# FCC RADIO TEST REPORT
# FCC ID: 2AAE3BT300

| | |
|---|---|
| **Product：** | Bluetooth Headphone |
| **Trade Name：** | KOPPO |
| **Model Name：** | BT300 |
| **Serial Model：** | BT100, BT200, BT506, BT508, BT512, BT513, BT538, BT531, BT020, BT021 |
| **Report No.：** | STT-20130529005F |

## Prepared for

Dongguan Koppo Electronic.,Ltd

Xingyinning Industrial Park, Hongshiqiao Industiral Area, Yantian Village, Fenggang Town, Dongguan City,Guangdong Province,China 523703

## Prepared by

Shenzhen STONE Testing Technology Co.,Ltd.

F/6, Bldg.12, Zhongxing Industrial City, Chuangye Rd., Nanshan District Shenzhen China

# TEST RESULT CERTIFICATION

| | | |
|---|---|---|
| **Applicant's name** | : | Dongguan Koppo Electronic.,Ltd |
| Address | : | Xingyinning Industrial Park, Hongshiqiao Industiral Area, Yantian Village, Fenggang Town, Dongguan City, Guangdong Province,China 523703 |
| **Manufacture's Name** | : | Dongguan Koppo Electronic.,Ltd |
| Address | : | Xingyinning Industrial Park, Hongshiqiao Industiral Area, Yantian Village, Fenggang Town, Dongguan City, Guangdong Province,China 523703 |

**Product description**

| | | |
|---|---|---|
| Product name | : | Bluetooth Headphone |
| Model and/or type reference | : | BT300, BT100, BT200, BT506, BT508, BT512, BT513, BT538, BT531, BT020, BT021 |
| **Standards** | : | FCC Part15.247 |
| Test procedure | | ANSI C63.4-2003 |

This device described above has been tested by STT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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| | | |
|---|---|---|
| **Date of Test** | : | |
| Date (s) of performance of tests | : | 20 May 2013 ~29 May 2013 |
| Date of Issue | : | 29 May 2013 |
| Test Result | : | **Pass** |

Testing Engineer : Can Liu

(Can Liu)

Technical Manager : Jenny You

(Jenny You)

Authorized Signatory : Jim He

(Jim He)

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## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15 (15.247) , Subpart C | | | |
|---|---|---|---|
| Standard Section | Test Item | Judgment | Remark |
| 15.207 | Conducted Emission | PASS | |
| 15.247(a)(1) | Hopping Channel Separation | PASS | |
| 15.247(b)(1) | Peak Output Power | PASS | |
| 15.247(c) | Radiated Spurious Emission | PASS | |
| 15.247(a)(iii) | Number of Hopping Frequency | PASS | |
| 15.247(a)(iii) | Dwell Time | PASS | |
| 15.247(a)(1) | Bandwidth | PASS | |
| 15.205 | Band Edge Emission | PASS | |
| 15.203 | Antenna Requirement | PASS | |

NOTE:

(1)” N/A” denotes test is not applicable in this Test Report

### 1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd
Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.
FCC Registration No.:238937; IC Registration No.:9270A-1
CNAS Registration No.:L5516

### 1.2 MEASUREMENT UNCERTAINTY

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

| No. | Item | Uncertainty |
|---|---|---|
| 1 | Conducted Emission Test | ±1.38dB |
| 2 | RF power,conducted | ±0.16dB |
| 3 | Spurious emissions,conducted | ±0.21dB |
| 4 | All emissions,radiated(<1G) | ±4.68dB |
| 5 | All emissions,radiated(>1G) | ±4.89dB |
| 6 | Temperature | ±0.5°C |
| 7 | Humidity | ±2% |

# 2. GENERAL INFORMATION

## 2.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>Bluetooth Headphone</td></tr>
<tr><td>Trade Name</td><td>KOPPO</td></tr>
<tr><td>Model Name</td><td>BT300</td></tr>
<tr><td>Serial Model</td><td>BT100, BT200, BT506, BT508, BT512, BT513, BT538, BT531, BT020, BT021</td></tr>
<tr><td>Model Difference</td><td>All the model are the same circuit and RF module,<br>except the appearance colour .</td></tr>
<tr><td>Product Description</td><td>The EUT is a Bluetooth Headphone
<table>
<tr><td>Operation Frequency:</td><td>2402~2480 MHz</td></tr>
<tr><td>Modulation Type:</td><td>BT(1Mbps): GFSK<br>BT EDR(2Mbps):∏/4-DQPSK<br>BT EDR(3Mbps): 8-DPSK</td></tr>
<tr><td>Bit Rate of Transmitter</td><td>1Mbps/2Mbps/3Mbps</td></tr>
<tr><td>Number Of Channel</td><td>79 CH</td></tr>
<tr><td>Antenna Designation:</td><td>Please see Note 3.</td></tr>
<tr><td>Output Power(Conducted):</td><td>BT(1Mbps): -1.709dBm<br>BT EDR(2Mbps): -0.736dBm<br>BT EDR(3Mbps): -0.569dBm</td></tr>
</table>
Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</td></tr>
<tr><td>Channel List</td><td>Please refer to the Note 2.</td></tr>
<tr><td>Adapter</td><td>N/A</td></tr>
<tr><td>Battery</td><td>DC 3.7V</td></tr>
</table>

Note:

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

2.

| Channel List | | | | | |
|---|---|---|---|---|---|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 00 | 2402 | 27 | 2429 | 54 | 2456 |
| 01 | 2403 | 28 | 2430 | 55 | 2457 |
| 02 | 2404 | 29 | 2431 | 56 | 2458 |
| 03 | 2405 | 30 | 2432 | 57 | 2459 |
| 04 | 2406 | 31 | 2433 | 58 | 2460 |
| 05 | 2407 | 32 | 2434 | 59 | 2461 |
| 06 | 2408 | 33 | 2435 | 60 | 2462 |
| 07 | 2409 | 34 | 2436 | 61 | 2463 |
| 08 | 2410 | 35 | 2437 | 62 | 2464 |
| 09 | 2411 | 36 | 2438 | 63 | 2465 |
| 10 | 2412 | 37 | 2439 | 64 | 2466 |
| 11 | 2413 | 38 | 2440 | 65 | 2467 |
| 12 | 2414 | 39 | 2441 | 66 | 2468 |
| 13 | 2415 | 40 | 2442 | 67 | 2469 |
| 14 | 2416 | 41 | 2443 | 68 | 2470 |
| 15 | 2417 | 42 | 2444 | 69 | 2471 |
| 16 | 2418 | 43 | 2445 | 70 | 2472 |
| 17 | 2419 | 44 | 2446 | 71 | 2473 |
| 18 | 2420 | 45 | 2447 | 72 | 2474 |
| 19 | 2421 | 46 | 2448 | 73 | 2475 |
| 20 | 2422 | 47 | 2449 | 74 | 2476 |
| 21 | 2423 | 48 | 2450 | 75 | 2477 |
| 22 | 2424 | 49 | 2451 | 76 | 2478 |
| 23 | 2425 | 50 | 2452 | 77 | 2479 |
| 24 | 2426 | 51 | 2453 | 78 | 2480 |
| 25 | 2427 | 52 | 2454 | | |
| 26 | 2428 | 53 | 2455 | | |

3.

Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | NOTE |
|---|---|---|---|---|---|---|
| 1 | N/A | N/A | PCB Antenna | N/A | 0 | BT Antenna |

## 2.2 DESCRIPTION OF TEST MODES

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

| Pretest Mode | Description |
|---|---|
| Mode 1 | CH00 |
| Mode 2 | CH39 |
| Mode 3 | CH78 |
| Mode 4 | Charging |

| **For Conducted Emission** | |
|---|---|
| Final Test Mode | Description |
| Mode 4 | Charging |

| **For Radiated Emission** | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | CH00 |
| Mode 2 | CH39 |
| Mode 3 | CH78 |

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

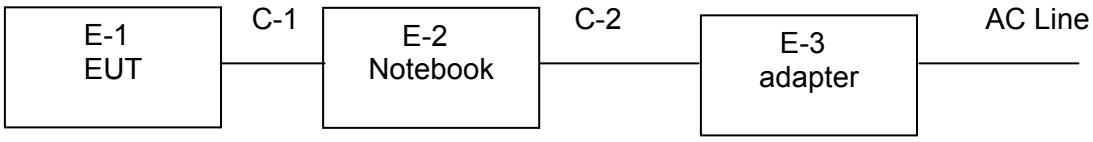
## 2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

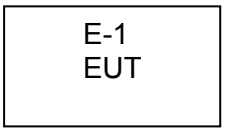
| Test software Version | Test program: N/A | | |
|---|---|---|---|
| Frequency | 2402 MHz | 2441 MHz | 2480 MHz |
| Parameters(1Mbps) | DEF | DEF | DEF |
| Parameters(2Mbps) | DEF | DEF | DEF |
| Parameters(3Mbps) | DEF | DEF | DEF |

## 2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test




Radiated Emission Test



## 2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|---|---|---|---|---|---|
| E-1 | EUT | KOPPO | BT300 | N/A | EUT |
| E-2 | Notebook | DELL | PP10L | N/A | |
| E-3 | Adapter | DELL | HA65NS1-00 | N/A | |
| | | | | | |
| | | | | | |
| | | | | | |

| Item | Shielded Type | Ferrite Core | Length | Note |
|---|---|---|---|---|
| C-1 | NO | NO | 100 | |
| C-2 | NO | NO | 120 | |
| | | | | |
| | | | | |
| | | | | |

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

## 2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
|---|---|---|---|---|---|---|---|
| 1 | Spectrum Analyzer | Agilent | E4407B | MY45108040 | 2012.07.06 | 2013.07.05 | 1 year |
| 2 | Test Receiver | R&S | ESPI | 101318 | 2012.06.07 | 2013.06.06 | 1 year |
| 3 | Bilog Antenna | TESEQ | CBL6111D | 31216 | 2012.07.06 | 2013.07.05 | 1 year |
| 4 | 50Ω Coaxial Switch | Anritsu | MP59B | 6200264416 | 2012.06.07 | 2013.06.06 | 1 year |
| 5 | Spectrum Analyzer | ADVANTEST | R3132 | 150900201 | 2012.06.07 | 2013.06.06 | 1 year |
| 6 | Horn Antenna | EM | EM-AH-10180 | 2011071402 | 2012.07.06 | 2013.07.05 | 1 year |
| 7 | Horn Ant | Schwarzbeck | BBHA 9170 | 9170-181 | 2012.07.06 | 2013.07.05 | 1 year |
| 8 | Amplifier | EM | EM-30180 | 060538 | 2012.12.22 | 2013.12.21 | 1 year |
| 9 | Loop Antenna | ARA | PLA-1030/B | 1029 | 2012.06.08 | 2013.06.07 | 1 year |
| 10 | Power Meter | R&S | NRVS | 100696 | 2012.07.06 | 2013.07.05 | 1 year |
| 11 | Power Sensor | R&S | URV5-Z4 | 0395.1619.05 | 2012.07.06 | 2013.07.05 | 1 year |

Conduction Test equipment

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
|---|---|---|---|---|---|---|---|
| 1 | Test Receiver | R&S | ESCI | 101160 | 2012.06.06 | 2013.06.05 | 1 year |
| 2 | LISN | R&S | ENV216 | 101313 | 2012.08.24 | 2013.08.23 | 1 year |
| 3 | LISN | EMCO | 3816/2 | 00042990 | 2012.08.24 | 2013.08.23 | 1 year |
| 4 | 50Ω Coaxial Switch | Anritsu | MP59B | 6200264417 | 2012.06.07 | 2013.06.06 | 1 year |
| 5 | Passive Voltage Probe | R&S | ESH2-Z3 | 100196 | 2012.06.07 | 2013.06.06 | 1 year |
| 6 | Absorbing clamp | R&S | MOS-21 | 100423 | 2012.06.08 | 2013.06.07 | 1 year |

# 3. EMC EMISSION TEST

## 3.1 CONDUCTED EMISSION MEASUREMENT

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

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

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

Note:

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

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

The following table is the setting of the receiver

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

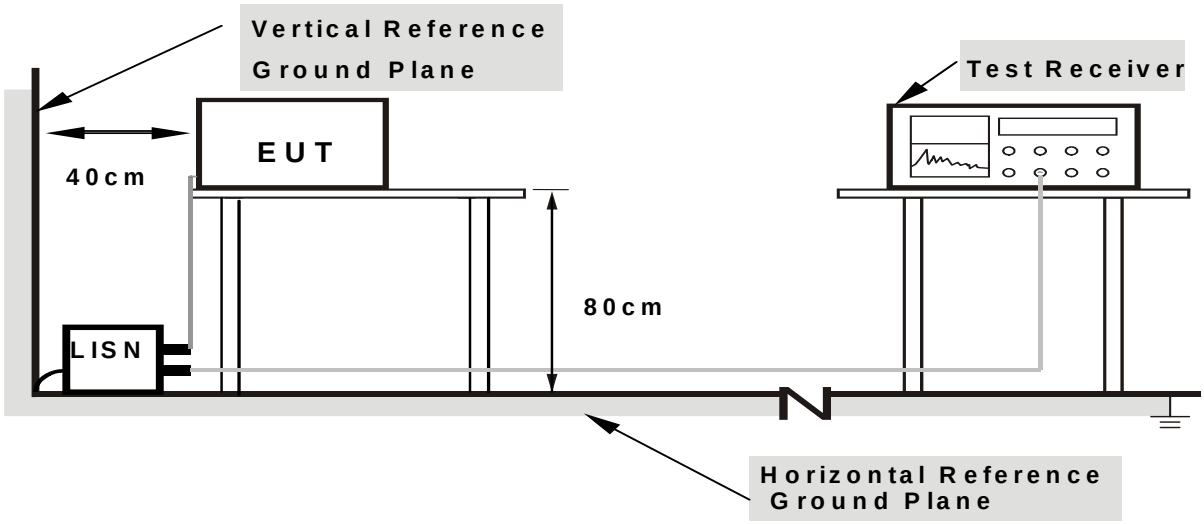
### 3.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 3.1.3 DEVIATION FROM TEST STANDARD

No deviation

### 3.1.4 TEST SETUP




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

### 3.1.5 EUT OPERATING CONDITIONS

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

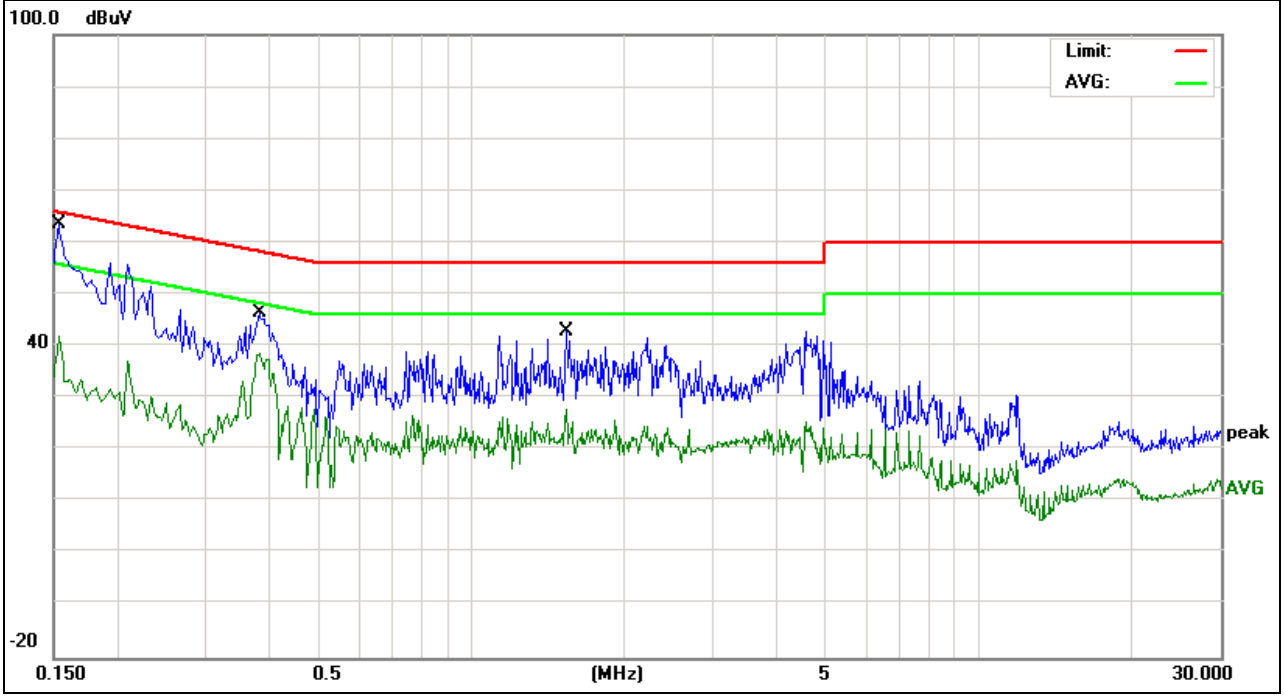
### 3.1.6 TEST RESULTS

| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 26 ℃ | Relative Humidity： | 54% |
| Pressure： | 1010hPa | Phase： | L |
| Test Voltage ： | DC 5V from PC AC 120V/60Hz | Test Mode： | Mode 4 |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV) | (dBμV) | (dB) | |
| 0.1539 | 53.81 | 9.82 | 63.63 | 65.78 | -2.15 | QP |
| 0.1539 | 42.38 | 9.82 | 52.20 | 55.78 | -3.58 | AVG |
| 0.3820 | 36.56 | 10.03 | 46.59 | 58.23 | -11.64 | QP |
| 0.3820 | 28.62 | 10.03 | 38.65 | 48.23 | -9.58 | AVG |
| 1.5420 | 32.67 | 10.20 | 42.87 | 56.00 | -13.13 | QP |
| 1.5420 | 17.71 | 10.20 | 27.91 | 46.00 | -18.09 | AVG |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

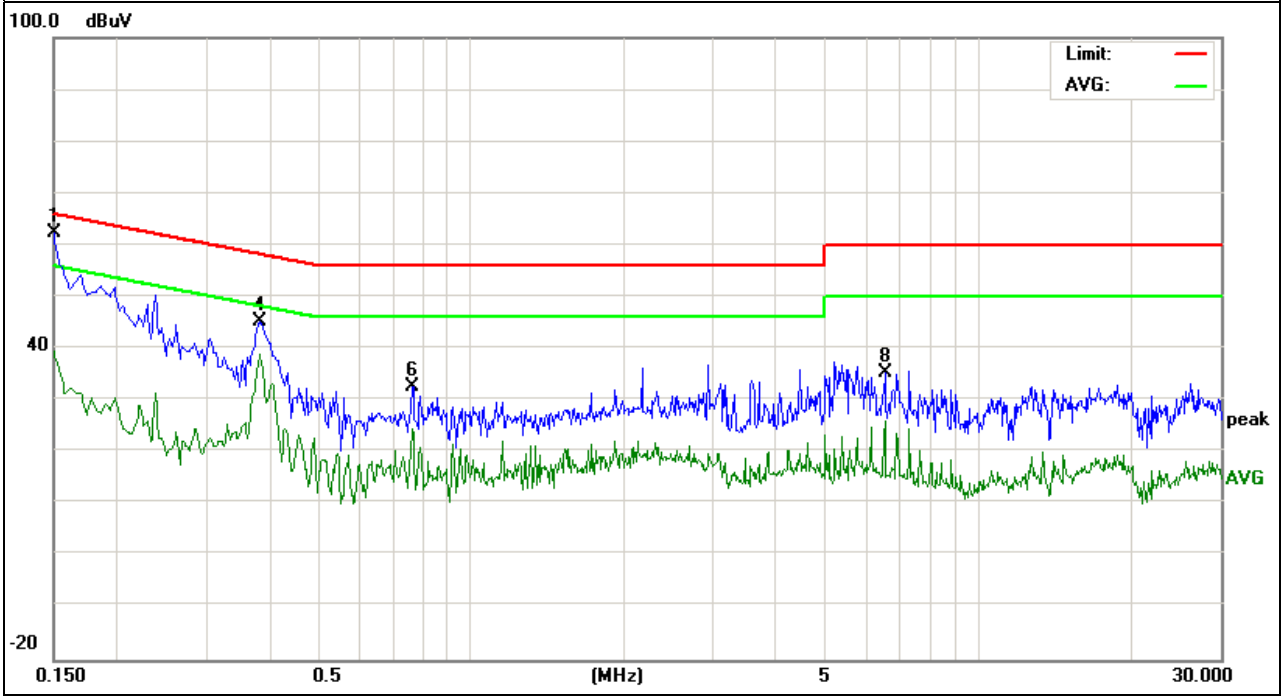


| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 26 ℃ | Relative Humidity： | 54% |
| Pressure： | 1010hPa | Phase： | N |
| Test Voltage ： | DC 5V from PC AC 120V/60Hz | Test Mode： | Mode 4 |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV) | (dBμV) | (dB) | |
| 0.1499 | 41.98 | 9.82 | 51.80 | 66.00 | -14.20 | QP |
| 0.1499 | 29.66 | 9.82 | 39.48 | 56.00 | -16.52 | AVG |
| 0.3820 | 35.07 | 10.20 | 45.27 | 58.23 | -12.96 | QP |
| 0.3820 | 28.69 | 10.20 | 38.89 | 48.23 | -9.34 | AVG |
| 0.7660 | 22.52 | 10.23 | 32.75 | 56.00 | -23.25 | QP |
| 0.7660 | 14.19 | 10.23 | 24.42 | 46.00 | -21.58 | AVG |
| 6.5300 | 24.96 | 10.34 | 35.30 | 60.00 | -24.70 | QP |
| 6.5300 | 15.83 | 10.34 | 26.17 | 50.00 | -23.83 | AVG |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. '*' means the worst case



## 3.2 RADIATED EMISSION MEASUREMENT

### 3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENCY (MHz) | Class A (dBuV/m) (at 3M) | | Class B (dBuV/m) (at 3M) | |
|---|---|---|---|---|
| | PEAK | AVERAGE | PEAK | AVERAGE |
| Above 1000 | 80 | 60 | 74 | 54 |

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

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

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

| Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz) | Range (MHz) |
|---|---|
| Below 1.705 | 30 |
| 1.705 – 108 | 1000 |
| 108 – 500 | 2000 |
| 500 – 1000 | 5000 |
| Above 1000 | $5^{th}$ harmonic of the highest frequency or 40 GHz, whichever is lower |

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average |

| Receiver Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

### 3.2.2 TEST PROCEDURE

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

Note:

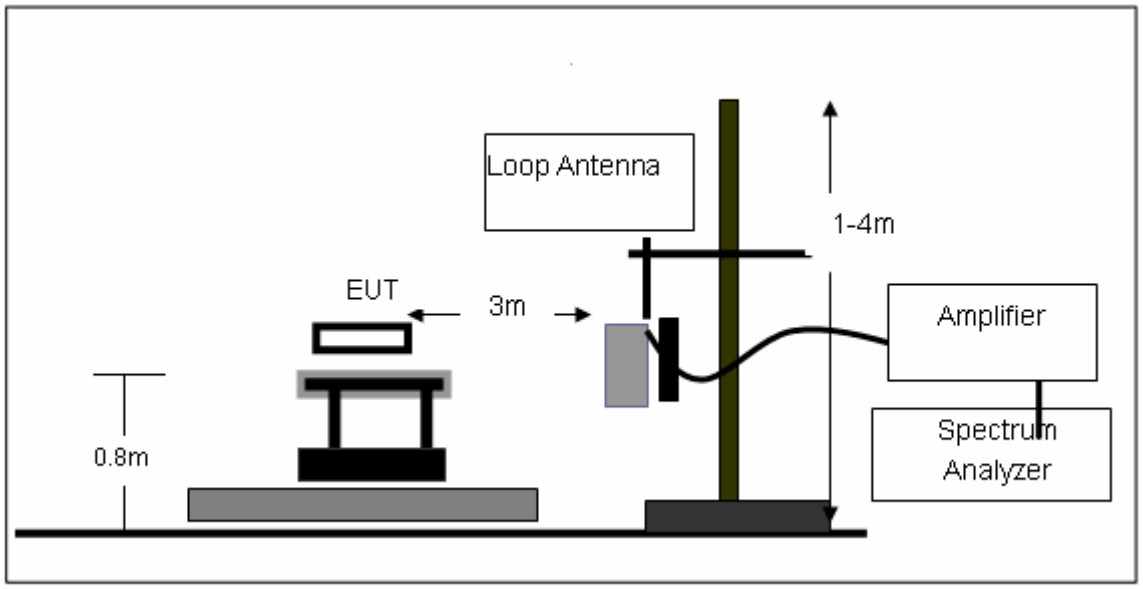
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

### 3.2.3 DEVIATION FROM TEST STANDARD

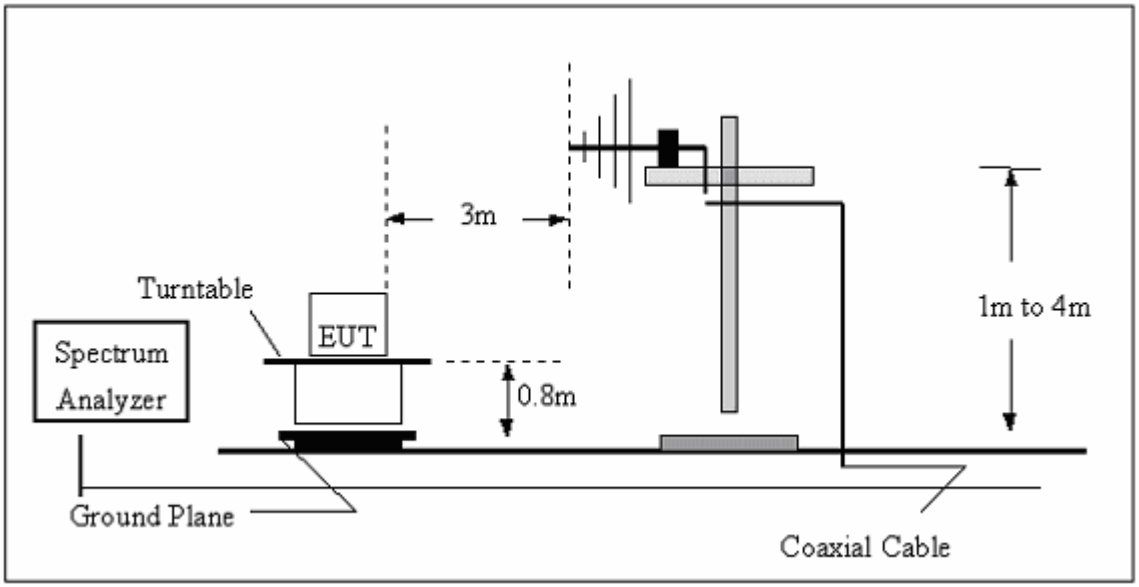
No deviation

### 3.2.4 TEST SETUP

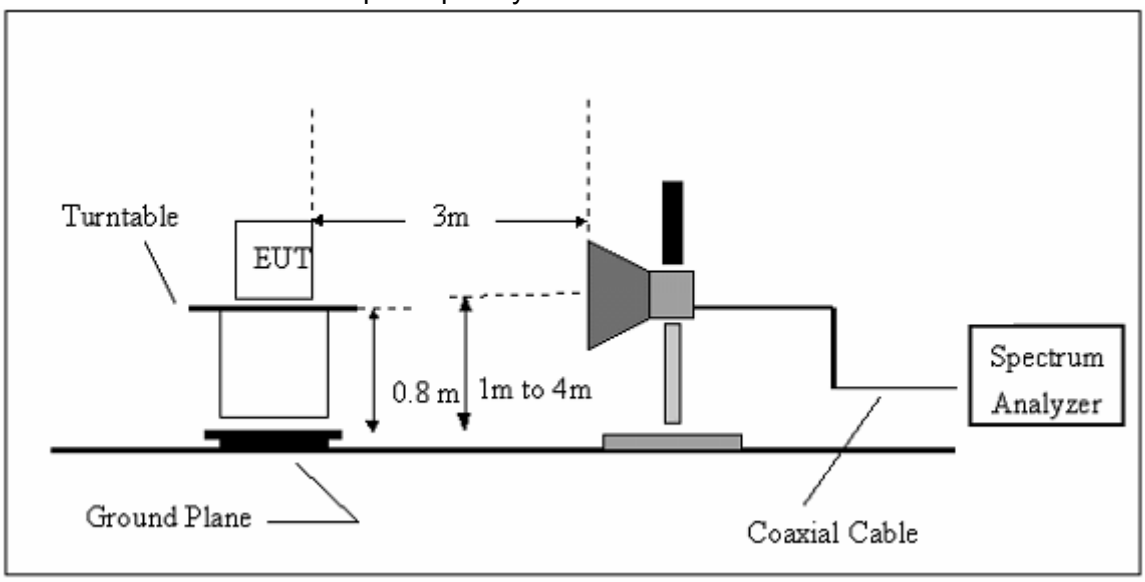
（A）Radiated Emission Test-Up Frequency Below 30MHz




（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



（C）Radiated Emission Test-Up Frequency Above 1GHz




### 3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

### 3.2.6 TEST RESULTS (BELOW 30 MHZ)

| | | | |
|---|---|---|---|
| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Polarization : | --- |
| Test Voltage ： | DC 3.7V | | |
| Test Mode ： | Mode 1 | | |

| Freq. | Reading | Limit | Margin | State |
|---|---|---|---|---|
| (MHz) | (dBuV/m) | (dBuV/m) | (dB) | P/F |
| -- | -- | -- | -- | PASS |
| -- | -- | -- | -- | PASS |

