

# FCC Part15 Subpart B Test Report

Product Name : Wireless Stereo Headphone  
Model No. : BackBeat PRO  
FCC ID : AL8-BBP  
IC : 457A-BBP

Applicant : Plantronics, Inc.

Address : 345 Encinal Street, Santa Cruz, CA95060 USA

Date of Receipt : Mar. 13, 2014  
Test Date : Mar. 13, 2014~ Apr. 01, 2014  
Issued Date : Apr. 25, 2014  
Report No. : 1430276R-RF-US-P01V03  
Report Version : V 1.1



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF, CNAS or any agency of the government.

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# Test Report Certification

Issued Date : Apr. 25, 2014

Report No. :1430276R-RF-US-P01V03



Product Name : Wireless Stereo Headphone

Applicant : Plantronics, Inc.

Address : 345 Encinal Street, Santa Cruz, CA95060 USA

Manufacturer : Weifang GoerTek Electronics Co.,Ltd.

Address : Weifang Free Trade Zone, Gaoxin 2 Road, High-Tech  
Industrial Development Zone, Weifang, Shandong Province,  
261205, China

Model No. : BackBeat PRO

FCC ID : AL8-BBP

IC : 457A-BBP

EUT Voltage : DC 3.7V

Brand Name : Plantronics

Applicable Standard : FCC Part 15 Subpart B: 2012 Class B  
ANSI C63.4: 2009  
ICES-003 Issue 5: 2012 Class B

Test Result : Complied

Performed Location : Suzhou EMC Laboratory  
No.99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech  
Development Zone., Suzhou, China  
TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098  
FCC Registration Number: 800392; IC Lab Code: 4075B

Documented By : Alice Ni

Reviewed By : Jame Yuan

Approved By : Jeff Chen

## Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted(audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scope:

|                      |          |                       |
|----------------------|----------|-----------------------|
| <b>Taiwan R.O.C.</b> | <b>:</b> | <b>BSMI, NCC, TAF</b> |
| <b>Germany</b>       | <b>:</b> | <b>TUV Rheinland</b>  |
| <b>Norway</b>        | <b>:</b> | <b>Nemko, DNV</b>     |
| <b>USA</b>           | <b>:</b> | <b>FCC</b>            |
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The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :  
<http://www.quietek.com/>

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

### **HsinChu Testing Laboratory :**

No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.  
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : [service@quietek.com](mailto:service@quietek.com)

### **Linkou Testing Laboratory :**

No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C.  
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : [service@quietek.com](mailto:service@quietek.com)

### **Suzhou Testing Laboratory :**

No.99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech Development Zone., SuZhou, China  
TEL : +86-512-6251-5088 / FAX : 86-512-6251-5098 E-Mail : [service@quietek.com](mailto:service@quietek.com)

## TABLE OF CONTENTS

| Description                               | Page |
|-------------------------------------------|------|
| 1. General Information.....               | 5    |
| 1.1. EUT Description.....                 | 5    |
| 1.2. Mode of Operation.....               | 8    |
| 1.3. Tested System Details .....          | 9    |
| 1.4. Configuration of Tested System ..... | 10   |
| 1.5. EUT Exercise Software.....           | 12   |
| 2. Technical Test .....                   | 13   |
| 2.1. Summary of Test Result.....          | 13   |
| 2.2. List of Test Equipment .....         | 14   |
| 2.3. Measurement Uncertainty.....         | 15   |
| 2.4. Test Environment.....                | 16   |
| 3. Conducted Emission.....                | 17   |
| 3.1. Test Specification.....              | 17   |
| 3.2. Test Setup.....                      | 17   |
| 3.3. Limit .....                          | 17   |
| 3.4. Test Procedure .....                 | 17   |
| 3.5. Deviation from Test Standard.....    | 18   |
| 3.6. Test Result.....                     | 19   |
| 4. Radiated Emission.....                 | 27   |
| 4.1. Test Specification.....              | 27   |
| 4.2. Test Setup.....                      | 27   |
| 4.3. Limit .....                          | 28   |
| 4.4. Test Procedure .....                 | 28   |
| 4.5. Deviation from Test Standard.....    | 29   |
| 4.6. Test Result.....                     | 30   |

## 1. General Information

### 1.1. EUT Description

|                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| Product Name            | Wireless Stereo Headphone                                                                            |
| Brand Name              | Plantronics                                                                                          |
| Model No.               | BackBeat PRO                                                                                         |
| Working Voltage         | DC 3.7V                                                                                              |
| Bluetooth Specification | 3.0HS + Version 4.0                                                                                  |
| Frequency Range         | 2402- 2480 MHz                                                                                       |
| Channel Number          | V3.0+HS: 79<br>V4.0: 40                                                                              |
| Channel Separation      | V3.0+HS: 1MHz<br>V4.0: 2MHz                                                                          |
| Type of Modulation      | V3.0+HS: GFSK, Pi/4 DQPSK, 8DPSK<br>V4.0: GFSK                                                       |
| Data Rate               | V3.0+HS: 1Mbps(GFSK), 2Mbps(Pi/4 DQPSK), 3Mbps (8DPSK)<br>V4.0: 1Mbps(GFSK)                          |
| Antenna Type            | Reference to Antenna List                                                                            |
| Peak Antenna Gain       | Reference to Antenna List                                                                            |
| Adapter                 | Brand Name: Plantronics<br>M/N:SSC-4W5 050075<br>Input: 100-240V 50/60Hz 0.2A<br>Output: 5.0V, 750mA |

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

| Bluetooth Working Frequency of Each Channel: (For V4.0) |           |         |           |         |           |         |           |
|---------------------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                                                 | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 00                                                      | 2402 MHz  | 01      | 2404 MHz  | 02      | 2406 MHz  | 03      | 2408 MHz  |
| 04                                                      | 2410 MHz  | 05      | 2412 MHz  | 06      | 2414 MHz  | 07      | 2416 MHz  |
| 08                                                      | 2418 MHz  | 09      | 2420 MHz  | 10      | 2422 MHz  | 11      | 2424 MHz  |
| 12                                                      | 2426 MHz  | 13      | 2428 MHz  | 14      | 2430 MHz  | 15      | 2432 MHz  |
| 16                                                      | 2434 MHz  | 17      | 2436 MHz  | 18      | 2438 MHz  | 19      | 2440 MHz  |
| 20                                                      | 2442 MHz  | 21      | 2444 MHz  | 22      | 2446 MHz  | 23      | 2448 MHz  |
| 24                                                      | 2450 MHz  | 25      | 2452 MHz  | 26      | 2454 MHz  | 27      | 2456 MHz  |
| 28                                                      | 2458 MHz  | 29      | 2460 MHz  | 30      | 2462 MHz  | 31      | 2464 MHz  |
| 32                                                      | 2466 MHz  | 33      | 2468 MHz  | 34      | 2470 MHz  | 35      | 2472 MHz  |
| 36                                                      | 2474 MHz  | 37      | 2476 MHz  | 38      | 2478 MHz  | 39      | 2480 MHz  |

### Bluetooth Antenna List

| Antenna     | Manufacturer | Model No.   | Peak Gain          |
|-------------|--------------|-------------|--------------------|
| PCB antenna | Goertek      | IFA antenna | 2.61dBi for 2.4GHz |

## 1.2. Mode of Operation

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

| Test Mode               |
|-------------------------|
| Mode 1: Receive by DH5  |
| Mode 2: Receive by 2DH5 |
| Mode 3: Receive by 3DH5 |
| Mode4 : Receive by BLE  |

Note:

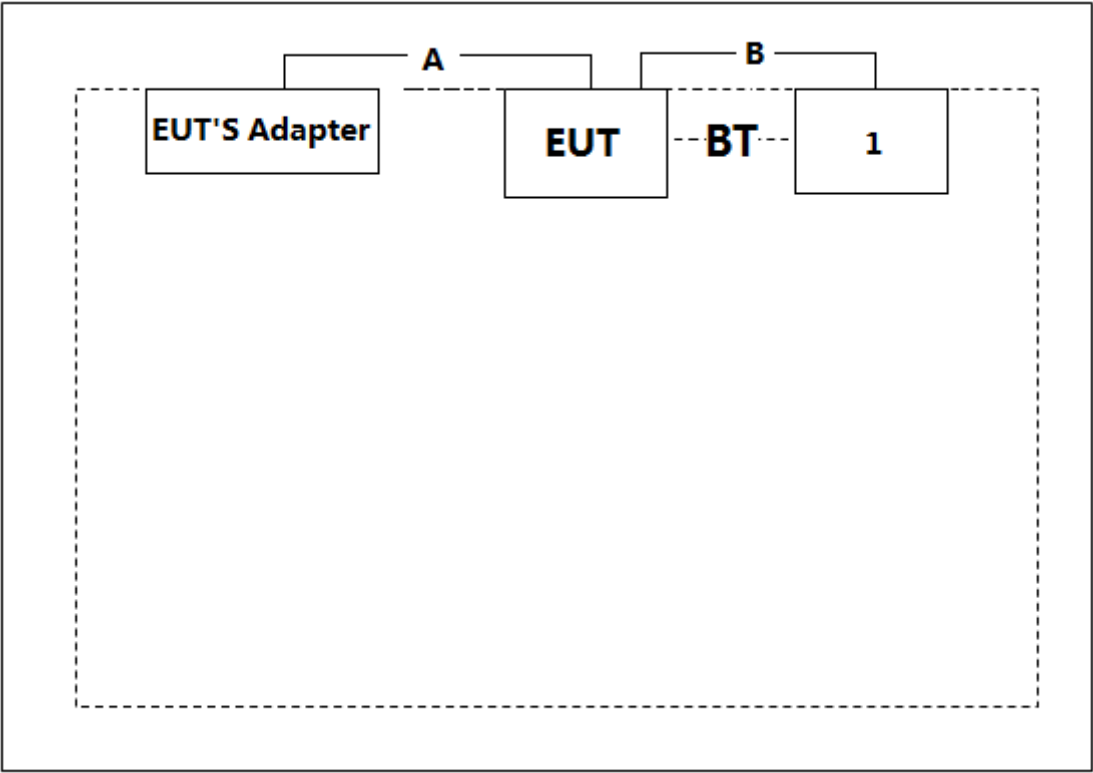
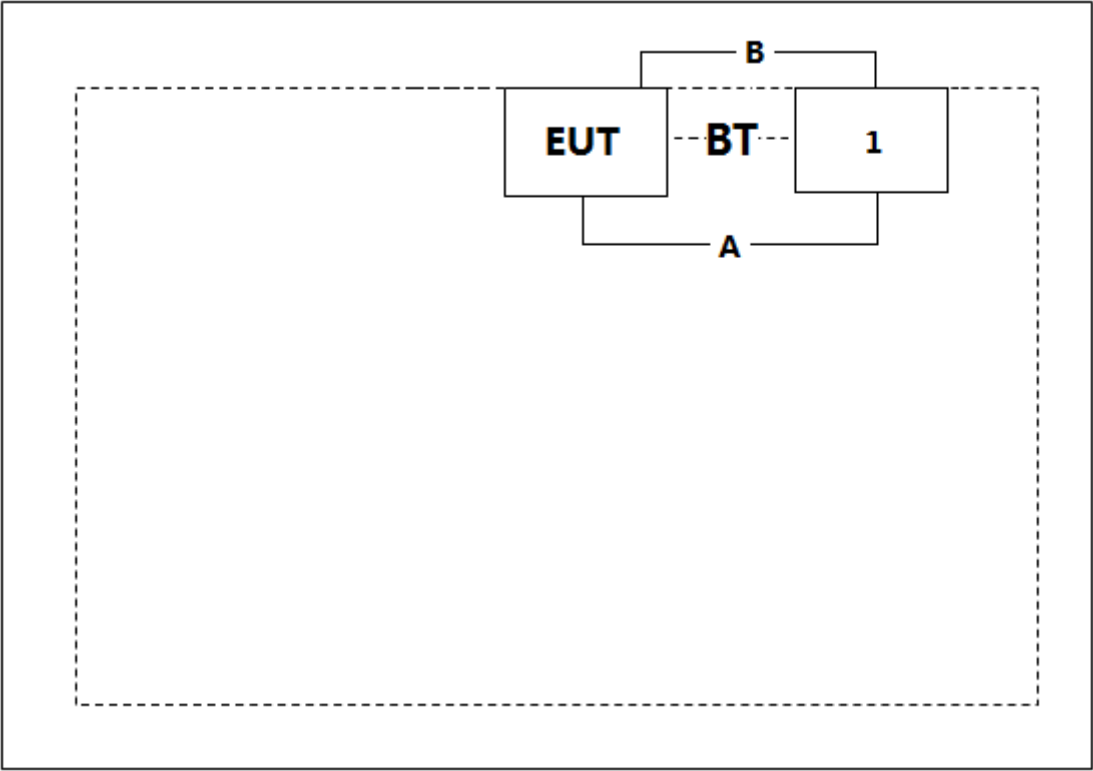
1. Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.
2. For portable device, radiated spurious emission was verified over X, Y, Z Axis, and shown the worst case on this report.

### 1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Product |          | Manufacturer | Model No.     | Serial No. | Power Cord         |
|---------|----------|--------------|---------------|------------|--------------------|
| 1       | Notebook | ThinkPad     | ThinkPad X220 | N/A        | Non-Shielded, 1.8m |

1.4. Configuration of Tested System

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Connection Diagram (Mode 1 & 3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
|  <p>The diagram shows a dashed rectangular box containing four components: 'EUT'S Adapter', 'EUT', 'BT', and '1'. A solid line labeled 'A' connects the top of 'EUT'S Adapter' to the top of 'EUT'. Another solid line labeled 'B' connects the top of 'EUT' to the top of '1'. A dashed line connects the right side of 'EUT' to the left side of 'BT', and another dashed line connects the right side of 'BT' to the left side of '1'.</p> |                          |
| Connection Diagram (Mode 2 & 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
|  <p>The diagram shows a dashed rectangular box containing three components: 'EUT', 'BT', and '1'. A solid line labeled 'B' connects the top of 'EUT' to the top of '1'. Another solid line labeled 'A' connects the bottom of 'EUT' to the bottom of '1'. A dashed line connects the right side of 'EUT' to the left side of 'BT', and another dashed line connects the right side of 'BT' to the left side of '1'.</p>                      |                          |
| Signal Cable Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Signal cable Description |

|   |             |                |
|---|-------------|----------------|
| A | USB Cable   | Shielded, 1.5m |
| B | Audio Cable | Shielded, 1.5m |

### 1.5. EUT Exercise Software

|   |                                                                                                                     |
|---|---------------------------------------------------------------------------------------------------------------------|
| 1 | Setup the EUT and simulators as shown on above.                                                                     |
| 2 | Turn on the power of all equipment.                                                                                 |
| 3 | Run the RF test software "Blue Test 3", and set the test mode and channel, then press OK to start continue receive. |

## 2. Technical Test

### 2.1. Summary of Test Result

- ☒ No deviations from the test standards
- ☐ Deviations from the test standards as below description:

| Emission            |                                                                      |                |           |
|---------------------|----------------------------------------------------------------------|----------------|-----------|
| Performed Test Item | Normative References                                                 | Test Performed | Deviation |
| Conducted Emission  | FCC CFR Title 47 Part 15 Subpart B: 2012 Class B<br>ANSI C63.4: 2009 | Yes            | No        |
| Radiated Emission   | FCC CFR Title 47 Part 15 Subpart B: 2012 Class B<br>ANSI C63.4: 2009 | Yes            | No        |

## 2.2. List of Test Equipment

### Conducted Emission / TR-1

| Instrument                      | Manufacturer | Type No.    | Serial No  | Cali. Due Date |
|---------------------------------|--------------|-------------|------------|----------------|
| EMI Test Receiver               | R&S          | ESCI        | 100906     | 2015/01/07     |
| Two-Line V-Network              | R&S          | ENV216      | 101043     | 2014/03/30     |
| Two-Line V-Network              | R&S          | ENV216      | 101044     | 2014/09/16     |
| Impedance Stabilization Network | Teseq GmbH   | ISN T800    | 30306      | 2015/02/20     |
| Impedance Stabilization Network | Teseq GmbH   | ISN T8-Cat6 | 29680      | 2015/02/20     |
| Impedance Stabilization Network | Teseq GmbH   | ISN ST08    | 31281      | 2015/02/20     |
| Current Probe                   | R&S          | EZ-17       | 100255     | 2014/03/30     |
| 50ohm Coaxial Switch            | Anritsu      | MP59B       | 6200464462 | 2015/03/01     |
| 50ohm Termination               | SHX          | TF2         | 07081401   | 2014/09/16     |
| 50ohm Termination               | SHX          | TF2         | 07081402   | 2014/09/16     |
| 50ohm Termination               | SHX          | TF2         | 07081403   | 2014/09/16     |
| Temperature/Humidity Meter      | zhicheng     | ZC1-2       | TR1-TH     | 2015/01/08     |

### Radiated Emission / AC-2

| Instrument                 | Manufacturer | Type No.     | Serial No. | Cali. Due Date |
|----------------------------|--------------|--------------|------------|----------------|
| EMI Test Receiver          | R&S          | ESCI         | 100573     | 2014/03/30     |
| Bilog Antenna              | Teseq GmbH   | CBL6112D     | 27611      | 2014/10/15     |
| Coaxial Cable              | Huber+Suhner | SUCOFLEX 106 | AC2-C      | 2015/03/01     |
| Temperature/Humidity Meter | Zhicheng     | ZC1-2        | AC2-TH     | 2015/01/08     |

### Radiated Emission / AC-5

| Instrument                 | Manufacturer | Type No.     | Serial No.  | Cali. Due Date |
|----------------------------|--------------|--------------|-------------|----------------|
| Spectrum Analyzer          | Agilent      | N9010A       | MY48030494  | 2014/03/30     |
| Preamplifier               | Miteq        | NSP1800-25   | 1364185     | 2014/05/03     |
| Preamplifier               | Quietek      | AP-040G      | CHM-0906001 | 2014/05/03     |
| Bilog Antenna              | Teseq GmbH   | CBL6112D     | 27612       | 2014/10/15     |
| Broad-Band Horn Antenna    | Schwarzbeck  | BBHA9120D    | 737         | 2014/11/24     |
| Broad-Band Horn Antenna    | Schwarzbeck  | BBHA9170     | 294         | 2014/11/24     |
| Coaxial Cable              | Huber+Suhner | SUCOFLEX 106 | AC5-C1      | 2015/03/01     |
| Coaxial Cable              | Huber+Suhner | SUCOFLEX 106 | AC5-C2      | 2015/03/01     |
| Coaxial Cable              | Huber+Suhner | SUCOFLEX 102 | AC5-C3      | 2015/03/01     |
| Temperature/Humidity Meter | Zhicheng     | ZC1-2        | AC5-TH      | 2015/01/08     |

### **2.3. Measurement Uncertainty**

#### Conducted Emission

The measurement uncertainty is evaluated as  $\pm 2.26$  dB.

#### Radiated Emission

The measurement uncertainty is evaluated as  $\pm 3.19$  dB.

