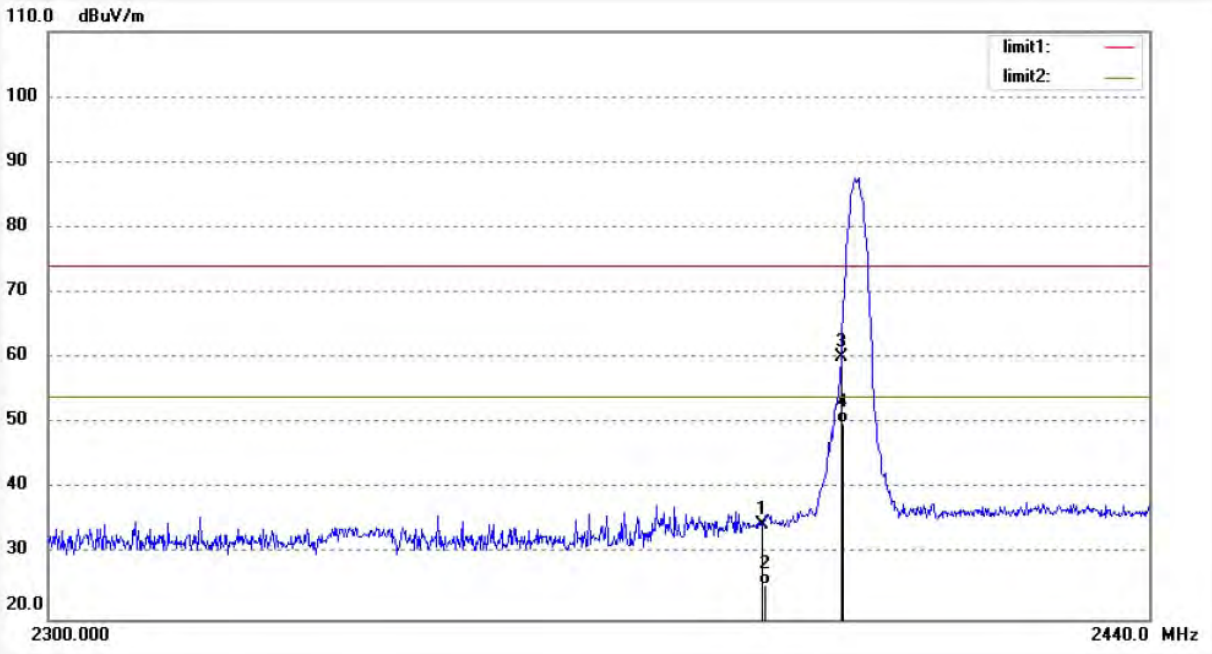
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #878
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2402MHz(π/4 DQPSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 2018/07/03
Time: 15:18:06
Engineer Signature: frank
Distance: 3m

Note: Report NO.:ATE20181077



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	33.78	0.79	34.57	74.00	-39.43	peak	200	168	
2	2390.000	24.48	0.79	25.27	54.00	-28.73	AVG	200	166	
3	2400.000	59.30	0.88	60.18	74.00	-13.82	peak	250	200	
4	2400.000	49.12	0.88	50.00	54.00	-4.00	AVG	250	164	

Note: Average measurement with peak detection at No.2&4

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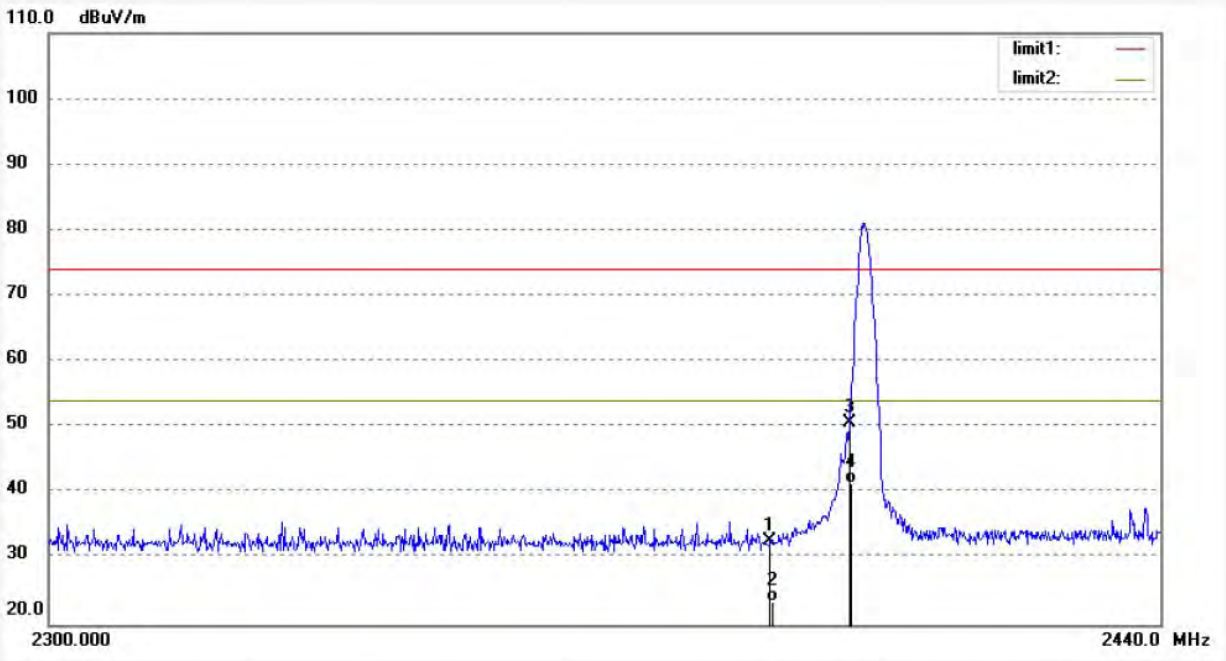
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #879
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2402MHz(π/4 DQPSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2018/07/03
Time: 15:21:55
Engineer Signature: frank
Distance: 3m

