



TEST REPORT

FCC ID: 2AGROLK-BH015

Applicant : Move&Groove Limited
Address : Room 1203, 12/F, Tower 3 China Hong Kong City, 33 Canton Road,
Tsimshatsui, Kowloon, Hong Kong China

Equipment Under Test (EUT):

Name : Wireless headphone
Model : LK-BH015, JY-35, Rock-N-Grv, BH-35
Trade Name : N/A

Standards : FCC PART 15, SUBPART C: 2015 (Section 15.247)

Report No : T1851841 01

Date of Test : December 03-10, 2015

Date of Issue : December 10, 2015

Tset Result : PASS

In the configuration tested, the EUT complied with the standards specified above

Authorized Signature

(Mark Zhu)

Manager

The manufacture should ensure that all the products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Shenzhen Alpha Product Testing Co., Ltd. Or test done by Shenzhen Alpha Product Testing Co., Ltd. Approvals in connection with, distribution or use of the product described in this report must be approved by Shenzhen Alpha Product Testing Co., Ltd. Approvals in writing.

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1. General Information

1.1. Description of Device (EUT)

| | |
|---------------------|--|
| EUT | : Wireless headphone |
| Model No. | : LK-BH015, JY-35, Rock-N-Grv, BH-35 |
| DIFF | All model's the function, software and electric circuit are the same, only different in Model Name. |
| Trade mark | : N/A |
| Power supply | : DC 3.7V from internal battery or DC 5V From USB port |
| Radio Technology | : Bluetooth 3.0 |
| Operation frequency | : 2402-2480MHz |
| Modulation | : GFSK, $\pi/4$ DQPSK, 8- DPSK |
| Antenna Type | : Integrated Antenna, max gain 0dBi. |
| Adapter | : N/A |
| Applicant | : Move&Groove Limited |
| Address | : Room 1203, 12/F, Tower 3 China Hong Kong City, 33 Canton Road, Tsimshatsui, Kowloon, Hong Kong China |
| Manufacturer | : Shenzhen The 3rd Eye Technology Co., Limited |
| Address | : B323, Baoyuan Huafeng Economy Building, Xixiang St., Baoan District, Shenzhen, CHINA |

1.2. Accessories of device (EUT)

Accessories : NIL

Type : NIL

1.3. Test Lab information

Shenzhen Alpha Product Testing Co., Ltd.

2F, Building B, East Area of Nanchang Second Industrial Zone,
Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China

FCC Registered No.: 203110

2. Summary of test

2.1. Summary of test result

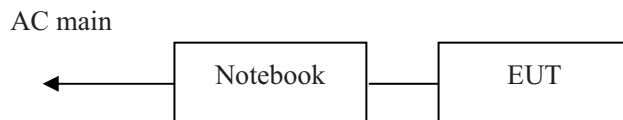
| Description of Test Item | Standard | Results |
|--|---|---------|
| Maximum Peak Output Power | FCC Part 15: 15.247(b)(1) ANSI C63.4 :2014 | PASS |
| Bandwidth | FCC Part 15: 15.215 ANSI C63.4 :2014 | PASS |
| Carrier Frequency Separation | FCC Part 15: 15.247(a)(1) ANSI C63.4 :2014 | PASS |
| Number Of Hopping Channel | FCC Part 15: 15.247(a)(1)(iii) ANSI C63.4 :2014 | PASS |
| Dwell Time | FCC Part 15: 15.247(a)(1)(iii) ANSI C63.4 :2014 | PASS |
| Radiated Emission | FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.4 :2014 | PASS |
| Band Edge Compliance | FCC Part 15: 15.247(d) ANSI C63.4 :2014 | PASS |
| Power Line Conducted Emissions | FCC Part 15: 15.207 ANSI C63.4 :2014 | PASS |
| Antenna requirement | FCC Part 15: 15.203 | PASS |
| Note: Test with the test procedure Bluetool. | | |

2.2. Assistant equipment used for test

| | | |
|--------------------------|---|----------|
| Description | : | Notebook |
| Manufacturer | : | ACER |
| Model No. | : | ZQT |
| Remark: FCC DOC approved | | |

2.3. Block Diagram

1, For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground. EUT was be set into BT test mode by adb.exe software before test.



2, For Power Line Conducted Emissions Test: EUT was connected to notebook by 0.6m USB line



2.4. Test mode

The test software “Bluetool.exe” was used to control EUT work in Continuous TX mode, and select test channel, wireless mode.

| Tested mode, channel, and data rate information | | |
|---|--------------|-----------------|
| Mode | Channel | Frequency (MHz) |
| GFSK | Low :CH1 | 2402 |
| | Middle: CH40 | 2441 |
| | High: CH79 | 2480 |

| Tested mode, channel, and data rate information | | |
|---|--------------|-----------------|
| Mode | Channel | Frequency (MHz) |
| $\pi/4$ DQPSK | Low :CH1 | 2402 |
| | Middle: CH40 | 2441 |
| | High: CH79 | 2480 |

| Tested mode, channel, and data rate information | | |
|---|--------------|-----------------|
| Mode | Channel | Frequency (MHz) |
| 8- DPSK | Low :CH1 | 2402 |
| | Middle: CH40 | 2441 |
| | High: CH79 | 2480 |

2.5. Test Conditions

| | |
|-------------------|-----------|
| Temperature range | 21-25°C |
| Humidity range | 40-75% |
| Pressure range | 86-106kPa |

2.6. Measurement Uncertainty (95% confidence levels, k=2)

| Item | MU | Remark |
|--|--------------------|-------------|
| Uncertainty for Power point Conducted Emissions Test | 2.42dB | |
| Uncertainty for Radiation Emission test in 3m chamber (below 30MHz) | 2.13 dB | Polarize: V |
| | 2.57dB | Polarize: H |
| Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz) | 3.54dB | Polarize: V |
| | 4.1dB | Polarize: H |
| Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz) | 2.08dB | Polarize: H |
| | 2.56dB | Polarize: V |
| Uncertainty for radio frequency | 1×10^{-9} | |
| Uncertainty for conducted RF Power | 0.65dB | |
| Uncertainty for temperature | 0.2°C | |
| Uncertainty for humidity | 1% | |
| Uncertainty for DC and low frequency voltages | 0.06% | |

2.7. Test Equipment

| Equipment | Manufacture | Model No. | Serial No. | Cal. Due day | Cal Interval |
|---------------------|---------------|--------------|-------------------|--------------|--------------|
| 3m Semi-Anechoic | ETS-LINDGREN | N/A | SEL0017 | 2016.01.19 | 1 Year |
| Spectrum analyzer | Agilent | E4407B | MY49510055 | 2016.01.19 | 1 Year |
| Receiver | R&S | ESCI | 101165 | 2016.01.19 | 1 Year |
| Bilog Antenna | SCHWARZBECK | VULB 9168 | 9168-438 | 2016.01.21 | 2 Year |
| Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D(1201) | 2016.01.21 | 2 Year |
| Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA 9170 D(1432) | 2016.01.21 | 2 Year |
| Active Loop Antenna | Beijing Daze | ZN30900A | SEL0097 | 2016.01.19 | 1 Year |
| Cable | Resenberger | SUCOFLEX 104 | MY6562/4 | 2016.01.19 | 1 Year |
| Cable | Resenberger | SUCOFLEX 104 | 309972/4 | 2016.01.19 | 1 Year |
| Cable | Resenberger | SUCOFLEX 104 | 329112/4 | 2016.01.19 | 1 Year |
| L.I.S.N.#1 | Schwarzbeck | NSLK8126 | 8126466 | 2016.01.19 | 1 Year |
| L.I.S.N.#2 | ROHDE&SCHWARZ | ENV216 | 101043 | 2016.01.19 | 1 Year |
| Power Meter | Anritsu | ML2487A | 6K00001491 | 2016.01.19 | 1 Year |
| Power sensor | Anritsu | ML2491A | 32516 | 2016.01.19 | 1 Year |
| Pre-amplifier | SCHWARZBECK | BBV9743 | 9743-019 | 2016.01.19 | 1 Year |
| Pre-amplifier | Quietek | AP-180C | CHM-0602012 | 2016.01.19 | 1 Year |

3. Maximum Peak Output power

3.1. Limit

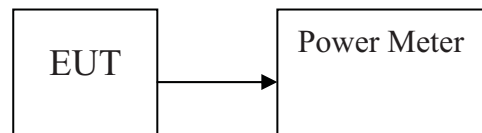
Please refer section 15.247.

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, the e.i.r.p shall not exceed 4W

3.2. Test Procedure

The transmitter output is connected to the RF Power Meter. The RF Power Meter is set to the peak power detection.