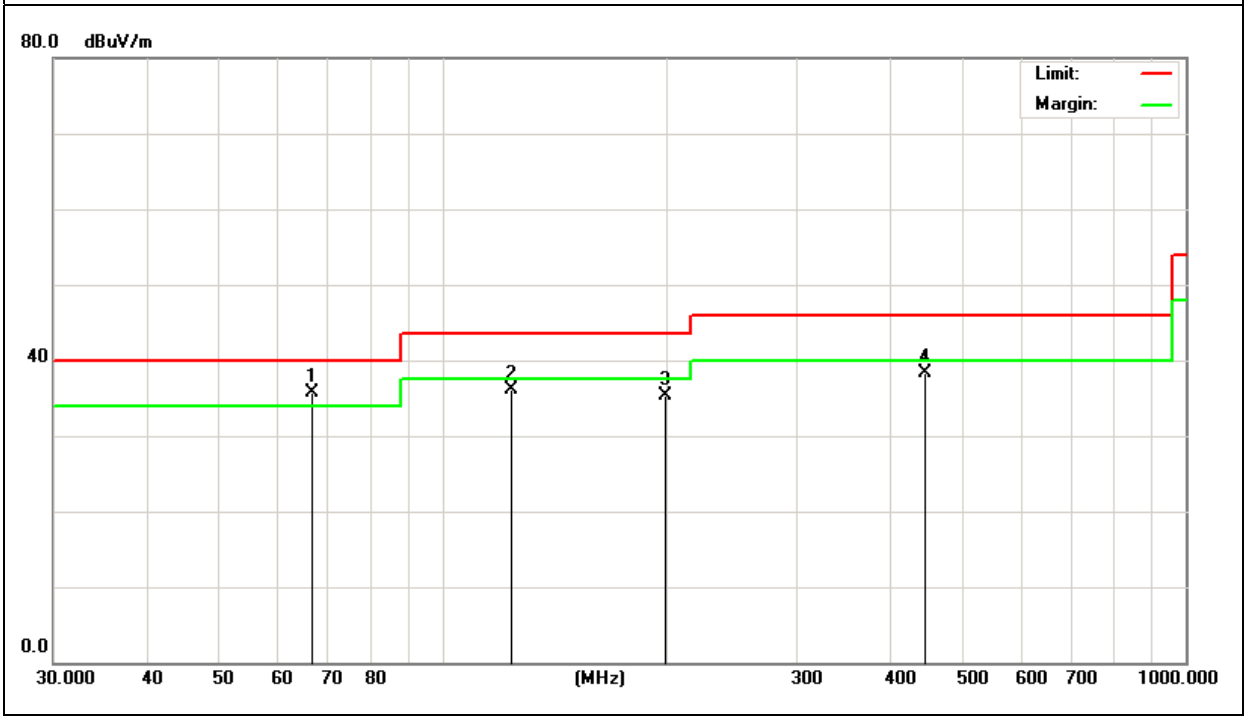
**NOTE:**
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =40 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

### 3.2.7 TEST RESULTS (BETWEEN 30M – 1000 MHZ)

| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Polarization： | Horizontal |
| Test Voltage ： | DC 3.7V | | |
| Test Mode ： | Mode 1 | | |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 66.87 | 30.21 | 5.51 | 35.72 | 40 | -4.28 | QP |
| 123.57 | 24.16 | 11.86 | 36.02 | 43.5 | -7.48 | QP |
| 198.74 | 26.66 | 8.7 | 35.36 | 43.5 | -8.14 | QP |
| 445.23 | 20.18 | 18.09 | 38.27 | 46 | -7.73 | QP |
| | | | | | | |
| | | | | | | |

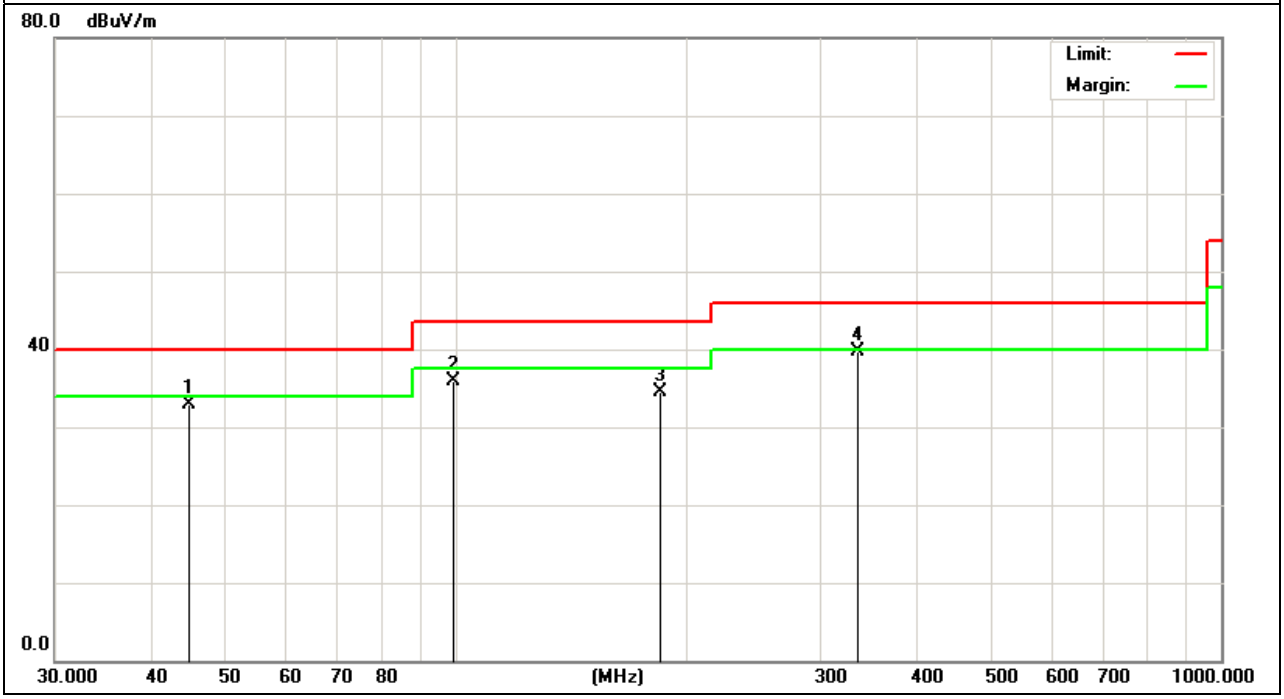
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Polarization： | Vertical |
| Test Voltage ： | DC 3.7V | | |
| Test Mode ： | Mode 1 | | |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 44.88 | 22.21 | 10.68 | 32.89 | 40 | -7.11 | QP |
| 99.33 | 25.44 | 10.53 | 35.97 | 43.5 | -7.53 | QP |
| 184.74 | 25.16 | 9.38 | 34.54 | 43.5 | -8.96 | QP |
| 335.14 | 24.65 | 15.03 | 39.68 | 46 | -6.32 | QP |
| | | | | | | |
| | | | | | | |

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

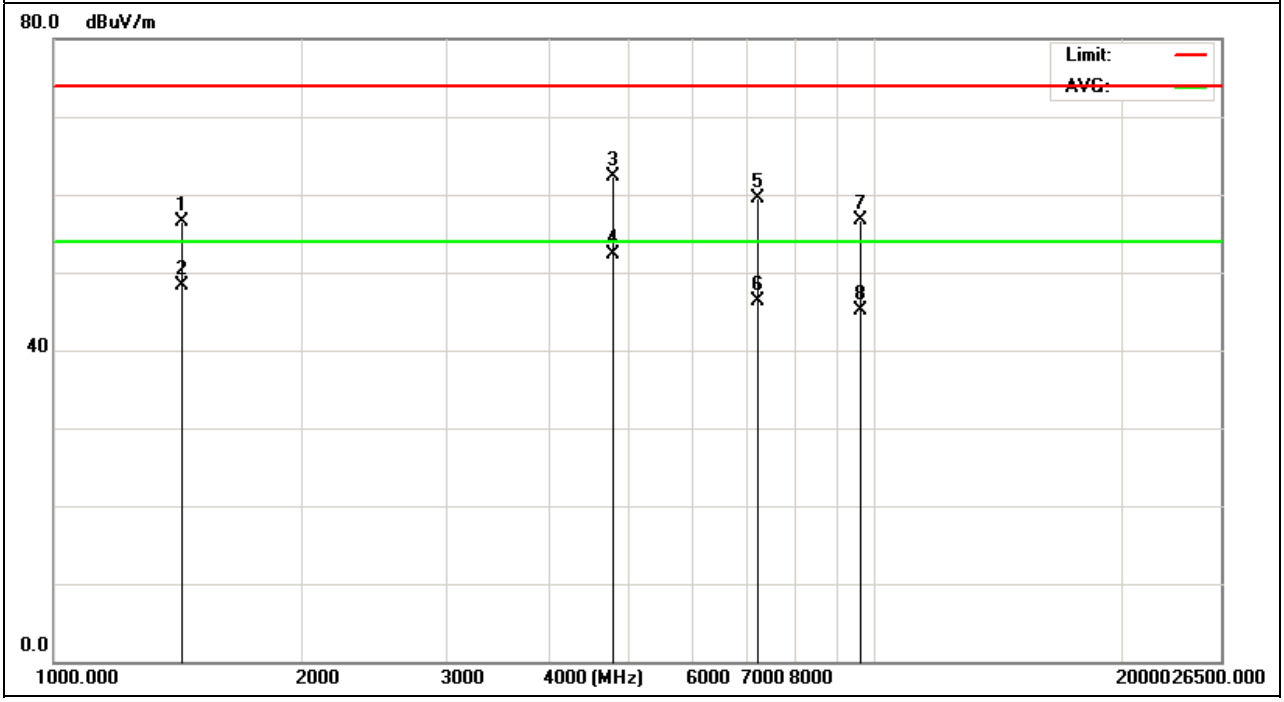


### 3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2402MHz – CH 00(1Mbps) | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 1431.21 | 31.12 | 25.44 | 56.56 | 74 | -17.44 | peak |
| 1431.21 | 22.78 | 25.44 | 48.22 | 54 | -5.78 | AVG |
| 4804.14 | 26.77 | 35.6 | 62.37 | 74 | -11.63 | peak |
| 4804.14 | 16.78 | 35.6 | 52.38 | 54 | -1.62 | AVG |
| 7206.51 | 23.22 | 36.26 | 59.48 | 74 | -14.52 | peak |
| 7206.51 | 9.98 | 36.26 | 46.24 | 54 | -7.76 | AVG |
| 9608.53 | 18.69 | 37.94 | 56.63 | 74 | -17.37 | peak |
| 9608.53 | 7.12 | 37.94 | 45.06 | 54 | -8.94 | AVG |

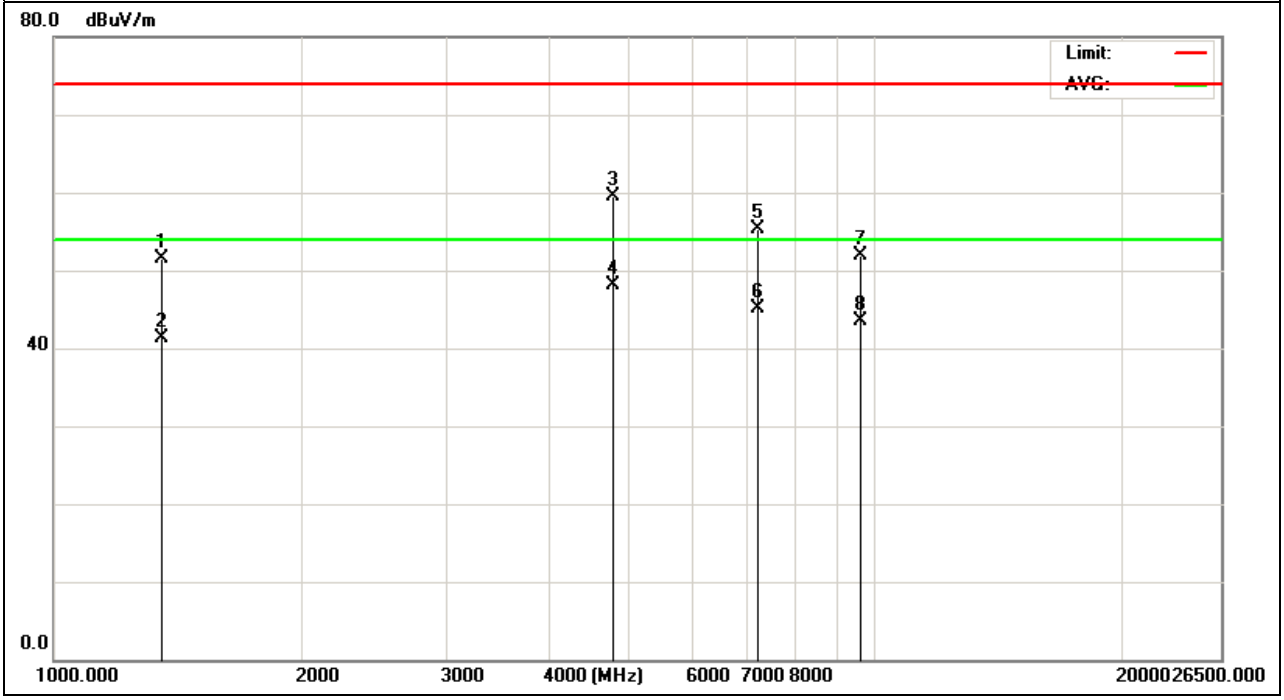
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2402MHz – CH 00(1Mbps) | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 1354.12 | 26.08 | 25.5 | 51.58 | 74 | -22.42 | peak |
| 1354.12 | 15.8 | 25.5 | 41.3 | 54 | -12.7 | AVG |
| 4804.28 | 23.88 | 35.6 | 59.48 | 74 | -14.52 | peak |
| 4804.28 | 12.54 | 35.6 | 48.14 | 54 | -5.86 | AVG |
| 7206.554 | 19.12 | 36.26 | 55.38 | 74 | -18.62 | peak |
| 7206.554 | 8.87 | 36.26 | 45.13 | 54 | -8.87 | AVG |
| 9608.15 | 13.87 | 37.95 | 51.82 | 74 | -22.18 | peak |
| 9608.15 | 5.54 | 37.95 | 43.49 | 54 | -10.51 | AVG |

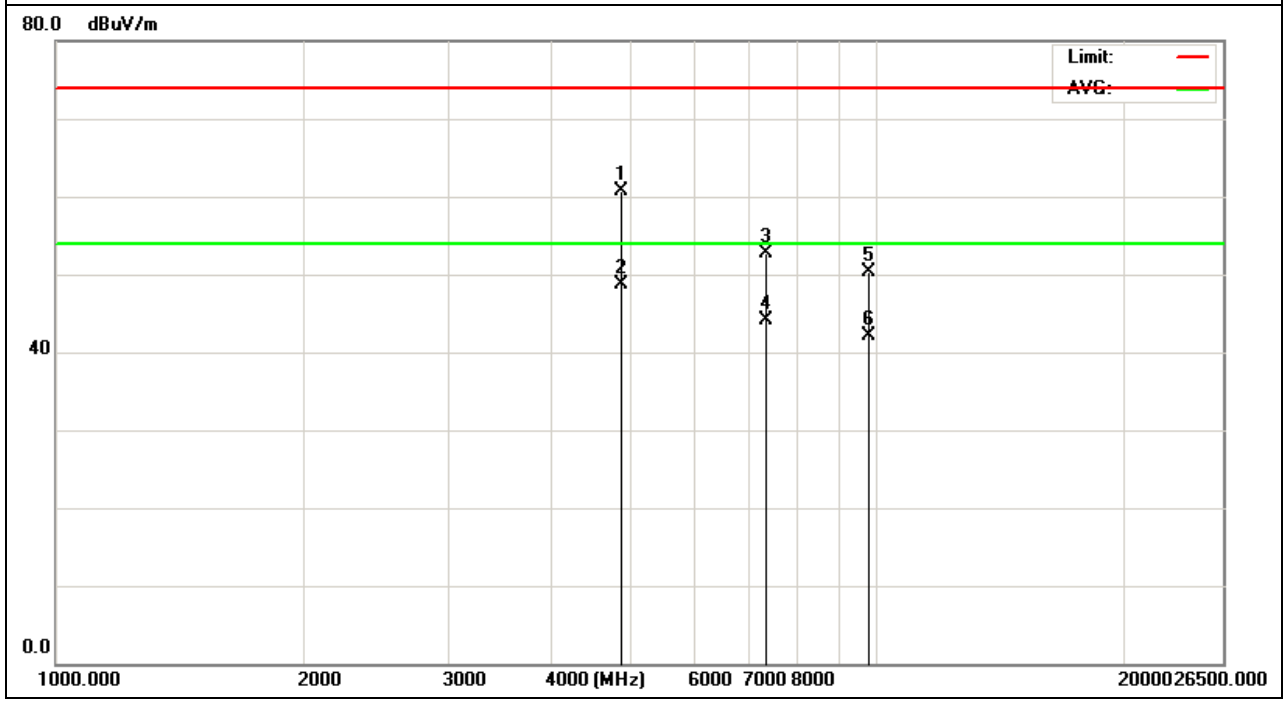
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2441MHz – CH 39(1Mbps) | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 4882.157 | 25.25 | 35.46 | 60.71 | 74 | -13.29 | peak |
| 4882.157 | 13.17 | 35.46 | 48.63 | 54 | -5.37 | AVG |
| 7322.87 | 16.18 | 36.51 | 52.69 | 74 | -21.31 | peak |
| 7322.87 | 7.66 | 36.51 | 44.17 | 54 | -9.83 | AVG |
| 9764.8 | 13.21 | 37.02 | 50.23 | 74 | -23.77 | peak |
| 9764.8 | 5 | 37.02 | 42.02 | 54 | -11.98 | AVG |

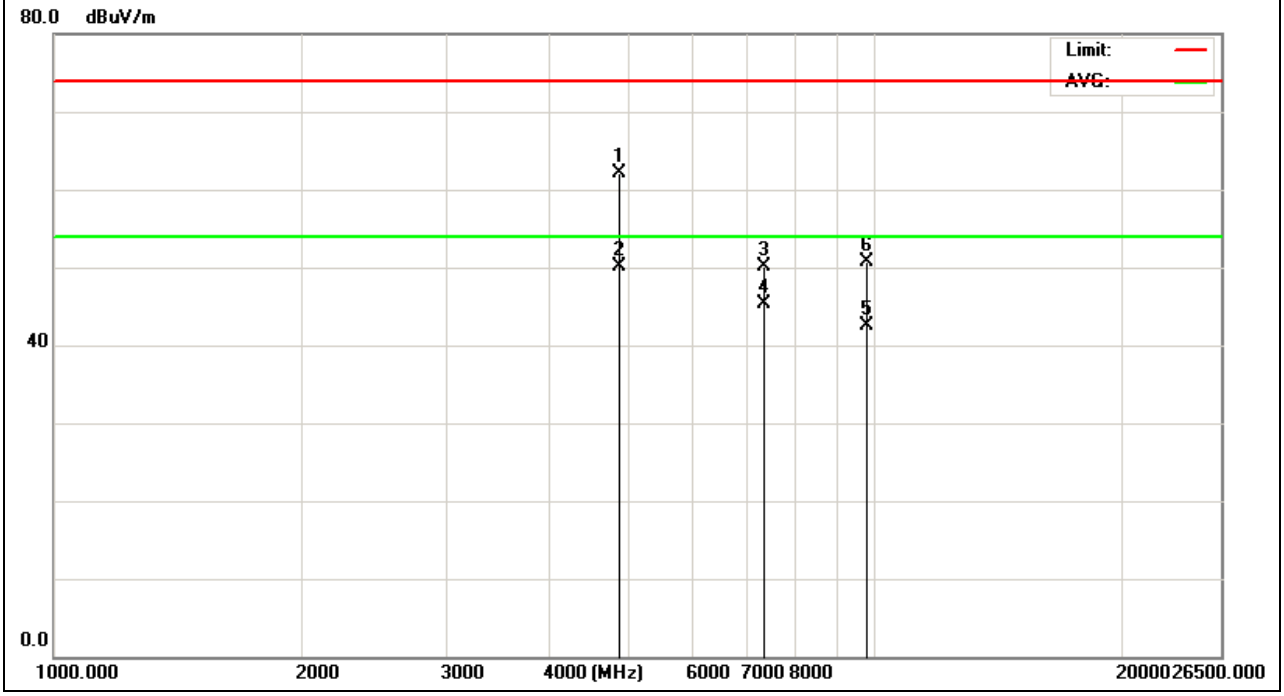
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2441MHz – CH 39(1Mbps) | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 4882.32 | 26.57 | 35.46 | 62.03 | 74 | -11.97 | peak |
| 4882.32 | 14.74 | 35.46 | 50.2 | 54 | -3.8 | AVG |
| 7323.111 | 13.54 | 36.51 | 50.05 | 74 | -23.95 | peak |
| 7323.111 | 8.85 | 36.51 | 45.36 | 54 | -8.64 | AVG |
| 9764.3 | 5.47 | 37.01 | 42.48 | 54 | -11.52 | AVG |
| 9764.35 | 13.74 | 37.01 | 50.75 | 74 | -23.25 | peak |

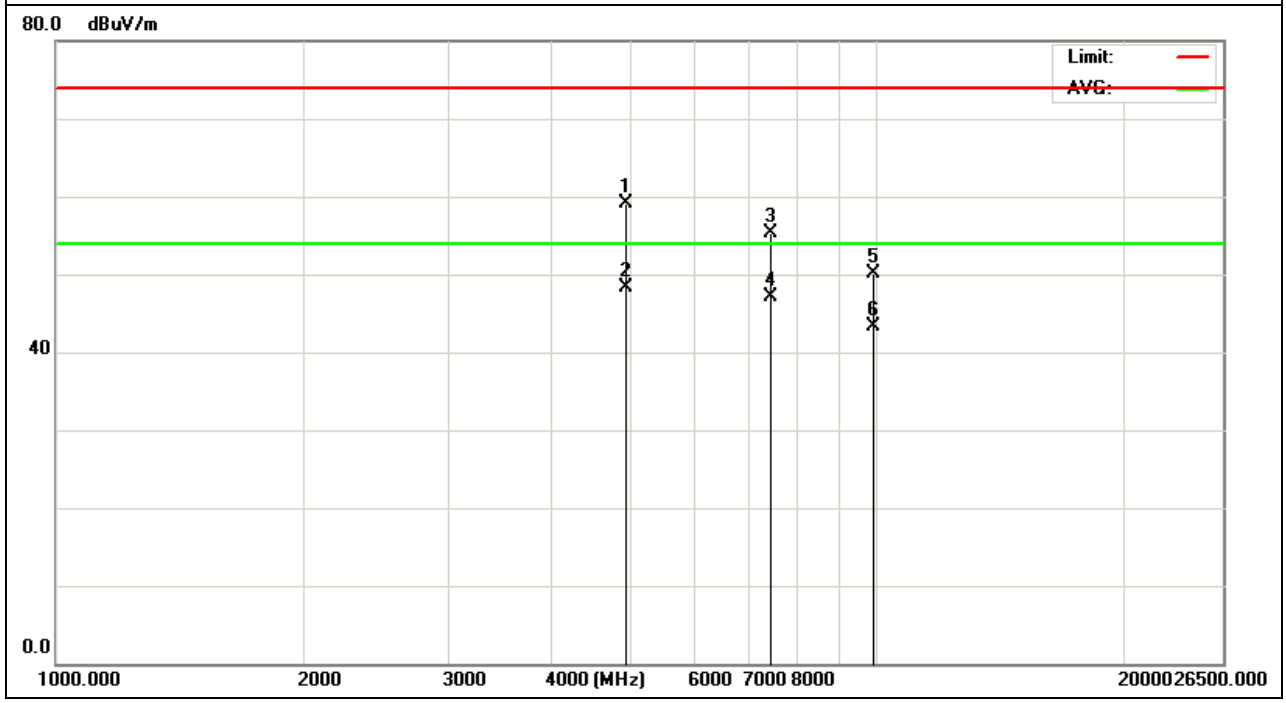
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2480MHz – CH 78(1Mbps) | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 4954.88 | 23.54 | 35.48 | 59.02 | 74 | -14.98 | peak |
| 4954.88 | 12.74 | 35.48 | 48.22 | 54 | -5.78 | AVG |
| 7431.62 | 18.65 | 36.66 | 55.31 | 74 | -18.69 | peak |
| 7431.62 | 10.35 | 36.66 | 47.01 | 54 | -6.99 | AVG |
| 9908.72 | 12.66 | 37.53 | 50.19 | 74 | -23.81 | peak |
| 9908.72 | 5.74 | 37.53 | 43.27 | 54 | -10.73 | AVG |

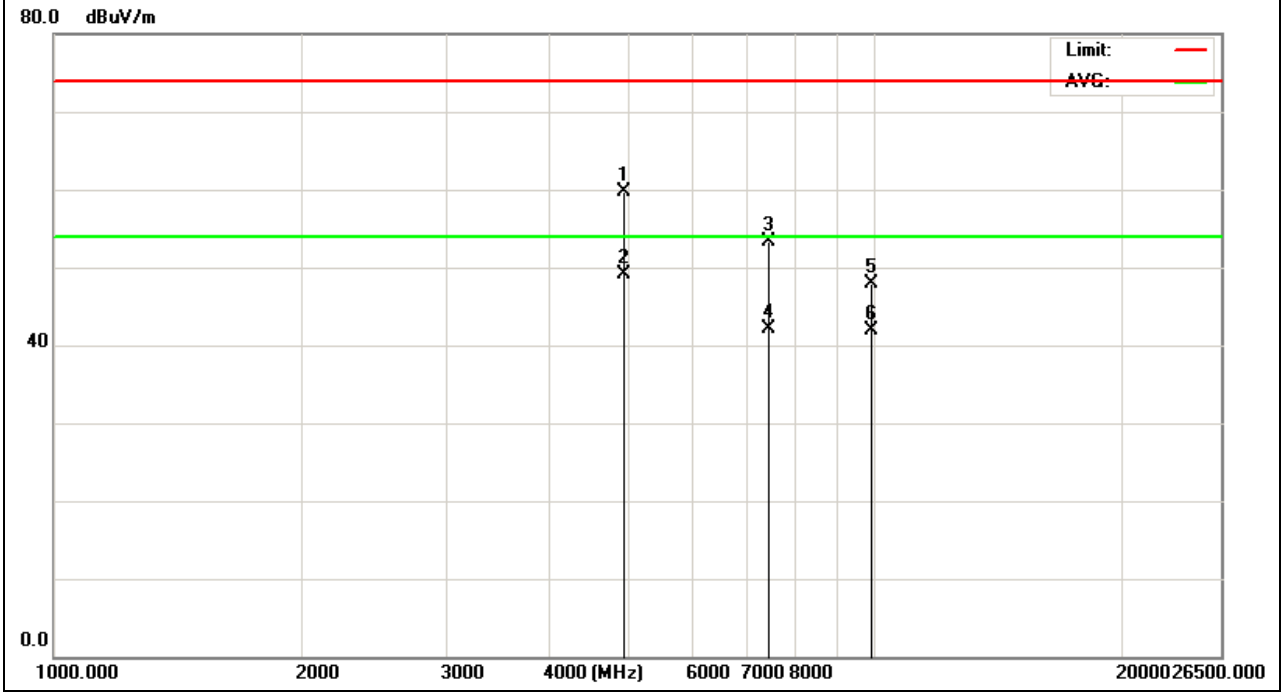
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2480MHz – CH 78(1Mbps) | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 4956.88 | 24.32 | 35.47 | 59.79 | 74 | -14.21 | peak |
| 4956.88 | 13.54 | 35.47 | 49.01 | 54 | -4.99 | AVG |
| 7434.32 | 16.57 | 36.69 | 53.26 | 74 | -20.74 | peak |
| 7434.32 | 5.33 | 36.69 | 42.02 | 54 | -11.98 | AVG |
| 9920.64 | 10.25 | 37.74 | 47.99 | 74 | -26.01 | peak |
| 9920.64 | 4.22 | 37.74 | 41.96 | 54 | -12.04 | AVG |