Note: Report NO.:ATE20181077



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	31.89	0.79	32.68	74.00	-41.32	peak	250	56	
2	2390.000	22.78	0.79	23.57	54.00	-30.43	AVG	200	265	
3	2400.000	49.78	0.88	50.66	74.00	-23.34	peak	250	210	
4	2400.000	40.56	0.88	41.44	54.00	-12.56	AVG	200	120	

Note: Average measurement with peak detection at No.2&4

ACCURATE TECHNOLOGY CO., LTD.
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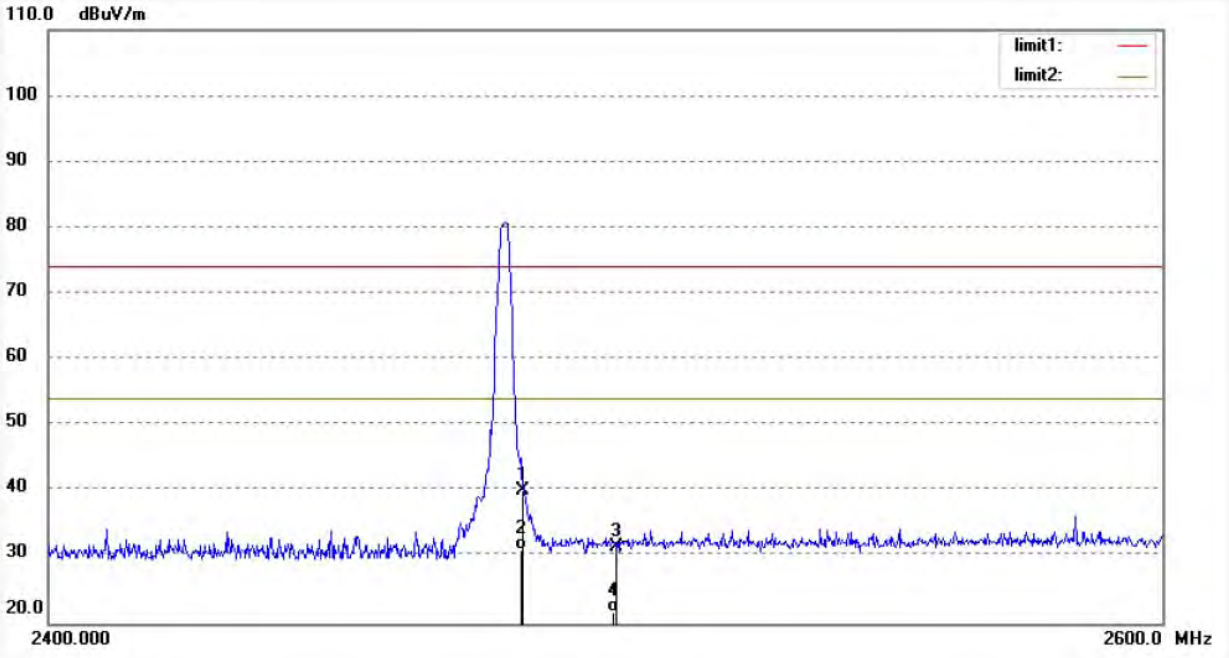
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #880
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(π/4 DQPSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2018/07/03
Time: 15:24:36
Engineer Signature: frank
Distance: 3m

Note: Report NO.:ATE20181077



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	39.03	1.10	40.13	74.00	-33.87	peak	250	301	
2	2483.500	30.15	1.10	31.25	54.00	-22.75	AVG	250	66	
3	2500.000	30.59	1.10	31.69	74.00	-42.31	peak	250	133	
4	2500.000	20.48	1.10	21.58	54.00	-32.42	AVG	250	45	