## 2.4. Test Environment

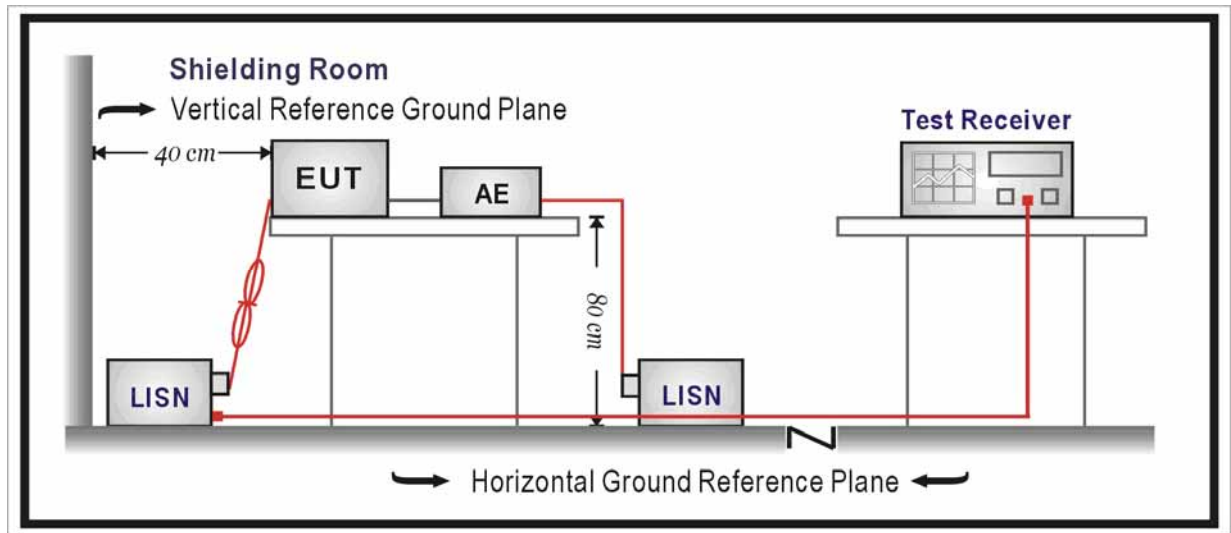
| Performed Item     | Items                      | Required | Actual   |
|--------------------|----------------------------|----------|----------|
| Conducted Emission | Temperature (°C)           | 15-35    | 25       |
|                    | Humidity (%RH)             | 25-75    | 47       |
|                    | Barometric pressure (mbar) | 860-1060 | 950-1000 |
| Radiated Emission  | Temperature (°C)           | 15-35    | 28       |
|                    | Humidity (%RH)             | 25-75    | 46       |
|                    | Barometric pressure (mbar) | 860-1060 | 950-1000 |

### 3. Conducted Emission

#### 3.1. Test Specification

According to EMC Standard: FCC Part 15 Subpart B Class B, ANSI C63.4

#### 3.2. Test Setup



#### 3.3. Limit

| FCC Part 15 Subpart B Paragraph 15.107 Limits |           |           |
|-----------------------------------------------|-----------|-----------|
| Frequency (MHz)                               | QP (dBuV) | AV (dBuV) |
| 0.15 - 0.50                                   | 66 - 56   | 56 - 46   |
| 0.50 - 5.0                                    | 56        | 46        |
| 5.0 - 30                                      | 60        | 50        |

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

#### 3.4. Test Procedure

The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the

EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

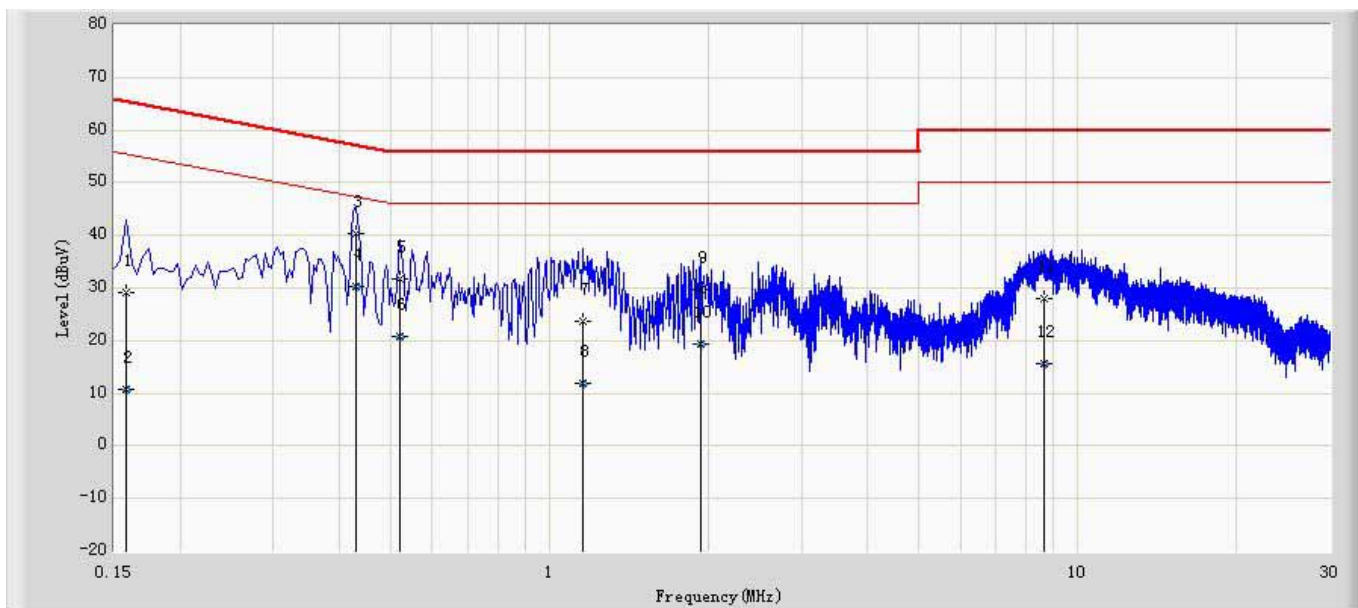
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

### **3.5. Deviation from Test Standard**

No deviation.

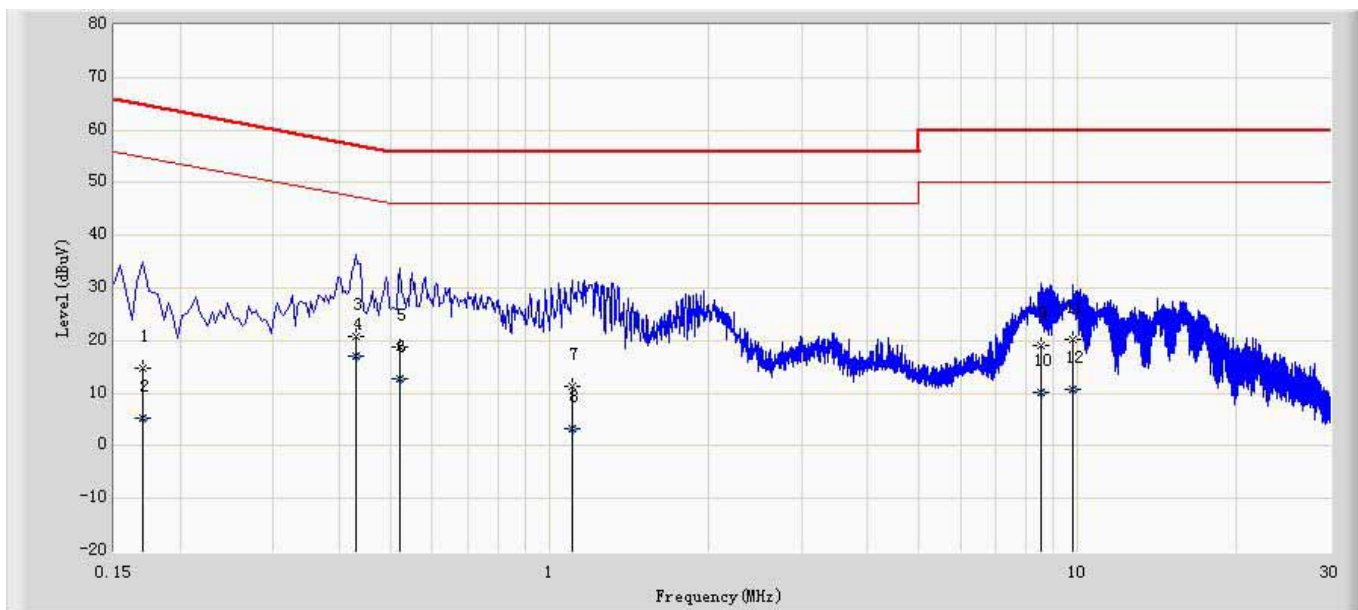
### 3.6. Test Result

|                                                          |                          |
|----------------------------------------------------------|--------------------------|
| Site: TR1                                                | Time: 2014/03/26 - 17:15 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB                 | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                        | Polarity: Neutral        |
| EUT: Wireless Stereo Headphone                           | Power: AC 120V/60Hz      |
| Note: Mode1: Charging by Adapter and playing music by BT |                          |