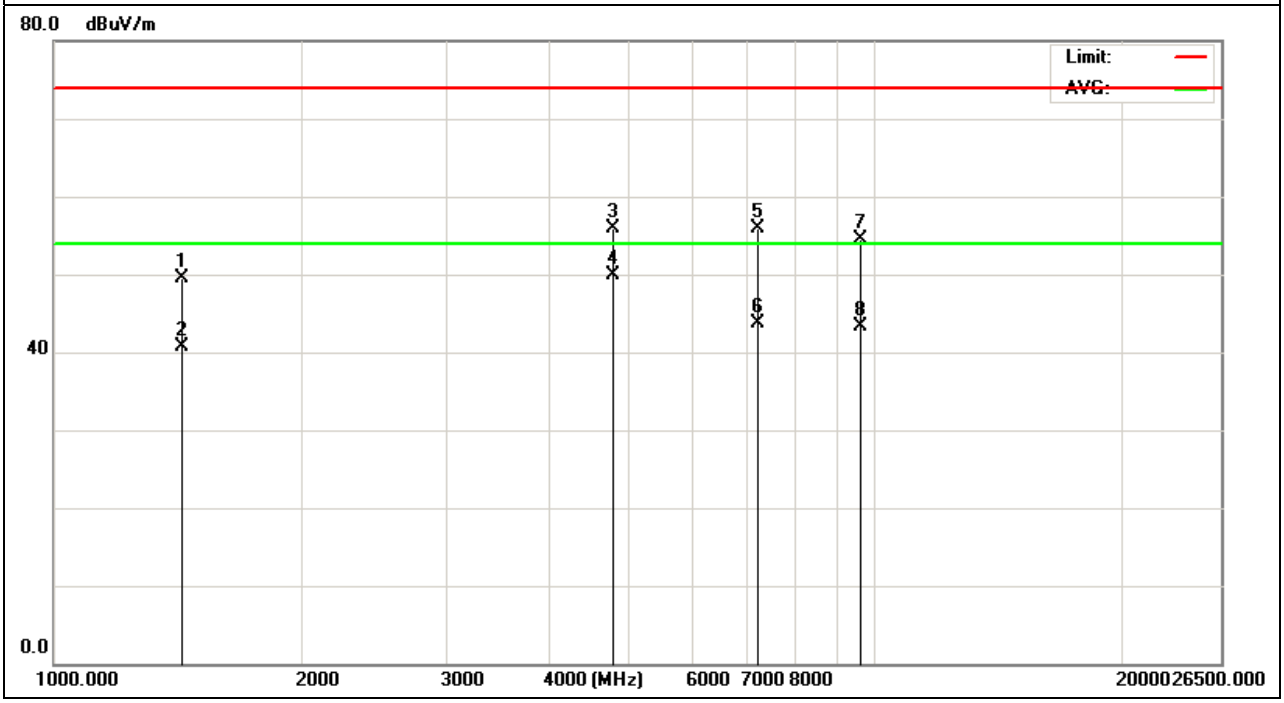
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2402MHz – CH 00(2Mbps) | Polarization : | Horizontal |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 1431.21 | 24.12 | 25.44 | 49.56 | 74 | -24.44 | peak |
| 1431.21 | 15.35 | 25.44 | 40.79 | 54 | -13.21 | AVG |
| 4804.14 | 20.32 | 35.6 | 55.92 | 74 | -18.08 | peak |
| 4804.14 | 14.22 | 35.6 | 49.82 | 54 | -4.18 | AVG |
| 7206.51 | 19.74 | 36.26 | 56 | 74 | -18 | peak |
| 7206.51 | 7.35 | 36.26 | 43.61 | 54 | -10.39 | AVG |
| 9608.53 | 16.54 | 37.94 | 54.48 | 74 | -19.52 | peak |
| 9608.53 | 5.36 | 37.94 | 43.3 | 54 | -10.7 | AVG |

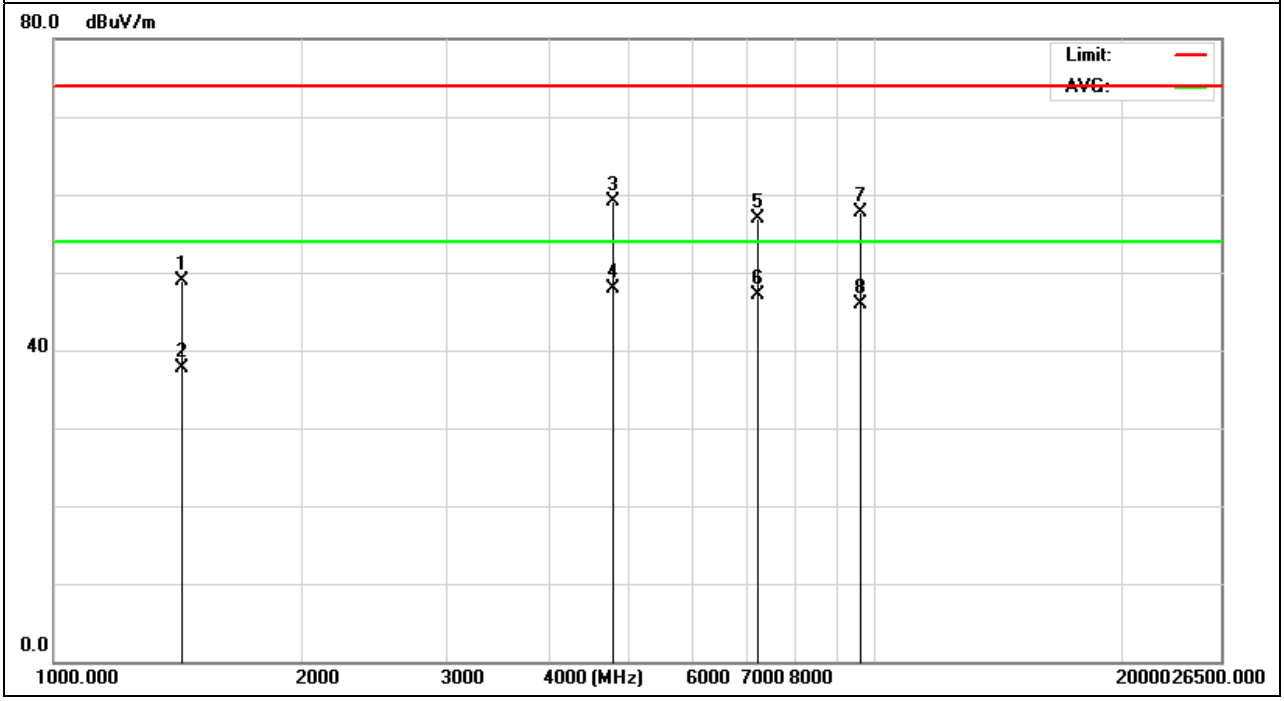
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2402MHz – CH 00(2Mbps) | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 1431.21 | 23.54 | 25.44 | 48.98 | 74 | -25.02 | peak |
| 1431.21 | 12.35 | 25.44 | 37.79 | 54 | -16.21 | AVG |
| 4804.14 | 23.57 | 35.6 | 59.17 | 74 | -14.83 | peak |
| 4804.14 | 12.27 | 35.6 | 47.87 | 54 | -6.13 | AVG |
| 7206.51 | 20.74 | 36.26 | 57 | 74 | -17 | peak |
| 7206.51 | 10.75 | 36.26 | 47.01 | 54 | -6.99 | AVG |
| 9608.53 | 19.78 | 37.94 | 57.72 | 74 | -16.28 | peak |
| 9608.53 | 7.88 | 37.94 | 45.82 | 54 | -8.18 | AVG |

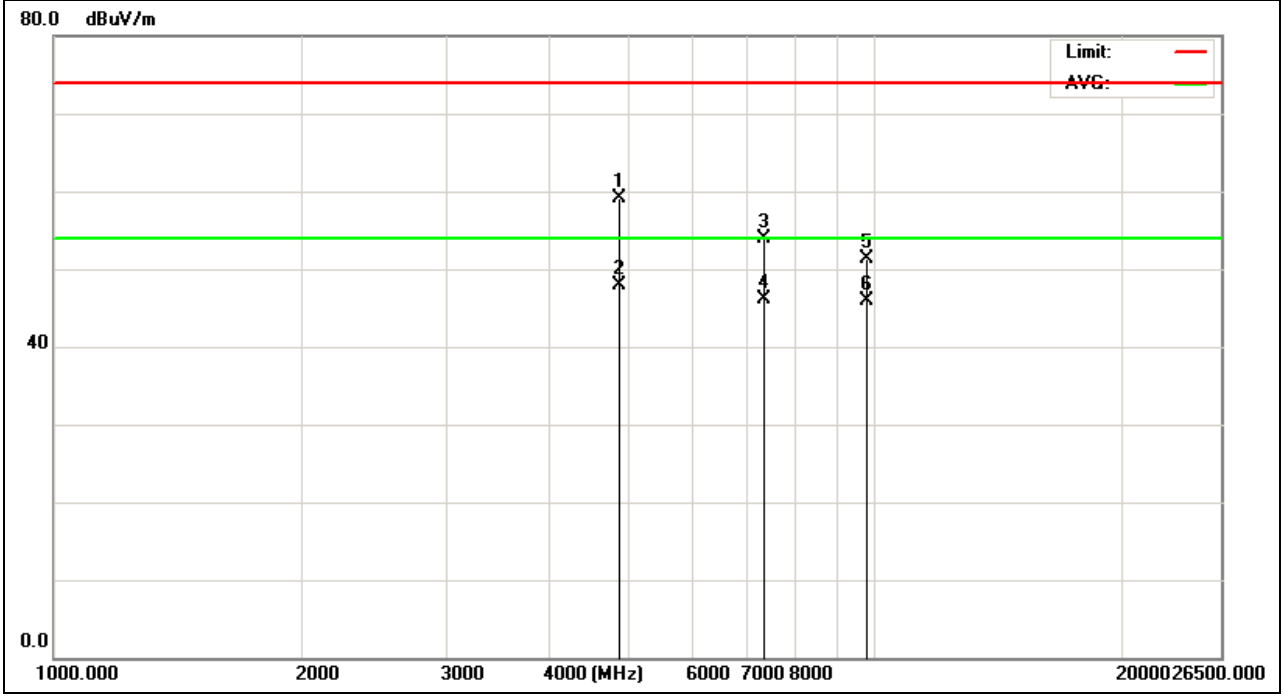
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2441MHz – CH 39(2Mbps) | Polarization： | Horizontal |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 4882.157 | 23.71 | 35.46 | 59.17 | 74 | -14.83 | peak |
| 4882.157 | 12.54 | 35.46 | 48 | 54 | -6 | AVG |
| 7322.87 | 17.35 | 36.51 | 53.86 | 74 | -20.14 | peak |
| 7322.87 | 9.65 | 36.51 | 46.16 | 54 | -7.84 | AVG |
| 9764.8 | 14.25 | 37.02 | 51.27 | 74 | -22.73 | peak |
| 9764.8 | 8.88 | 37.02 | 45.9 | 54 | -8.1 | AVG |

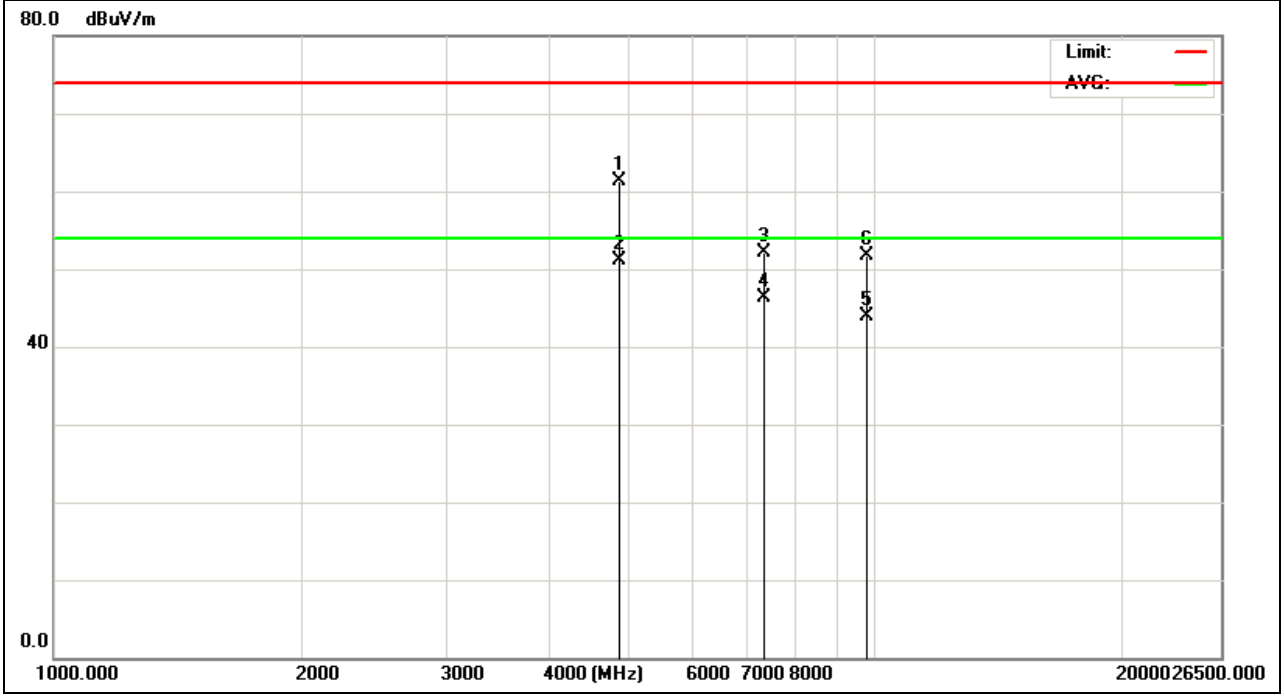
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2441MHz – CH 39(2Mbps) | Polarization： | Vertical |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 4882.32 | 25.78 | 35.46 | 61.24 | 74 | -12.76 | peak |
| 4882.32 | 15.74 | 35.46 | 51.2 | 54 | -2.8 | AVG |
| 7323.111 | 15.67 | 36.51 | 52.18 | 74 | -21.82 | peak |
| 7323.111 | 9.87 | 36.51 | 46.38 | 54 | -7.62 | AVG |
| 9764.3 | 6.88 | 37.01 | 43.89 | 54 | -10.11 | AVG |
| 9764.35 | 14.65 | 37.01 | 51.66 | 74 | -22.34 | peak |

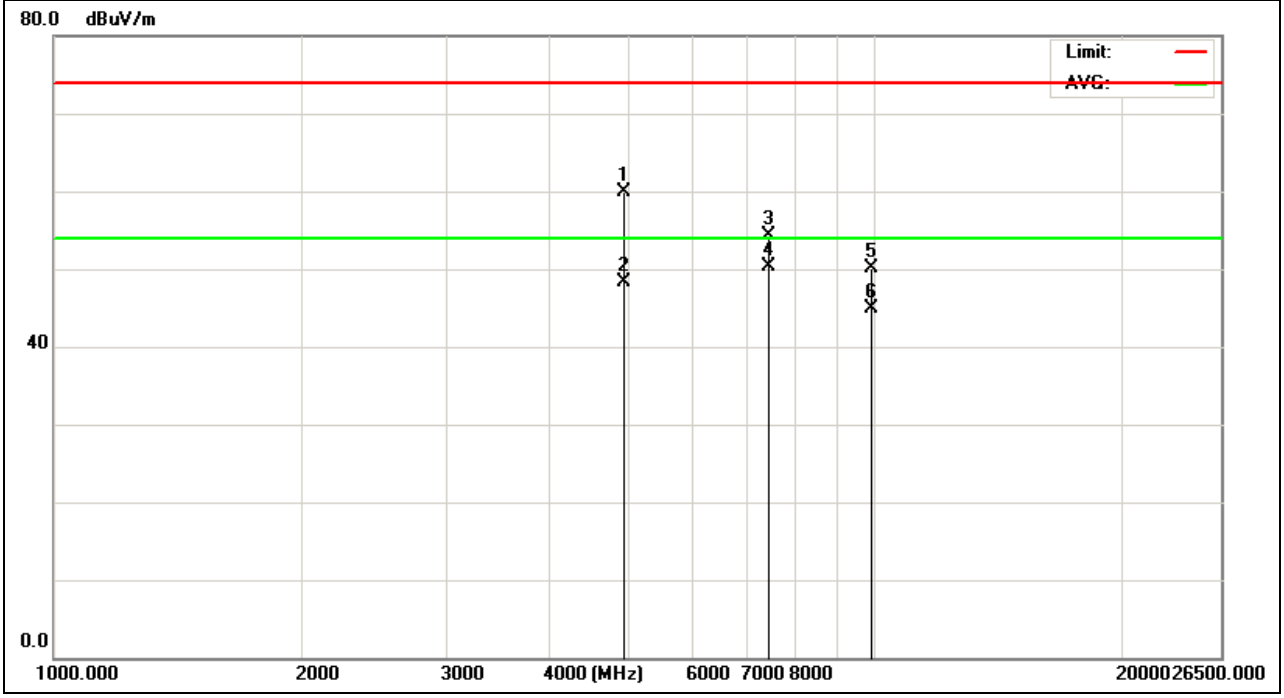
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2480MHz – CH 78(2Mbps) | Polarization： | Horizontal |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 4954.88 | 24.35 | 35.48 | 59.83 | 74 | -14.17 | peak |
| 4954.88 | 12.85 | 35.48 | 48.33 | 54 | -5.67 | AVG |
| 7431.62 | 17.68 | 36.66 | 54.34 | 74 | -19.66 | peak |
| 7431.62 | 13.66 | 36.66 | 50.32 | 54 | -3.68 | AVG |
| 9908.72 | 12.66 | 37.53 | 50.19 | 74 | -23.81 | peak |
| 9908.72 | 7.43 | 37.53 | 44.96 | 54 | -9.04 | AVG |

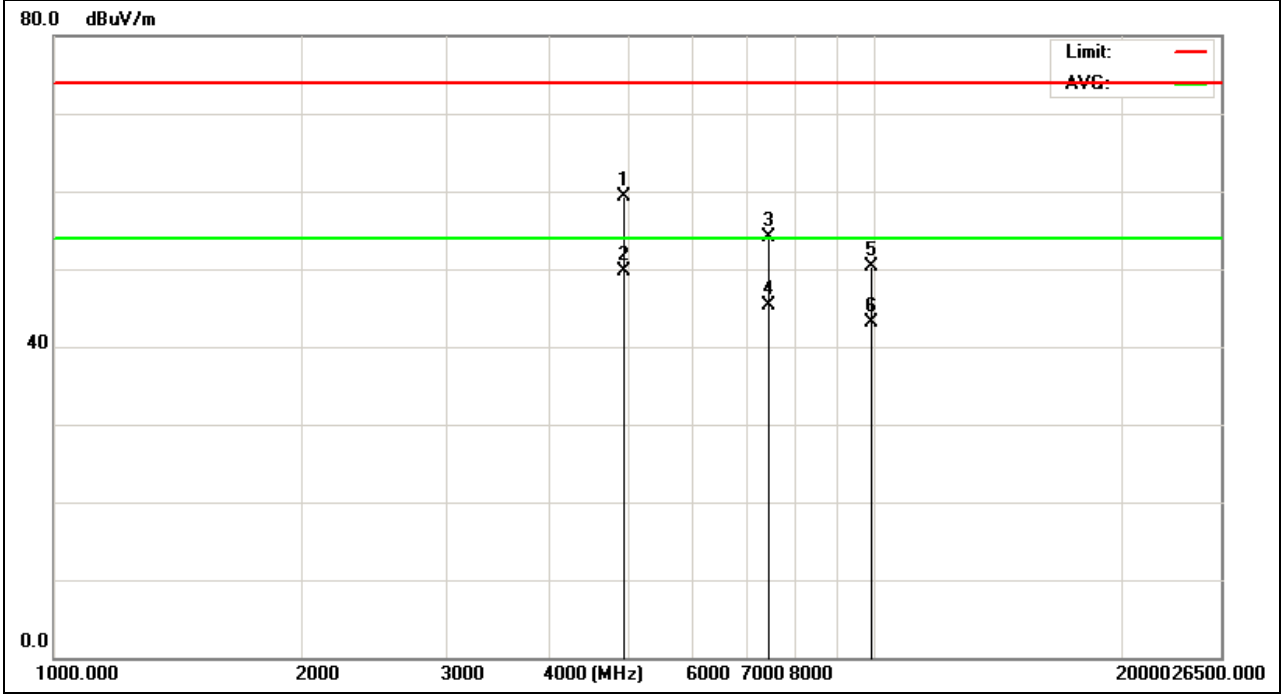
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2480MHz – CH 78(2Mbps) | Polarization： | Vertical |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 4956.81 | 23.74 | 35.47 | 59.21 | 74 | -14.79 | peak |
| 4956.81 | 14.29 | 35.47 | 49.76 | 54 | -4.24 | AVG |
| 7434.32 | 17.35 | 36.69 | 54.04 | 74 | -19.96 | peak |
| 7434.32 | 8.67 | 36.69 | 45.36 | 54 | -8.64 | AVG |
| 9920.64 | 12.64 | 37.74 | 50.38 | 74 | -23.62 | peak |
| 9920.64 | 5.32 | 37.74 | 43.06 | 54 | -10.94 | AVG |

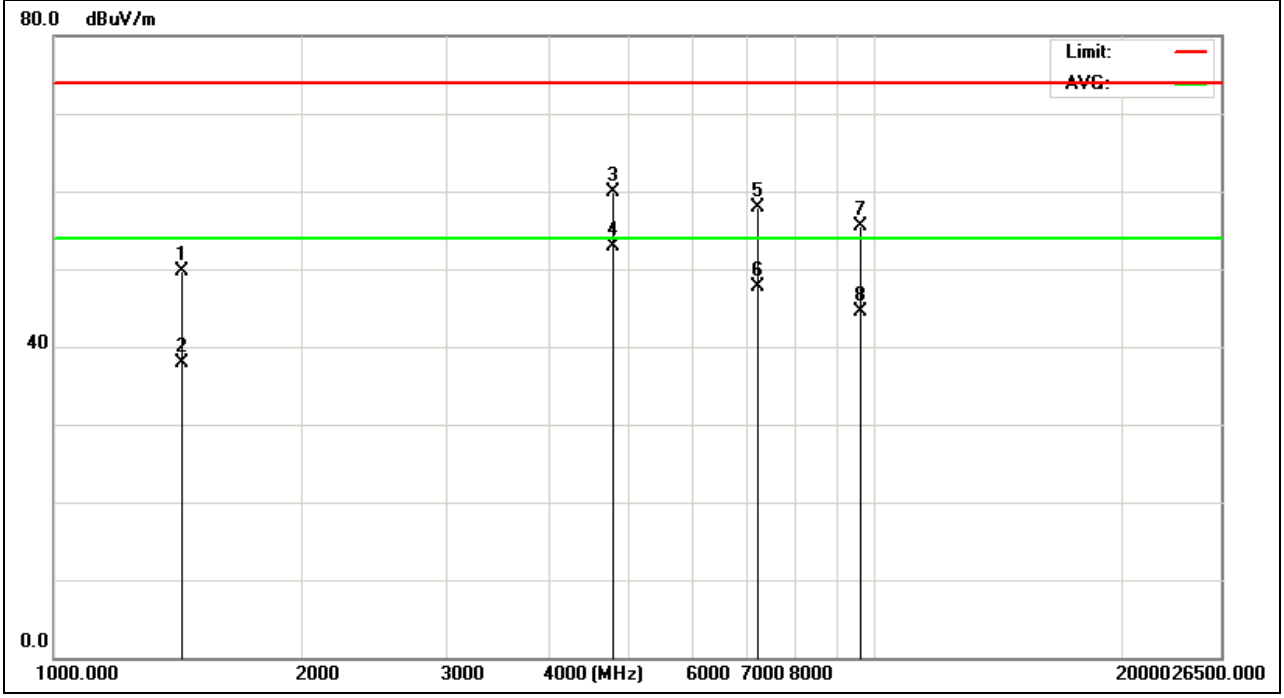
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2402MHz – CH00 (3Mbps) | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 1431.21 | 24.32 | 25.44 | 49.76 | 74 | -24.24 | peak |
| 1431.21 | 12.4 | 25.44 | 37.84 | 54 | -16.16 | AVG |
| 4804.14 | 24.37 | 35.6 | 59.97 | 74 | -14.03 | peak |
| 4804.14 | 17.35 | 35.6 | 52.95 | 54 | -1.05 | AVG |
| 7206.51 | 21.57 | 36.26 | 57.83 | 74 | -16.17 | peak |
| 7206.51 | 11.38 | 36.26 | 47.64 | 54 | -6.36 | AVG |

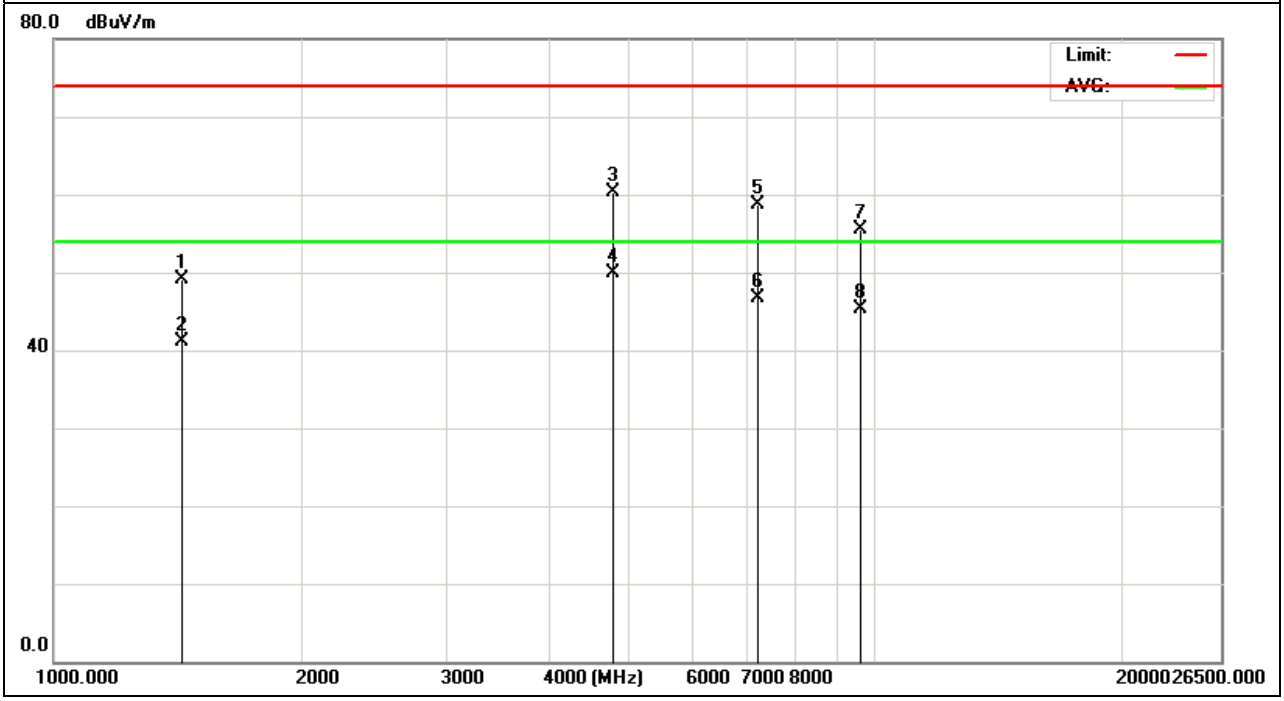
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2402MHz – CH00 (3Mbps) | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 1431.21 | 23.57 | 25.44 | 49.01 | 74 | -24.99 | peak |
| 1431.21 | 15.67 | 25.44 | 41.11 | 54 | -12.89 | AVG |
| 4804.14 | 24.78 | 35.6 | 60.38 | 74 | -13.62 | peak |
| 4804.14 | 14.36 | 35.6 | 49.96 | 54 | -4.04 | AVG |
| 7206.51 | 22.41 | 36.26 | 58.67 | 74 | -15.33 | peak |
| 7206.51 | 10.35 | 36.26 | 46.61 | 54 | -7.39 | AVG |
| 9608.53 | 17.64 | 37.94 | 55.58 | 74 | -18.42 | peak |
| 9608.53 | 7.35 | 37.94 | 45.29 | 54 | -8.71 | AVG |

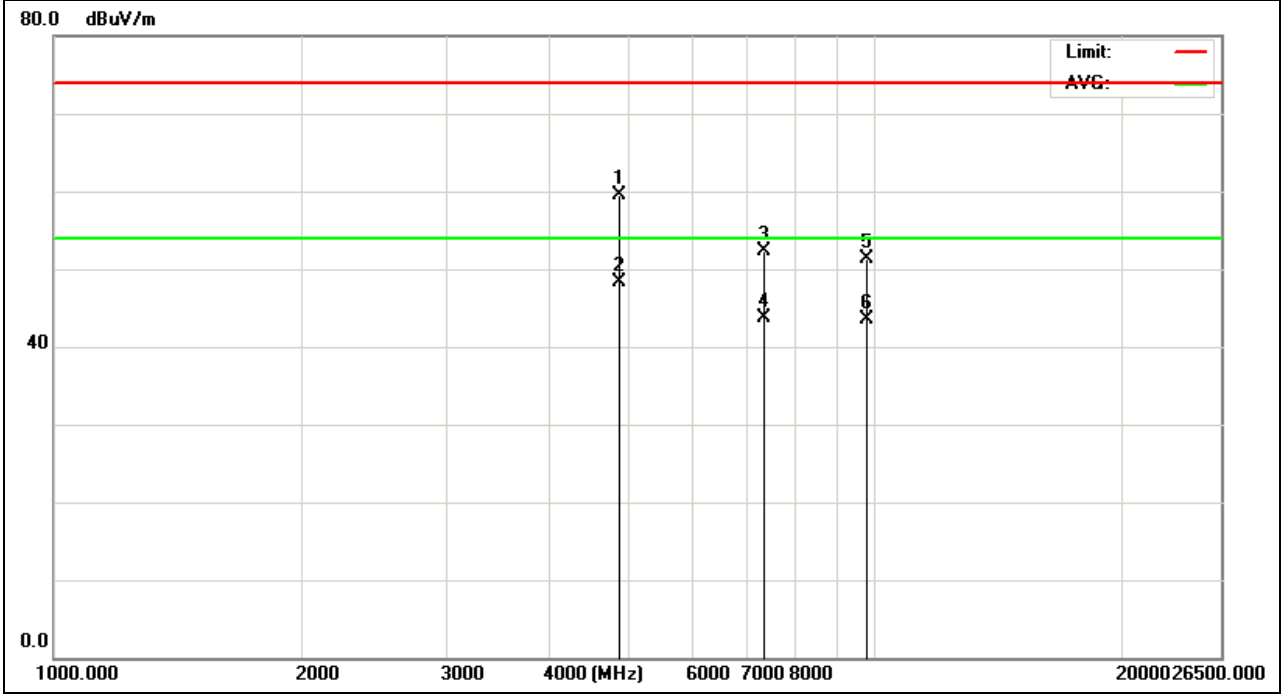
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2441MHz – CH39(3Mbps) | Polarization： | Horizontal |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 4882.157 | 24.12 | 35.46 | 59.58 | 74 | -14.42 | peak |
| 4882.157 | 12.87 | 35.46 | 48.33 | 54 | -5.67 | AVG |
| 7322.87 | 15.8 | 36.51 | 52.31 | 74 | -21.69 | peak |
| 7322.87 | 7.12 | 36.51 | 43.63 | 54 | -10.37 | AVG |
| 9764.8 | 14.25 | 37.02 | 51.27 | 74 | -22.73 | peak |
| 9764.8 | 6.55 | 37.02 | 43.57 | 54 | -10.43 | AVG |