Note: Average measurement with peak detection at No.2&4

ACCURATE TECHNOLOGY CO., LTD.
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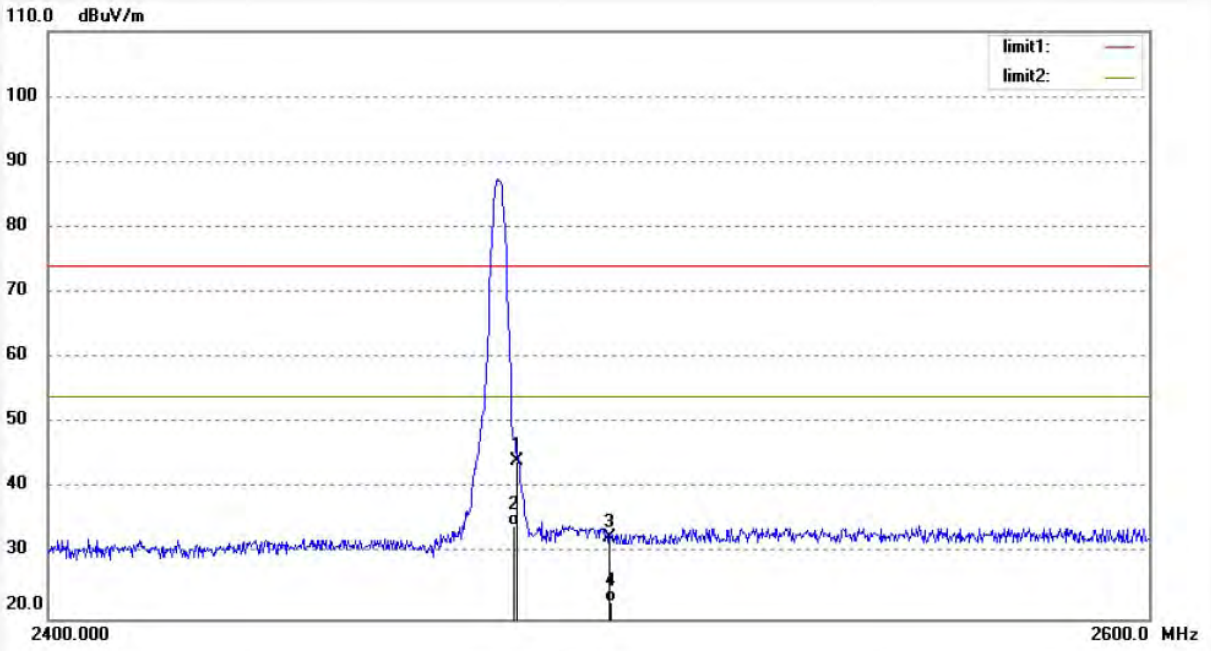
Fax:+86-0755-26503396

Job No.: frank2018 #881
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(π/4 DQPSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 2018/07/03
Time: 15:27:59
Engineer Signature: frank
Distance: 3m

Note: Report NO.:ATE20181077



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	43.00	1.10	44.10	74.00	-29.90	peak	200	96	
2	2483.500	33.15	1.10	34.25	54.00	-19.75	AVG	150	256	
3	2500.000	31.42	1.10	32.52	74.00	-41.48	peak	200	189	
4	2500.000	21.49	1.10	22.59	54.00	-31.41	AVG	200	87	

Note: Average measurement with peak detection at No.2&4

Hopping mode

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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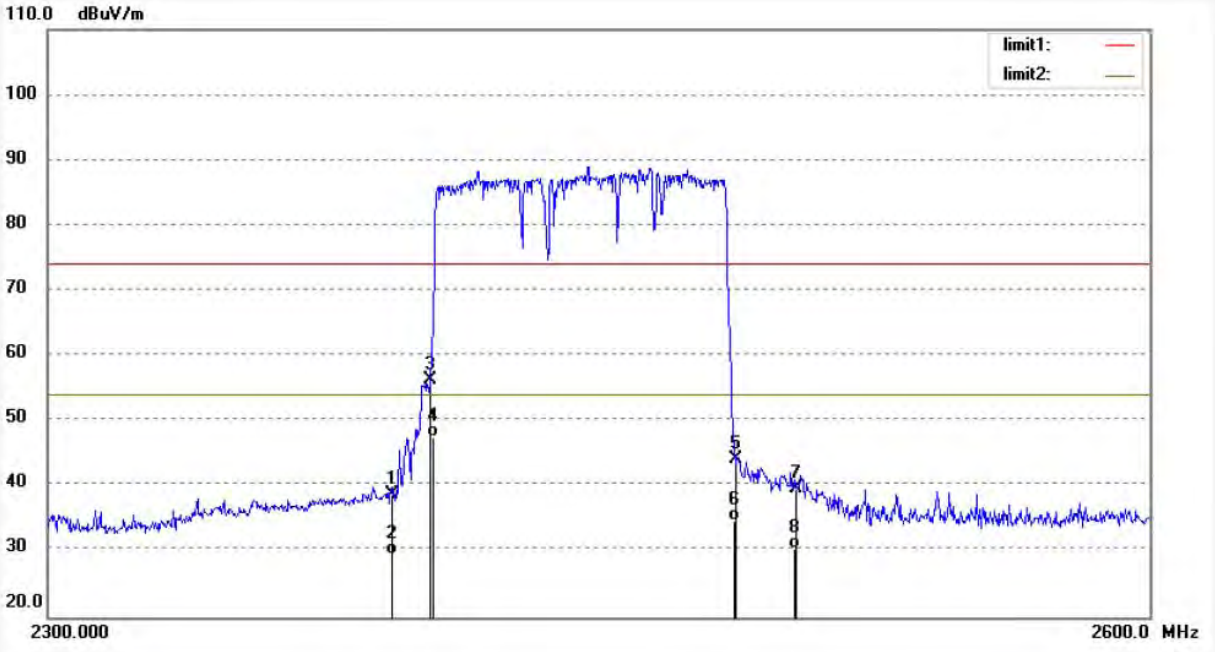
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #868
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2402MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/41/39
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