3.3. Test Setup



3.4. Test Result

| EUT: Wireless headphone | | M/N: LK-BH015 | | | |
|-------------------------|------------|-----------------------|----------------------|-----------------|-------------|
| Test date: 2015-12-05 | | Test site: RF site | | Tested by: Eric | |
| Mode | Freq (MHz) | PK Output Power (dBm) | PK Output Power (mW) | Limit (dBm) | Margin (dB) |
| GFSK | 2402 | 4.480 | 2.805 | 21 | 16.520 |
| | 2441 | 4.183 | 2.620 | 21 | 16.817 |
| | 2480 | 2.464 | 1.764 | 21 | 18.536 |
| $\pi/4$ DQPSK, | 2402 | 3.503 | 2.240 | 21 | 17.497 |
| | 2441 | 3.257 | 2.117 | 21 | 17.743 |
| | 2480 | 1.569 | 1.435 | 21 | 19.431 |
| 8- DPSK | 2402 | 3.662 | 2.324 | 21 | 17.338 |
| | 2441 | 3.425 | 2.200 | 21 | 17.575 |
| | 2480 | 1.732 | 1.490 | 21 | 19.268 |
| Conclusion: PASS | | | | | |

4. Bandwidth

4.1. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

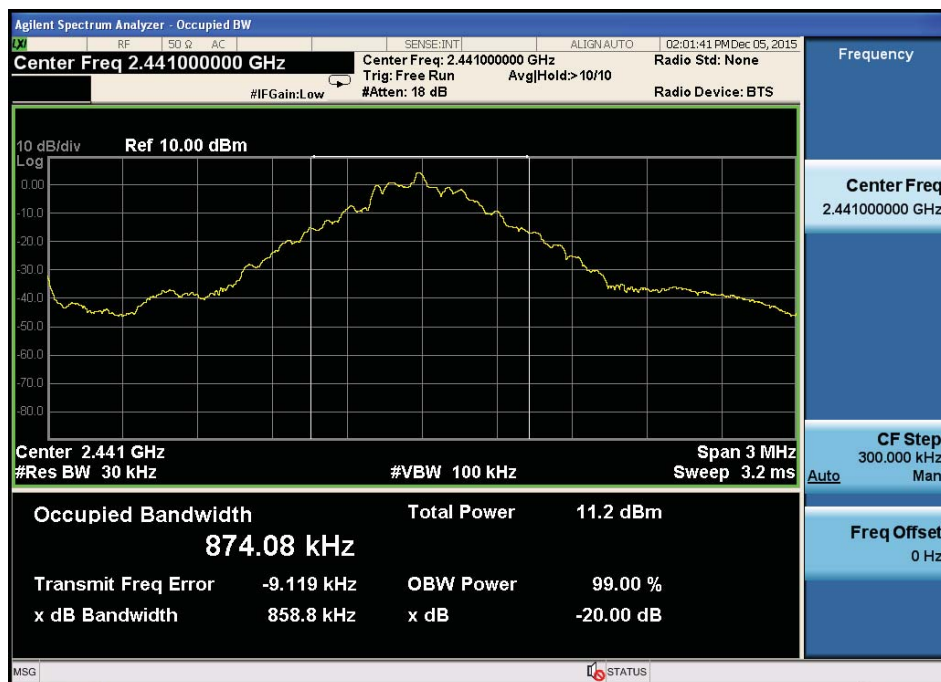
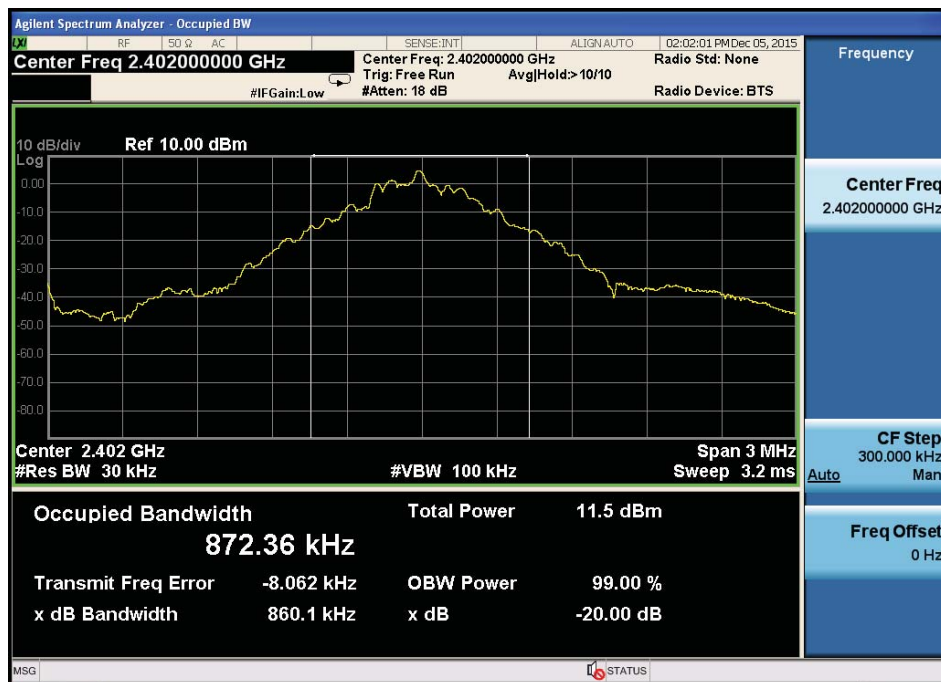
4.2. Test Procedure

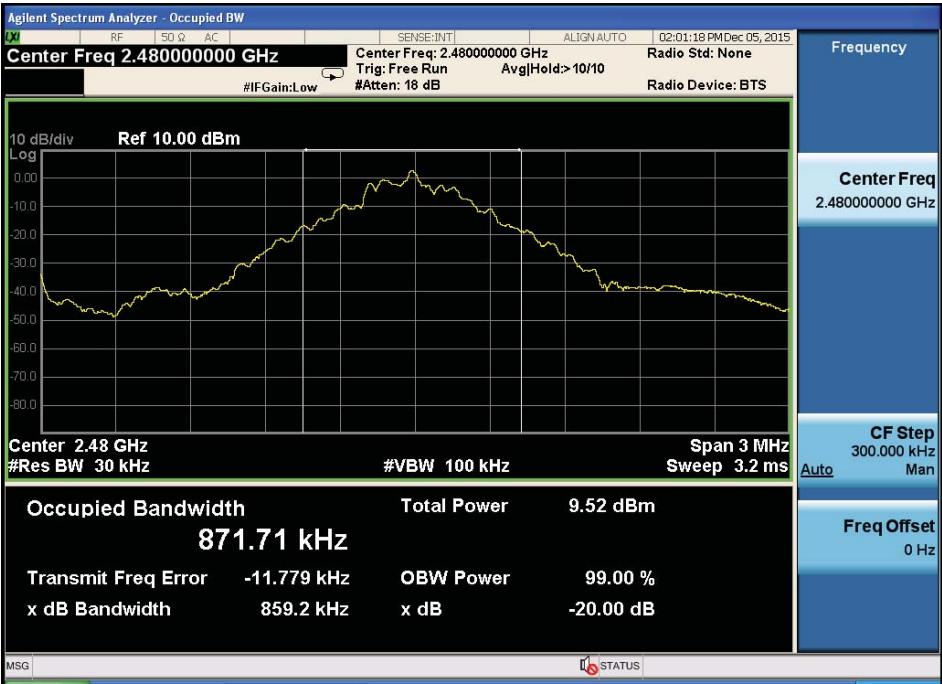
The transmitter output was coupled to a spectrum analyzer via a antenna. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB. Peak detector is used, Peak detector is used.

4.3. Test Result

| EUT: Wireless headphone | | M/N: LK-BH015 | | |
|-------------------------|------------|----------------------|-------------|-----------------|
| Test date: 2015-12-05 | | Test site: RF site | | Tested by: Eric |
| Mode | Freq (MHz) | 20dB Bandwidth (KHz) | Limit (kHz) | Conclusion |
| GFSK | 2402 | 860.1 | / | PASS |
| | 2441 | 858.8 | / | PASS |
| | 2480 | 859.2 | / | PASS |
| $\pi/4$ DQPSK | 2402 | 1232 | / | PASS |
| | 2441 | 1232 | / | PASS |
| | 2480 | 1243 | / | PASS |
| 8- DPSK | 2402 | 1212 | / | PASS |
| | 2441 | 1213 | / | PASS |
| | 2480 | 1212 | / | PASS |

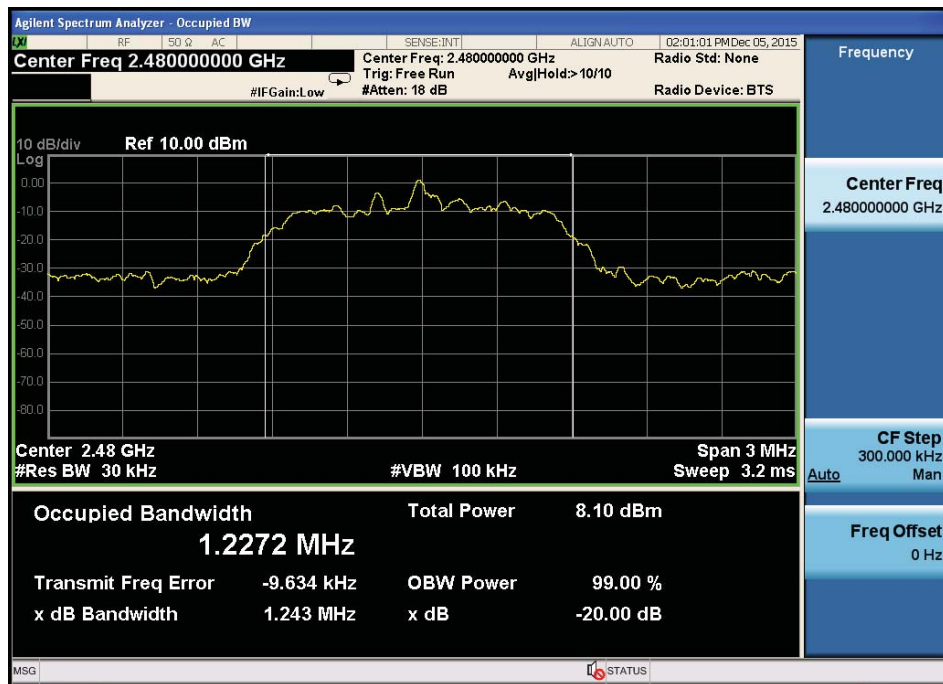
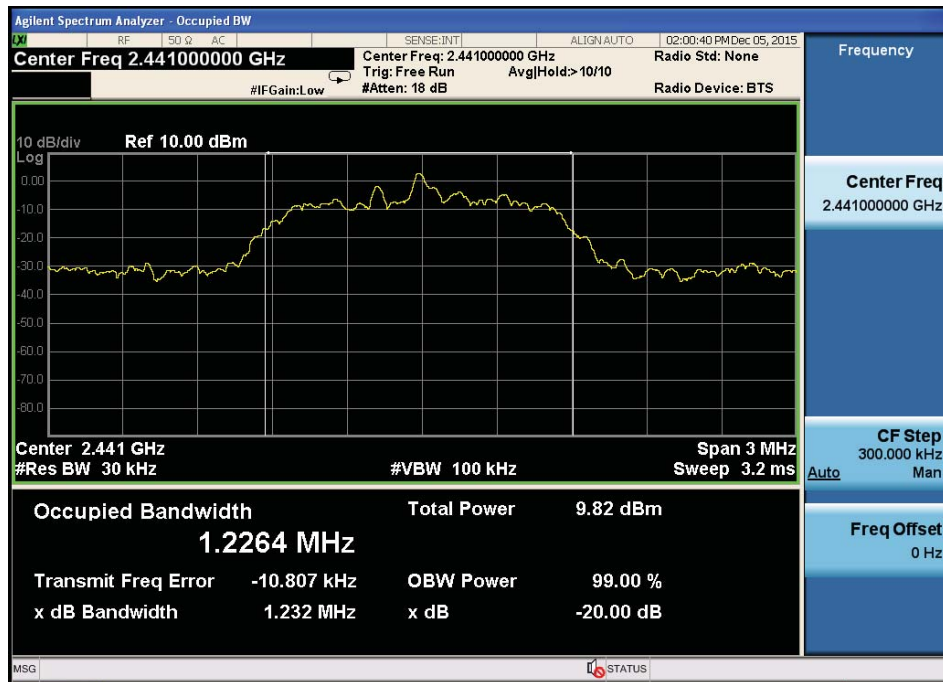
Original Test data For 20dB bandwidth
GFSK:



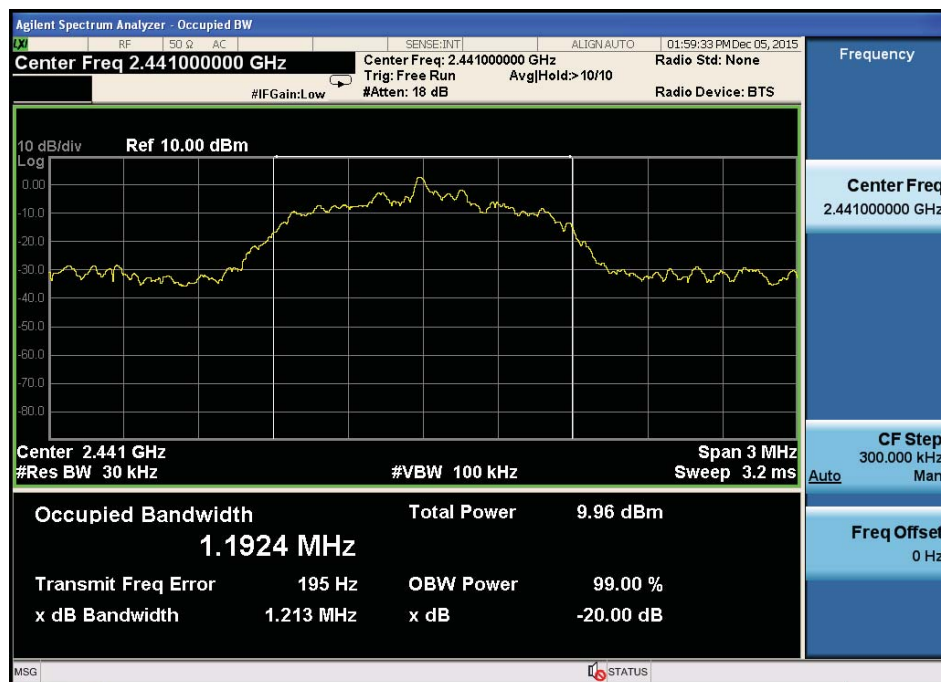
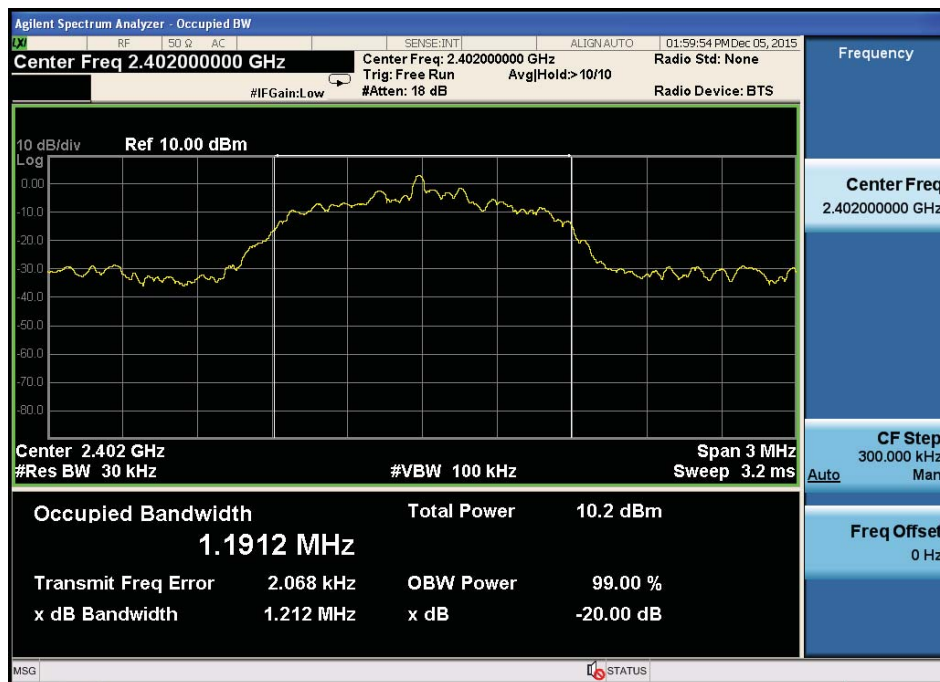


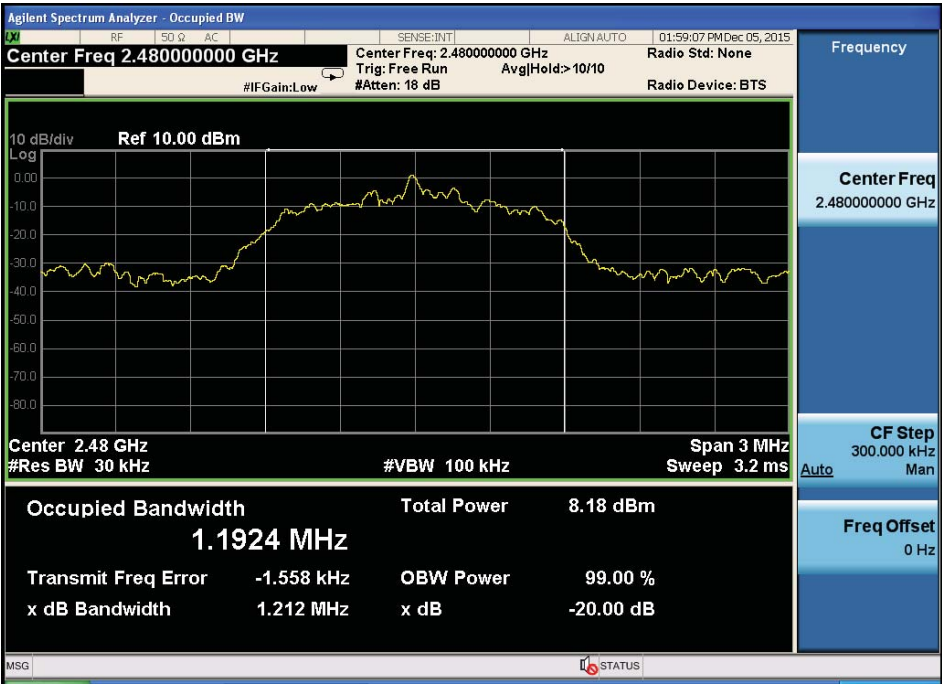
$\pi/4$ DQPSK:





8- DPSK:





5. Carrier Frequency Separation

5.1. Limit

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

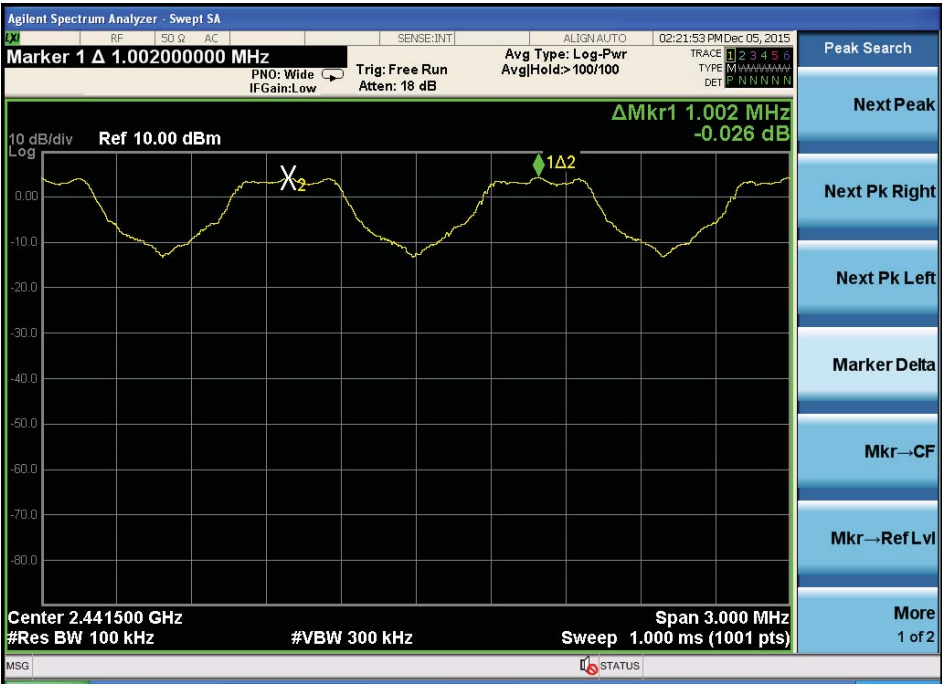
5.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The carrier frequency was measured by spectrum analyzer with 100kHz RBW and 300kHz VBW.