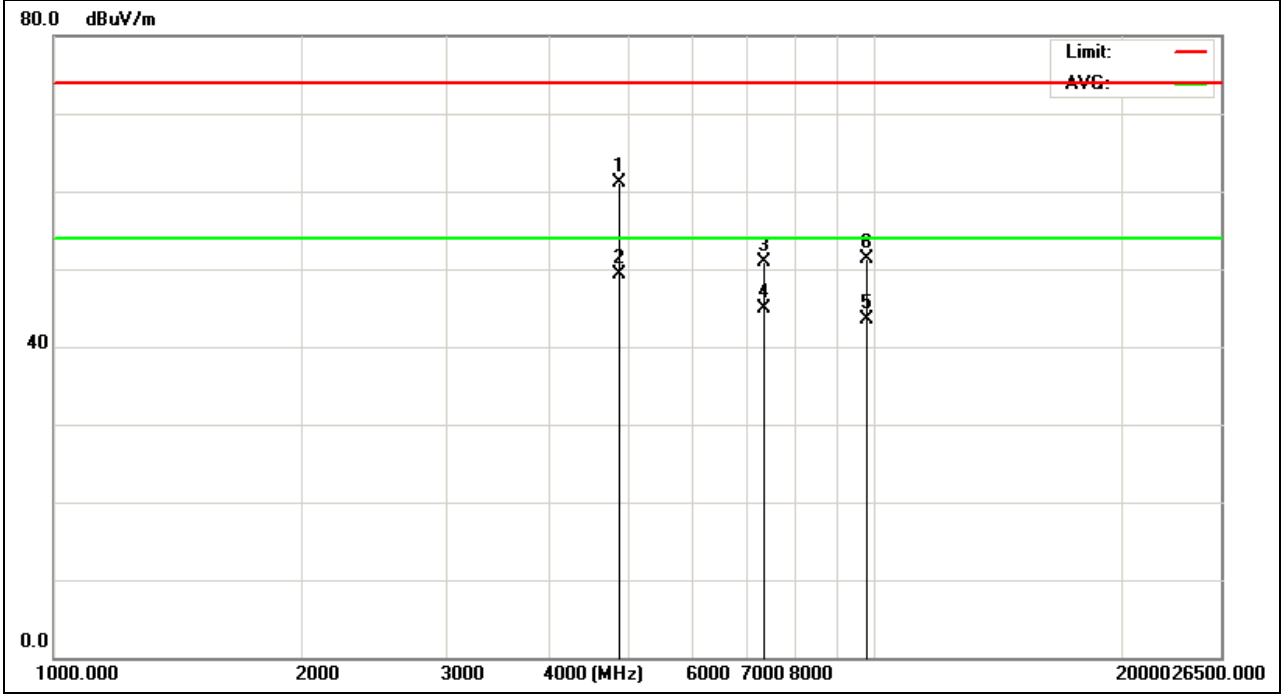
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2441MHz – CH39 (3Mbps) | Polarization： | Vertical |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 4882.32 | 25.74 | 35.46 | 61.2 | 74 | -12.8 | peak |
| 4882.32 | 13.76 | 35.46 | 49.22 | 54 | -4.78 | AVG |
| 7323.111 | 14.32 | 36.51 | 50.83 | 74 | -23.17 | peak |
| 7323.111 | 8.41 | 36.51 | 44.92 | 54 | -9.08 | AVG |
| 9764.3 | 6.47 | 37.01 | 43.48 | 54 | -10.52 | AVG |
| 9764.35 | 14.25 | 37.01 | 51.26 | 74 | -22.74 | peak |

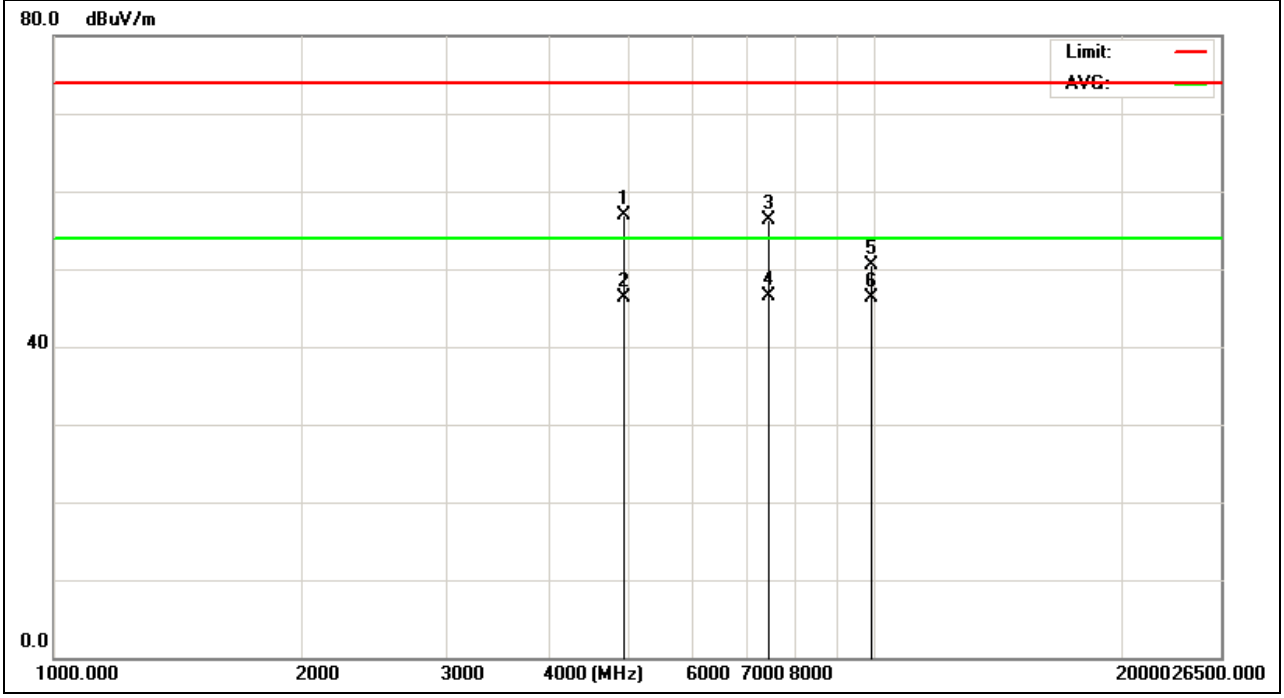
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2480MHz – CH78 (3Mbps) | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 4954.88 | 21.35 | 35.48 | 56.83 | 74 | -17.17 | peak |
| 4954.88 | 10.74 | 35.48 | 46.22 | 54 | -7.78 | AVG |
| 7431.62 | 19.74 | 36.66 | 56.4 | 74 | -17.6 | peak |
| 7431.62 | 9.88 | 36.66 | 46.54 | 54 | -7.46 | AVG |
| 9908.72 | 13.02 | 37.53 | 50.55 | 74 | -23.45 | peak |
| 9908.72 | 8.74 | 37.53 | 46.27 | 54 | -7.73 | AVG |

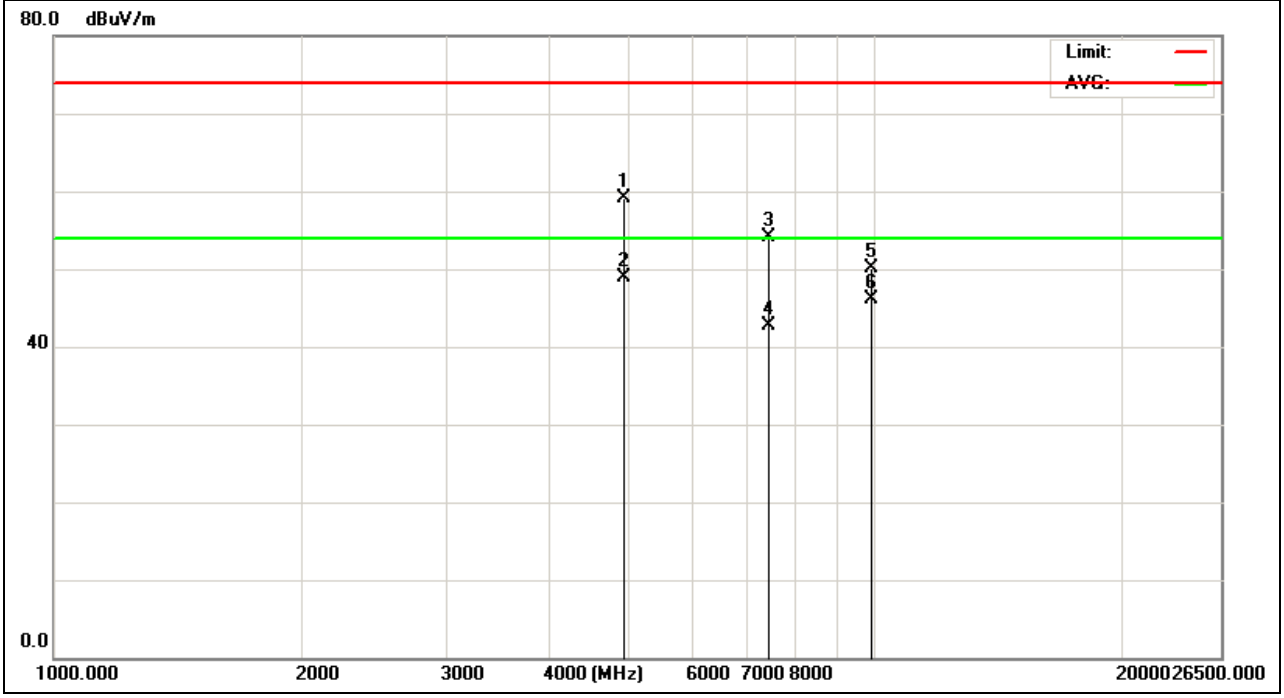
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX 2480MHz – CH78 (3Mbps) | Polarization： | Vertical |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 4956.88 | 23.57 | 35.47 | 59.04 | 74 | -14.96 | peak |
| 4956.88 | 13.47 | 35.47 | 48.94 | 54 | -5.06 | AVG |
| 7434.32 | 17.35 | 36.69 | 54.04 | 74 | -19.96 | peak |
| 7434.32 | 6.11 | 36.69 | 42.8 | 54 | -11.2 | AVG |
| 9920.64 | 12.45 | 37.74 | 50.19 | 74 | -23.81 | peak |
| 9920.64 | 8.33 | 37.74 | 46.07 | 54 | -7.93 | AVG |

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz

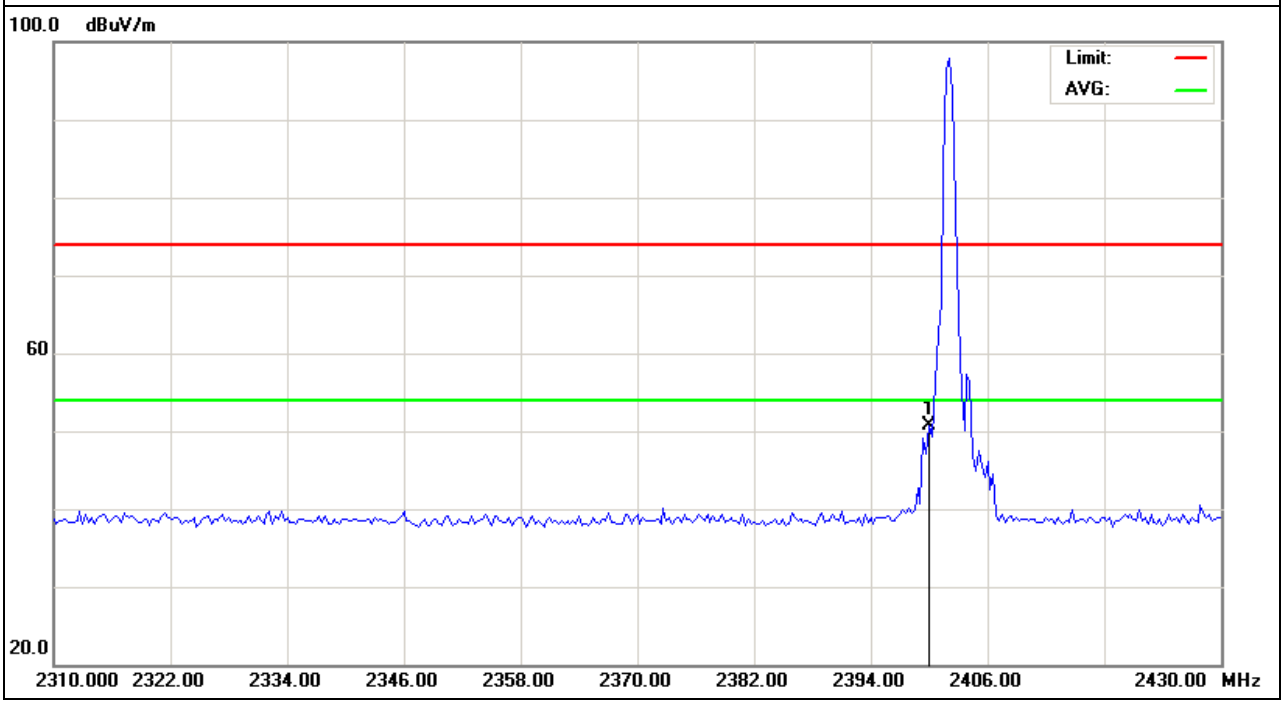


### 3.2.9 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

| | | | |
|---|---|---|---|
| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2402MHz-1Mbps | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2400 | 63.14 | -12.99 | 50.15 | 74 | -23.85 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

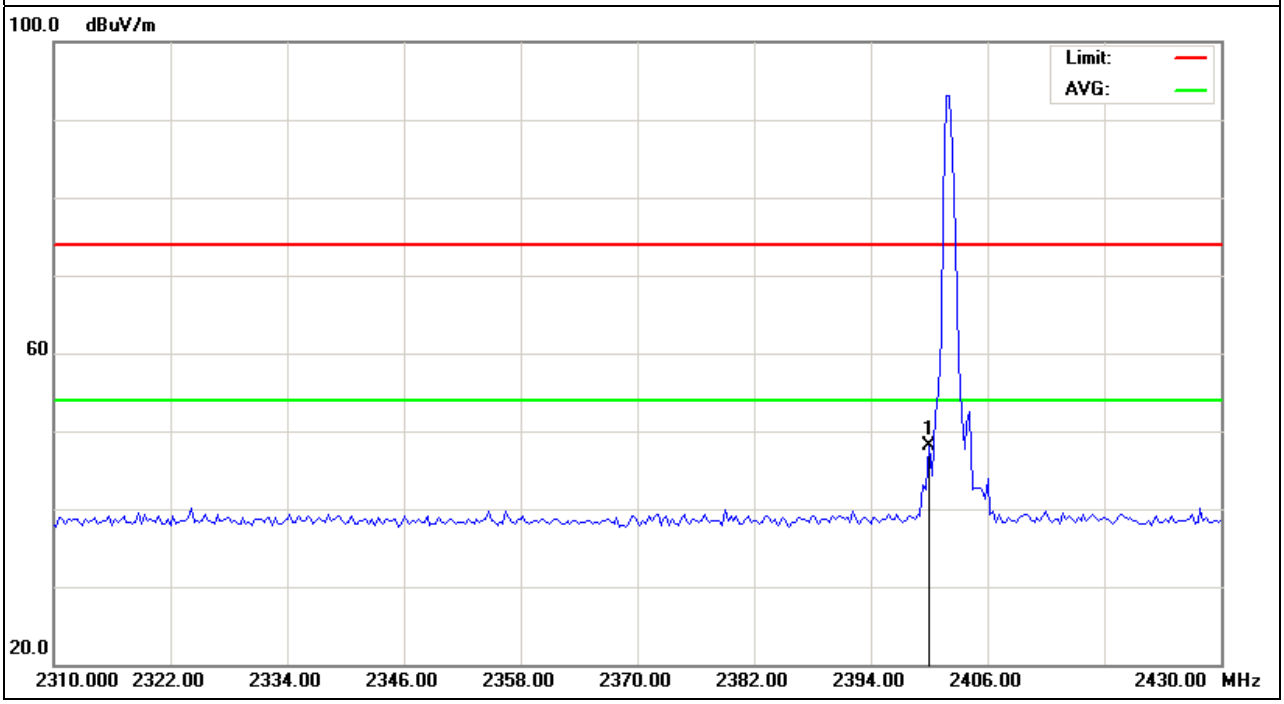
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2402MHz-1Mbps | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2400 | 62.32 | -12.99 | 49.33 | 74 | -24.67 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

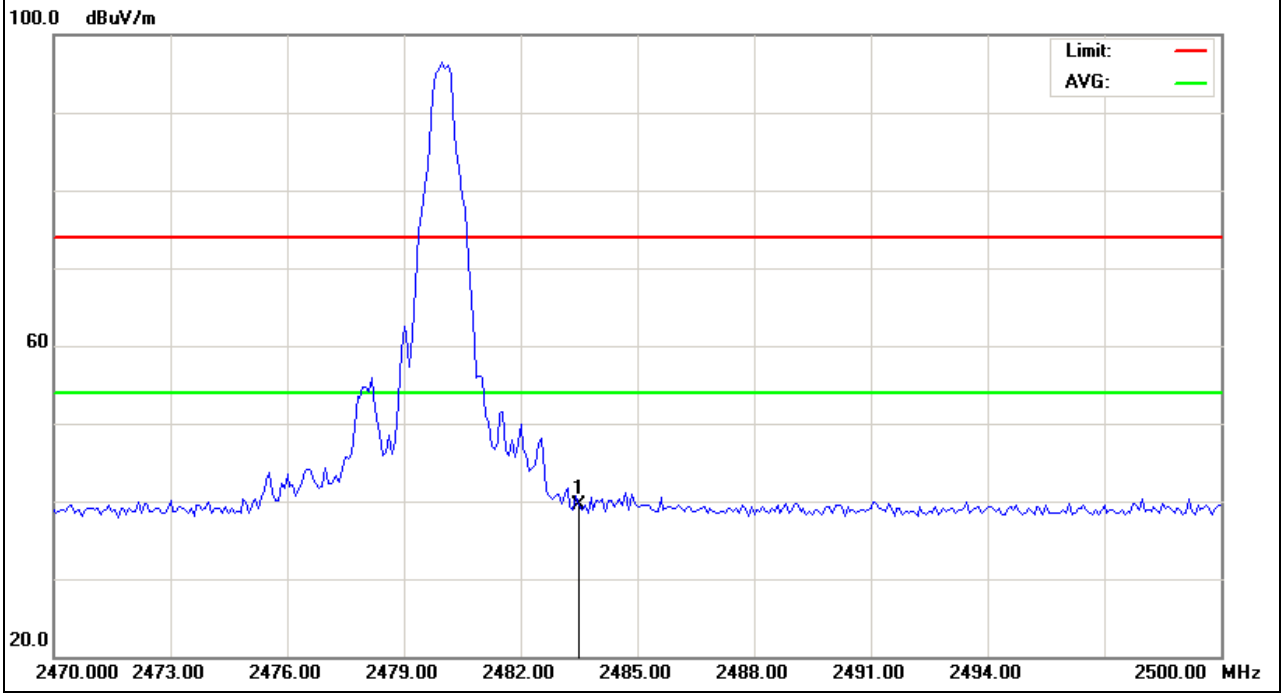
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2480MHz-1Mbps | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2483.5 | 53.12 | -12.78 | 40.34 | 74 | -33.66 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

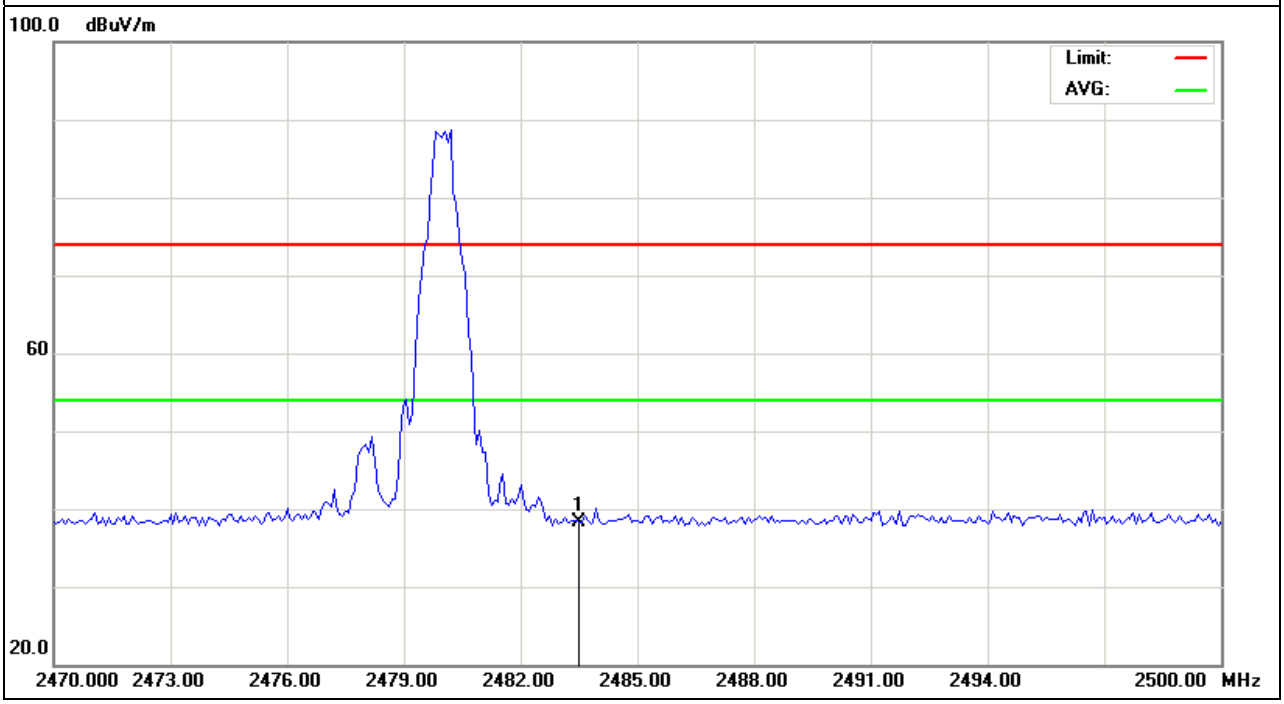
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2480MHz-1Mbps | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2483.5 | 50.87 | -12.78 | 38.09 | 74 | -35.91 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

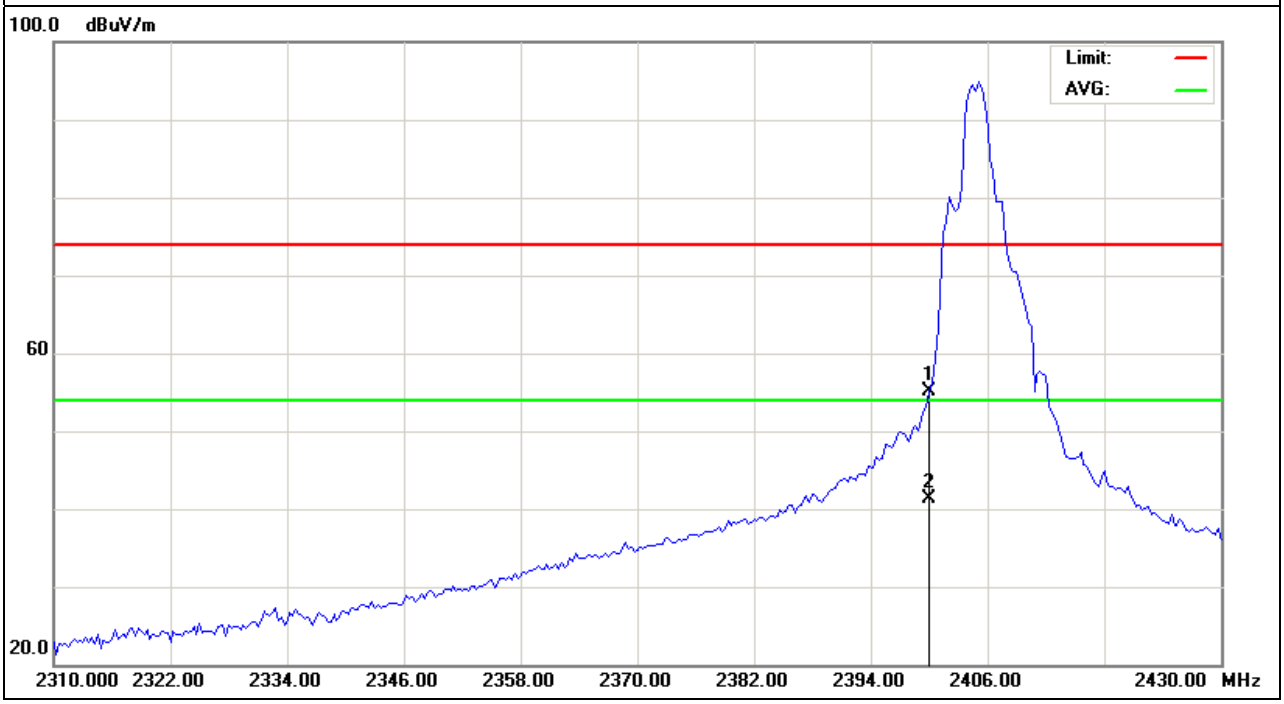
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2402MHz-2Mbps | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2400 | 68.43 | -12.99 | 55.44 | 74 | -18.56 | peak |
| 2400 | 54.19 | -12.99 | 41.2 | 74 | -32.8 | AVG |
| | | | | | | |
| | | | | | | |

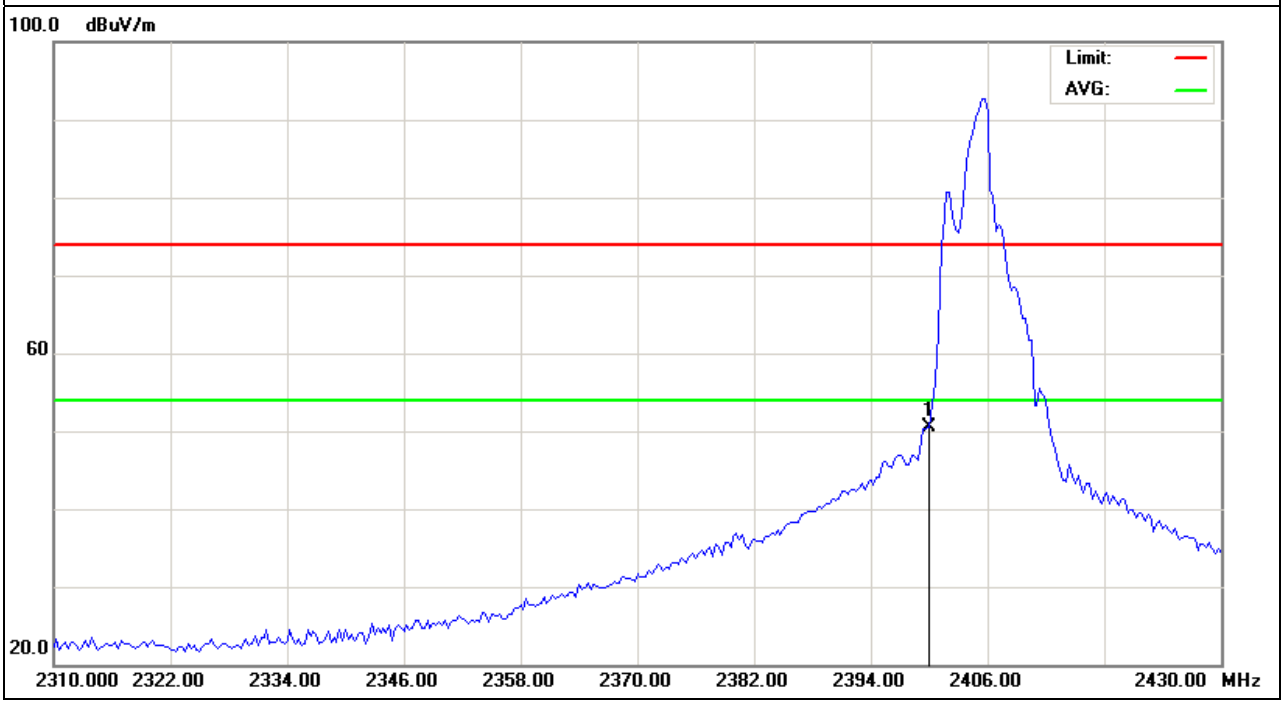
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2402MHz-2Mbps | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2400 | 64.09 | -12.99 | 51.1 | 74 | -22.9 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