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	46.87	-8.00	38.87	74.00	-35.13	peak	200	43	
2	2390.000	37.54	-8.00	29.54	54.00	-24.46	AVG	150	159	
3	2400.000	64.33	-7.97	56.36	74.00	-17.64	peak	200	165	
4	2400.000	55.45	-7.97	47.48	54.00	-6.52	AVG	150	120	
5	2483.500	51.90	-7.76	44.14	74.00	-29.86	peak	200	100	
6	2483.500	42.56	-7.76	34.80	54.00	-19.20	AVG	150	95	
7	2500.000	47.48	-7.71	39.77	74.00	-34.23	peak	250	61	
8	2500.000	38.15	-7.71	30.44	54.00	-23.56	AVG	150	130	

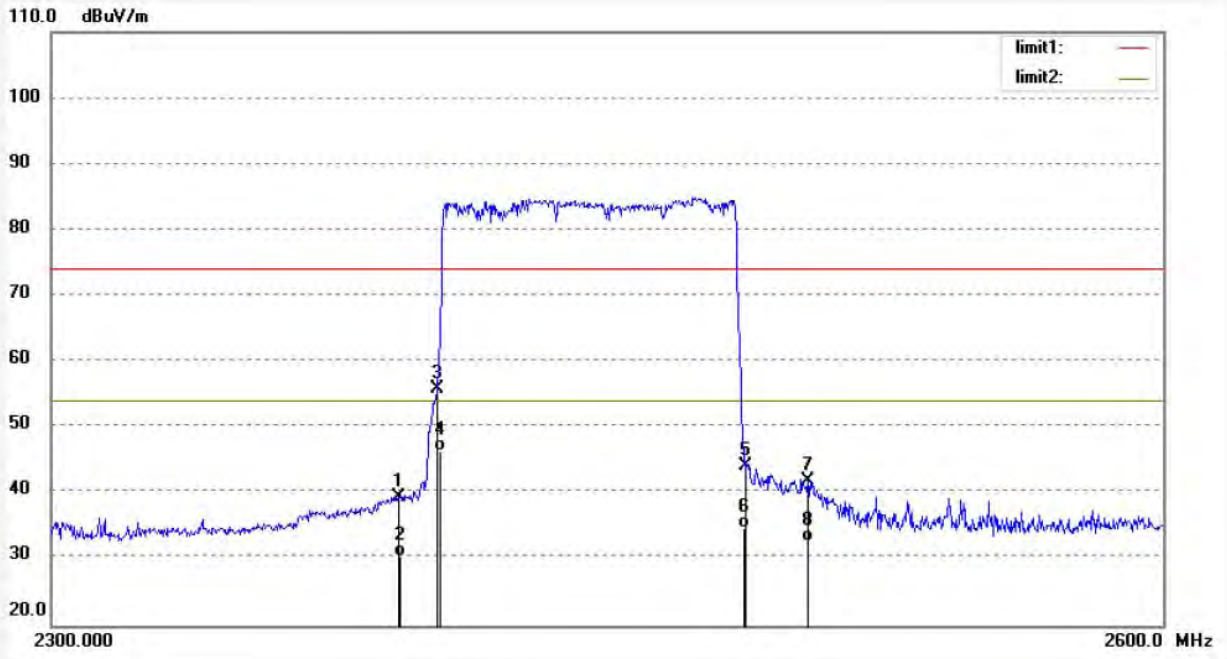
Note: Average measurement with peak detection at No.2&4&6&8

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #869
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2402MHz(GFSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 18/07/03/
Time: 9/44/02
Engineer Signature: frank
Distance:

Note: Report NO.:ATE20181077



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	47.37	-8.00	39.37	74.00	-34.63	peak	250	132	
2	2390.000	38.48	-8.00	30.48	54.00	-23.52	AVG	200	210	
3	2400.000	63.83	-7.97	55.86	74.00	-18.14	peak	250	28	
4	2400.000	54.48	-7.97	46.51	54.00	-7.49	AVG	250	41	
5	2483.500	51.90	-7.76	44.14	74.00	-29.86	peak	250	103	
6	2483.500	42.54	-7.76	34.78	54.00	-19.22	AVG	250	59	
7	2500.000	49.58	-7.71	41.87	74.00	-32.13	peak	250	133	
8	2500.000	40.45	-7.71	32.74	54.00	-21.26	AVG	250	210	