5.3. Test Result

| EUT: Wireless headphone M/N: LK-BH015 | | | | |
|---------------------------------------|--------------------------|----------------------|-----------------------------------|-----------------|
| Test date: 2015-12-05 | | Test site: RF site | | Tested by: Eric |
| Mode/Channel | Channel separation (MHz) | 20dB Bandwidth (KHz) | Limit (KHz) 2/3 20dB bandwidth | Conclusion |
| GFSK | 1.002 | 860.1 | 573.4 | PASS |
| $\pi/4$ DQPSK | 1.002 | 1243 | 828.667 | PASS |
| 8- DPSK | 1.002 | 1213 | 808.667 | PASS |

Original test data for channel separation
GFSK



$\pi/4$ DQPSK



8- DPSK:



6. Number Of Hopping Channel

6.1. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

6.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The number of hopping channel was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW.

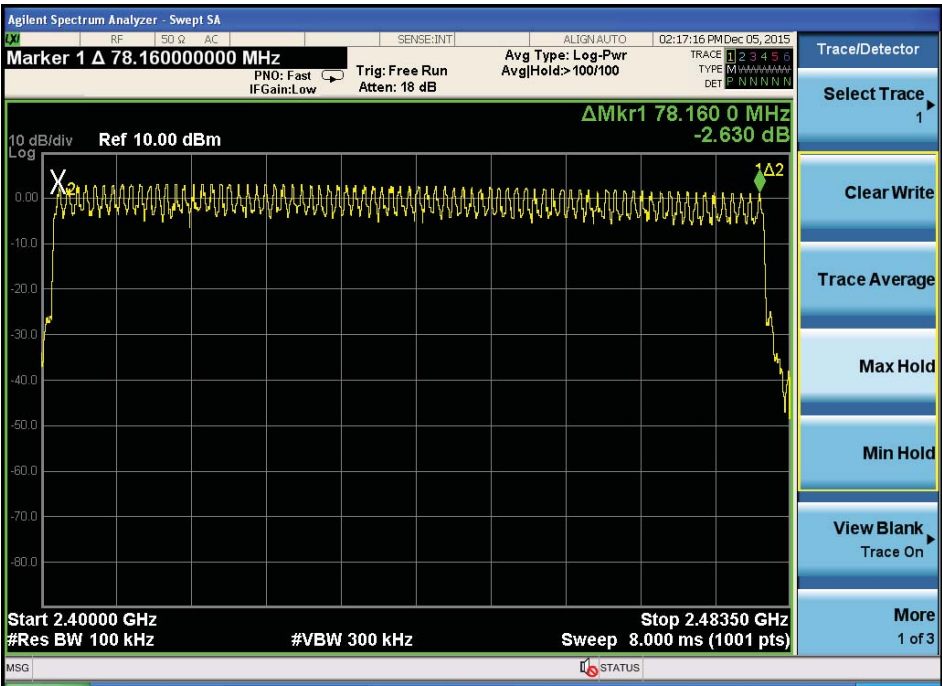
6.3. Test Result

| | | | |
|---------------------------------------|---------------------------|--------------------|-----------------|
| EUT: Wireless headphone M/N: LK-BH015 | | | |
| Test date: 2015-12-05 | | Test site: RF site | Tested by: Eric |
| Mode | Number of hopping channel | Limit | Conclusion |
| GFSK | 79 | >15 | PASS |
| $\pi/4$ DQPSK | 79 | >15 | PASS |
| 8- DPSK | 79 | >15 | PASS |

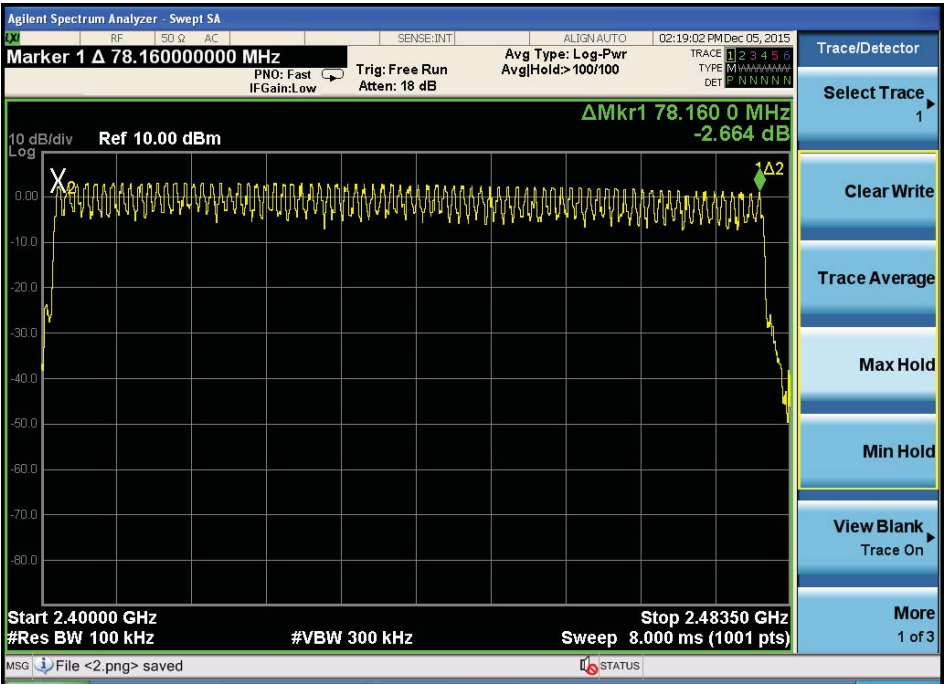
Original test data for hopping channel number
GFSK



$\pi/4$ DQPSK



8- DPSK:



7. Dwell Time

7.1. Test limit

Please refer section 15.247

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400MHz-2483.5 MHz. The average time of occupancy on any frequency shall not greater than 0.4 s within period of 0.4 sec- onds multiplied by the number of hopping channel employed.

7.2. Test Procedure

7.2.1. Place the EUT on the table and set it in transmitting mode.

7.2.2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

7.2.3. Set center frequency of spectrum analyzer = operating frequency.

7.2.4. Set the spectrum analyzer as RBW, VBW=1MHz, Span = 0Hz, Sweep = auto.

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

7.3. Test Results

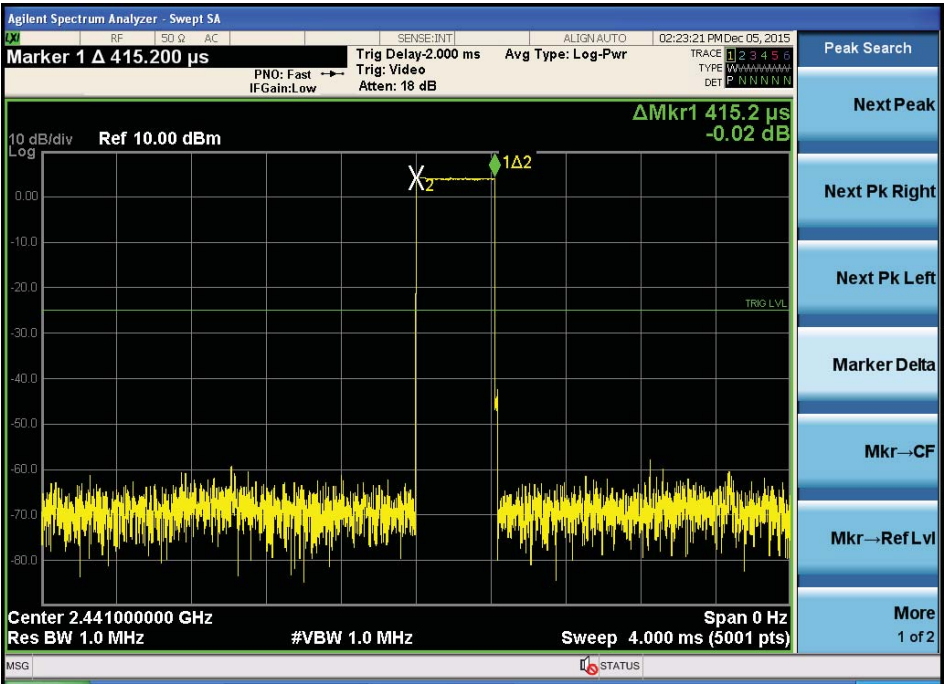
PASS.

Detailed information please see the following page.