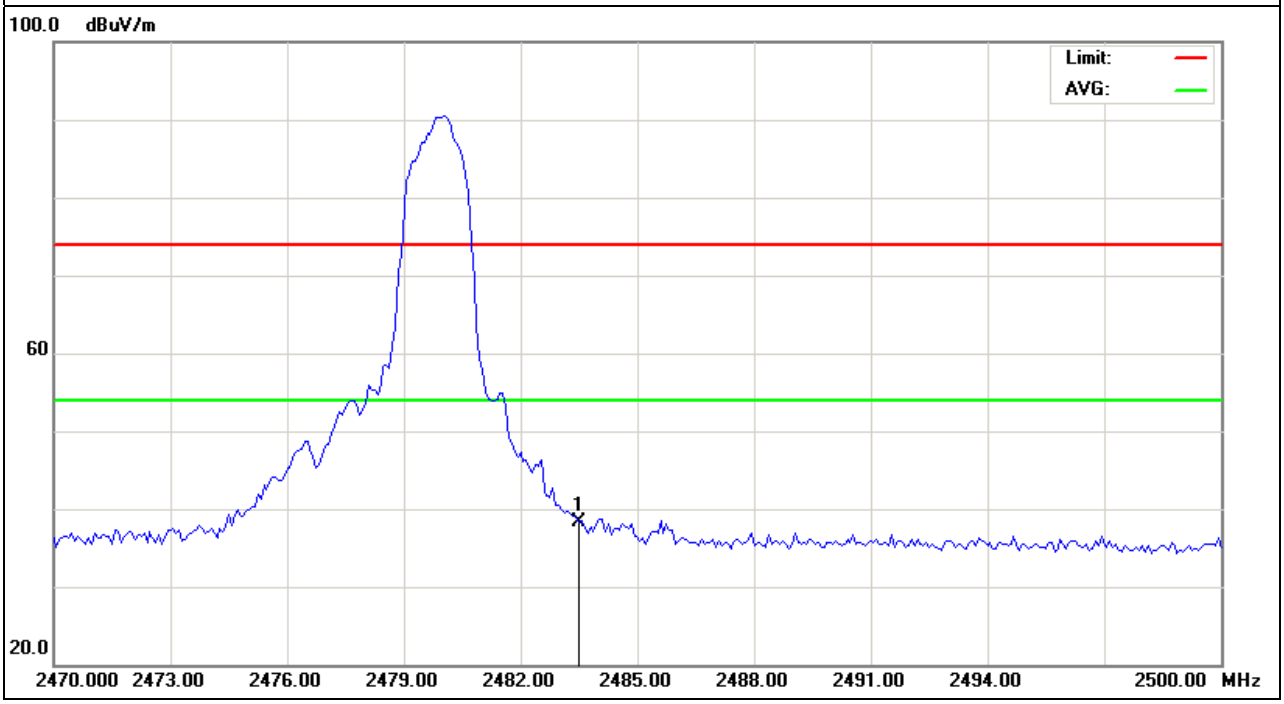
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2480MHz-2Mbps | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2483.5 | 51.16 | -12.78 | 38.38 | 74 | -35.62 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

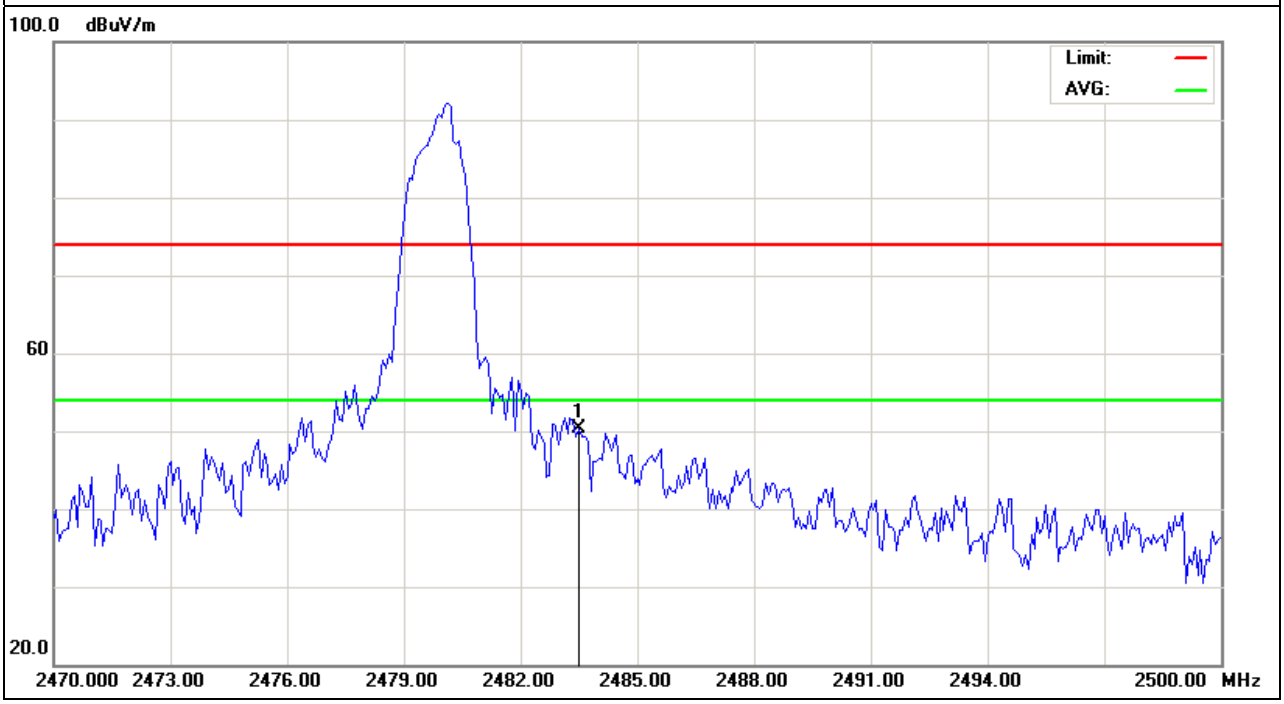
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2480MHz-2Mbps | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2483.5 | 63.08 | -12.78 | 50.3 | 74 | -23.7 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

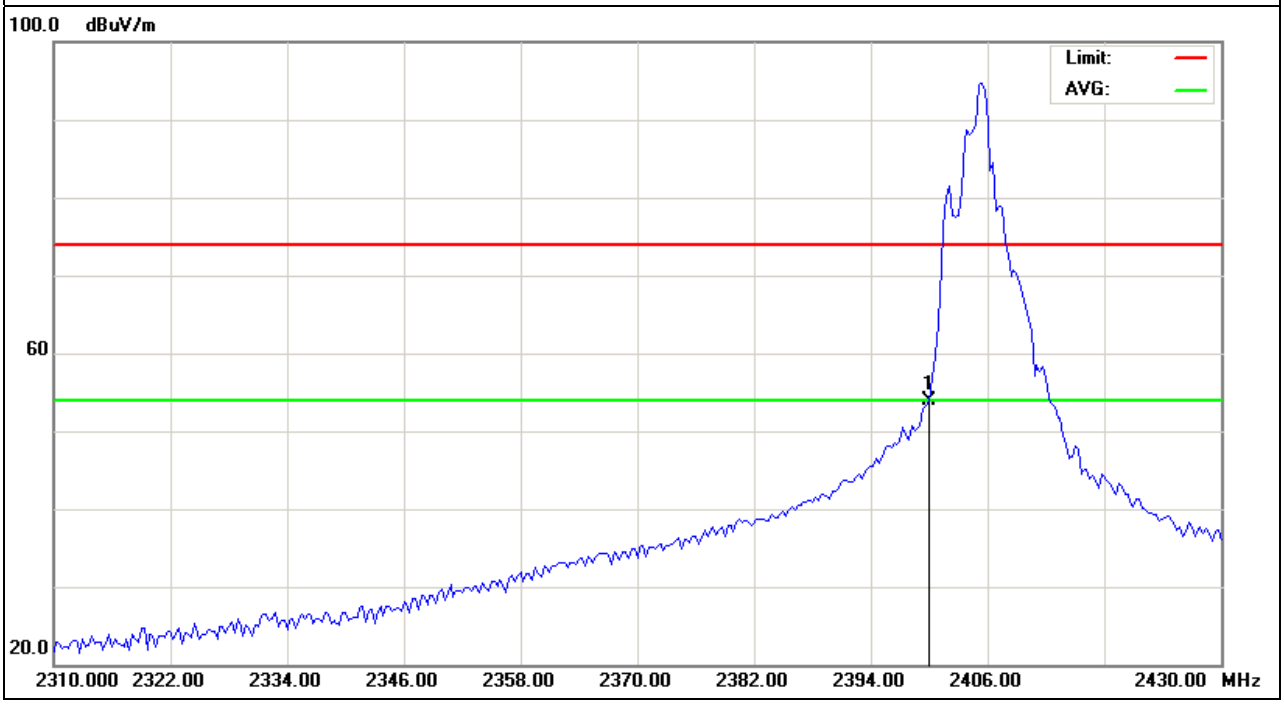
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2402MHz-3Mbps | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2400 | 66.13 | -12.99 | 53.14 | 74 | -20.86 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

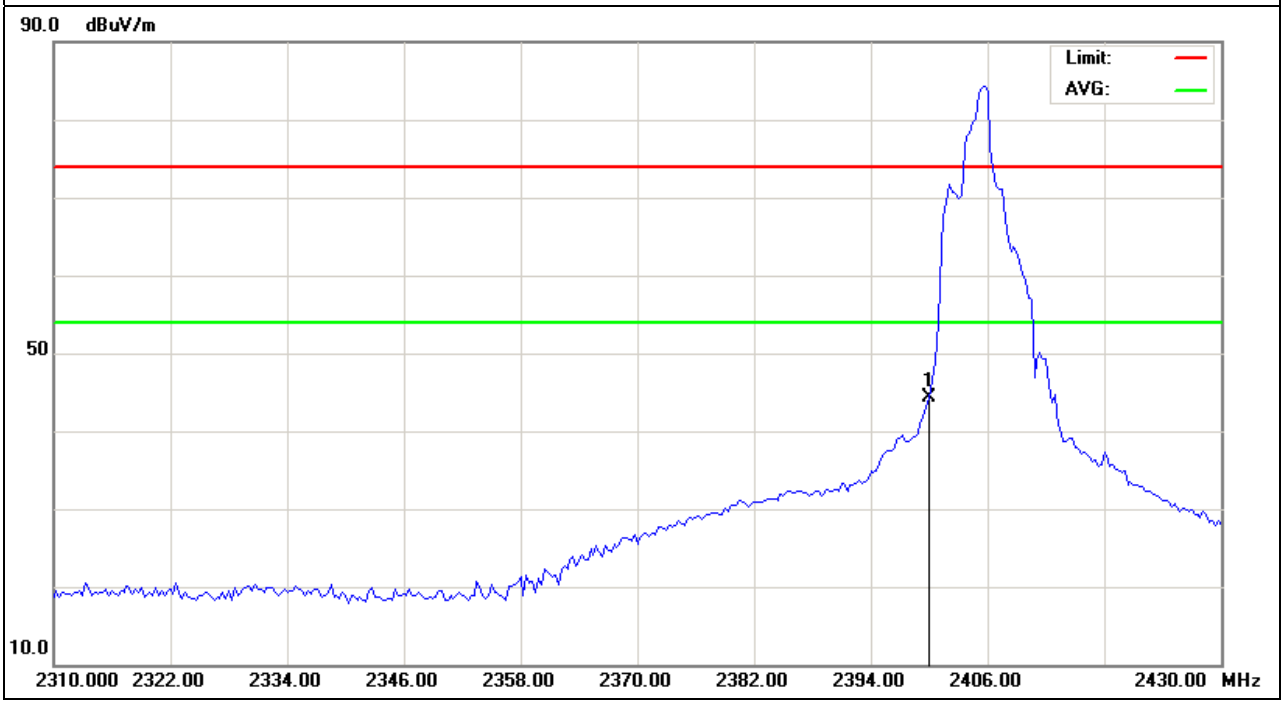
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2402MHz-3Mbps | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2400 | 56.88 | -12.99 | 43.89 | 74 | -30.11 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

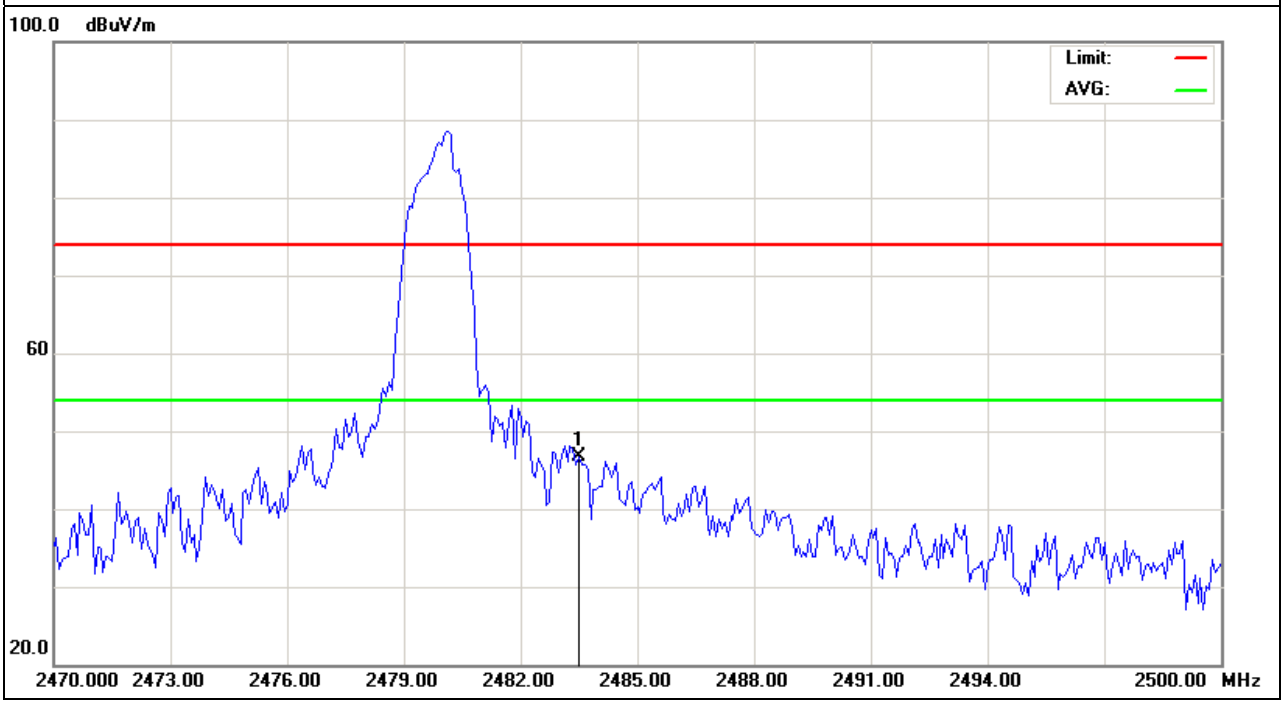
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2480MHz-3Mbps | Polarization： | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2483.5 | 59.51 | -12.78 | 46.73 | 74 | -27.27 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

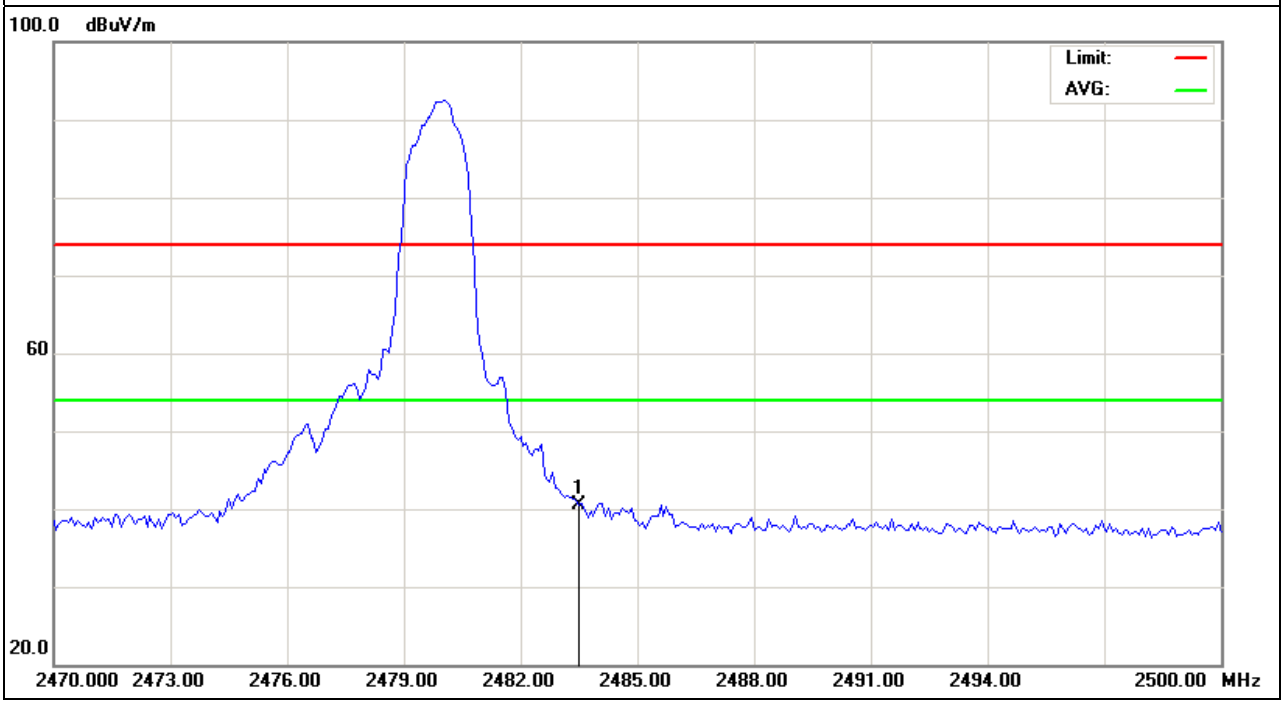
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 20 ℃ | Relative Humidity： | 48% |
| Pressure： | 1010 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | TX /2480MHz-3Mbps | Polarization： | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|---|---|---|---|---|---|---|
| (MHz) | (dBμV) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | |
| 2483.5 | 53.21 | -12.78 | 40.43 | 74 | -33.57 | peak |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



# 4. NUMBER OF HOPPING CHANNEL

## 4.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---|---|---|---|---|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247 (a)(1)(iii) | Number of Hopping Channel | ≥15 | 2400-2483.5 | PASS |

| Spectrum Parameters | Setting |
|---|---|
| Attenuation | Auto |
| Span Frequency | = the frequency band of operation |
| RB | RBW ≥ 1% of the span |
| VB | VBW ≥ RBW |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

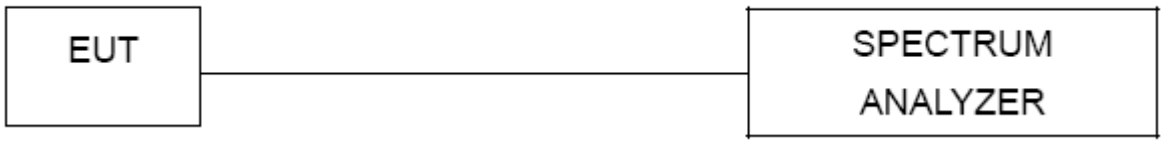
### 4.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 1MHz, VBW=1MHz, Sweep time = Auto.

### 4.1.2 DEVIATION FROM STANDARD

No deviation.

### 4.1.3 TEST SETUP



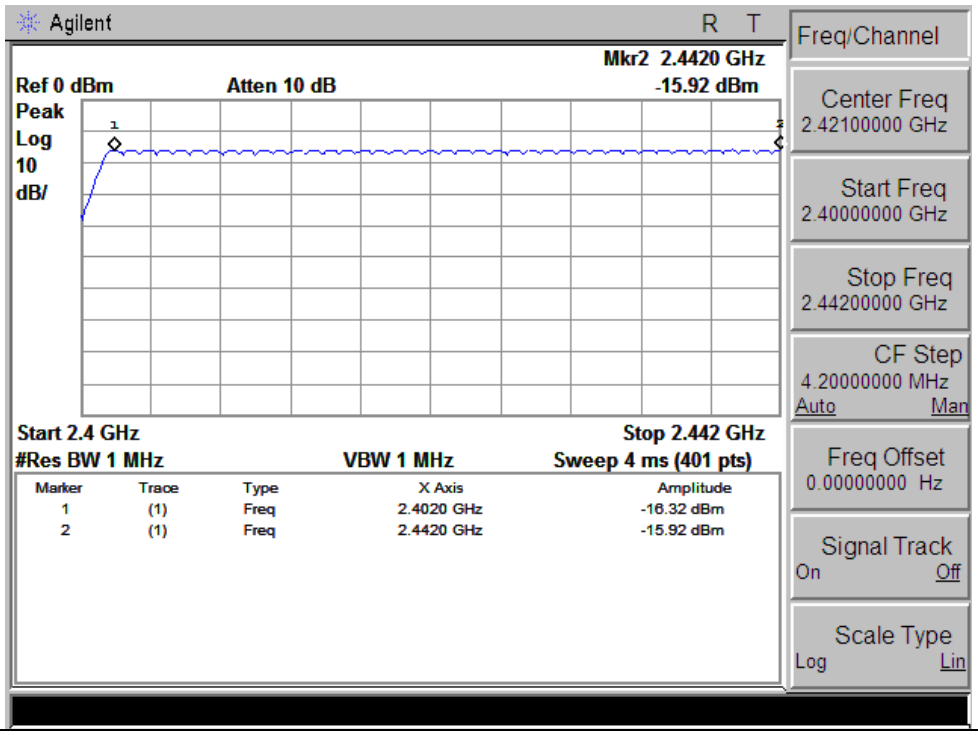

### 4.1.4 EUT OPERATION CONDITIONS

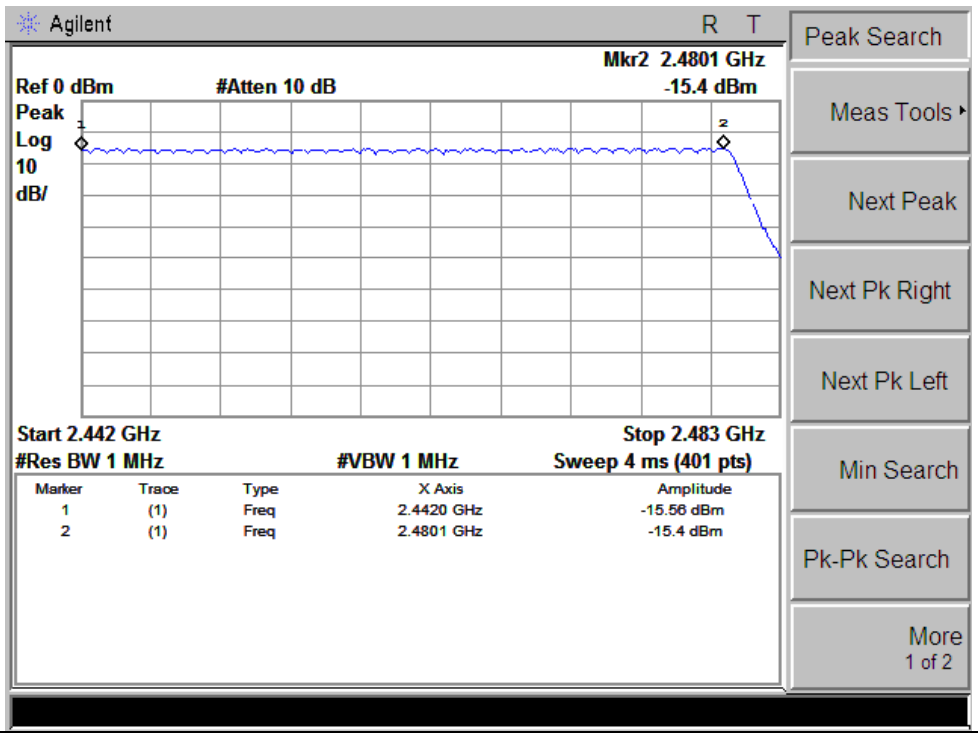
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

### 4.1.5 TEST RESULTS

| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1015 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | Hopping Mode | | |

| Number of Hopping Channel | 79 |
|---|---|



# 5. AVERAGE TIME OF OCCUPANCY

## 5.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---|---|---|---|---|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247 (a)(1)(iii) | Average Time of Occupancy | 0.4sec | 2400-2483.5 | PASS |

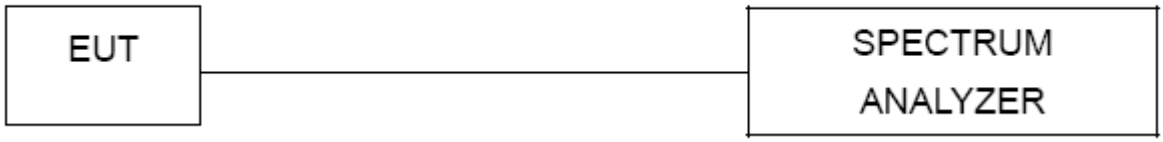
### 5.1.1 TEST PROCEDURE

a. The transmitter output (antenna port) was connected to the spectrum analyzer
b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
d. Sweep Time is more than once pulse time.
e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
f. Measure the maximum time duration of one single pulse.
g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
h. Measure the maximum time duration of one single pulse.
i. A Period Time = (channel number)*0.4
DH1 Time Slot: Reading * (1600/2)*31.6/(channel number)
DH3 Time Slot: Reading * (1600/4)*31.6/(channel number)
DH5 Time Slot: Reading * (1600/6)*31.6/(channel number)

### 5.1.2 DEVIATION FROM STANDARD

No deviation.