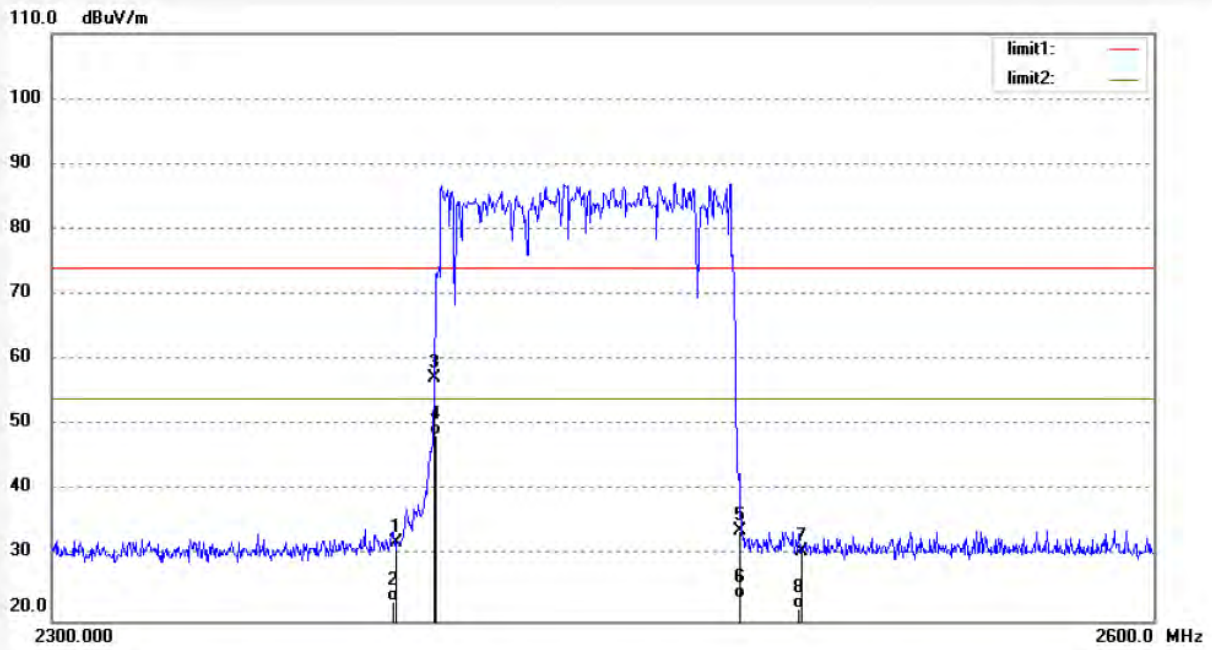
Note: Average measurement with peak detection at No.2&4&6&8

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #882
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(π/4 DQPSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Vertical
Power Source: DC 3.7V
Date: 2018/07/03
Time: 15:29:27
Engineer Signature: frank
Distance: 3m

Note: Report NO.:ATE20181077



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	31.20	0.79	31.99	74.00	-42.01	peak	250	320	
2	2390.000	22.15	0.79	22.94	54.00	-31.06	AVG	200	165	
3	2400.000	56.37	0.88	57.25	74.00	-16.75	peak	250	95	
4	2400.000	47.48	0.88	48.36	54.00	-5.64	AVG	200	166	
5	2483.500	32.71	1.10	33.81	74.00	-40.19	peak	250	126	
6	2483.500	22.48	1.10	23.58	54.00	-30.42	AVG	200	62	
7	2500.000	29.54	1.10	30.64	74.00	-43.36	peak	200	54	
8	2500.000	20.78	1.10	21.88	54.00	-32.12	AVG	200	126	

Note: Average measurement with peak detection at No.2&4&6&8

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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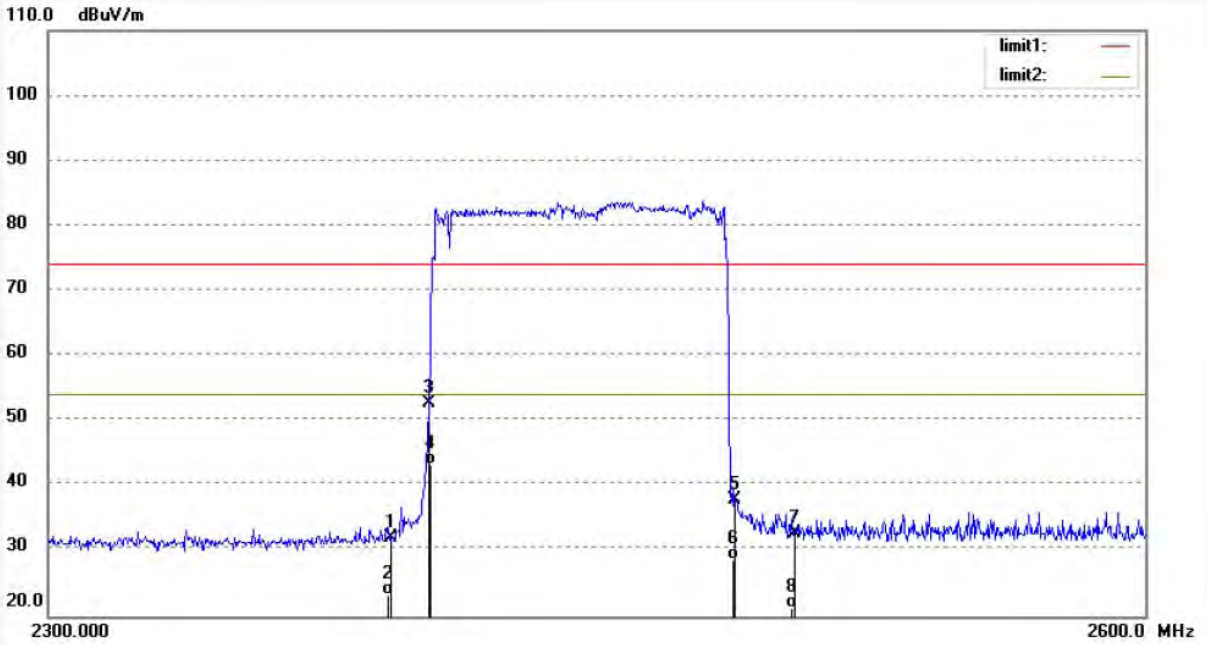
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: frank2018 #883
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Light-UP Stereo Headphone
Mode: TX2480MHz(π/4 DQPSK)
Model: 74496
Manufacturer: GOOD EVER TRADING LIMITED

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2018/07/03
Time: 15:32:27
Engineer Signature: frank
Distance: 3m