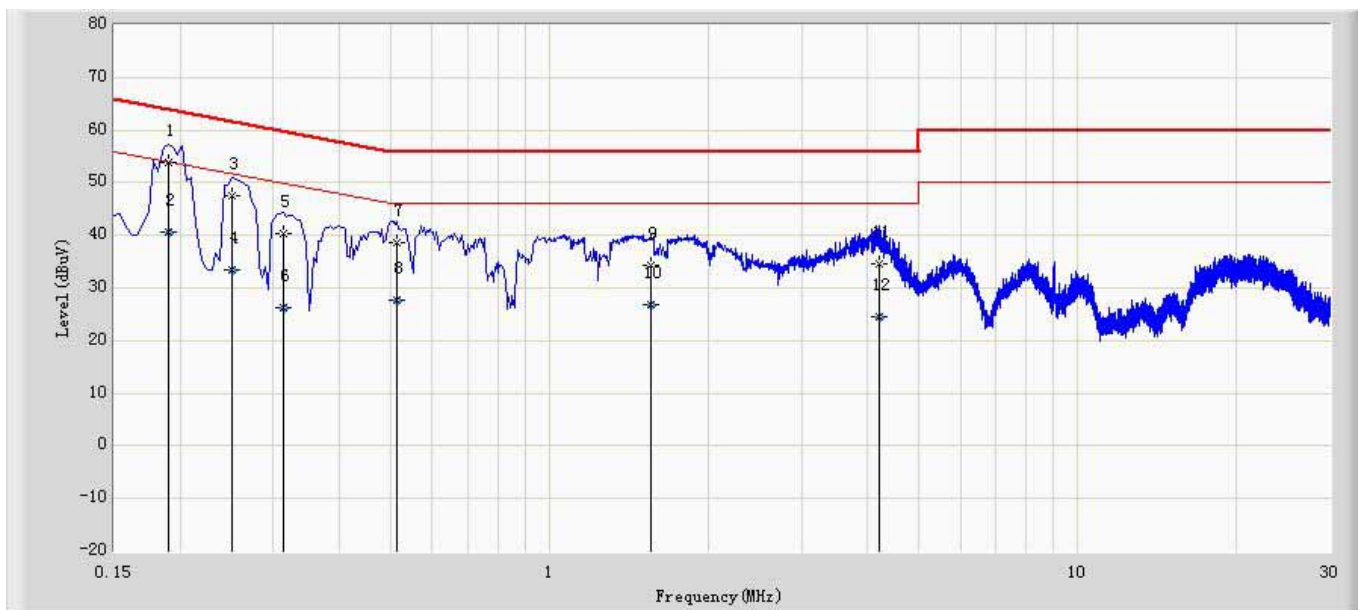
| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.158           | 29.218               | 19.227               | -36.350         | 65.568       | 9.991       | QP   |
| 2  |      | 0.158           | 10.717               | 0.727                | -44.851         | 55.568       | 9.991       | AV   |
| 3  |      | 0.430           | 40.268               | 30.244               | -16.985         | 57.253       | 10.025      | QP   |
| 4  | *    | 0.430           | 30.336               | 20.312               | -16.917         | 47.253       | 10.025      | AV   |
| 5  |      | 0.522           | 31.746               | 21.706               | -24.254         | 56.000       | 10.040      | QP   |
| 6  |      | 0.522           | 20.800               | 10.760               | -25.200         | 46.000       | 10.040      | AV   |
| 7  |      | 1.154           | 23.803               | 13.780               | -32.197         | 56.000       | 10.023      | QP   |
| 8  |      | 1.154           | 11.975               | 1.952                | -34.025         | 46.000       | 10.023      | AV   |
| 9  |      | 1.930           | 29.725               | 19.767               | -26.275         | 56.000       | 9.958       | QP   |
| 10 |      | 1.930           | 19.482               | 9.524                | -26.518         | 46.000       | 9.958       | AV   |
| 11 |      | 8.662           | 28.073               | 17.753               | -31.927         | 60.000       | 10.320      | QP   |
| 12 |      | 8.662           | 15.622               | 5.303                | -34.378         | 50.000       | 10.320      | AV   |

|                                                          |                          |
|----------------------------------------------------------|--------------------------|
| Site: TR1                                                | Time: 2014/03/26 - 17:15 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB                 | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                        | Polarity: Line           |
| EUT: Wireless Stereo Headphone                           | Power: AC 120V/60Hz      |
| Note: Mode1: Charging by Adapter and playing music by BT |                          |



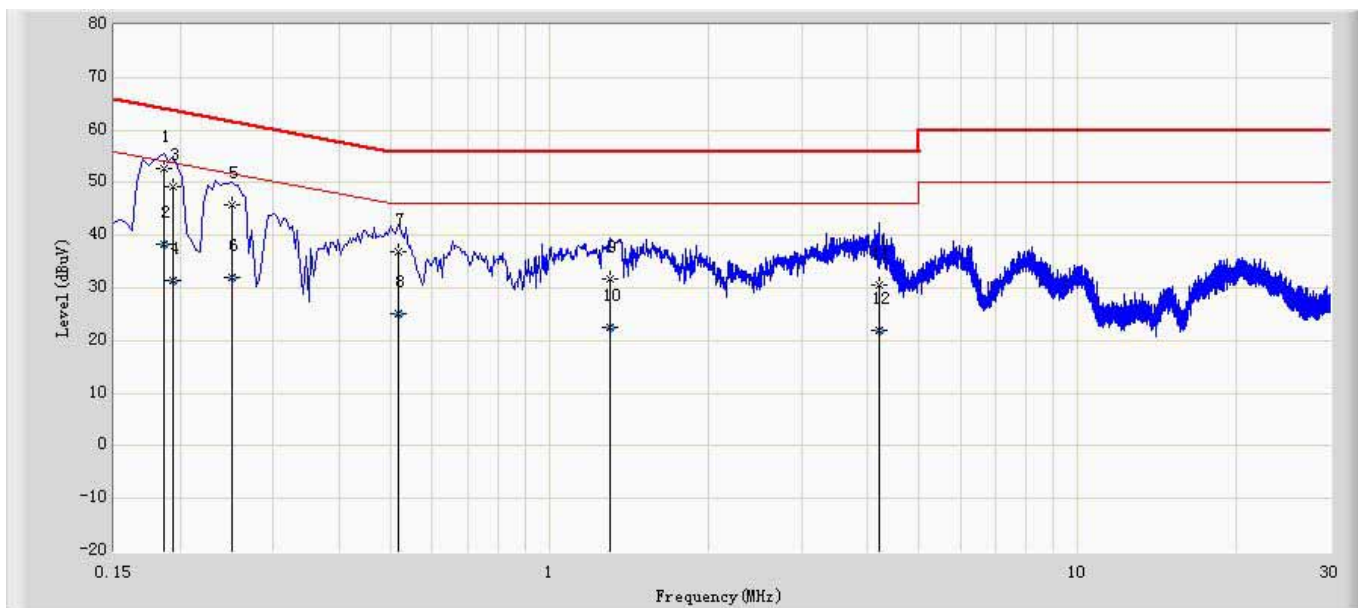
| No | Mark | Frequency<br>(MHz) | Measure Level<br>(dBuV) | Reading Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV) | Factor<br>(dB) | Type |
|----|------|--------------------|-------------------------|-------------------------|--------------------|-----------------|----------------|------|
| 1  |      | 0.170              | 14.828                  | 4.977                   | -50.132            | 64.960          | 9.851          | QP   |
| 2  |      | 0.170              | 5.336                   | -4.515                  | -49.624            | 54.960          | 9.851          | AV   |
| 3  |      | 0.430              | 20.679                  | 10.778                  | -36.574            | 57.253          | 9.901          | QP   |
| 4  | *    | 0.430              | 16.931                  | 7.030                   | -30.322            | 47.253          | 9.901          | AV   |
| 5  |      | 0.522              | 18.852                  | 8.950                   | -37.148            | 56.000          | 9.902          | QP   |
| 6  |      | 0.522              | 12.810                  | 2.908                   | -33.190            | 46.000          | 9.902          | AV   |
| 7  |      | 1.102              | 11.371                  | 1.566                   | -44.629            | 56.000          | 9.806          | QP   |
| 8  |      | 1.102              | 3.149                   | -6.657                  | -42.851            | 46.000          | 9.806          | AV   |
| 9  |      | 8.530              | 19.134                  | 9.174                   | -40.866            | 60.000          | 9.960          | QP   |
| 10 |      | 8.530              | 10.094                  | 0.134                   | -39.906            | 50.000          | 9.960          | AV   |
| 11 |      | 9.766              | 20.232                  | 10.242                  | -39.768            | 60.000          | 9.990          | QP   |
| 12 |      | 9.766              | 10.769                  | 0.779                   | -39.231            | 50.000          | 9.990          | AV   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Site: TR1                                            | Time: 2014/04/19 - 11:09 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB             | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                    | Polarity: Line           |
| EUT: Wireless Stereo Headphone                       | Power: AC 120V/60Hz      |
| Note: Mode 2: Charging by PC and playing music by BT |                          |



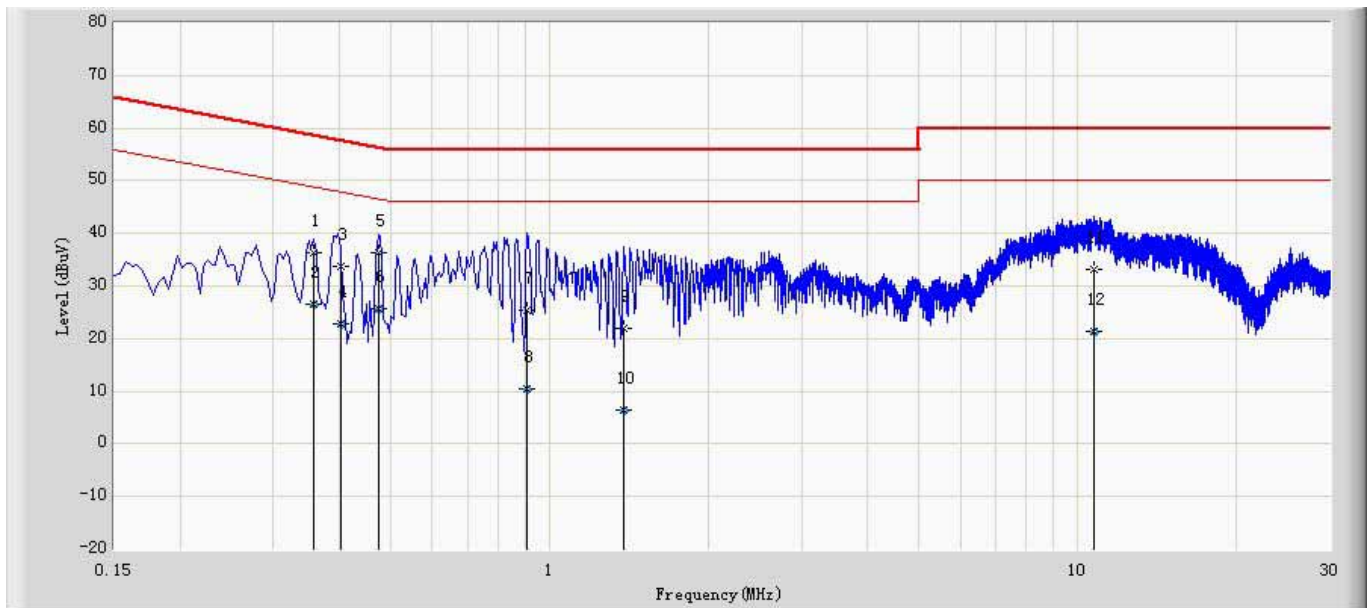
| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  | *    | 0.190           | 53.829               | 43.971               | -10.208         | 64.037       | 9.858       | QP   |
| 2  |      | 0.190           | 40.555               | 30.697               | -13.482         | 54.037       | 9.858       | AV   |
| 3  |      | 0.250           | 47.642               | 37.774               | -14.115         | 61.757       | 9.867       | QP   |
| 4  |      | 0.250           | 33.471               | 23.604               | -18.286         | 51.757       | 9.867       | AV   |
| 5  |      | 0.314           | 40.236               | 30.360               | -19.628         | 59.864       | 9.876       | QP   |
| 6  |      | 0.314           | 26.138               | 16.262               | -23.726         | 49.864       | 9.876       | AV   |
| 7  |      | 0.514           | 38.754               | 28.850               | -17.246         | 56.000       | 9.904       | QP   |
| 8  |      | 0.514           | 27.691               | 17.787               | -18.309         | 46.000       | 9.904       | AV   |
| 9  |      | 1.558           | 34.230               | 24.432               | -21.770         | 56.000       | 9.797       | QP   |
| 10 |      | 1.558           | 26.871               | 17.073               | -19.129         | 46.000       | 9.797       | AV   |
| 11 |      | 4.206           | 34.593               | 24.756               | -21.407         | 56.000       | 9.837       | QP   |
| 12 |      | 4.206           | 24.670               | 14.833               | -21.330         | 46.000       | 9.837       | AV   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Site: TR1                                            | Time: 2014/04/19 - 11:09 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB             | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                    | Polarity: Neutral        |
| EUT: Wireless Stereo Headphone                       | Power: AC 120V/60Hz      |
| Note: Mode 2: Charging by PC and playing music by BT |                          |