### 5.1.3 TEST SETUP




### 5.1.4 EUT OPERATION CONDITIONS

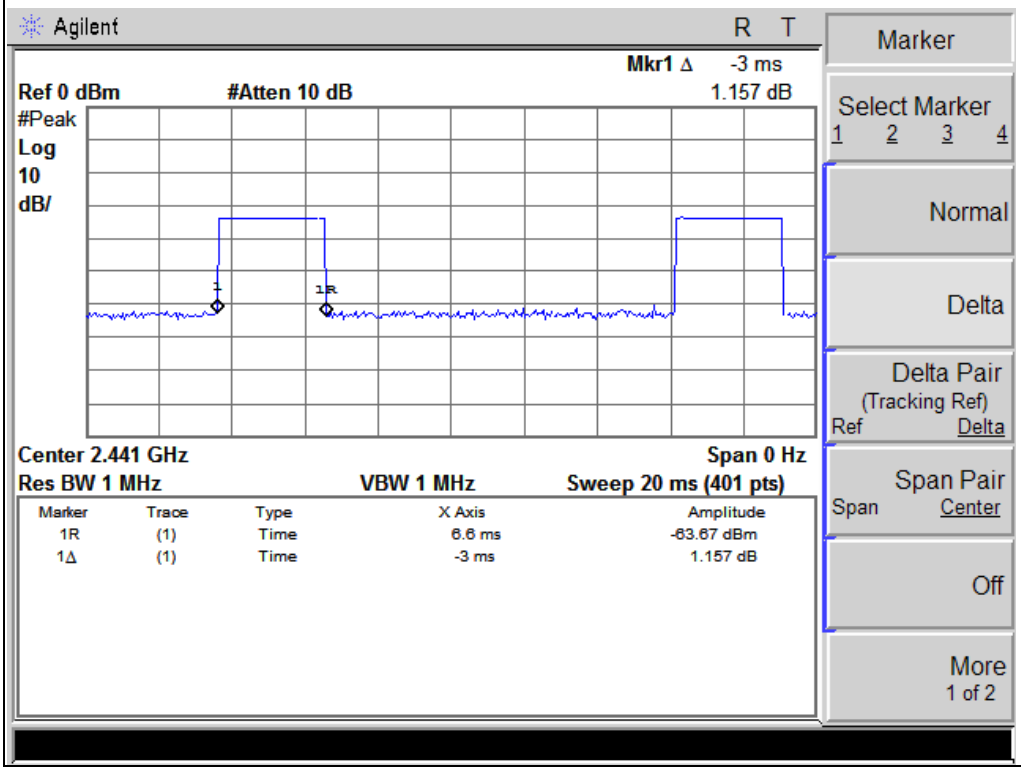
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

### 5.1.5 TEST RESULTS

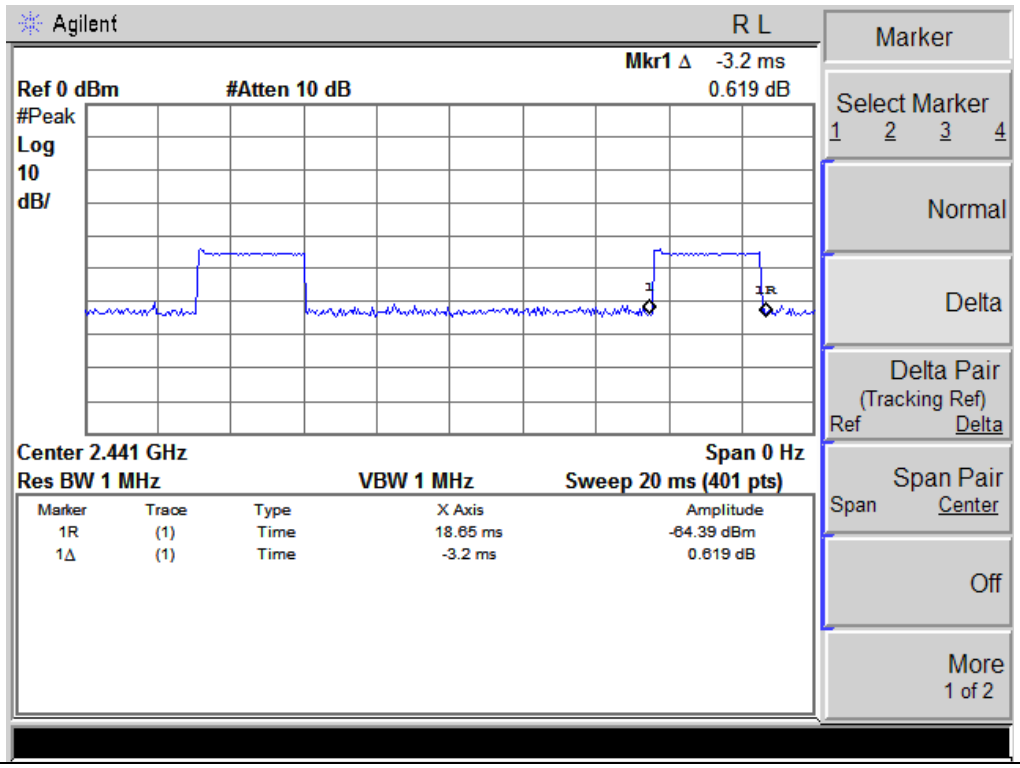
| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00-DH5 (1M/2M/3Mbps Mode) | | |

| Data Packet | Frequency | Pulse Duration (ms) | Dwell Time (s) | Limits (s) |
|---|---|---|---|---|
| DH5 | 2441MHz | 3.00 | 0.32 | 0.40 |
| 2DH5 | 2441MHz | 3.20 | 0.34 | 0.40 |
| 3DH5 | 2441MHz | 3.25 | 0.35 | 0.40 |

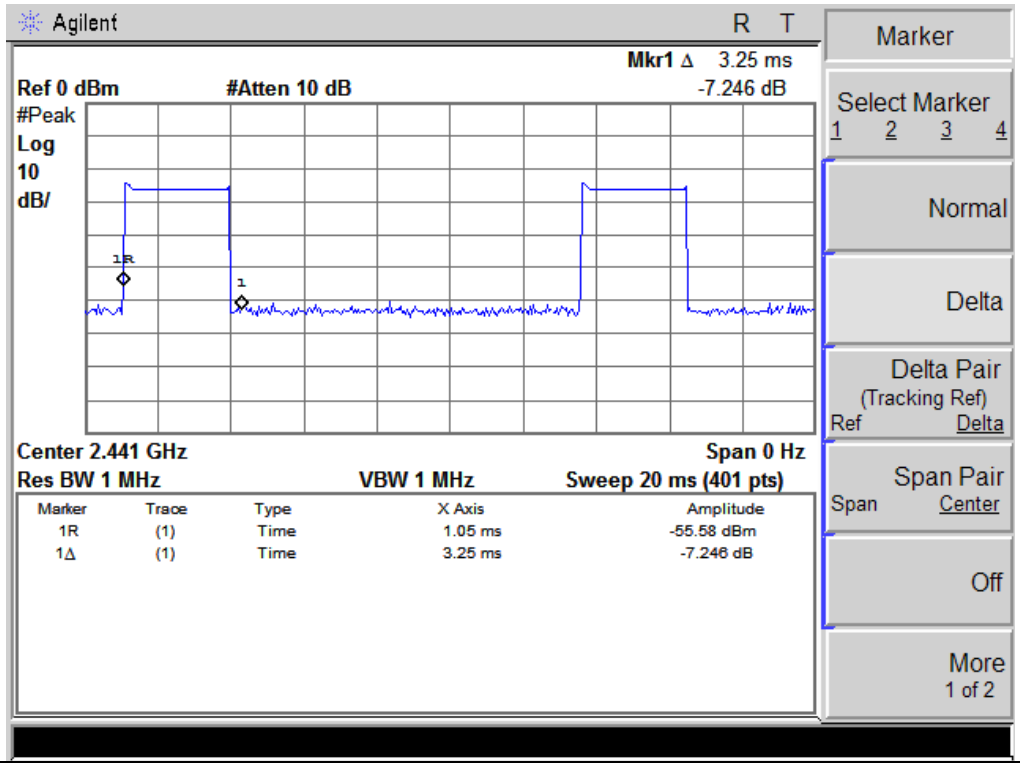
**CH00-DH5**



**CH00-2DH5**




**CH00-3DH5**




**NOTE** :The dwell time is showed the maximum data of all data(DH1,2DH1,3DH1, DH3,2DH3,3DH3, DH5,2DH5,3DH5), (DH5,2DH5,3DH5) of mode have the maximum dwell time.

# 6. HOPPING CHANNEL SEPARATION MEASUREMENT

## 6.1 APPLIED PROCEDURES / LIMIT

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.

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Span Frequency | wide enough to capture the peaks of two adjacent channels |
| RB | ≥ 1% of the span |
| VB | ≥ RBW |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

### 6.1.1 TEST PROCEDURE

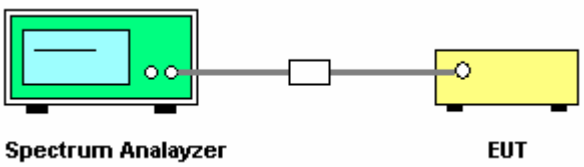
a. The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.

b. The resolution bandwidth of 100 kHz and the video bandwidth of 100 kHz were utilised for channel separation measurement.

### 6.1.2 DEVIATION FROM STANDARD

No deviation.

### 6.1.3 TEST SETUP




### 6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

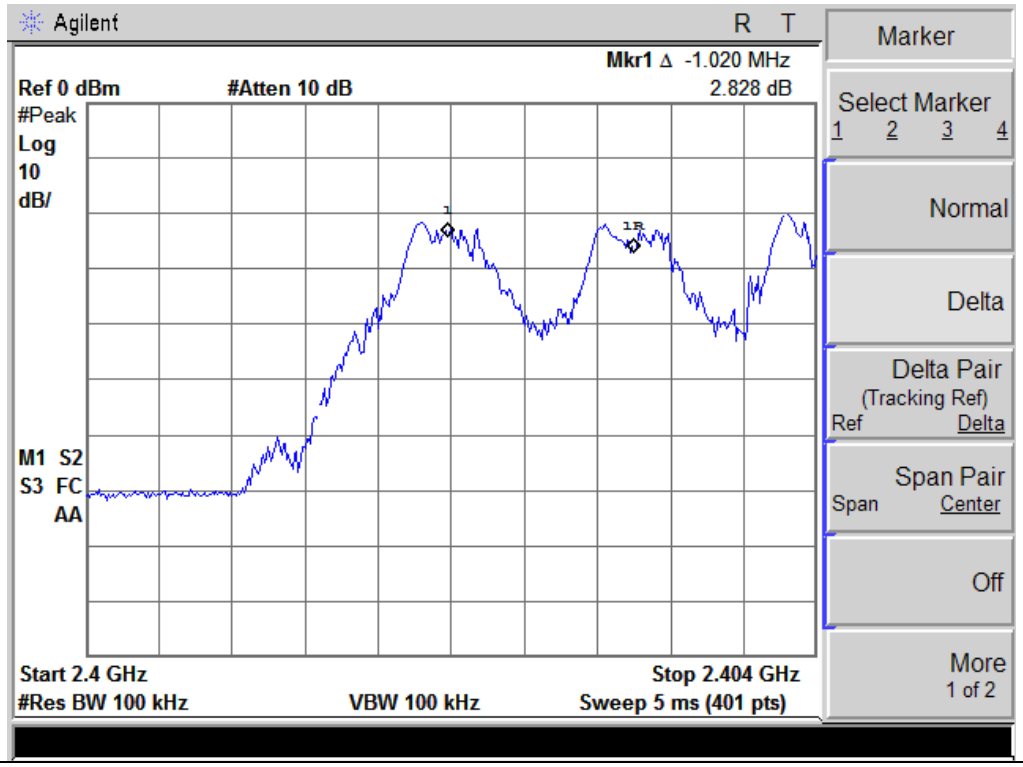
### 6.1.5 TEST RESULTS

| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00 / CH39 /CH78 (1Mbps Mode) | | |

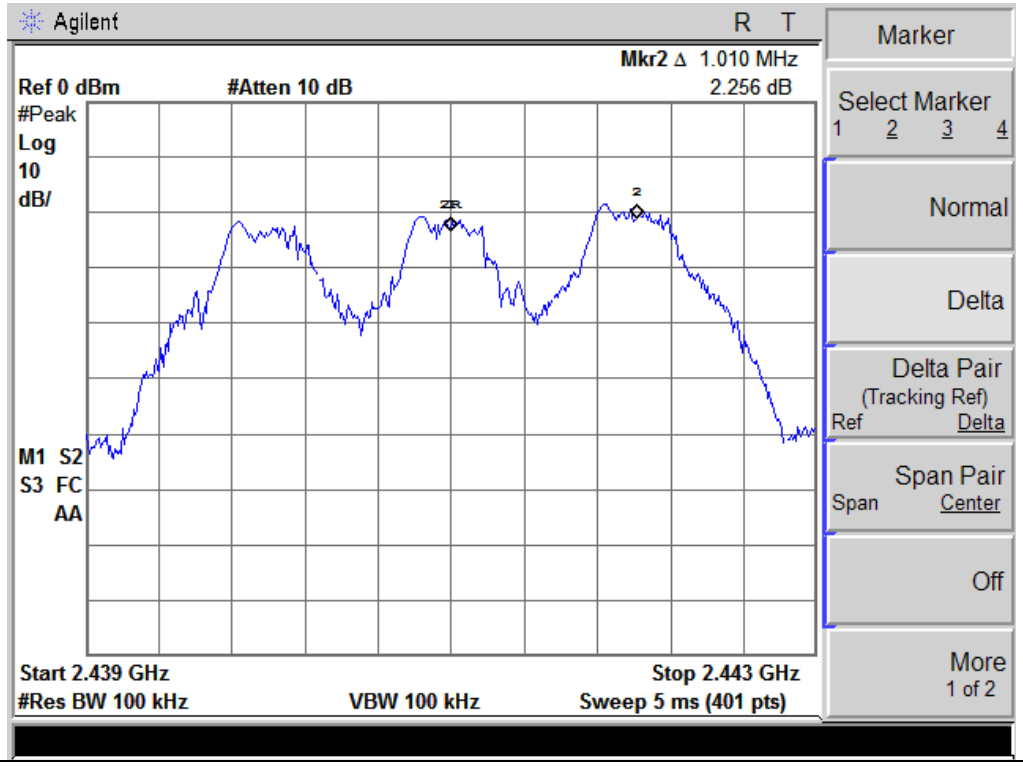
| Frequency | Ch. Separation (MHz) | Result |
|---|---|---|
| 2402 MHz | 1.02 | **Complies** |
| 2441 MHz | 1.01 | **Complies** |
| 2480 MHz | 1.00 | **Complies** |

**Ch. Separation Limits: >20dB bandwidth**

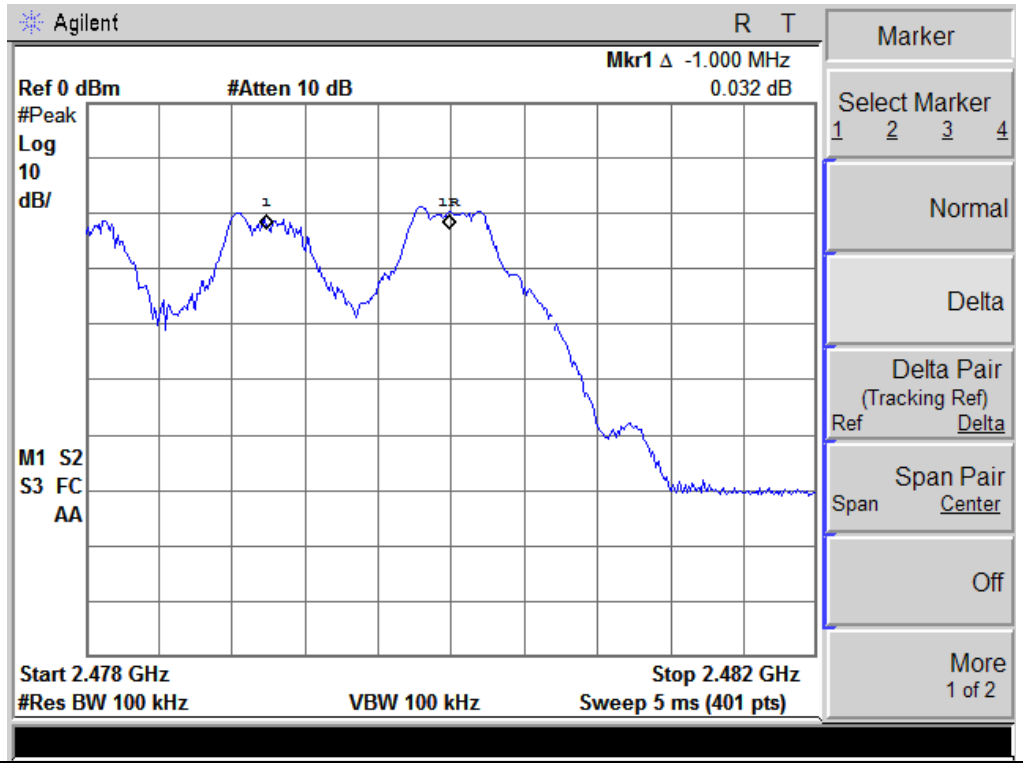
**CH00 -1Mbps**



**CH39 -1Mbps**




**CH78 -1Mbps**

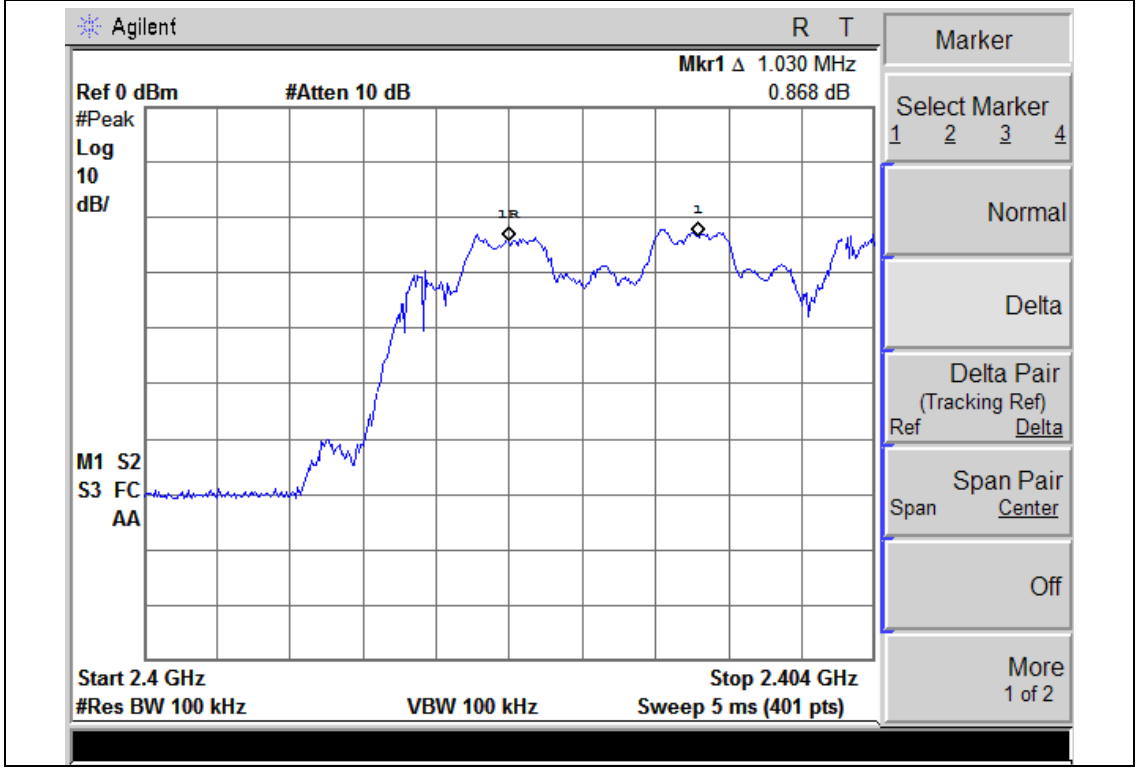


| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00 / CH39 /CH78 (2Mbps Mode) | | |

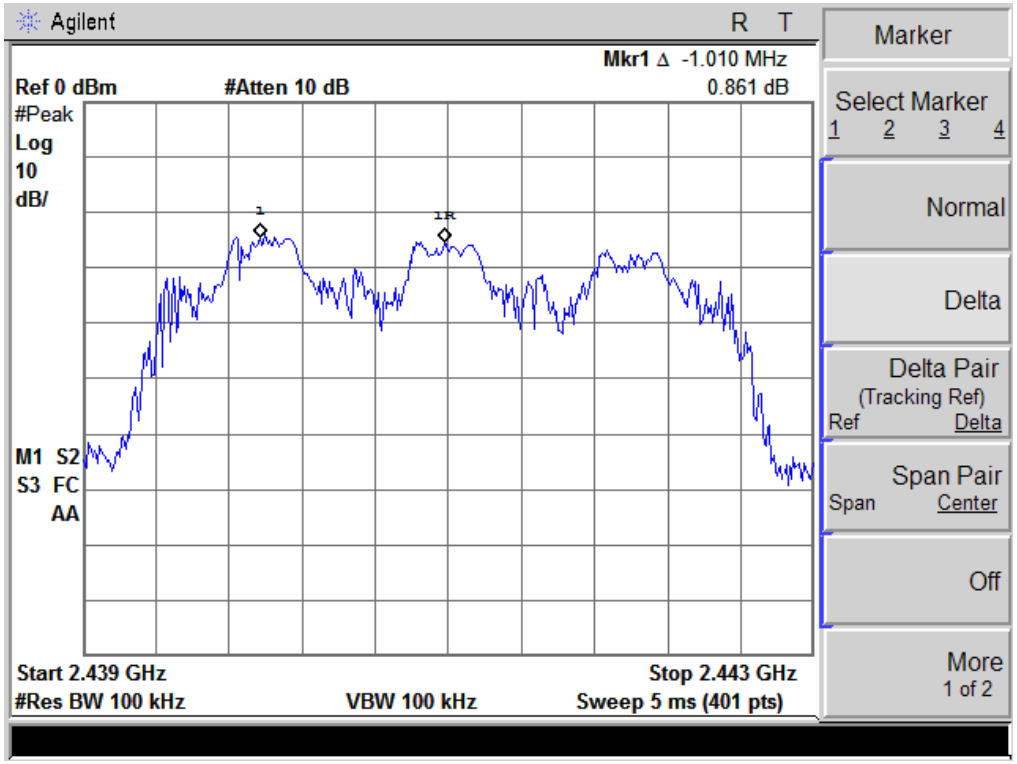
| Frequency | Ch. Separation (MHz) | Result |
|---|---|---|
| 2402 MHz | 1.03 | **Complies** |
| 2441 MHz | 1.01 | **Complies** |
| 2480 MHz | 1.01 | **Complies** |

**Ch. Separation Limits: >2/3 of 20dB bandwidth**

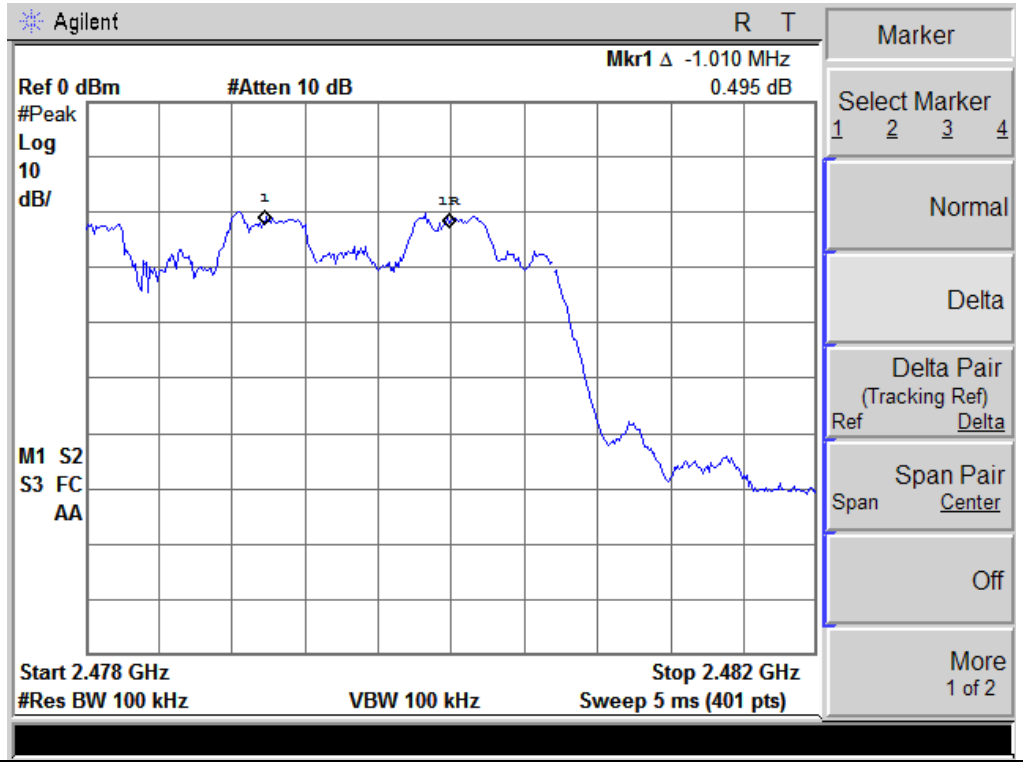
**CH00 -2Mbps**



**CH39 -2Mbps**




**CH78 -2Mbps**

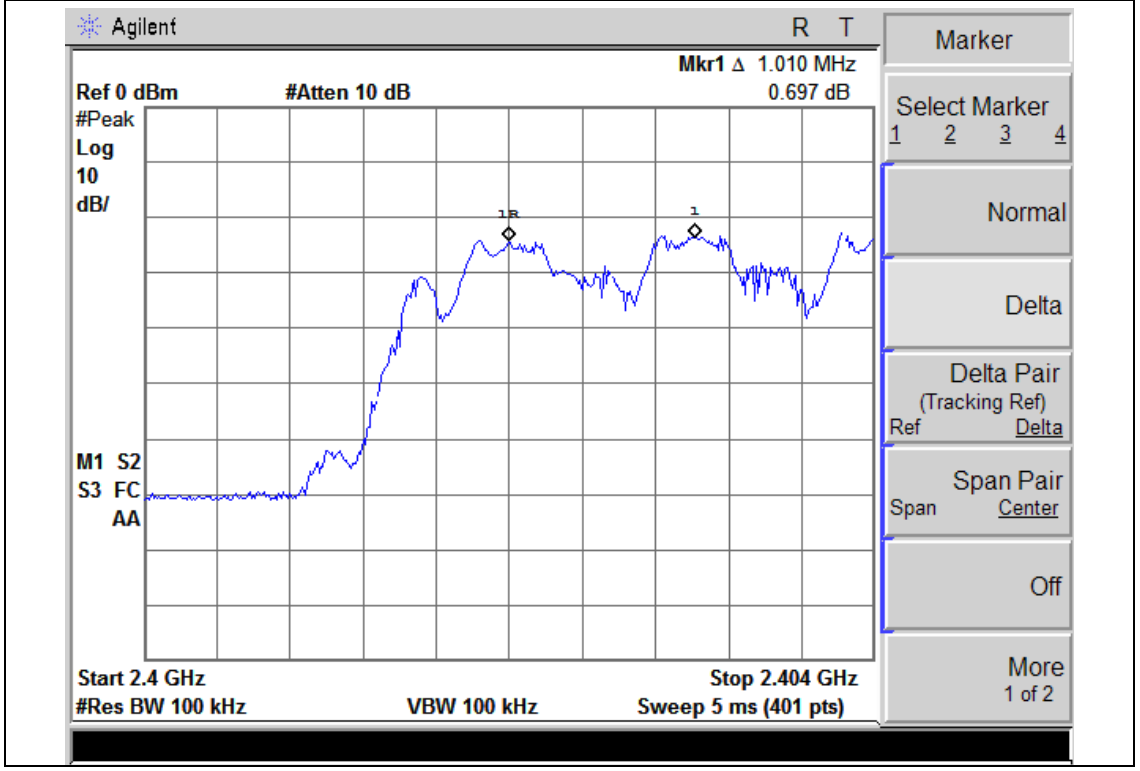


| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00 / CH39 /CH78 (3Mbps Mode) | | |

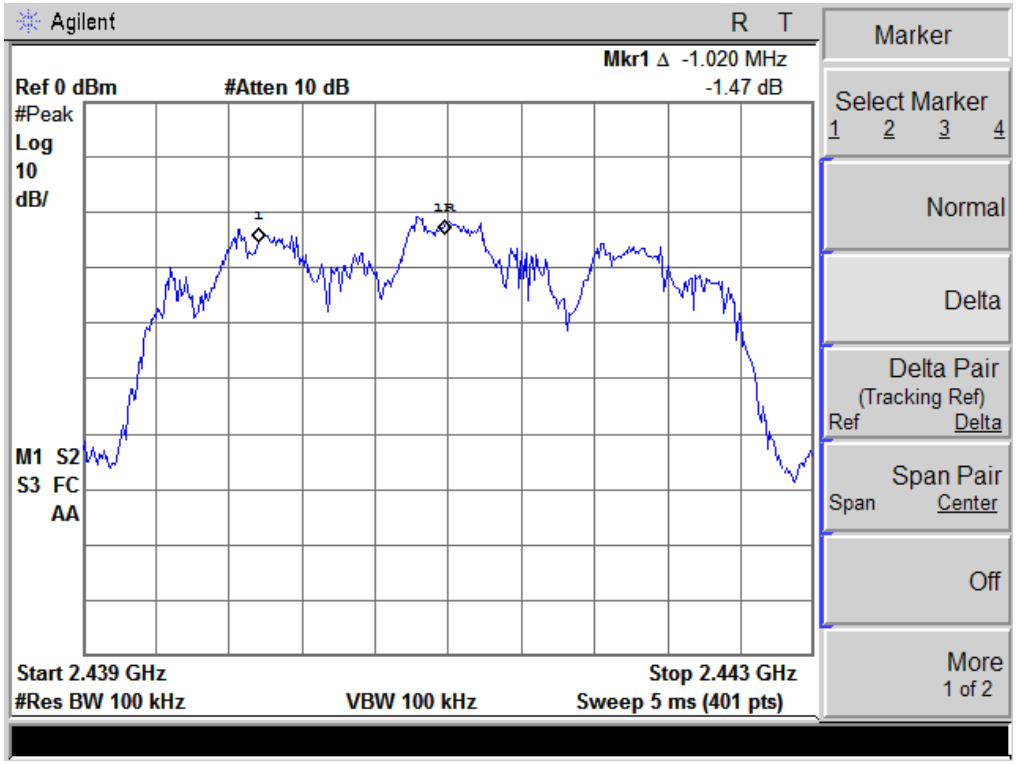
| Frequency | Ch. Separation (MHz) | Result |
|---|---|---|
| 2402 MHz | 1.01 | **Complies** |
| 2441 MHz | 1.02 | **Complies** |
| 2480 MHz | 1.01 | **Complies** |

**Ch. Separation Limits: >2/3 of 20dB bandwidth**

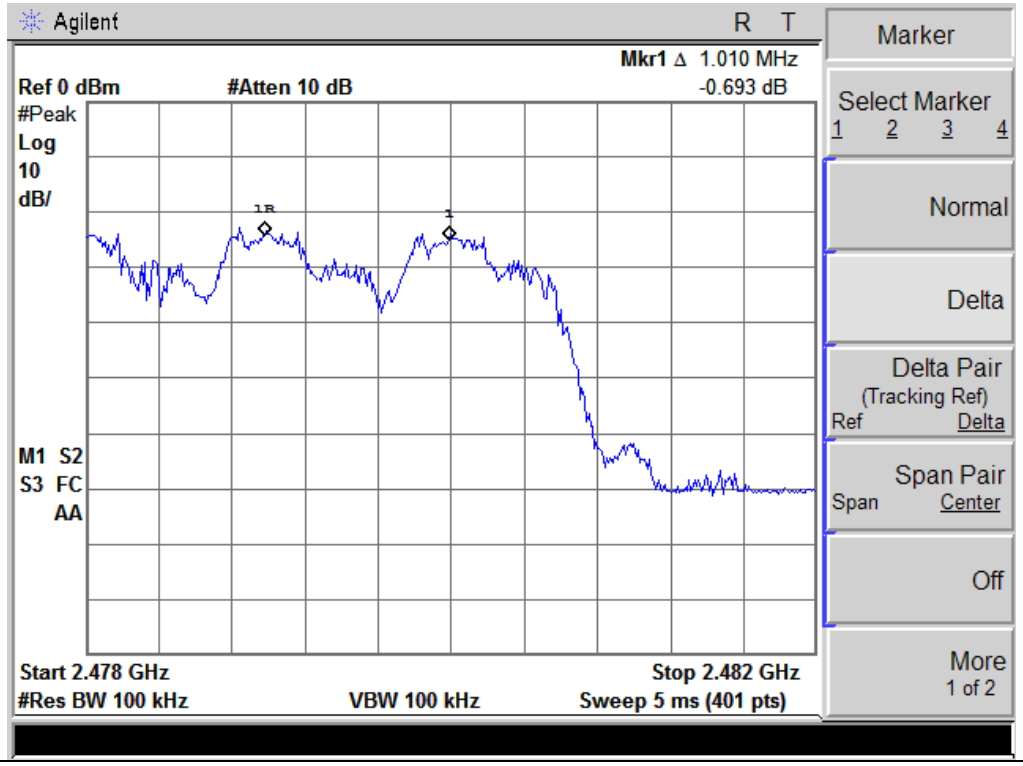
**CH00 -3Mbps**



**CH39 -3Mbps**




**CH78 -3Mbps**



# 7. BANDWIDTH TEST

## 7.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---|---|---|---|---|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247 (a)(1) | Bandwidth | (20dB bandwidth) | 2400-2483.5 | PASS |

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Span Frequency | > Measurement Bandwidth or Channel Separation |
| RB | 30 kHz |
| VB | 100 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

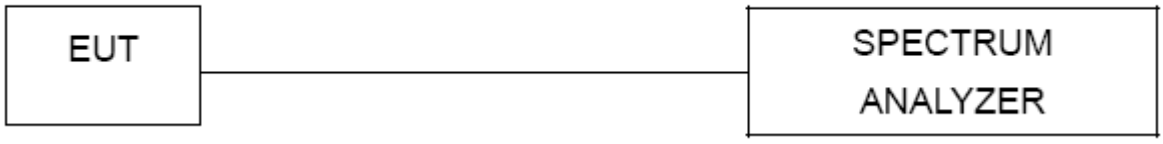
### 7.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 30KHz, VBW=100KHz, Sweep time = Auto.