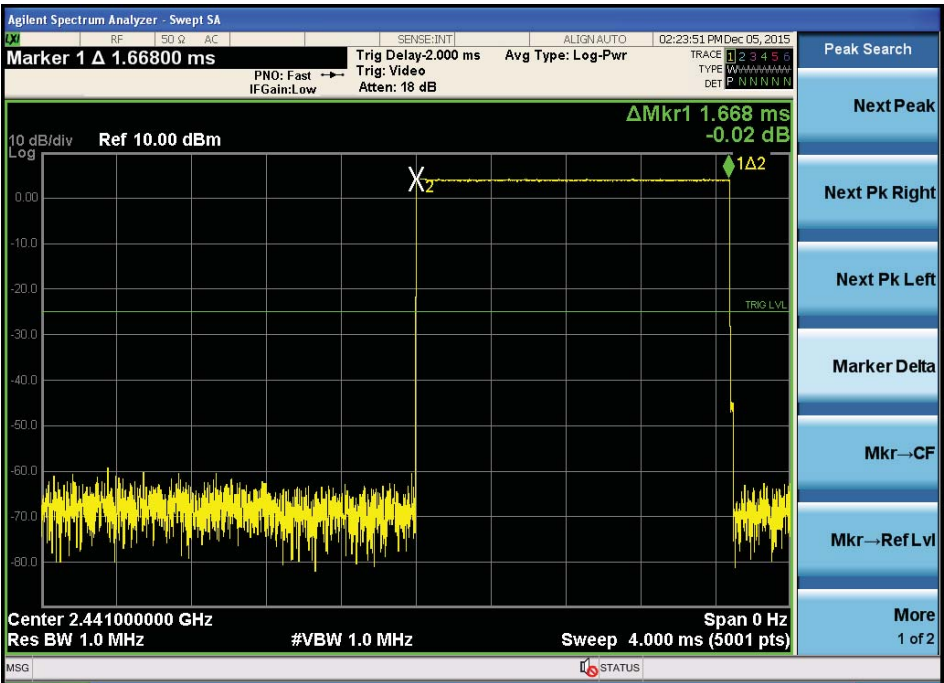
| EUT: Wireless headphone | | M/N: LK-BH015 | | | | |
|---|-------------|--------------------|---------------------|-----------------|-----------|------------|
| Test date: 2015-12-05 | | Test site: RF site | | Tested by: Eric | | |
| Mode | Data Packet | Frequency (MHz) | Pulse Duration (ms) | Dwell Time (s) | Limit (s) | Conclusion |
| GFSK | DH1 | 2441 | 0.415 | 0.266 | <0.4 | PASS |
| | DH3 | 2441 | 1.668 | 0.356 | <0.4 | PASS |
| | DH5 | 2441 | 2.920 | 0.374 | <0.4 | PASS |
| $\pi/4$ DQPSK | DH1 | 2441 | 0.426 | 0.273 | <0.4 | PASS |
| | DH3 | 2441 | 1.677 | 0.358 | <0.4 | PASS |
| | DH5 | 2441 | 2.928 | 0.375 | <0.4 | PASS |
| 8- DPSK | DH1 | 2441 | 0.426 | 0.273 | <0.4 | PASS |
| | DH3 | 2441 | 1.676 | 0.358 | <0.4 | PASS |
| | DH5 | 2441 | 2.927 | 0.375 | <0.4 | PASS |
| <p>Note: 1 A period time = 0.4 (s) * 79 = 31.6(s)</p> <p>2 DH1 time slot = Pulse Duration * (1600/(1*79)) * A period time</p> <p>DH3 time slot = Pulse Duration * (1600/(3*79)) * A period time</p> <p>DH5 time slot = Pulse Duration * (1600/(5*79)) * A period time</p> | | | | | | |

GFSK

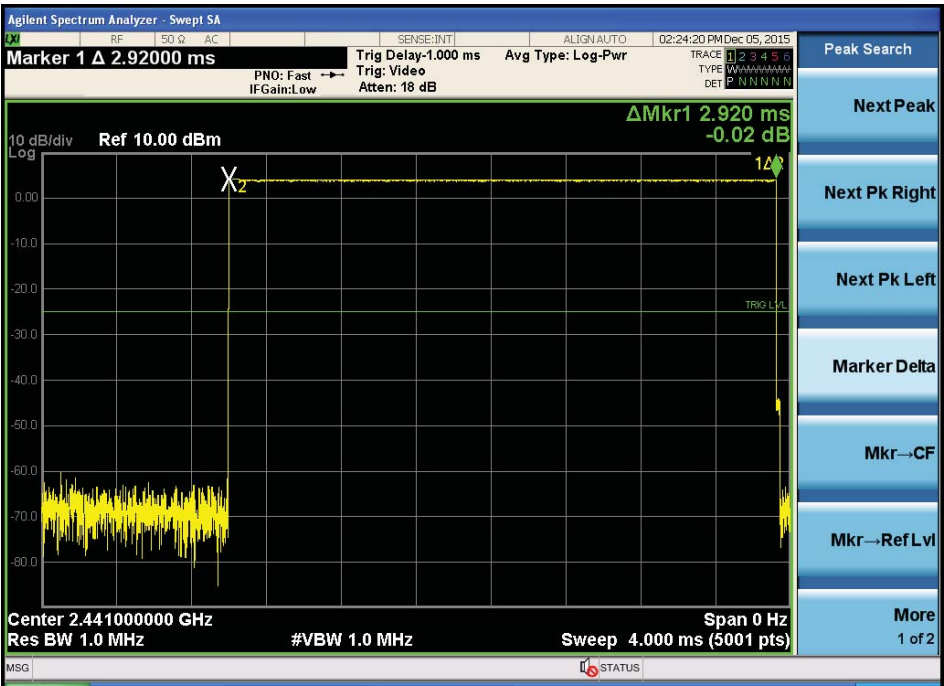
DH1:



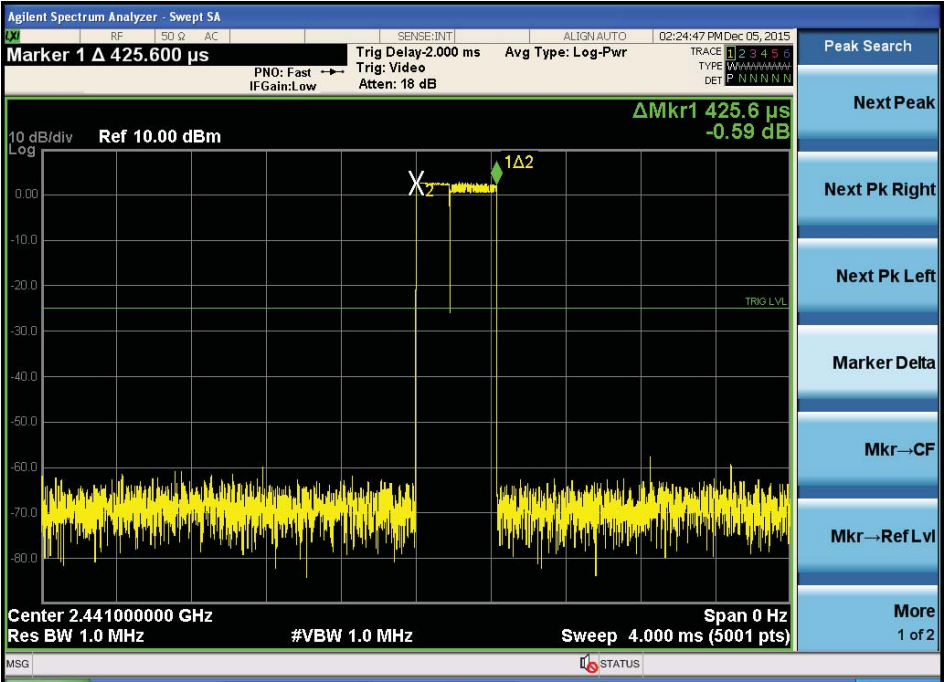
DH3:



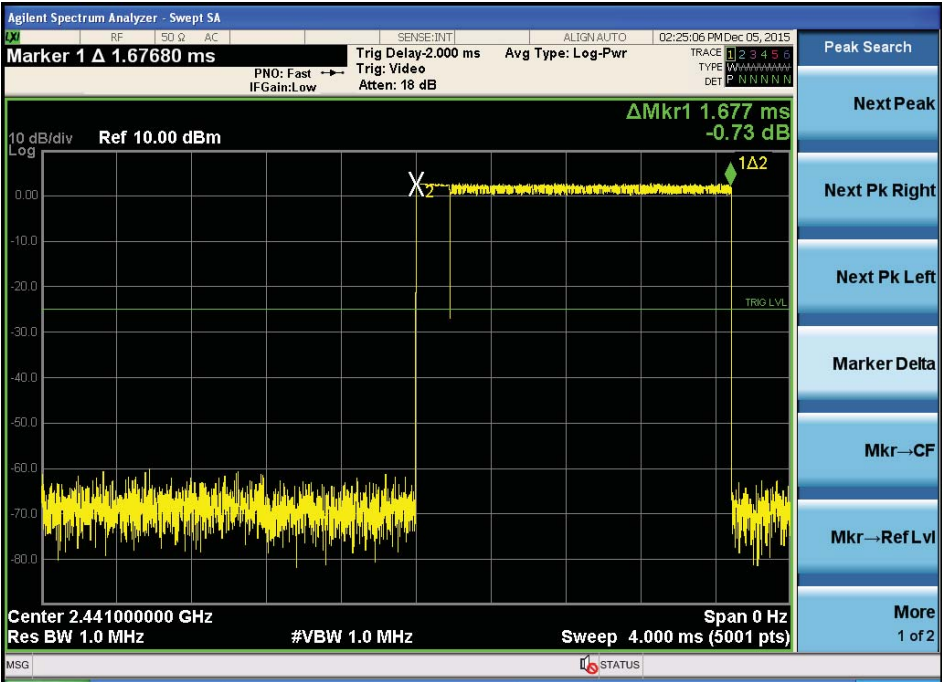
DH5



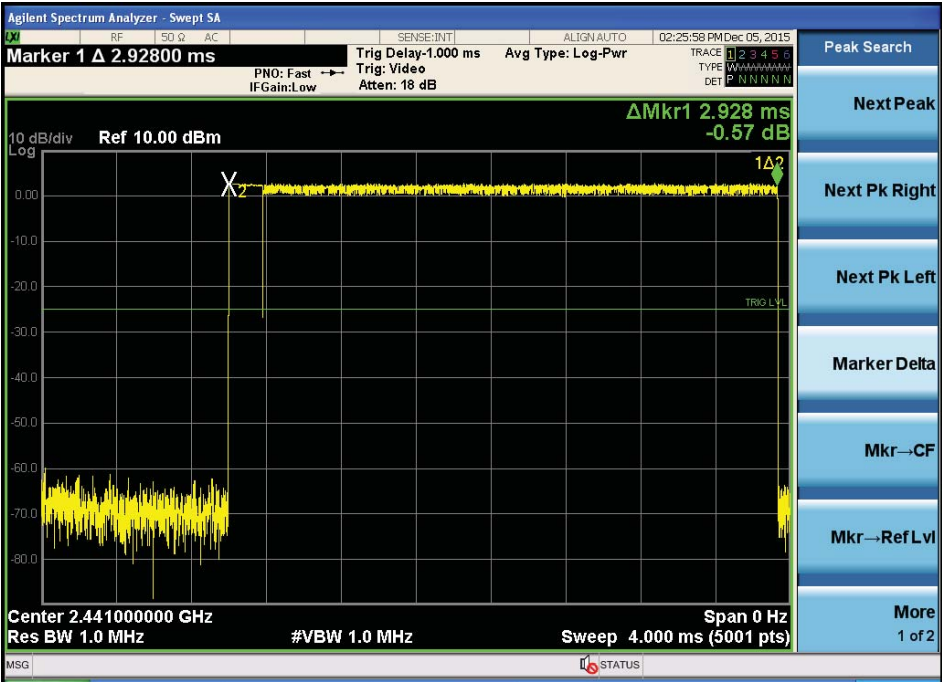
$\pi/4$ DQPSK
DH1



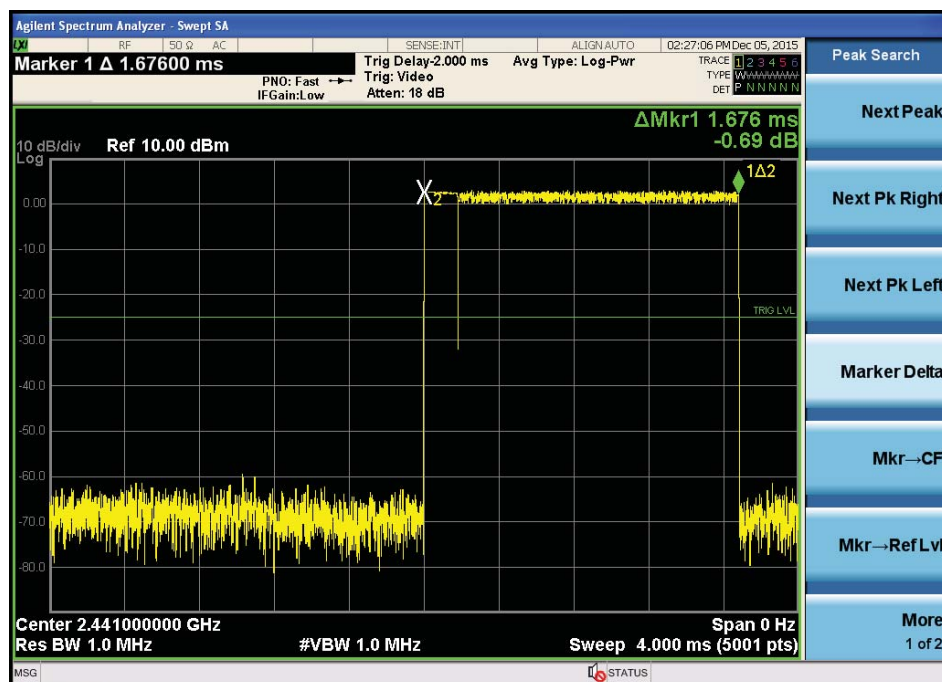
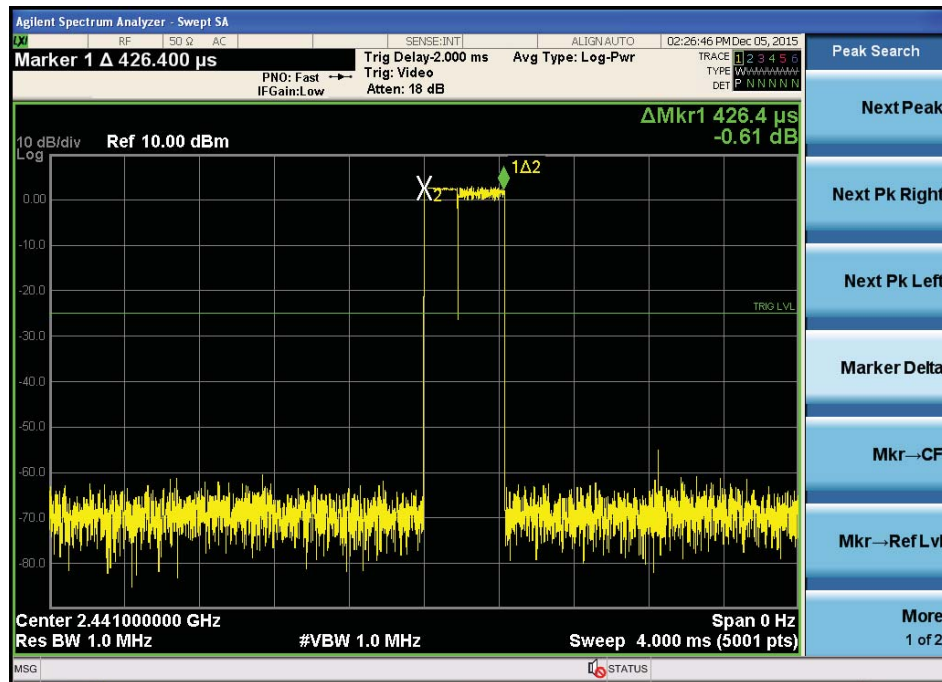
DH3

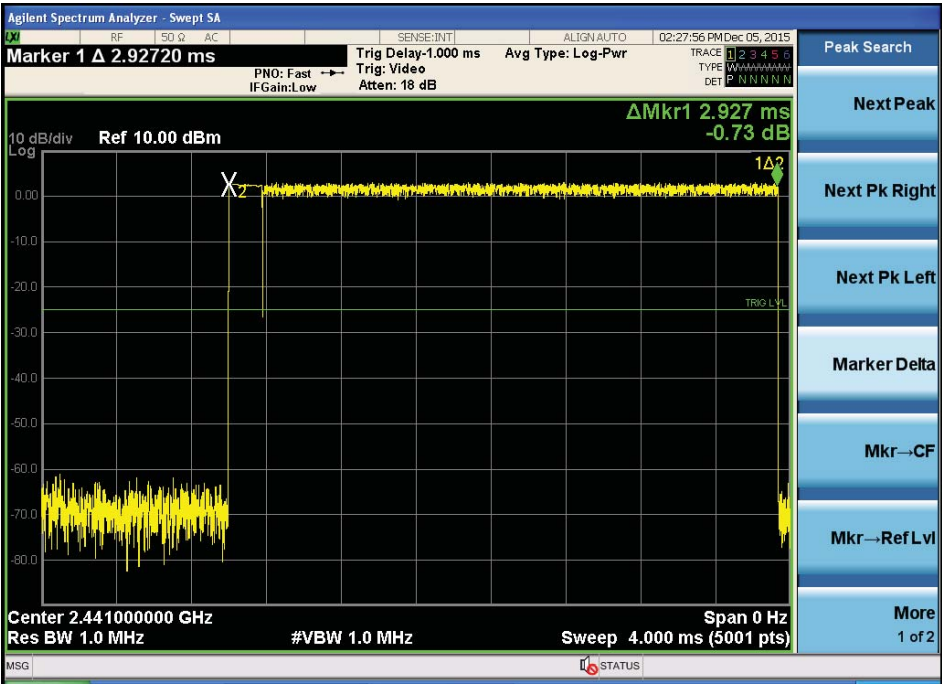


DH5



8- DPSK:





8. Radiated emissions

8.1. Limit

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band

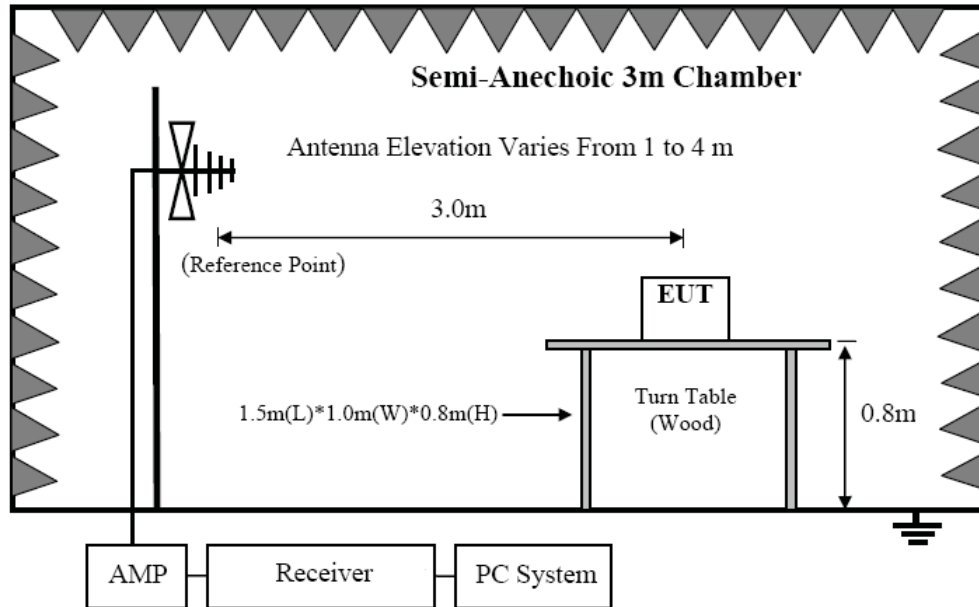
| MHz | MHz | MHz | GHz |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| ¹ 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 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) |