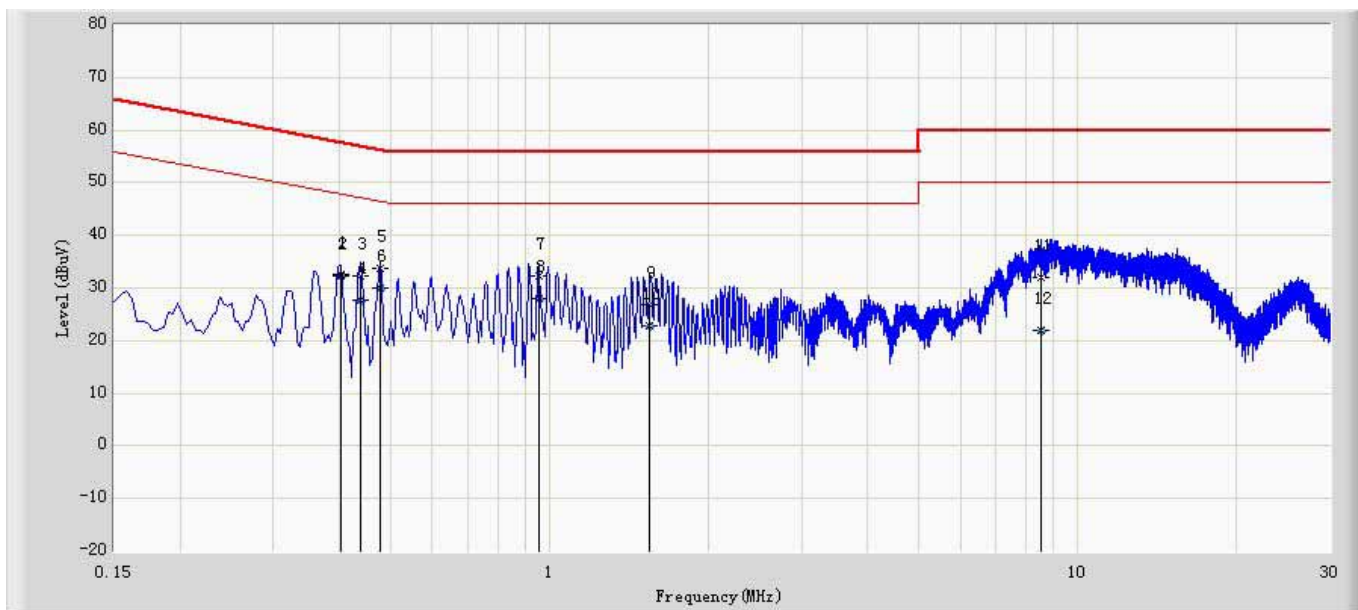
| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  | *    | 0.186           | 52.581               | 42.647               | -11.632         | 64.213       | 9.934       | QP   |
| 2  |      | 0.186           | 38.245               | 28.311               | -15.968         | 54.213       | 9.934       | AV   |
| 3  |      | 0.194           | 49.235               | 39.311               | -14.629         | 63.864       | 9.924       | QP   |
| 4  |      | 0.194           | 31.330               | 21.406               | -22.534         | 53.864       | 9.924       | AV   |
| 5  |      | 0.250           | 45.897               | 35.973               | -15.860         | 61.757       | 9.925       | QP   |
| 6  |      | 0.250           | 32.050               | 22.126               | -19.707         | 51.757       | 9.925       | AV   |
| 7  |      | 0.518           | 36.830               | 26.787               | -19.170         | 56.000       | 10.043      | QP   |
| 8  |      | 0.518           | 24.997               | 14.954               | -21.003         | 46.000       | 10.043      | AV   |
| 9  |      | 1.306           | 31.806               | 21.800               | -24.194         | 56.000       | 10.006      | QP   |
| 10 |      | 1.306           | 22.557               | 12.551               | -23.443         | 46.000       | 10.006      | AV   |
| 11 |      | 4.202           | 30.606               | 20.550               | -25.394         | 56.000       | 10.056      | QP   |
| 12 |      | 4.202           | 21.930               | 11.874               | -24.070         | 46.000       | 10.056      | AV   |

|                                                                   |                          |
|-------------------------------------------------------------------|--------------------------|
| Site: TR1                                                         | Time: 2014/04/29 - 10:48 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB                          | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                                 | Polarity: Neutral        |
| EUT: Wireless Stereo Headphone                                    | Power: AC 120V/60Hz      |
| Note: Mode3: Charging by Adapter and playing music by Audio Cable |                          |



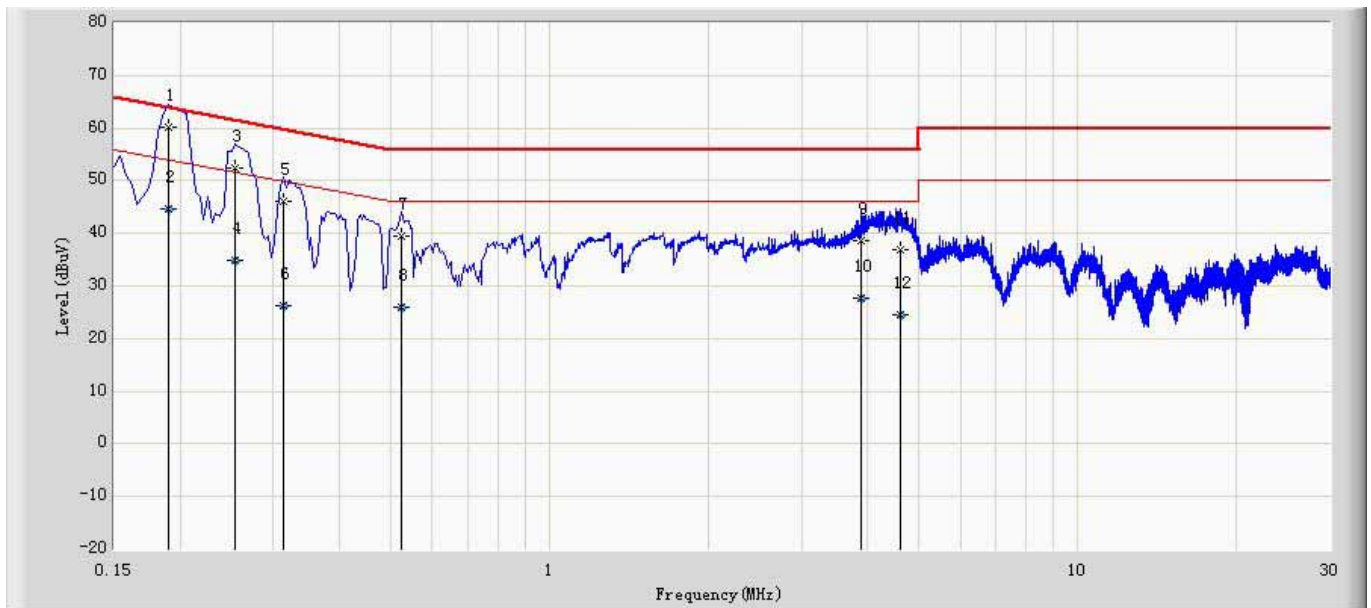
| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.358           | 36.458               | 26.479               | -22.317         | 58.775       | 9.979       | QP   |
| 2  |      | 0.358           | 26.534               | 16.555               | -22.241         | 48.775       | 9.979       | AV   |
| 3  |      | 0.402           | 33.805               | 23.800               | -24.007         | 57.812       | 10.006      | QP   |
| 4  |      | 0.402           | 22.690               | 12.684               | -25.122         | 47.812       | 10.006      | AV   |
| 5  | *    | 0.474           | 36.462               | 26.416               | -19.982         | 56.444       | 10.047      | QP   |
| 6  |      | 0.474           | 25.778               | 15.731               | -20.666         | 46.444       | 10.047      | AV   |
| 7  |      | 0.906           | 25.401               | 15.408               | -30.599         | 56.000       | 9.993       | QP   |
| 8  |      | 0.906           | 10.425               | 0.432                | -35.575         | 46.000       | 9.993       | AV   |
| 9  |      | 1.382           | 22.054               | 12.046               | -33.946         | 56.000       | 10.008      | QP   |
| 10 |      | 1.382           | 6.300                | -3.708               | -39.700         | 46.000       | 10.008      | AV   |
| 11 |      | 10.706          | 33.205               | 22.849               | -26.795         | 60.000       | 10.356      | QP   |
| 12 |      | 10.706          | 21.419               | 11.063               | -28.581         | 50.000       | 10.356      | AV   |

|                                                                   |                          |
|-------------------------------------------------------------------|--------------------------|
| Site: TR1                                                         | Time: 2014/04/29 - 10:48 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB                          | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                                 | Polarity: Line           |
| EUT: Wireless Stereo Headphone                                    | Power: AC 120V/60Hz      |
| Note: Mode3: Charging by Adapter and playing music by Audio Cable |                          |