### 7.1.2 DEVIATION FROM STANDARD

No deviation.

### 7.1.3 TEST SETUP




### 7.1.4 EUT OPERATION CONDITIONS

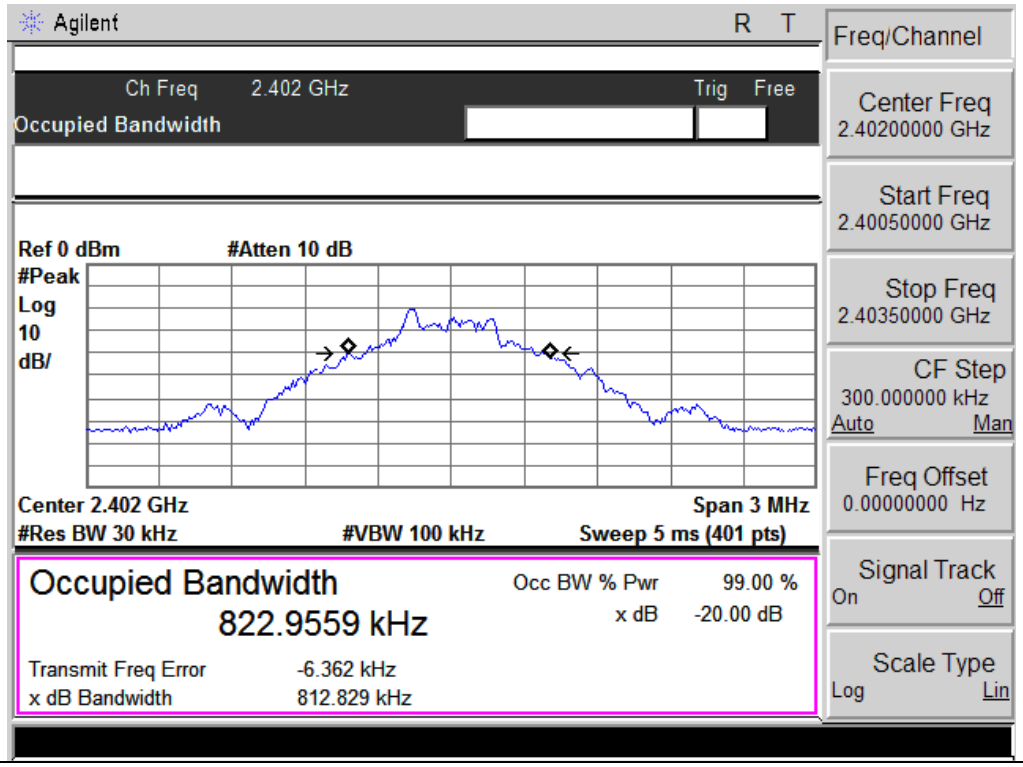
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

### 7.1.5 TEST RESULTS

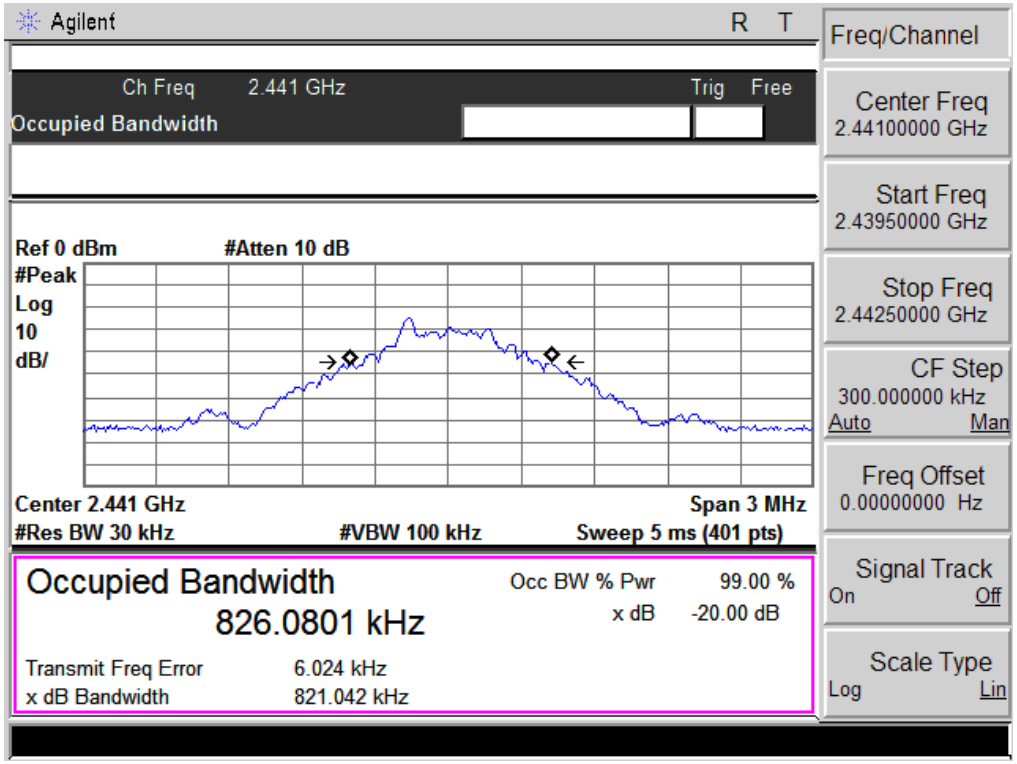
| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00 / CH39 /C78**(1Mbps)** | | |

| Channel | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | Result |
|---|---|---|---|
| Low Channel | 2402 | 812.829 | PASS |
| Mid Channel | 2441 | 821.04 | PASS |
| High Channel | 2480 | 739.89 | PASS |

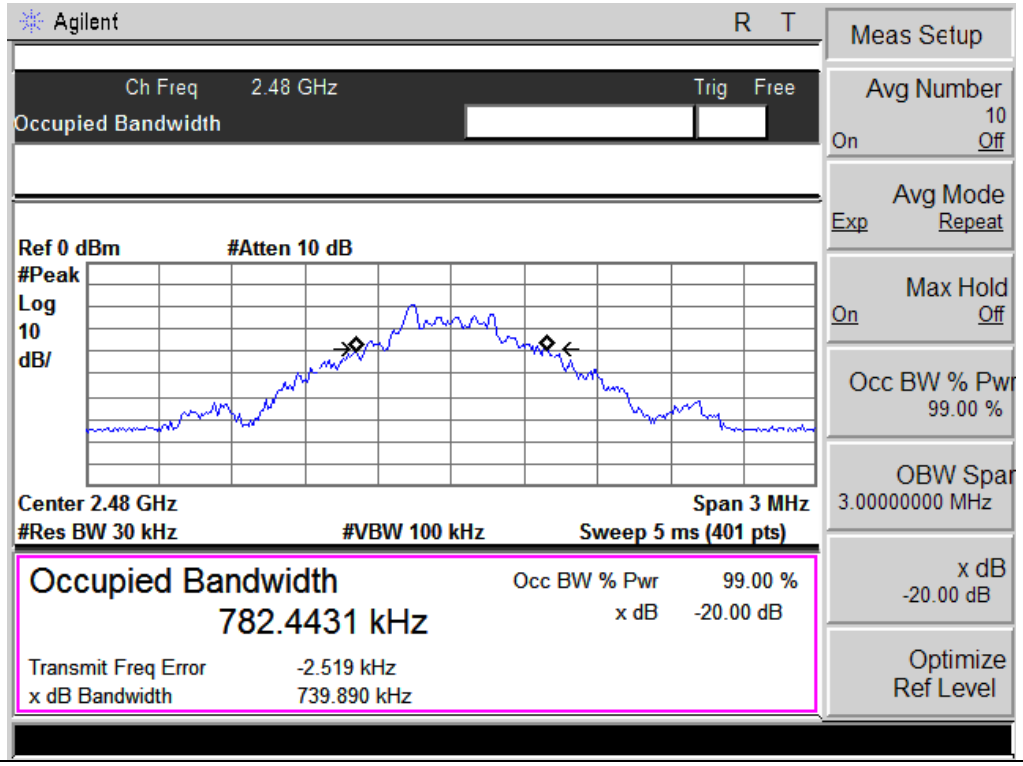
**CH00 -1Mbps**



**CH39 -1Mbps**



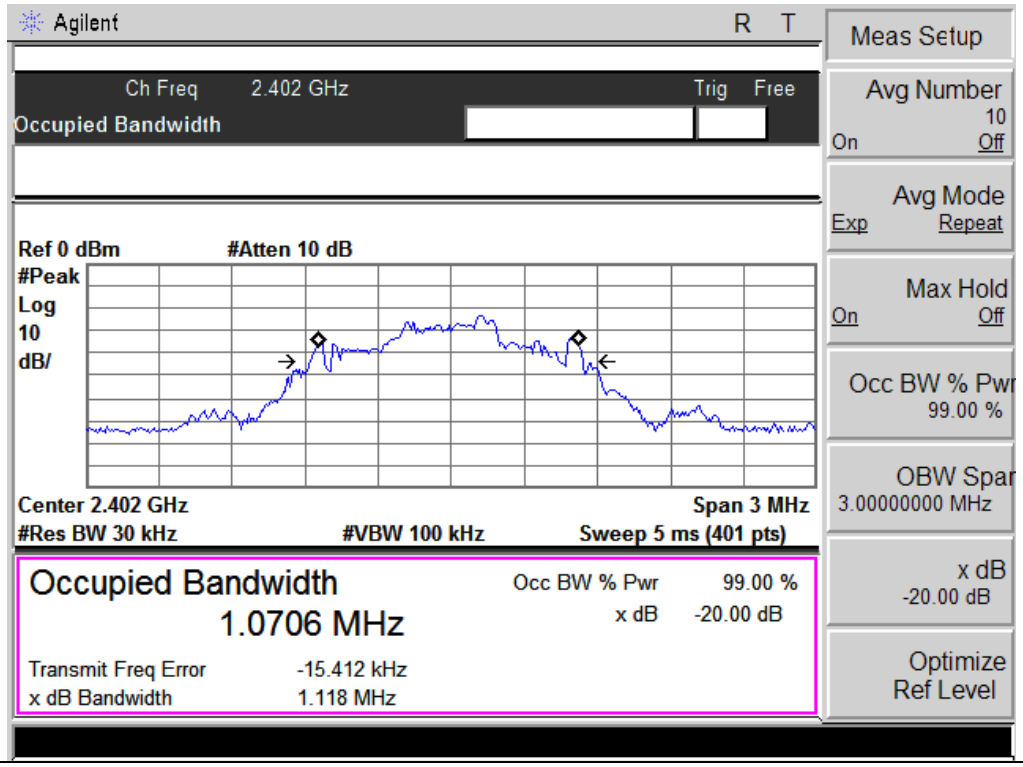

**CH78 -1Mbps**



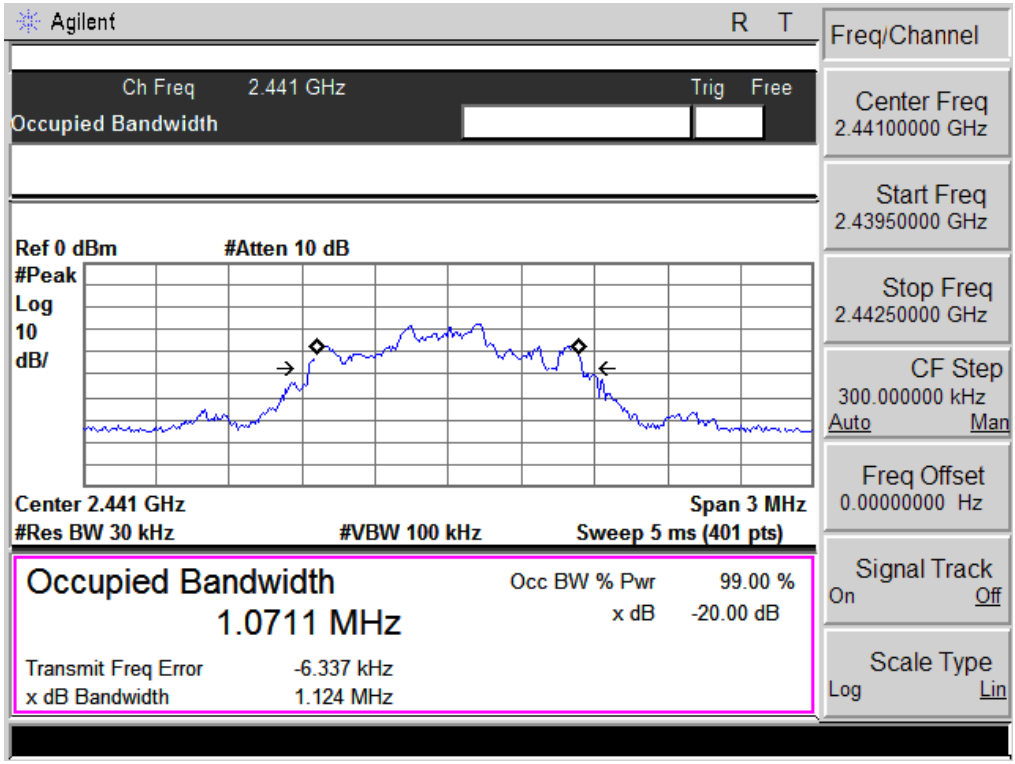
| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00 / CH39 /C78**(2Mbps)** | | |

| Channel | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | Result |
|---|---|---|---|
| Low Channel | 2402 | 1.118 | PASS |
| Mid Channel | 2441 | 1.124 | PASS |
| High Channel | 2480 | 1.126 | PASS |

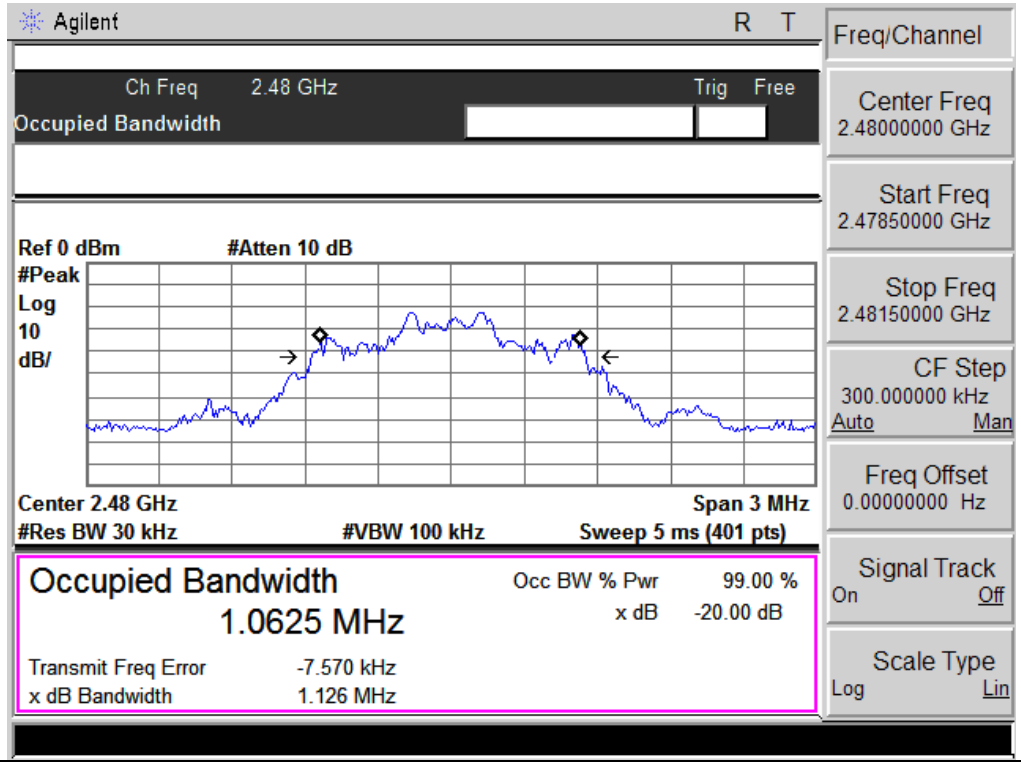
**CH00 -2Mbps**



**CH39 -2Mbps**



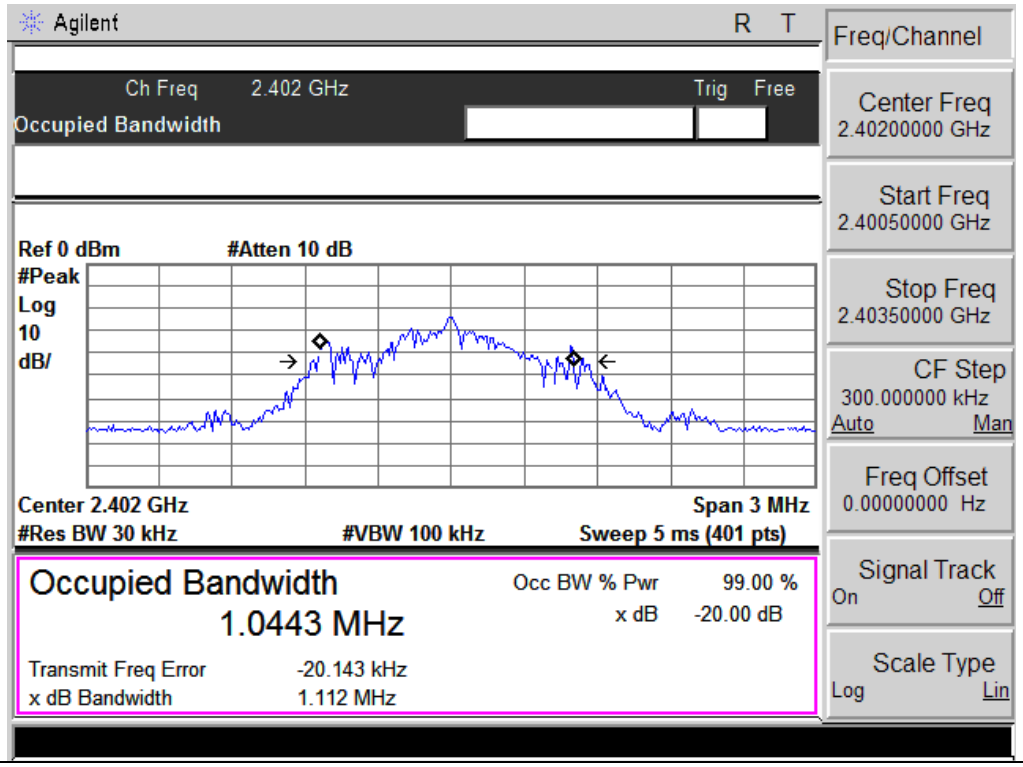

**CH78 -2Mbps**



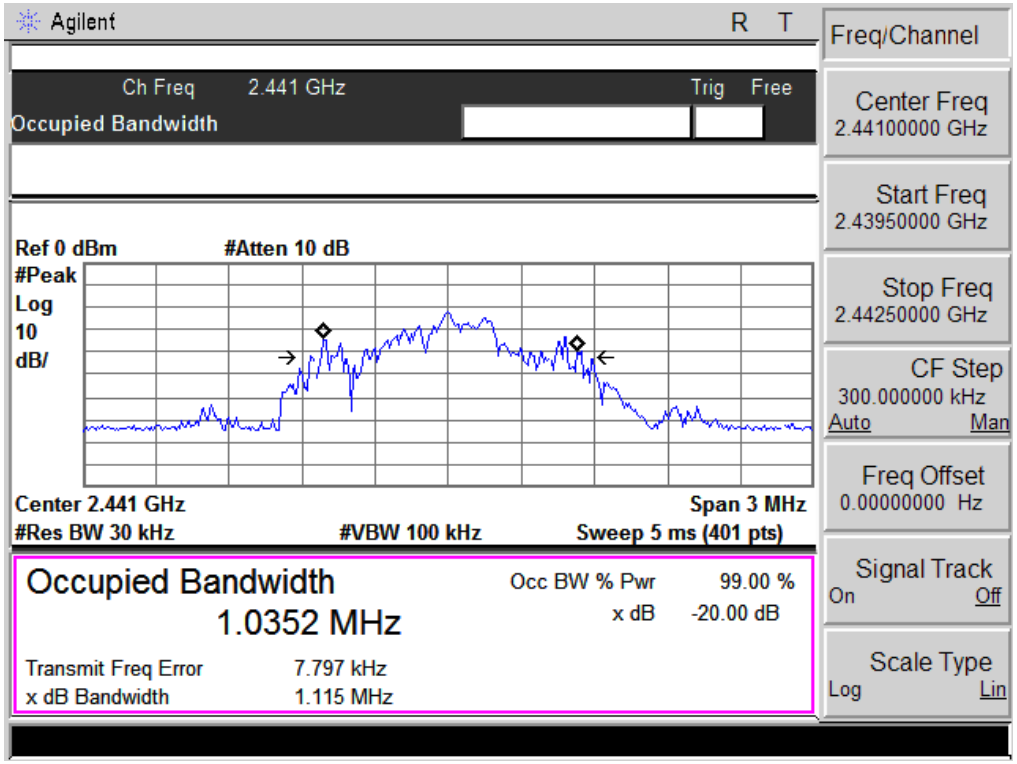
| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00 / CH39 /C78**(3Mbps)** | | |

| Channel | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | Result |
|---|---|---|---|
| Low Channel | 2402 | 1.12 | PASS |
| Mid Channel | 2441 | 1.113 | PASS |
| High Channel | 2480 | 1.33 | PASS |

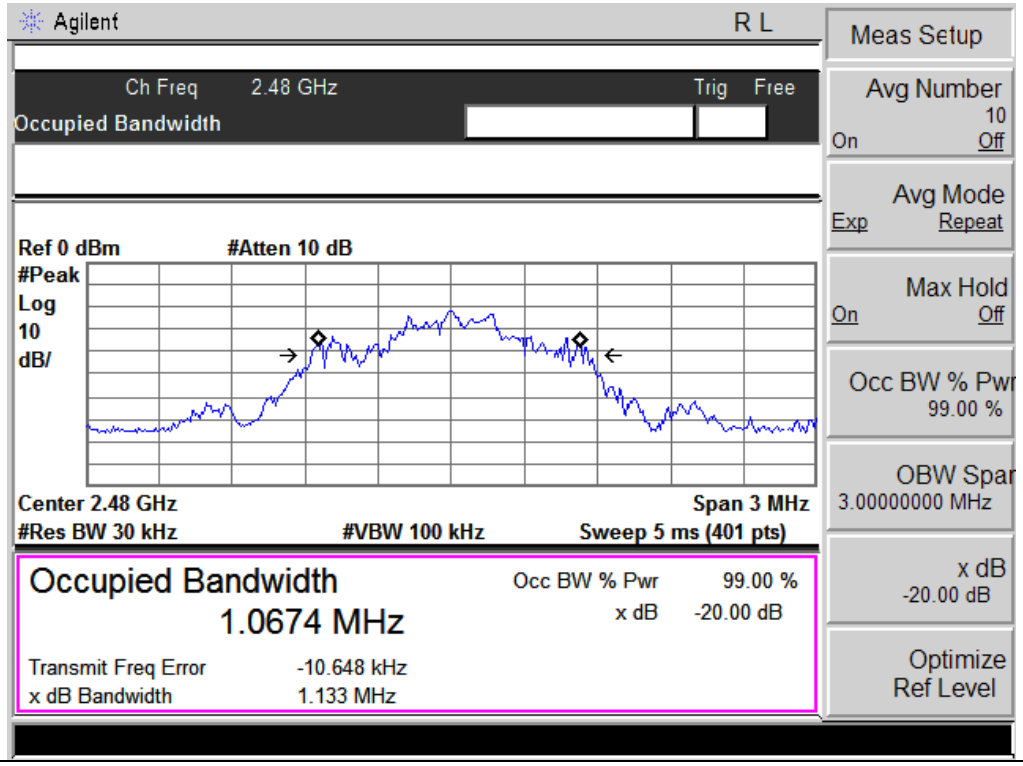
**CH00 -3Mbps**



**CH39 -3Mbps**




**CH78 -3Mbps**



# 8. PEAK OUTPUT POWER TEST

## 8.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---|---|---|---|---|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247 (b)(i) | Peak Output Power | 30dBm or 20.96dBm | 2400-2483.5 | PASS |

### 8.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b. Spectrum Setting : RBW > the 20 dB bandwidth of the emission being measured

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

VBW ≥ RBW

Sweep = auto

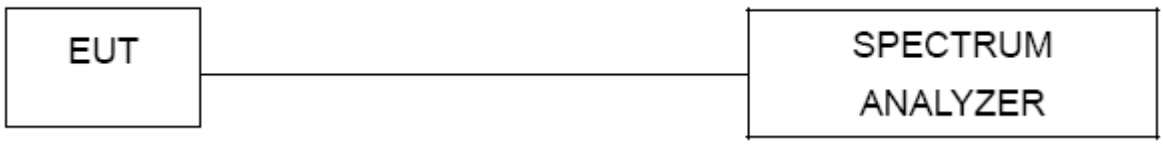
Detector function = peak

Trace = max hold

### 8.1.2 DEVIATION FROM STANDARD

No deviation.