15.209 Limit

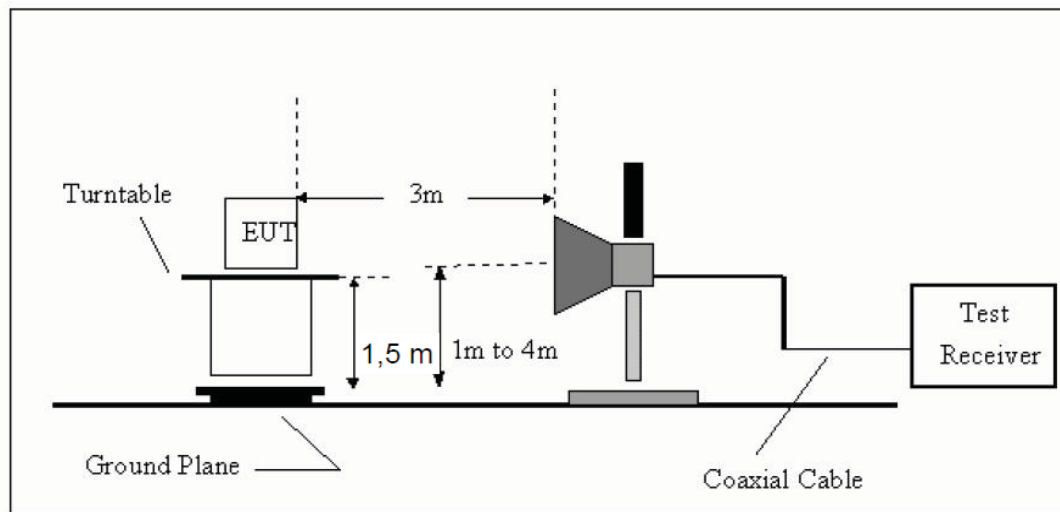
| FREQUENCY MHz | DISTANCE Meters | FIELD STRENGTHS LIMIT | |
|------------------|--------------------|---|----------|
| | | μV/m | dB(μV)/m |
| 0.009-0.490 | 300 | 2400/F(KHz) | / |
| 0.490-1.705 | 30 | 24000/F(KHz) | / |
| 1.705-30 | 30 | 30 | 29.5 |
| 30 ~ 88 | 3 | 100 | 40.0 |
| 88 ~ 216 | 3 | 150 | 43.5 |
| 216 ~ 960 | 3 | 200 | 46.0 |
| 960 ~ 1000 | 3 | 500 | 54.0 |
| Above 1000 | 3 | 74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average) | |

8.2. Block Diagram of Test setup

8.2.1 In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



8.2.2 In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

8.3. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and simulator as shown in section 1.4 and 6.1
- (3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
 - (a) Change work frequency or channel of device if practicable.
 - (b) Change modulation type of device if practicable.
 - (c) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated
- (5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4 :2014on Radiated Emission test.
- (6) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure.

8.4. Test Result

We have scanned the 10th harmonic from 9KHz to the EUT.
Detailed information please see the following page.

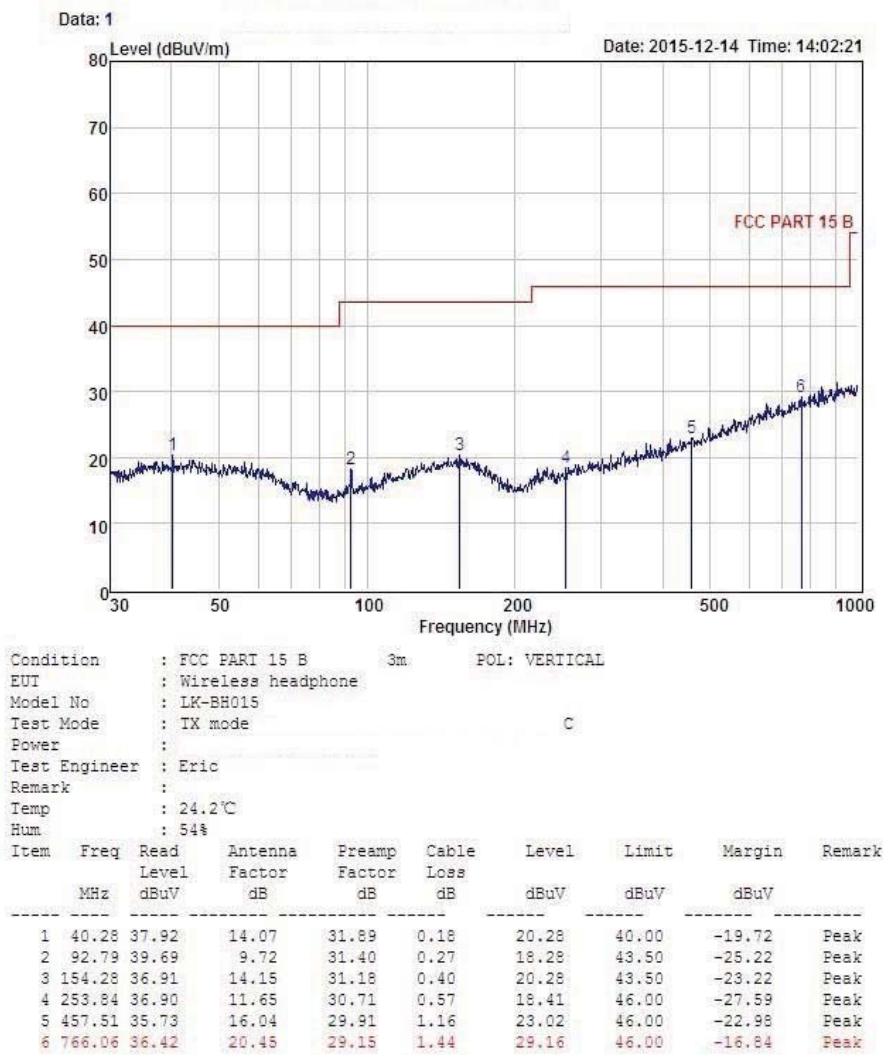
From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

From 30MHz to 1000MHz: Conclusion: PASS



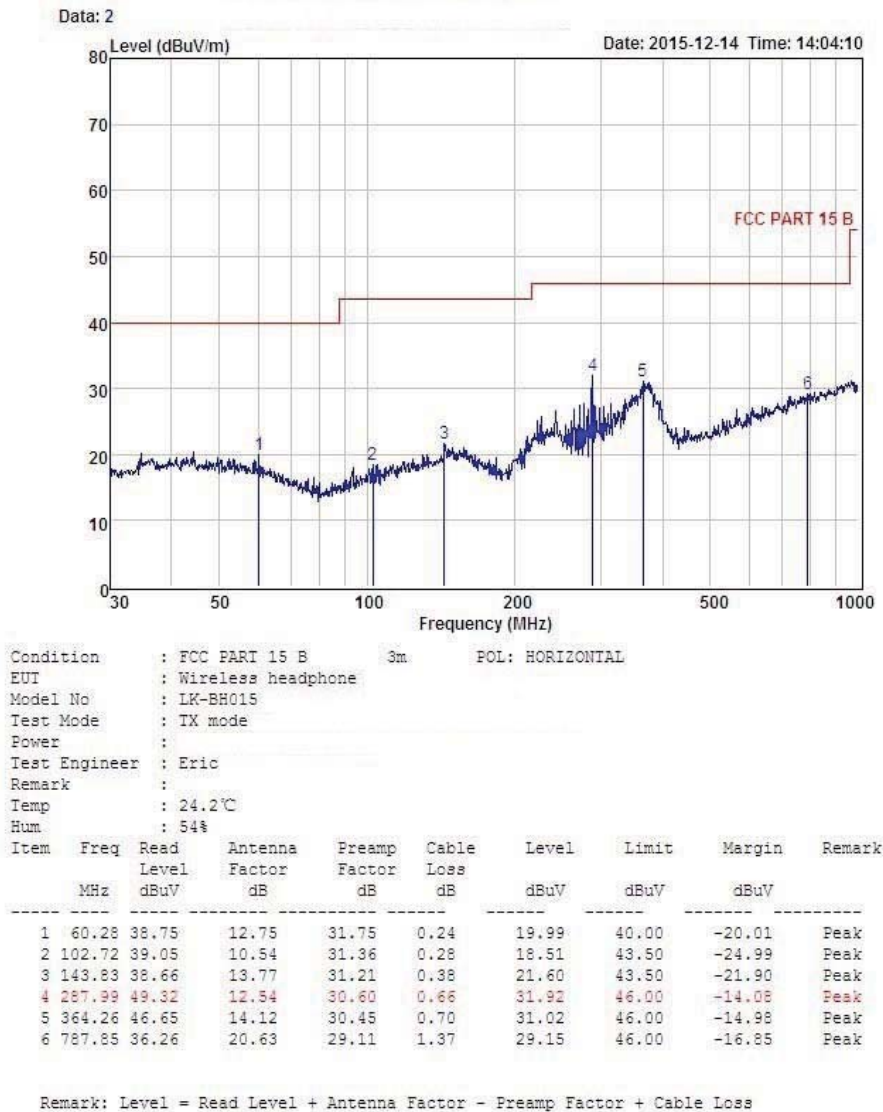
Shenzhen Alpha Product Testing Co., Ltd.
Building B, East Area of Nanchang Second Industrial Zone,
Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China
Tel: +86-755-29766001 FAX: +86-755-86375565
Website: <http://www.a-lab.cn> Email: service@a-lab.cn



Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Remark: All modes have been tested, and only worst data of GFSK mode, Channel 2402MHz was listed in this report.

| 1GHz—25GHz Radiated emission Test result | | | | | | | | | |
|---|------------|---------------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| EUT: Wireless headphone | | | M/N: LK-BH015 | | | | | | |
| Power: DC 3.7V From Battery | | | | | | | | | |
| Test date: 2015-12-05 | | | Test site: 3m Chamber | | | Tested by: Eric | | | |
| Test mode: GFSK Tx CH1 2402MHz | | | | | | | | | |
| Antenna polarity: Vertical | | | | | | | | | |
| No | Freq (MHz) | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 1 | 4804 | 43.23 | 33.98 | 10.22 | 34.25 | 53.18 | 74 | 20.82 | PK |
| 2 | 4804 | 31.84 | 33.98 | 10.22 | 34.25 | 41.79 | 54 | 12.21 | AV |
| 3 | 7206 | / | | | | | | | |
| 4 | 9608 | / | | | | | | | |
| 5 | 12010 | / | | | | | | | |
| Antenna Polarity: Horizontal | | | | | | | | | |
| 1 | 4804 | 41.24 | 33.98 | 10.22 | 34.25 | 51.19 | 74 | 22.81 | PK |
| 2 | 4804 | 32.63 | 33.98 | 10.22 | 34.25 | 42.58 | 54 | 11.42 | AV |
| 3 | 7206 | / | | | | | | | |
| 4 | 9608 | / | | | | | | | |
| 5 | 12010 | / | | | | | | | |
| Note: | | | | | | | | | |
| 1, Measuring frequency from 1GHz to 25GHz | | | | | | | | | |
| 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor | | | | | | | | | |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. | | | | | | | | | |

| 1GHz—25GHz Radiated emissison Test result | | | | | | | | | |
|---|------------|---------------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| EUT: Wireless headphone | | | M/N: LK-BH015 | | | | | | |
| Power: DC 3.7V | | | | | | | | | |
| Test date: 2015-12-05 | | | Test site: 3m Chamber | | | Tested by: Eric | | | |
| Test mode: GFSK Tx CH40 2441MHz | | | | | | | | | |
| Antenna polarity: Vertical | | | | | | | | | |
| No | Freq (MHz) | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 1 | 4882 | 41.75 | 33.93 | 10.2 | 34.29 | 51.59 | 74 | 22.41 | PK |
| 2 | 4882 | 33.41 | 33.93 | 10.2 | 34.29 | 43.25 | 54 | 10.75 | AV |
| 3 | 7323 | / | | | | | | | |
| 4 | 9764 | / | | | | | | | |
| 5 | 12205 | / | | | | | | | |
| Antenna Polarity: Horizontal | | | | | | | | | |
| 1 | 4882 | 43.07 | 33.93 | 10.2 | 34.29 | 52.91 | 74 | 21.09 | PK |
| 2 | 4882 | 31.82 | 33.93 | 10.2 | 34.29 | 41.66 | 54 | 12.34 | AV |
| 3 | 7323 | / | | | | | | | |
| 4 | 9764 | / | | | | | | | |
| 5 | 12205 | / | | | | | | | |
| Note: | | | | | | | | | |
| 1, Measuring frequency from 1GHz to 25GHz | | | | | | | | | |
| 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor | | | | | | | | | |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. | | | | | | | | | |

| 1GHz—25GHz Radiated emissison Test result | | | | | | | | | |
|---|------------|---------------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| EUT: Wireless headphone | | | M/N: LK-BH015 | | | | | | |
| Power: DC 3.7V From Battery | | | | | | | | | |
| Test date: 2015-12-05 | | | Test site: 3m Chamber | | | Tested by: Eric | | | |
| Test mode: GFSK Tx CH79 2480MHz | | | | | | | | | |
| Antenna polarity: Vertical | | | | | | | | | |
| No | Freq (MHz) | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 1 | 4960 | 42.59 | 33.95 | 10.18 | 34.26 | 52.46 | 74 | 21.54 | PK |
| 2 | 4960 | 32.25 | 33.95 | 10.18 | 34.26 | 42.12 | 54 | 11.88 | AV |
| 3 | 7440 | / | | | | | | | |
| 4 | 9920 | / | | | | | | | |
| 5 | 12400 | / | | | | | | | |
| Antenna Polarity: Horizontal | | | | | | | | | |
| 1 | 4960 | 41.53 | 33.95 | 10.18 | 34.26 | 51.4 | 74 | 22.6 | PK |
| 2 | 4960 | 32.77 | 33.95 | 10.18 | 34.26 | 42.64 | 54 | 11.36 | AV |
| 3 | 7440 | / | | | | | | | |
| 4 | 9920 | / | | | | | | | |
| 5 | 12400 | / | | | | | | | |
| Note: | | | | | | | | | |
| 1, Measuring frequency from 1GHz to 25GHz | | | | | | | | | |
| 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor | | | | | | | | | |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. | | | | | | | | | |

| 1GHz—25GHz Radiated emission Test result | | | | | | | | | |
|---|------------|---------------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| EUT: Wireless headphone | | | M/N: LK-BH015 | | | | | | |
| Power: DC 3.7V From Battery | | | | | | | | | |
| Test date: 2015-12-05 | | | Test site: 3m Chamber | | | Tested by: Eric | | | |
| Test mode: $\pi/4$ DQPSK Tx CH1 2402MHz | | | | | | | | | |
| Antenna polarity: Vertical | | | | | | | | | |
| No | Freq (MHz) | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 1 | 4804 | 42.39 | 33.98 | 10.22 | 34.25 | 52.34 | 74 | 21.66 | PK |
| 2 | 4804 | 31.65 | 33.98 | 10.22 | 34.25 | 41.6 | 54 | 12.4 | AV |
| 3 | 7206 | / | | | | | | | |
| 4 | 9608 | / | | | | | | | |
| 5 | 12010 | / | | | | | | | |
| Antenna Polarity: Horizontal | | | | | | | | | |
| 1 | 4804 | 41.53 | 33.98 | 10.22 | 34.25 | 51.48 | 74 | 22.52 | PK |
| 2 | 4804 | 32.19 | 33.98 | 10.22 | 34.25 | 42.14 | 54 | 11.86 | AV |
| 3 | 7206 | / | | | | | | | |
| 4 | 9608 | / | | | | | | | |
| 5 | 12010 | / | | | | | | | |
| Note: | | | | | | | | | |
| 1, Measuring frequency from 1GHz to 25GHz | | | | | | | | | |
| 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor | | | | | | | | | |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. | | | | | | | | | |

| 1GHz—25GHz Radiated emissison Test result | | | | | | | | | |
|---|------------|---------------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| EUT: Wireless headphone | | | | | M/N: LK-BH015 | | | | |
| Power: DC 3.7V From Battery | | | | | | | | | |
| Test date: 2015-12-05 | | | Test site: 3m Chamber | | | Tested by: Eric | | | |
| Test mode: $\pi/4$ DQPSK Tx CH40 2441MHz | | | | | | | | | |
| Antenna polarity: Vertical | | | | | | | | | |
| No | Freq (MHz) | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 1 | 4882 | 43.04 | 33.93 | 10.2 | 34.29 | 52.88 | 74 | 21.12 | PK |
| 2 | 4882 | 34.25 | 33.93 | 10.2 | 34.29 | 44.09 | 54 | 9.91 | AV |
| 3 | 7323 | / | | | | | | | |
| 4 | 9764 | / | | | | | | | |
| 5 | 12205 | / | | | | | | | |
| Antenna Polarity: Horizontal | | | | | | | | | |
| 1 | 4882 | 43.04 | 33.93 | 10.2 | 34.29 | 52.88 | 74 | 21.12 | PK |
| 2 | 4882 | 34.25 | 33.93 | 10.2 | 34.29 | 44.09 | 54 | 9.91 | AV |
| 3 | 7323 | / | | | | | | | |
| 4 | 9764 | / | | | | | | | |
| 5 | 12205 | / | | | | | | | |

Note:

- 1, Measuring frequency from 1GHz to 25GHz
- 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

| 1GHz—25GHz Radiated emissison Test result | | | | | | | | | |
|---|------------|---------------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| EUT: Wireless headphone | | | M/N: LK-BH015 | | | | | | |
| Power: DC 3.7V From Battery | | | | | | | | | |
| Test date: 2015-12-05 | | | Test site: 3m Chamber | | | Tested by: Eric | | | |
| Test mode: $\pi/4$ DQPSK Tx CH79 2480MHz | | | | | | | | | |
| Antenna polarity: Vertical | | | | | | | | | |
| No | Freq (MHz) | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 1 | 4960 | 40.84 | 33.95 | 10.18 | 34.26 | 50.71 | 74 | 23.29 | PK |
| 2 | 4960 | 31.71 | 33.95 | 10.18 | 34.26 | 41.58 | 54 | 12.42 | AV |
| 3 | 7440 | / | | | | | | | |
| 4 | 9920 | / | | | | | | | |
| 5 | 12400 | / | | | | | | | |
| Antenna Polarity: Horizontal | | | | | | | | | |
| 1 | 4960 | 43.08 | 33.95 | 10.18 | 34.26 | 52.95 | 74 | 21.05 | PK |
| 2 | 4960 | 32.43 | 33.95 | 10.18 | 34.26 | 42.3 | 54 | 11.7 | AV |
| 3 | 7440 | / | | | | | | | |
| 4 | 9920 | / | | | | | | | |
| 5 | 12400 | / | | | | | | | |
| Note: | | | | | | | | | |
| 1, Measuring frequency from 1GHz to 25GHz | | | | | | | | | |
| 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK | | | | | | | | | |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor | | | | | | | | | |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. | | | | | | | | | |