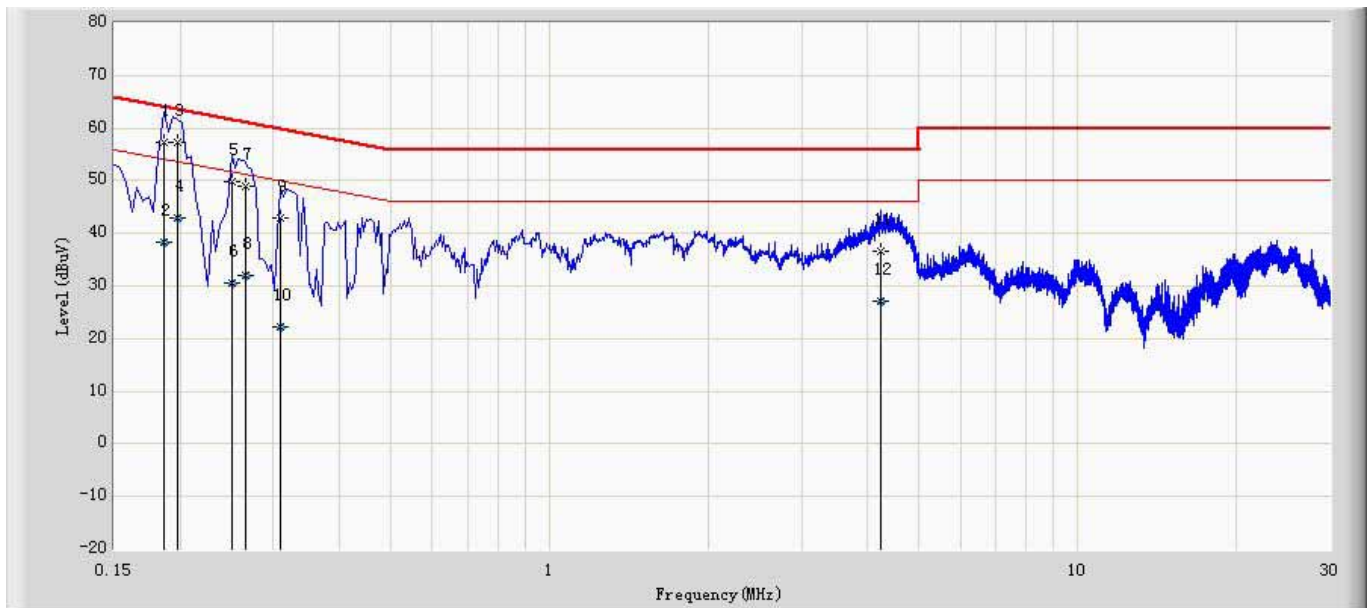
| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.402           | 32.545               | 22.653               | -25.267         | 57.812       | 9.891       | QP   |
| 2  | *    | 0.402           | 32.172               | 22.280               | -15.640         | 47.812       | 9.891       | AV   |
| 3  |      | 0.438           | 32.259               | 22.356               | -24.841         | 57.100       | 9.902       | QP   |
| 4  |      | 0.438           | 27.590               | 17.688               | -19.510         | 47.100       | 9.902       | AV   |
| 5  |      | 0.478           | 33.722               | 23.815               | -22.652         | 56.374       | 9.908       | QP   |
| 6  |      | 0.478           | 29.990               | 20.083               | -16.384         | 46.374       | 9.908       | AV   |
| 7  |      | 0.954           | 32.248               | 22.432               | -23.752         | 56.000       | 9.816       | QP   |
| 8  |      | 0.954           | 27.895               | 18.079               | -18.105         | 46.000       | 9.816       | AV   |
| 9  |      | 1.550           | 26.955               | 17.158               | -29.045         | 56.000       | 9.798       | QP   |
| 10 |      | 1.550           | 22.919               | 13.122               | -23.081         | 46.000       | 9.798       | AV   |
| 11 |      | 8.498           | 31.929               | 21.969               | -28.071         | 60.000       | 9.960       | QP   |
| 12 |      | 8.498           | 21.886               | 11.926               | -28.114         | 50.000       | 9.960       | AV   |

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| Site: TR1                                                    | Time: 2014/04/29 - 10:48 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB                     | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                            | Polarity: Neutral        |
| EUT: Wireless Stereo Headphone                               | Power: AC 120V/60Hz      |
| Note: Mode4: Charging by PC and playing music by Audio Cable |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  | *    | 0.190           | 60.216               | 50.290               | -3.821          | 64.037       | 9.926       | QP   |
| 2  |      | 0.190           | 44.747               | 34.820               | -9.290          | 54.037       | 9.926       | AV   |
| 3  |      | 0.254           | 52.534               | 42.607               | -9.091          | 61.625       | 9.927       | QP   |
| 4  |      | 0.254           | 34.774               | 24.847               | -16.851         | 51.625       | 9.927       | AV   |
| 5  |      | 0.314           | 45.971               | 36.015               | -13.893         | 59.864       | 9.957       | QP   |
| 6  |      | 0.314           | 26.361               | 16.405               | -23.503         | 49.864       | 9.957       | AV   |
| 7  |      | 0.526           | 39.410               | 29.373               | -16.590         | 56.000       | 10.037      | QP   |
| 8  |      | 0.526           | 25.944               | 15.908               | -20.056         | 46.000       | 10.037      | AV   |
| 9  |      | 3.902           | 38.505               | 28.459               | -17.495         | 56.000       | 10.047      | QP   |
| 10 |      | 3.902           | 27.760               | 17.713               | -18.240         | 46.000       | 10.047      | AV   |
| 11 |      | 4.626           | 36.854               | 26.775               | -19.146         | 56.000       | 10.079      | QP   |
| 12 |      | 4.626           | 24.565               | 14.486               | -21.435         | 46.000       | 10.079      | AV   |

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| Site: TR1                                                    | Time: 2014/04/29 - 10:48 |
| Limit: FCC_Part15.107_CE_AC Power_ClassB                     | Margin: 0                |
| Probe: ENV216_101044(0.009-30MHz)                            | Polarity: Line           |
| EUT: Wireless Stereo Headphone                               | Power: AC 120V/60Hz      |
| Note: Mode4: Charging by PC and playing music by Audio Cable |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.186           | 57.161               | 47.303               | -7.052          | 64.213       | 9.857       | QP   |
| 2  |      | 0.186           | 38.446               | 28.588               | -15.767         | 54.213       | 9.857       | AV   |
| 3  | *    | 0.198           | 57.237               | 47.378               | -6.457          | 63.694       | 9.860       | QP   |
| 4  |      | 0.198           | 42.846               | 32.986               | -10.848         | 53.694       | 9.860       | AV   |
| 5  |      | 0.250           | 49.932               | 40.065               | -11.825         | 61.757       | 9.867       | QP   |
| 6  |      | 0.250           | 30.587               | 20.720               | -21.170         | 51.757       | 9.867       | AV   |
| 7  |      | 0.266           | 48.896               | 39.027               | -12.346         | 61.242       | 9.869       | QP   |
| 8  |      | 0.266           | 31.944               | 22.075               | -19.298         | 51.242       | 9.869       | AV   |
| 9  |      | 0.310           | 42.825               | 32.949               | -17.145         | 59.970       | 9.875       | QP   |
| 10 |      | 0.310           | 22.177               | 12.302               | -27.793         | 49.970       | 9.875       | AV   |
| 11 |      | 4.246           | 36.722               | 26.882               | -19.278         | 56.000       | 9.839       | QP   |
| 12 |      | 4.246           | 27.157               | 17.317               | -18.843         | 46.000       | 9.839       | AV   |