Note: Report NO.:ATE20181077



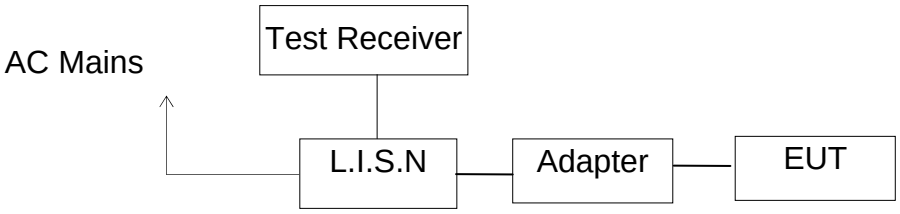
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	31.20	0.79	31.99	74.00	-42.01	peak	250	62	
2	2390.000	22.45	0.79	23.24	54.00	-30.76	AVG	250	115	
3	2400.000	51.87	0.88	52.75	74.00	-21.25	peak	250	100	
4	2400.000	42.49	0.88	43.37	54.00	-10.63	AVG	250	184	
5	2483.500	36.71	1.10	37.81	74.00	-36.19	peak	250	86	
6	2483.500	27.48	1.10	28.58	54.00	-25.42	AVG	250	123	
7	2500.000	31.54	1.10	32.64	74.00	-41.36	peak	250	15	
8	2500.000	20.15	1.10	21.25	54.00	-32.75	AVG	200	98	

Note: Average measurement with peak detection at No.2&4&6&8

12. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

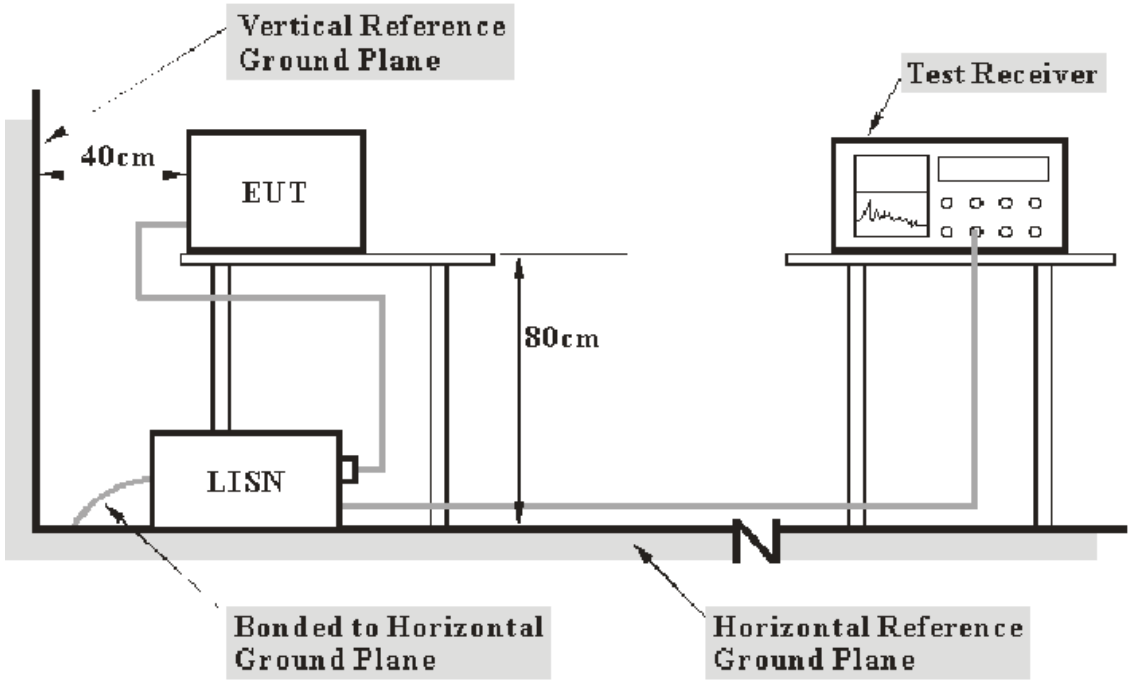
12.1. Block Diagram of Test Setup

12.1.1. Block diagram of connection between the EUT and simulators



(EUT: Wireless Light-UP Stereo Headphones)

12.1.2. 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.

12.2.Power Line Conducted Emission Measurement Limits

Frequency (MHz)	Limit dB(μV)	
	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.		

12.3.Configuration of EUT on Measurement

The 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.

12.4.Operating Condition of EUT

12.4.1.Setup the EUT and simulator as shown as Section 12.1.

12.4.2.Turn on the power of all equipment.

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

12.5.Test Procedure

The EUT is put on the plane 0.1m 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: 2013 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.

12.6.Data Sample

Frequency (MHz)	Transducer value (dB)	QuasiPeak Level (dBμV)	Average Level (dBμV)	QuasiPeak Limit (dBμV)	Average Limit (dBμV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
xx.xxxx	11.6	42.60	27.90	60.0	50.0	-17.4	-22.1	Pass

Frequency(MHz) = Emission frequency in MHz
Transducer value(dB) = Insertion loss of LISN + Cable Loss
Level(dBμV) = Quasi-peak Reading/Average Reading + Transducer value
Limit (dBμV) = Limit stated in standard
Margin = Limit (dBμV) - Level (dBμV)

Calculation Formula:
Margin = Limit (dBμV) - Level (dBμV)

12.7.Power Line Conducted Emission Measurement Results

PASS.