### 8.1.3 TEST SETUP




### 8.1.4 EUT OPERATION CONDITIONS

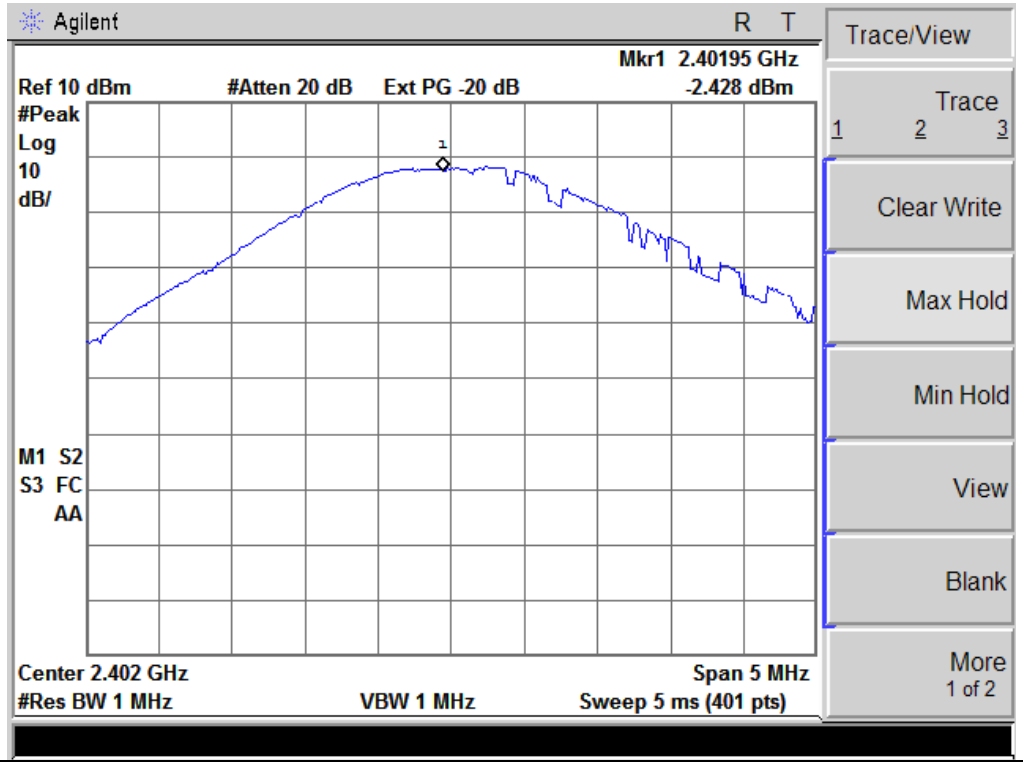
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

### 8.1.5 TEST RESULTS

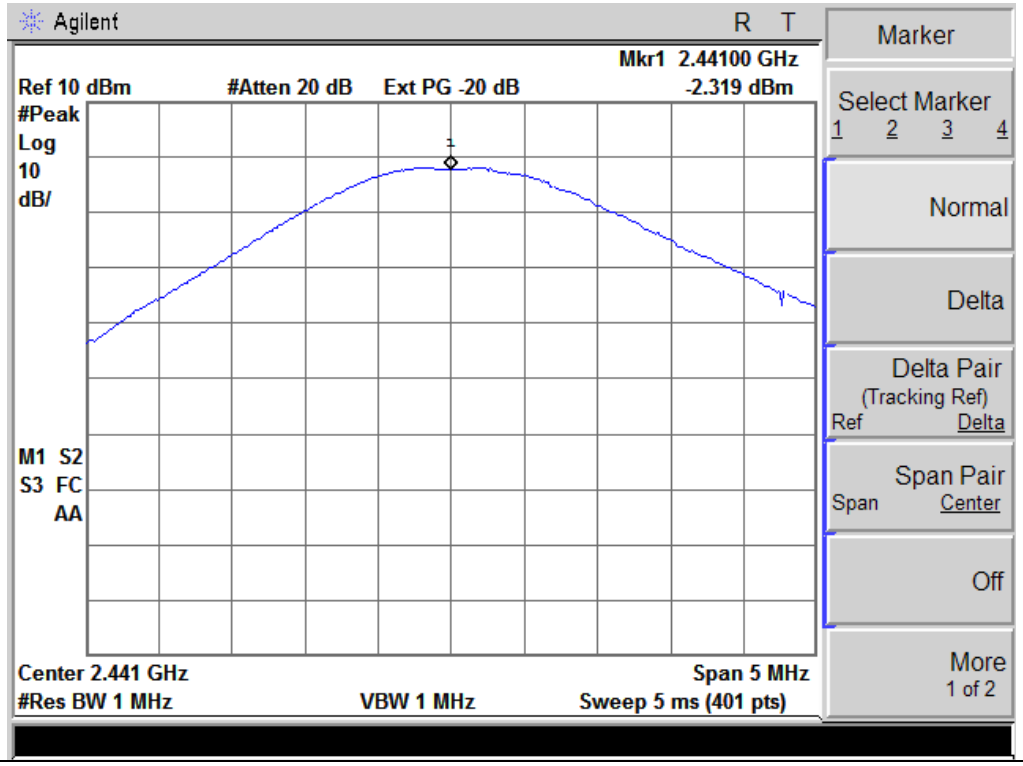
| | | | |
|---|---|---|---|
| EUT： | Bluetooth Headphone | Model Name ： | BT300 |
| Temperature： | 25 ℃ | Relative Humidity： | 60% |
| Pressure： | 1012 hPa | Test Voltage ： | DC 3.7V |
| Test Mode ： | CH00/ CH39 /CH78 (1M/2M/3Mbps Mode) | | |

| Channel | Frequency (MHz) | Output Power (mW) | Limit (mW) |
|---|---|---|---|
| BDR mode (GFSK) | | | |
| Low | 2402 | -2.428 | 1000 |
| Middle | 2441 | -2.319 | 1000 |
| High | 2480 | -1.709 | 1000 |
| EDR Mode (π/4-DQPSK) | | | |
| Low | 2402 | -1.321 | 1000 |
| Middle | 2441 | -1.257 | 1000 |
| High | 2480 | -0.736 | 1000 |
| EDR Mode (8 DPSK) | | | |
| Low | 2402 | -1.368 | 1000 |
| Middle | 2441 | -0.872 | 1000 |
| High | 2480 | -0.569 | 1000 |

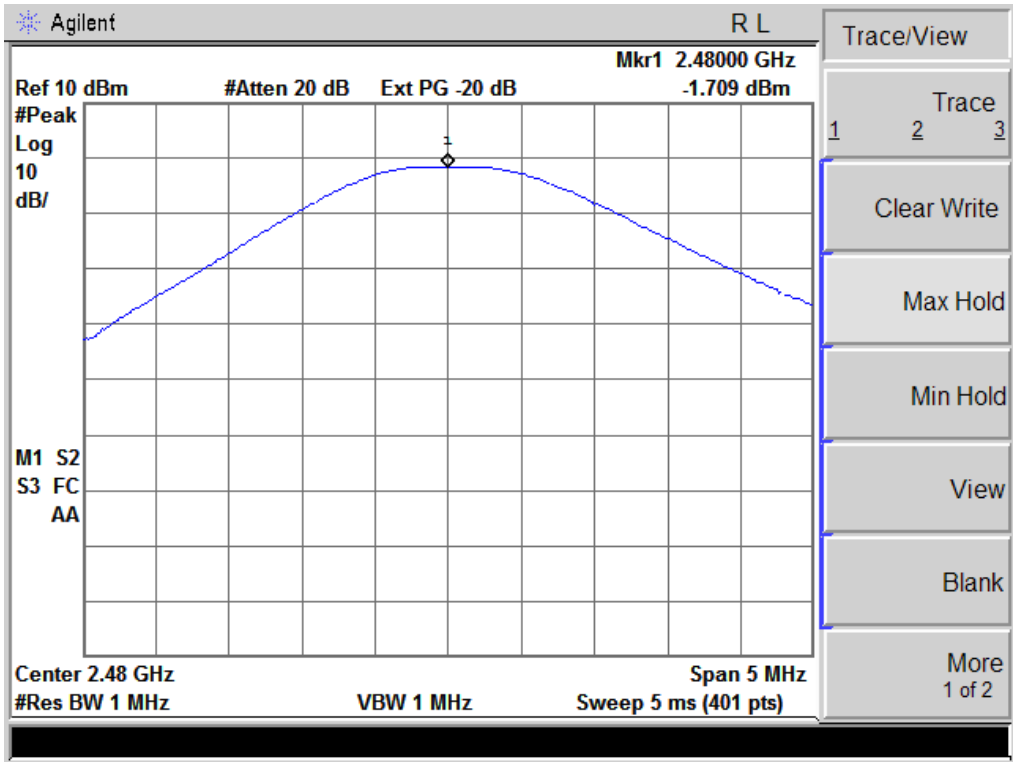
**CH00 -1Mbps**



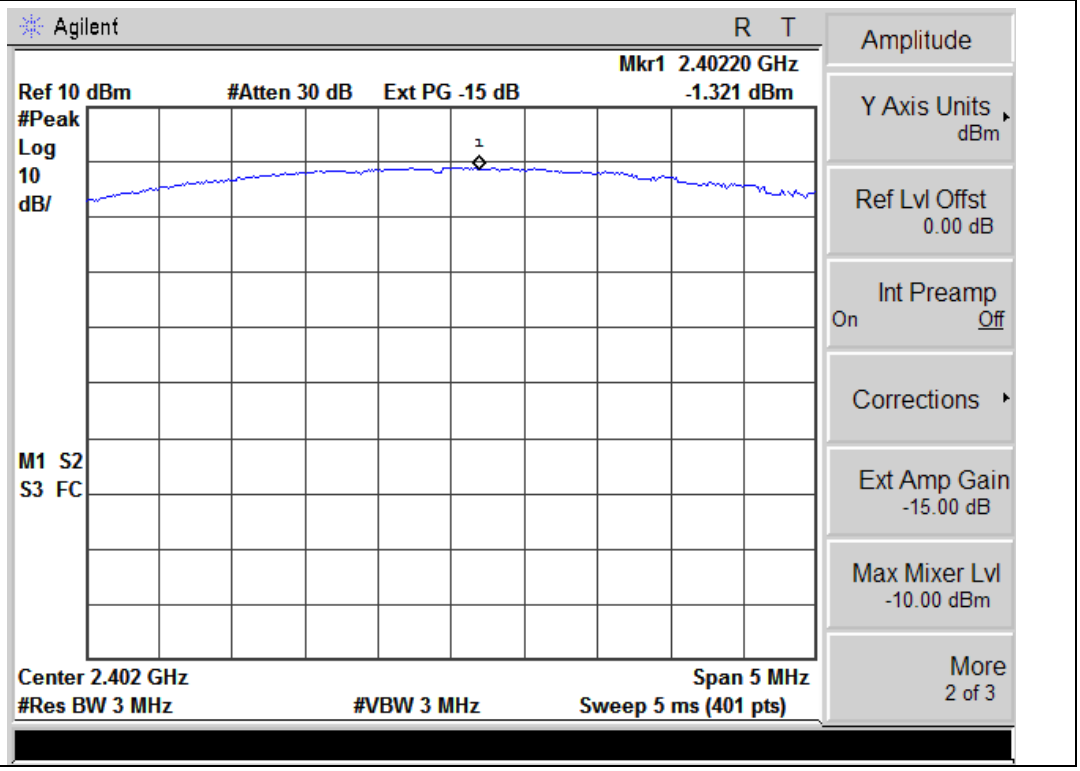
**CH39 -1Mbps**



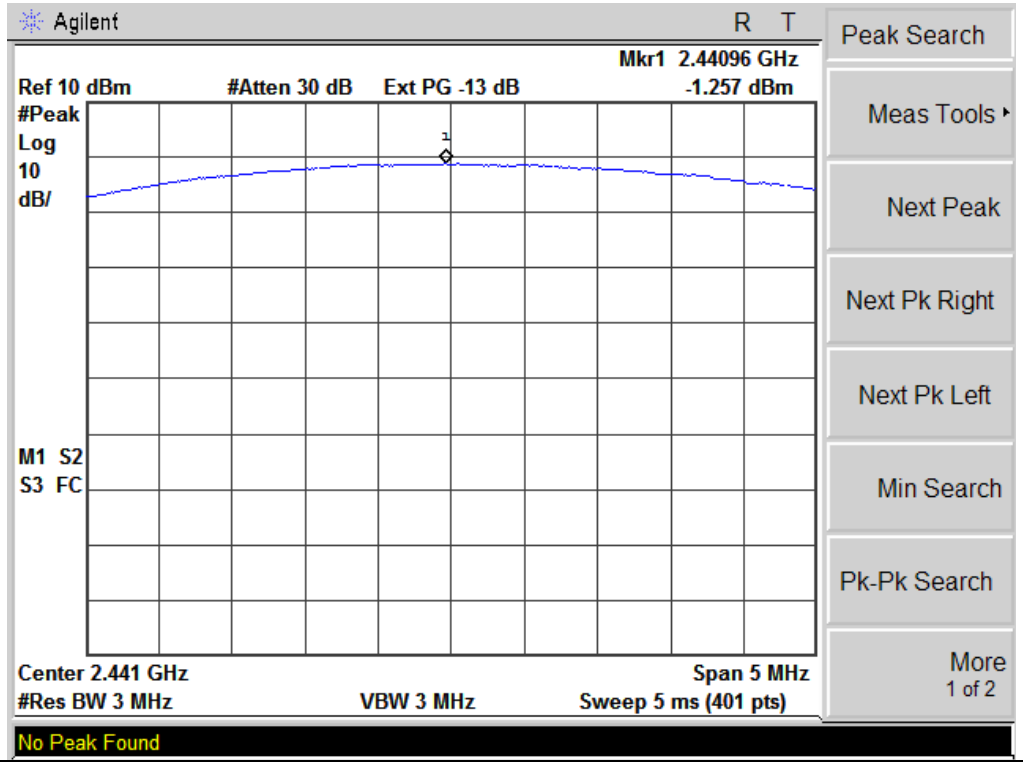

**CH78 -1Mbps**



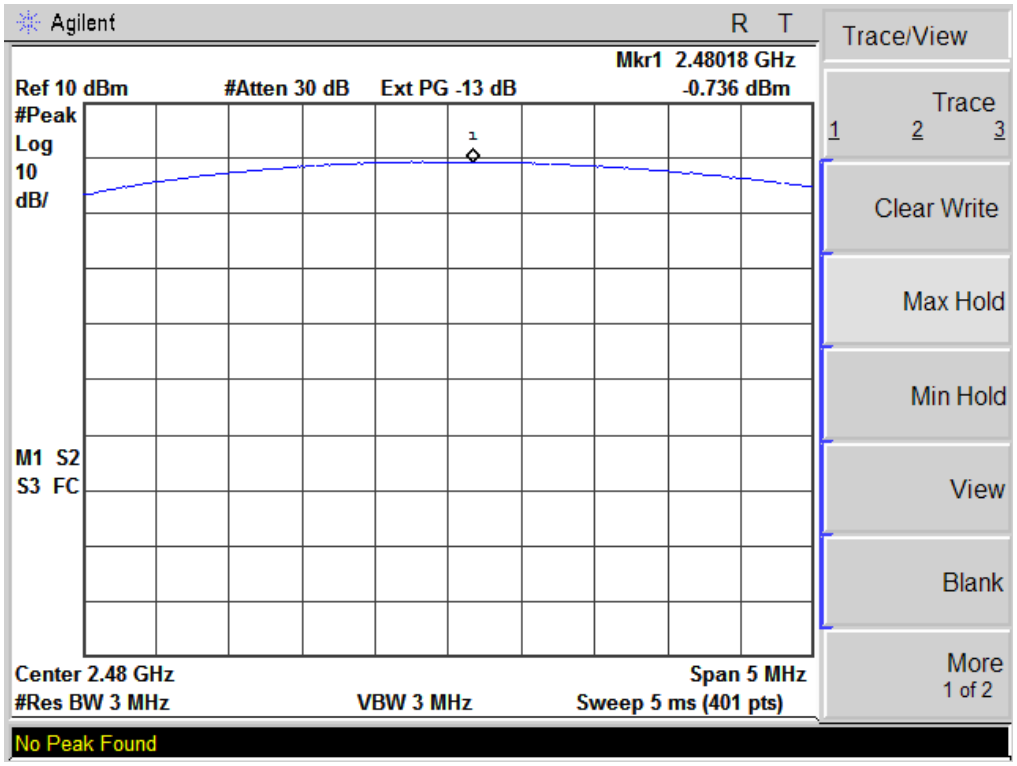
**CH00 -2Mbps**


Agilent
R T
Mkr1 2.40220 GHz
Ref 10 dBm
#Atten 30 dB
Ext PG -15 dB
-1.321 dBm
#Peak
Log
10
dB/
M1 S2
S3 FC
Center 2.402 GHz
Span 5 MHz
#Res BW 3 MHz
#VBW 3 MHz
Sweep 5 ms (401 pts)
Amplitude
Y Axis Units
dBm
Ref Lvl Offst
0.00 dB
Int Preamp
On Off
Corrections
Ext Amp Gain
-15.00 dB
Max Mixer Lvl
-10.00 dBm
More
2 of 3

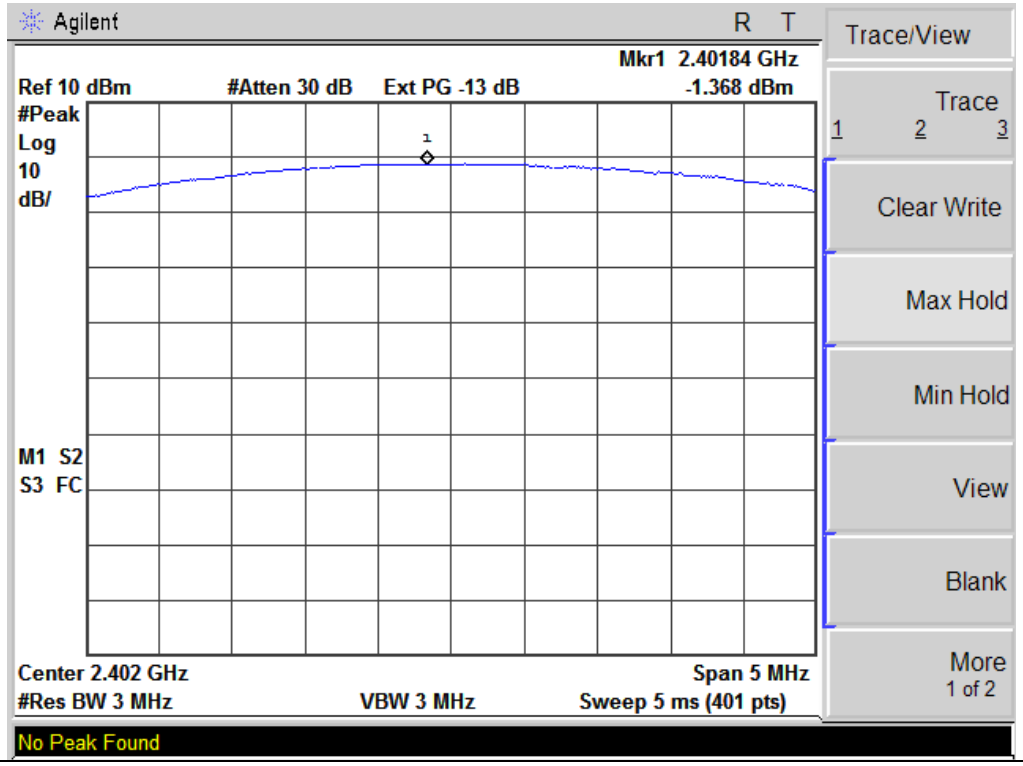
**CH39 -2Mbps**



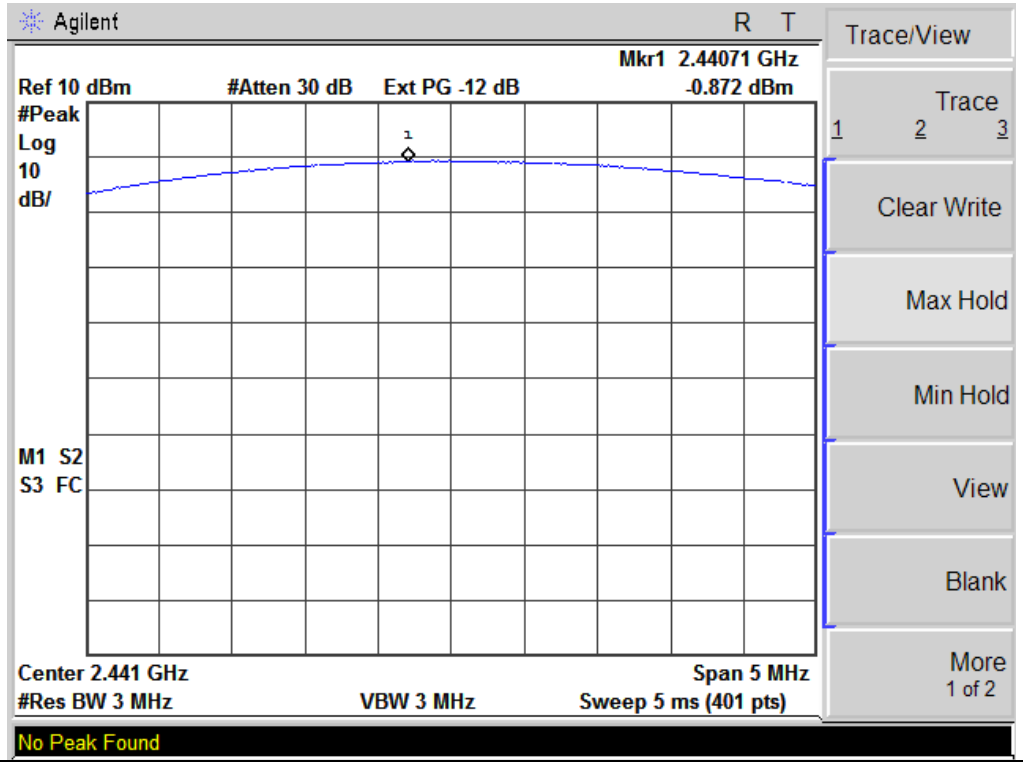

**CH78 -2Mbps**



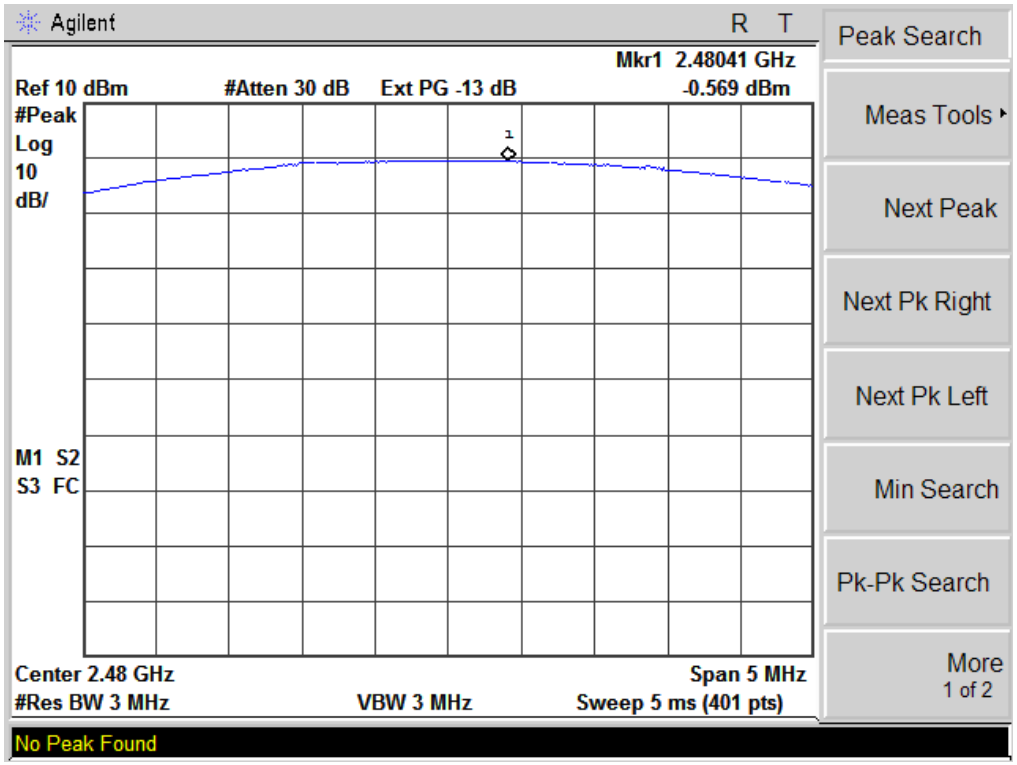
**CH00 -3Mbps**


Agilent
R T
Mkr1 2.40184 GHz
Ref 10 dBm
#Atten 30 dB
Ext PG -13 dB
-1.368 dBm
#Peak
Log
10
dB/
M1 S2
S3 FC
Center 2.402 GHz
#Res BW 3 MHz
VBW 3 MHz
Span 5 MHz
Sweep 5 ms (401 pts)
No Peak Found
Trace/View
Trace
1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More
1 of 2

**CH39 -3Mbps**




**CH78 -3Mbps**



# 9. ANTENNA REQUIREMENT

## 9.1 STANDARD REQUIREMENT

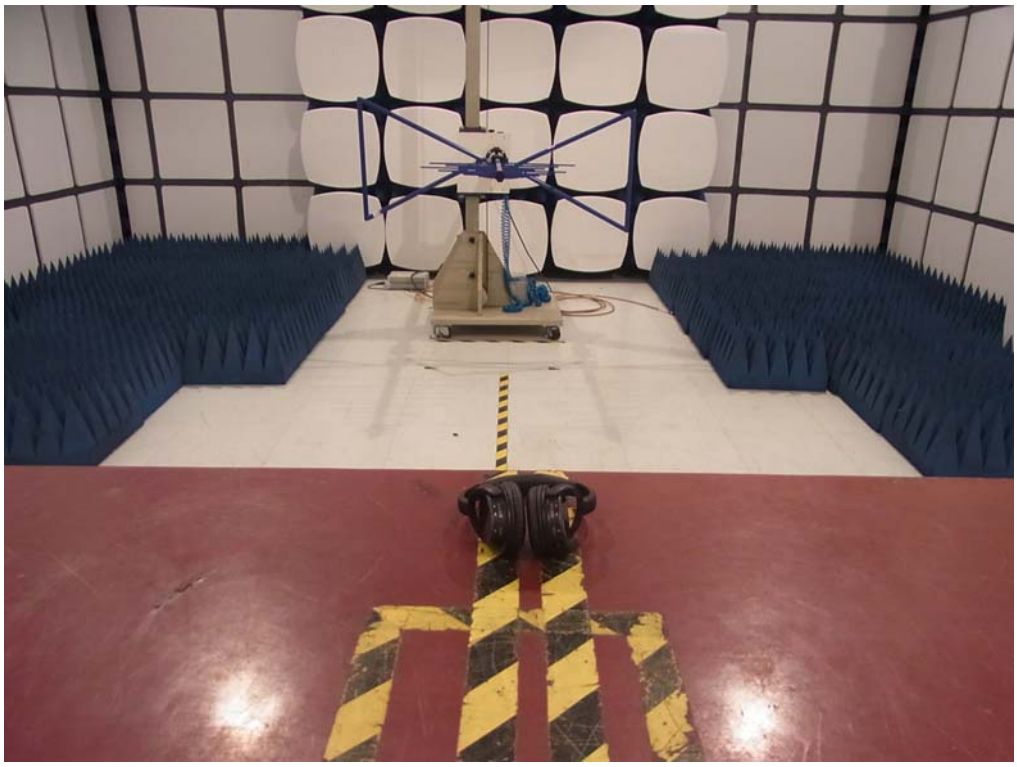
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

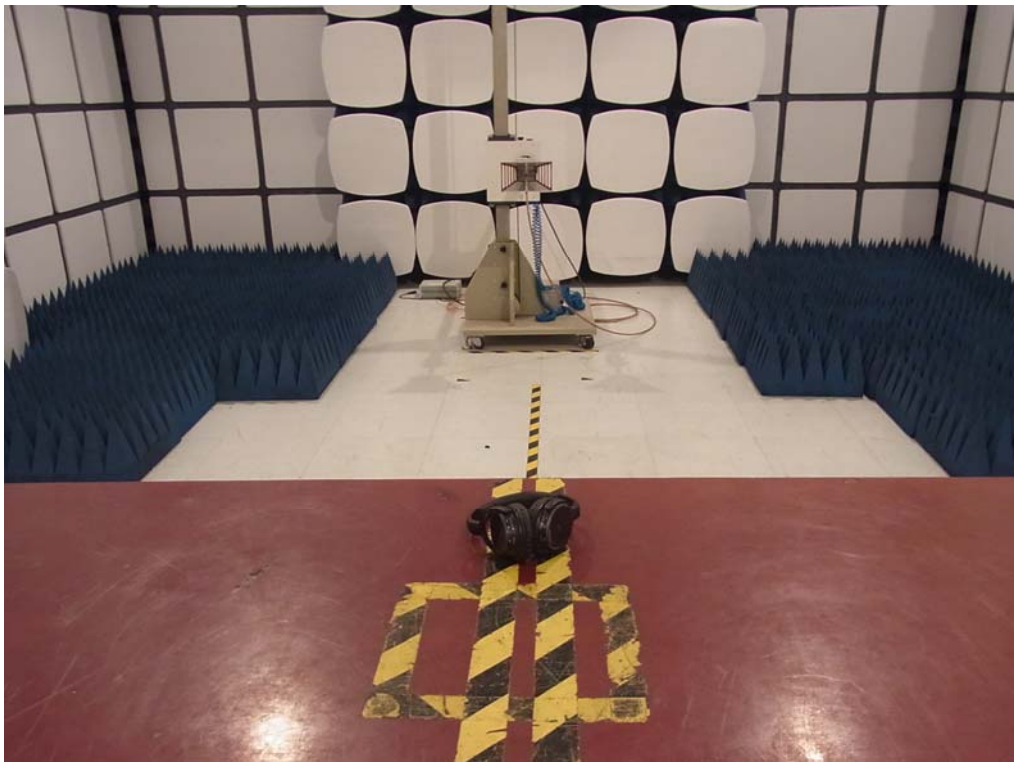
## 9.2 EUT ANTENNA

The EUT antenna is PCB antenna. It comply with the standard requirement.

## 10. EUT TEST PHOTO

**Radiated Measurement Photos**





**CONDUCTED EMISSION Photos**