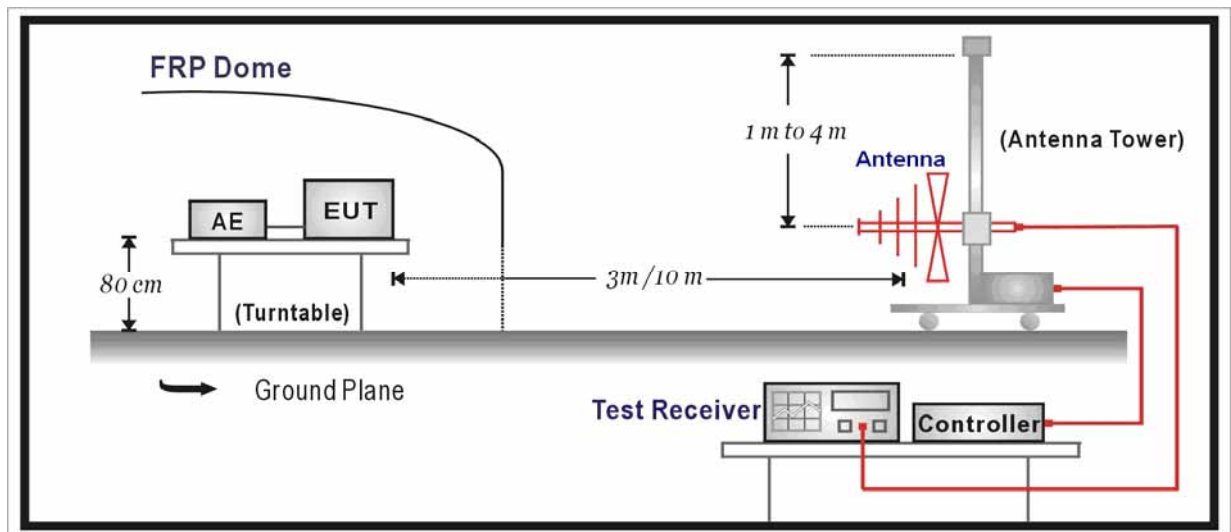
## 4. Radiated Emission

### 4.1. Test Specification

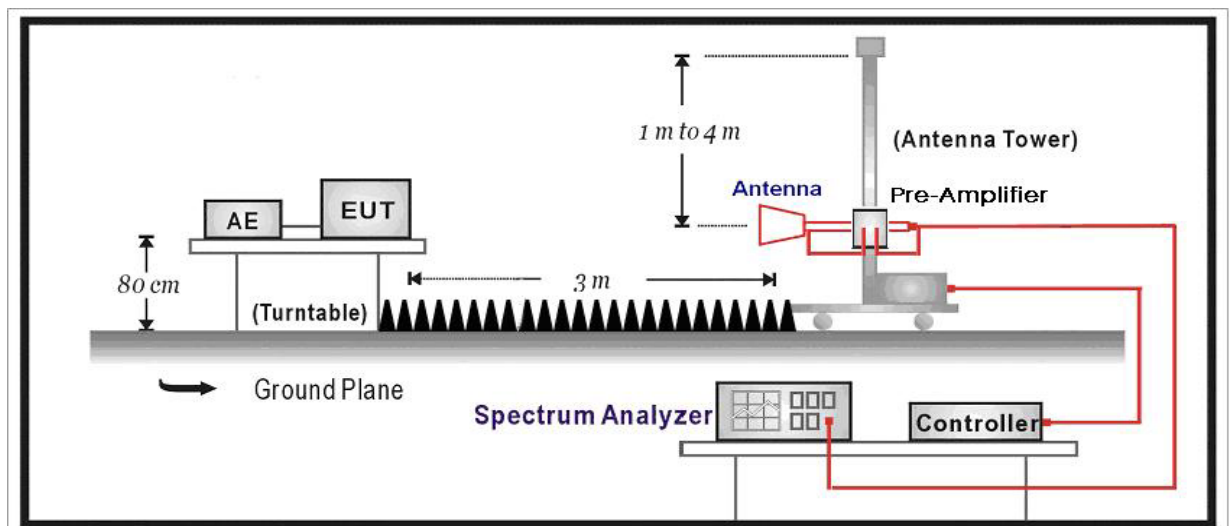
According to EMC Standard: FCC Part 15 Subpart B Class B, ANSI C63.4

### 4.2. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



#### 4.3. Limit

| FCC Part 15 Subpart B Paragraph 15.109 |              |                |
|----------------------------------------|--------------|----------------|
| Frequency (MHz)                        | Distance (m) | Level (dBuV/m) |
| 30 - 88                                | 3            | 40             |
| 88 - 216                               | 3            | 43.5           |
| 216 - 960                              | 3            | 46             |
| Above 960                              | 3            | 54             |

Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: E field strength (dBuV/m) = 20 log E field strength (uV/m)

#### 4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz) |
|--------------------------------------------------------------------------------------------------|--------------------------------------------|
| Below 1.705                                                                                      | 30                                         |
| 1.705 - 108                                                                                      | 1000                                       |
| 108 - 500                                                                                        | 2000                                       |

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| 500 - 1000 | 5000                                                                |
| Above 1000 | 5th harmonic of the highest frequency or 40 GHz, whichever is lower |

On any frequency or frequencies below or equal to 1000 MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000 MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 3 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCI) is 120 kHz and above 1GHz is 1MHz.

Note: When measurement above 1GHz, the horn antenna will bend down a little (as horn antenna have the narrow beamwidth) in order to find the maximum emission of EUT.

#### 4.5. Deviation from Test Standard

No deviation.

#### 4.6. Test Result

All of the test result shown indicates the worst case, and spectrum analyzer parameters setting as shown below:

Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;

Average detector: RBW = 1MHz, VBW = 10Hz, sweep time = auto.

Measure Level = Reading Level + Cable Loss + Antenna Factor - Preamplifier Gain

Mode 1: Receive-1Mbps (GFSK\_DH5)

| CH | Antenna | Frequency (MHz) | Reading Level (dBuV/m) | Factor (dB) | Measure Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|----|---------|-----------------|------------------------|-------------|------------------------|----------------|-------------|----------|
| 00 | H       | 2394.0          | 39.7                   | 0.7         | 40.4                   | 54(Note)       | -13.6       | PK       |
|    | V       | 2496.0          | 39.6                   | 0.6         | 40.2                   | 54(Note)       | -13.8       | PK       |
|    | H       | 3584.0          | 38.2                   | 3.1         | 41.2                   | 54(Note)       | -12.8       | PK       |
|    | V       | 3346.0          | 37.1                   | 2.7         | 39.8                   | 54(Note)       | -14.2       | PK       |
| 39 | H       | 2445.0          | 39.5                   | 1.2         | 40.7                   | 54(Note)       | -13.3       | PK       |
|    | V       | 2309.0          | 40.3                   | -0.4        | 39.9                   | 54(Note)       | -14.1       | PK       |
|    | H       | 3380.0          | 38.6                   | 2.7         | 41.4                   | 54(Note)       | -12.6       | PK       |
|    | V       | 3363.0          | 38.5                   | 2.8         | 41.3                   | 54(Note)       | -12.7       | PK       |
| 78 | H       | 2479.0          | 39.9                   | 1.5         | 41.4                   | 54(Note)       | -12.6       | PK       |
|    | V       | 2462.0          | 41.2                   | 0.4         | 41.7                   | 54(Note)       | -12.3       | PK       |
|    | H       | 3176.0          | 39.4                   | 2.4         | 41.8                   | 54(Note)       | -12.2       | PK       |
|    | V       | 3584.0          | 38.6                   | 3.2         | 41.8                   | 54(Note)       | -12.2       | PK       |

Note: This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

## Mode 2: Receive-2Mbps (Pi/4 DQPSK\_DH5)

| CH | Antenna | Frequency (MHz) | Reading Level (dBuV/m) | Factor (dB) | Measure Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|----|---------|-----------------|------------------------|-------------|------------------------|----------------|-------------|----------|
| 00 | H       | 2462.0          | 40.0                   | 1.4         | 41.4                   | 54(Note)       | -12.6       | PK       |
|    | V       | 2020.0          | 39.7                   | -0.9        | 38.9                   | 54(Note)       | -15.1       | PK       |
|    | H       | 3159.0          | 38.7                   | 2.4         | 41.1                   | 54(Note)       | -12.9       | PK       |
|    | V       | 3091.0          | 39.8                   | 1.9         | 41.6                   | 54(Note)       | -12.4       | PK       |
| 39 | H       | 1782.0          | 40.1                   | -1.1        | 39.0                   | 54(Note)       | -15.0       | PK       |
|    | V       | 1986.0          | 40.1                   | -1.0        | 39.0                   | 54(Note)       | -15.0       | PK       |
|    | H       | 3380.0          | 38.5                   | 2.7         | 41.3                   | 54(Note)       | -12.7       | PK       |
|    | V       | 2785.0          | 39.9                   | 1.4         | 41.3                   | 54(Note)       | -12.7       | PK       |
| 78 | H       | 1697.0          | 41.1                   | -1.9        | 39.2                   | 54(Note)       | -14.8       | PK       |
|    | V       | 2530.0          | 39.0                   | 0.8         | 39.8                   | 54(Note)       | -14.2       | PK       |
|    | H       | 2496.0          | 39.8                   | 1.7         | 41.5                   | 54(Note)       | -12.5       | PK       |
|    | V       | 3363.0          | 38.0                   | 2.8         | 40.7                   | 54(Note)       | -13.3       | PK       |

Note: This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

## Mode 3: Receive-3Mbps (8DPSK\_DH5)

| CH | Antenna | Frequency (MHz) | Reading Level (dBuV/m) | Factor (dB) | Measure Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|----|---------|-----------------|------------------------|-------------|------------------------|----------------|-------------|----------|
| 00 | H       | 2853.0          | 39.8                   | 1.2         | 41.0                   | 54(Note)       | -13.0       | PK       |
|    | V       | 2785.0          | 39.0                   | 1.4         | 40.4                   | 54(Note)       | -13.6       | PK       |
|    | H       | 3363.0          | 39.1                   | 2.7         | 41.9                   | 54(Note)       | -12.1       | PK       |
|    | V       | 3584.0          | 37.4                   | 3.2         | 40.6                   | 54(Note)       | -13.4       | PK       |
| 39 | H       | 2479.0          | 39.2                   | 1.5         | 40.7                   | 54(Note)       | -13.3       | PK       |
|    | V       | 2496.0          | 39.7                   | 0.6         | 40.3                   | 54(Note)       | -13.7       | PK       |
|    | H       | 3397.0          | 38.7                   | 2.8         | 41.4                   | 54(Note)       | -12.6       | PK       |
|    | V       | 3278.0          | 38.7                   | 2.5         | 41.2                   | 54(Note)       | -12.8       | PK       |
| 78 | H       | 2360.0          | 40.4                   | 0.4         | 40.8                   | 54(Note)       | -13.2       | PK       |
|    | V       | 2377.0          | 40.1                   | -0.1        | 40.0                   | 54(Note)       | -14.0       | PK       |
|    | H       | 3125.0          | 38.8                   | 2.3         | 41.1                   | 54(Note)       | -12.9       | PK       |
|    | V       | 3040.0          | 39.1                   | 1.7         | 40.9                   | 54(Note)       | -13.1       | PK       |