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

Test mode : Charging (AC 120V/60Hz)
EUT mode : 74496

MEASUREMENT RESULT: "F-1077-2_fin"

2018-6-25 17:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.158000	39.40	10.8	66	26.2	QP	N	GND
0.442000	36.50	11.0	57	20.5	QP	N	GND
0.910000	32.30	11.1	56	23.7	QP	N	GND
4.825000	33.50	11.4	56	22.5	QP	N	GND
5.625000	34.70	11.5	60	25.3	QP	N	GND
18.015000	34.80	11.7	60	25.2	QP	N	GND

MEASUREMENT RESULT: "F-1077-2_fin2"

2018-6-25 17:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	22.60	10.9	49	26.1	AV	N	GND
0.432000	26.70	11.0	47	20.5	AV	N	GND
0.900000	23.40	11.1	46	22.6	AV	N	GND
4.825000	22.30	11.4	46	23.7	AV	N	GND
5.330000	24.30	11.4	50	25.7	AV	N	GND
18.045000	23.60	11.7	50	26.4	AV	N	GND

MEASUREMENT RESULT: "F-1077-1_fin"

2018-6-25 17:03

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	35.10	10.9	59	23.6	QP	L1	GND
0.442000	37.60	11.0	57	19.4	QP	L1	GND
0.904000	29.40	11.1	56	26.6	QP	L1	GND
4.885000	33.70	11.4	56	22.3	QP	L1	GND
5.175000	33.70	11.4	60	26.3	QP	L1	GND
17.620000	34.40	11.7	60	25.6	QP	L1	GND

MEASUREMENT RESULT: "F-1077-1_fin2"

2018-6-25 17:03

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	25.70	10.9	49	23.0	AV	L1	GND
0.432000	29.50	11.0	47	17.7	AV	L1	GND
0.888000	22.70	11.1	46	23.3	AV	L1	GND
4.805000	22.90	11.4	46	23.1	AV	L1	GND
5.290000	23.90	11.4	50	26.1	AV	L1	GND
17.725000	23.50	11.7	50	26.5	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

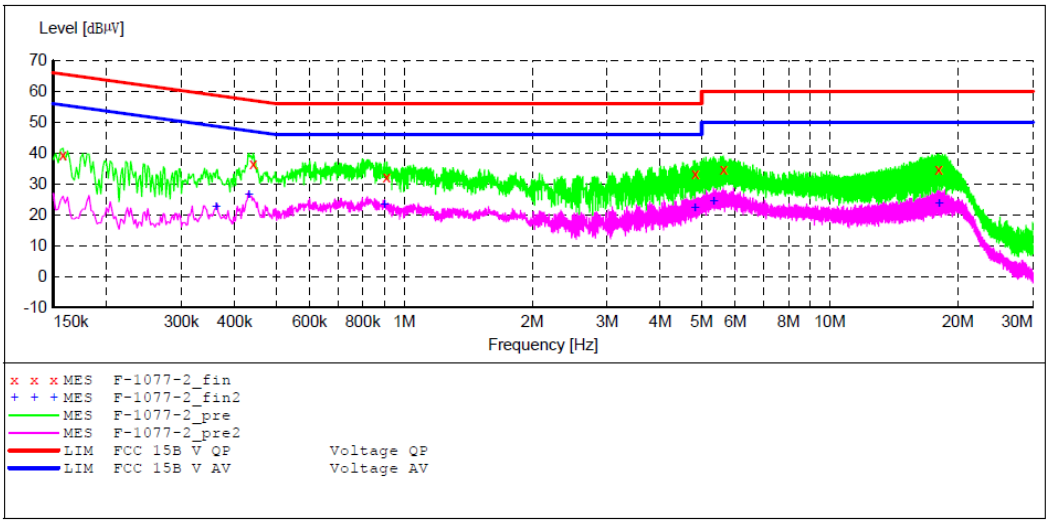
CONDUCTED EMISSION STANDARD FCC PART15B

EUT: Wireless Light-UP Stereo Headphone M/N:74496
Manufacturer: GOOD EVER TRADING LIMITED
Operating Condition: Charging
Test Site: 2#Shielding Room
Operator: Frank
Test Specification: N 120V/60Hz
Comment: Report NO.:ATE20181077
Start of Test: 2018-6-25 / 17:04:35

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

Short Description: _SUB_STD_VTERM2 1.70

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



MEASUREMENT RESULT: "F-1077-2_fin"

2018-6-25 17:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.158000	39.40	10.8	66	26.2	QP	N	GND
0.442000	36.50	11.0	57	20.5	QP	N	GND
0.910000	32.30	11.1	56	23.7	QP	N	GND
4.825000	33.50	11.4	56	22.5	QP	N	GND
5.625000	34.70	11.5	60	25.3	QP	N	GND
18.015000	34.80	11.7	60	25.2	QP	N	GND

MEASUREMENT RESULT: "F-1077-2_fin2"

2018-6-25 17:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	22.60	10.9	49	26.1	AV	N	GND
0.432000	26.70	11.0	47	20.5	AV	N	GND
0.900000	23.40	11.1	46	22.6	AV	N	GND
4.825000	22.30	11.4	46	23.7	AV	N	GND
5.330000	24.30	11.4	50	25.7	AV	N	GND
18.045000	23.60	11.7	50	26.4	AV	N	GND

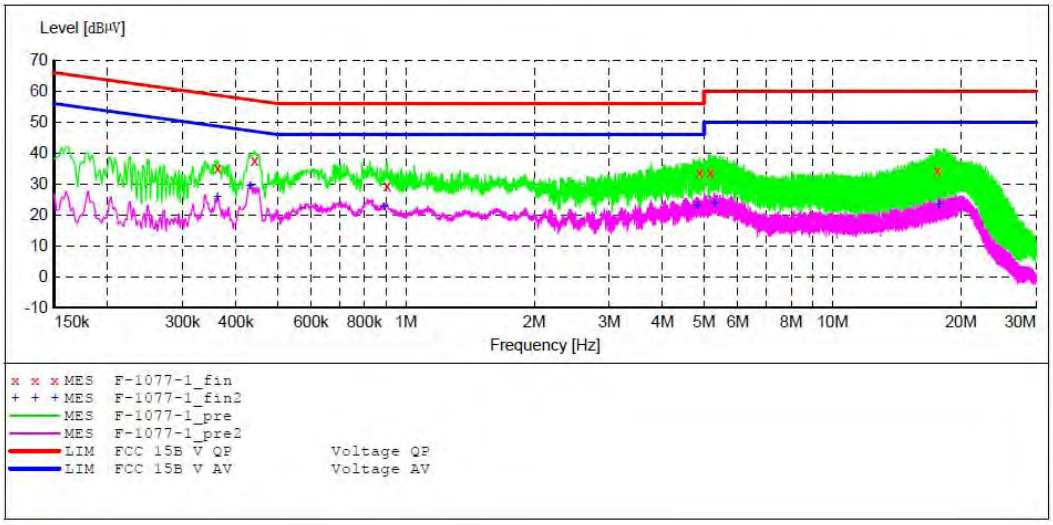
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Wireless Light-UP Stereo Headphone  M/N:74496
Manufacturer:         GOOD EVER TRADING LIMITED
Operating Condition:  Charging
Test Site:            2#Shielding Room
Operator:             Frank
Test Specification:   L    120V/60Hz
Comment:              Report NO.:ATE20181077
Start of Test:        2018-6-25 / 17:02:17
```

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: "F-1077-1_fin"

2018-6-25 17:03

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	35.10	10.9	59	23.6	QP	L1	GND
0.442000	37.60	11.0	57	19.4	QP	L1	GND
0.904000	29.40	11.1	56	26.6	QP	L1	GND
4.885000	33.70	11.4	56	22.3	QP	L1	GND
5.175000	33.70	11.4	60	26.3	QP	L1	GND
17.620000	34.40	11.7	60	25.6	QP	L1	GND

MEASUREMENT RESULT: "F-1077-1_fin2"

2018-6-25 17:03

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	25.70	10.9	49	23.0	AV	L1	GND
0.432000	29.50	11.0	47	17.7	AV	L1	GND
0.888000	22.70	11.1	46	23.3	AV	L1	GND
4.805000	22.90	11.4	46	23.1	AV	L1	GND
5.290000	23.90	11.4	50	26.1	AV	L1	GND
17.725000	23.50	11.7	50	26.5	AV	L1	GND

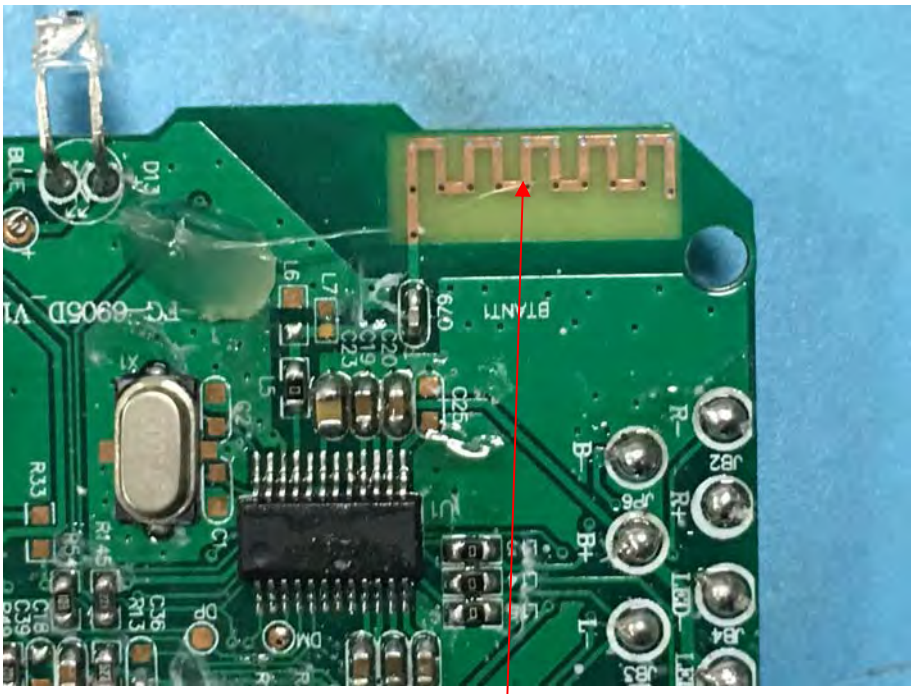
13. ANTENNA REQUIREMENT

13.1. 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.

13.2. Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Max Antenna gain of EUT is 1dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



******* End of Test Report *******