Note: This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

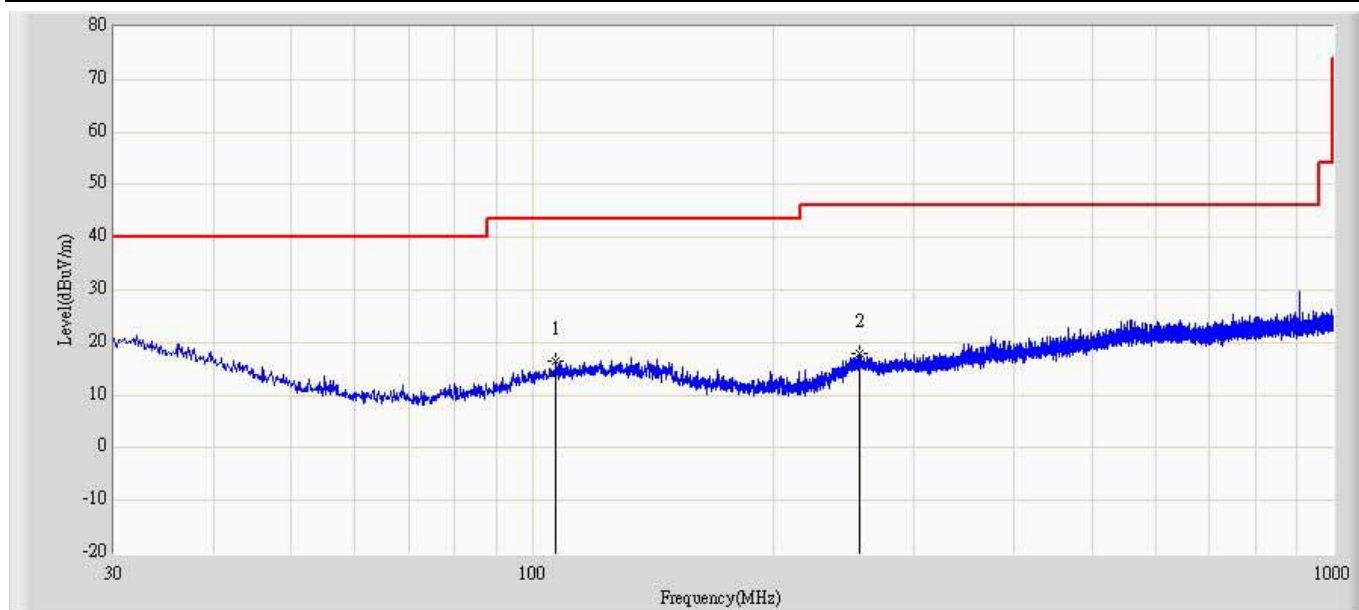
## Mode 4: Receive-1Mbps (GFSK)

| CH | Antenna | Frequency (MHz) | Reading Level (dBuV/m) | Factor (dB) | Measure Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|----|---------|-----------------|------------------------|-------------|------------------------|----------------|-------------|----------|
| 00 | H       | 2445.0          | 39.3                   | 1.2         | 40.5                   | 54(Note)       | -13.5       | PK       |
|    | V       | 2326.0          | 40.7                   | -0.3        | 40.4                   | 54(Note)       | -13.6       | PK       |
|    | H       | 2904.0          | 39.9                   | 1.5         | 41.4                   | 54(Note)       | -12.6       | PK       |
|    | V       | 3363.0          | 38.8                   | 2.8         | 41.6                   | 54(Note)       | -12.4       | PK       |
| 39 | H       | 2496.0          | 39.6                   | 1.7         | 41.3                   | 54(Note)       | -12.7       | PK       |
|    | V       | 2462.0          | 39.0                   | 0.4         | 39.5                   | 54(Note)       | -14.5       | PK       |
|    | H       | 3278.0          | 39.2                   | 2.7         | 41.8                   | 54(Note)       | -12.2       | PK       |
|    | V       | 3465.0          | 38.0                   | 3.0         | 41.0                   | 54(Note)       | -13.0       | PK       |
| 78 | H       | 2513.0          | 39.1                   | 1.7         | 40.8                   | 54(Note)       | -13.2       | PK       |
|    | V       | 2020.0          | 44.6                   | -0.9        | 43.7                   | 54(Note)       | -10.3       | PK       |
|    | H       | 3091.0          | 39.2                   | 2.2         | 41.4                   | 54(Note)       | -12.6       | PK       |
|    | V       | 2683.0          | 39.5                   | 1.2         | 40.7                   | 54(Note)       | -13.3       | PK       |

Note: This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

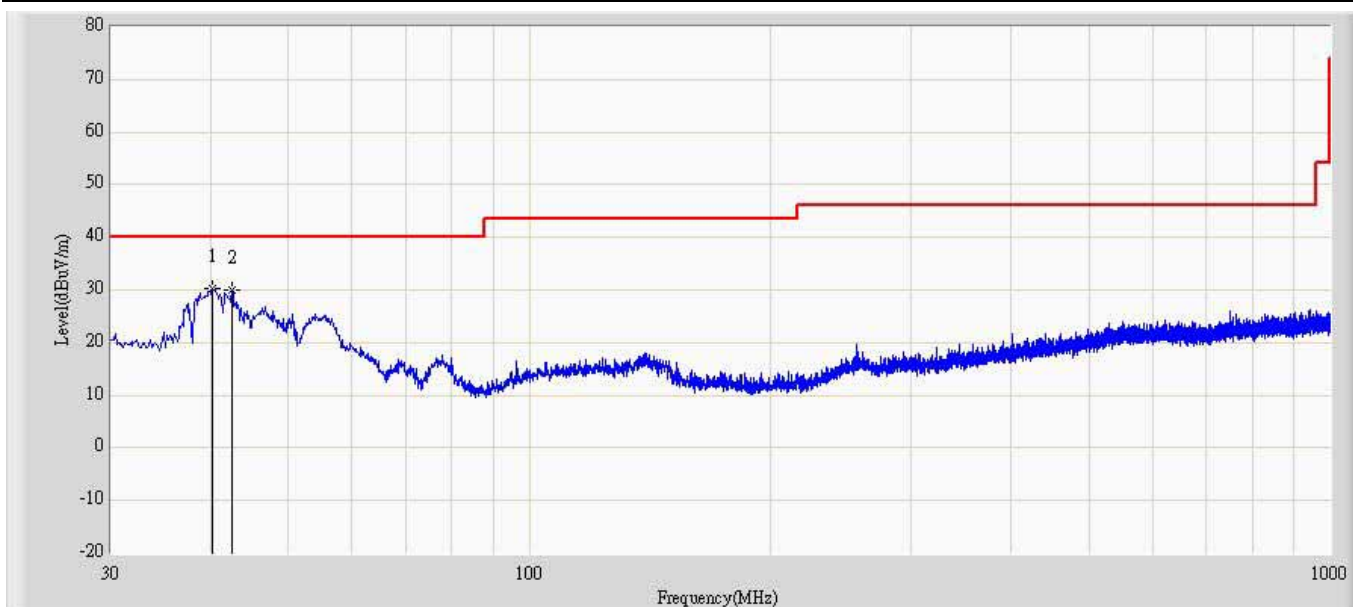
## The worst case of Radiated Emission below 1GHz:

|                                                |                          |
|------------------------------------------------|--------------------------|
| Site: AC2                                      | Time: 2014/03/17 - 17:29 |
| Limit: FCC_Part15.109_RE(3m)_ClassB            | Margin: 0                |
| Probe: CBL6112D_27611(30-2000MHz)              | Polarity: Horizontal     |
| EUT: Wireless Stereo Headphone                 | Power: AC 120V/60Hz      |
| Note: Mode1: Receive at channel 2402MHz by DH5 |                          |



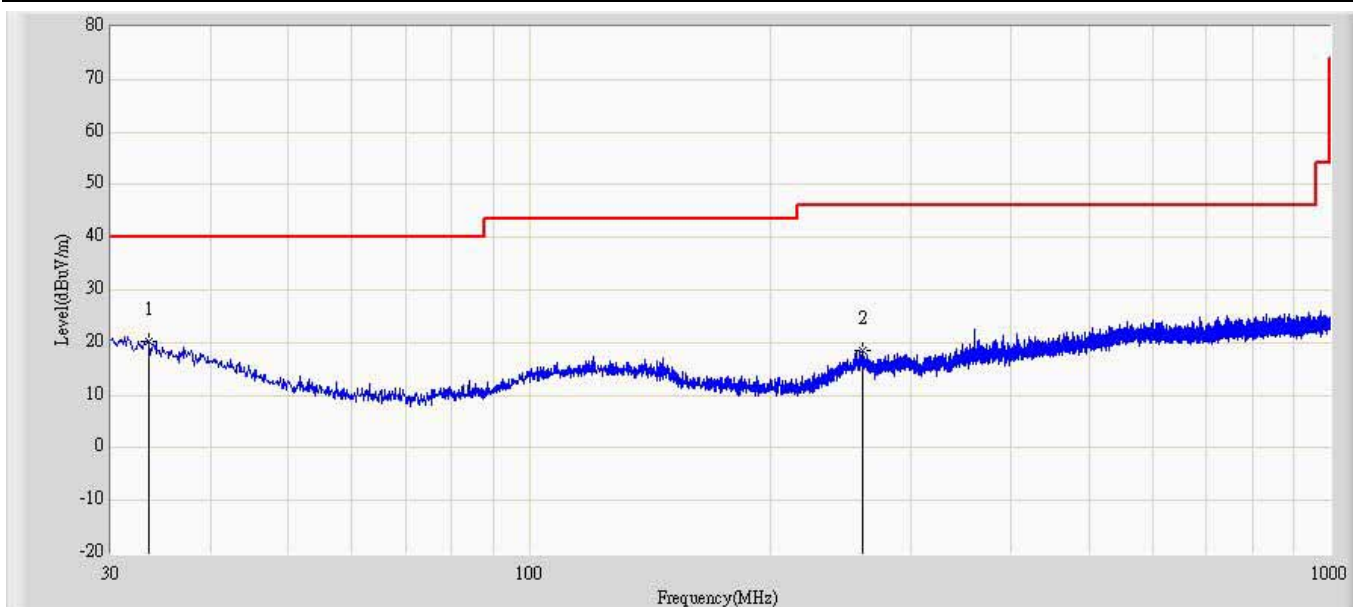
| No | Mark | Frequency<br>(MHz) | Measure Level<br>(dBuV/m) | Reading Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|----|------|--------------------|---------------------------|-------------------------|--------------------|-------------------|----------------|------|
| 1  | *    | 106.994            | 16.588                    | 4.308                   | -26.912            | 43.500            | 12.280         | QP   |
| 2  |      | 256.010            | 17.970                    | 3.739                   | -28.030            | 46.000            | 14.231         | QP   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Site: AC2                                      | Time: 2014/03/17 - 17:30 |
| Limit: FCC_Part15.109_RE(3m)_ClassB            | Margin: 0                |
| Probe: CBL6112D_27611(30-2000MHz)              | Polarity: Vertical       |
| EUT: Wireless Stereo Headphone                 | Power: AC 120V/60Hz      |
| Note: Mode1: Receive at channel 2402MHz by DH5 |                          |



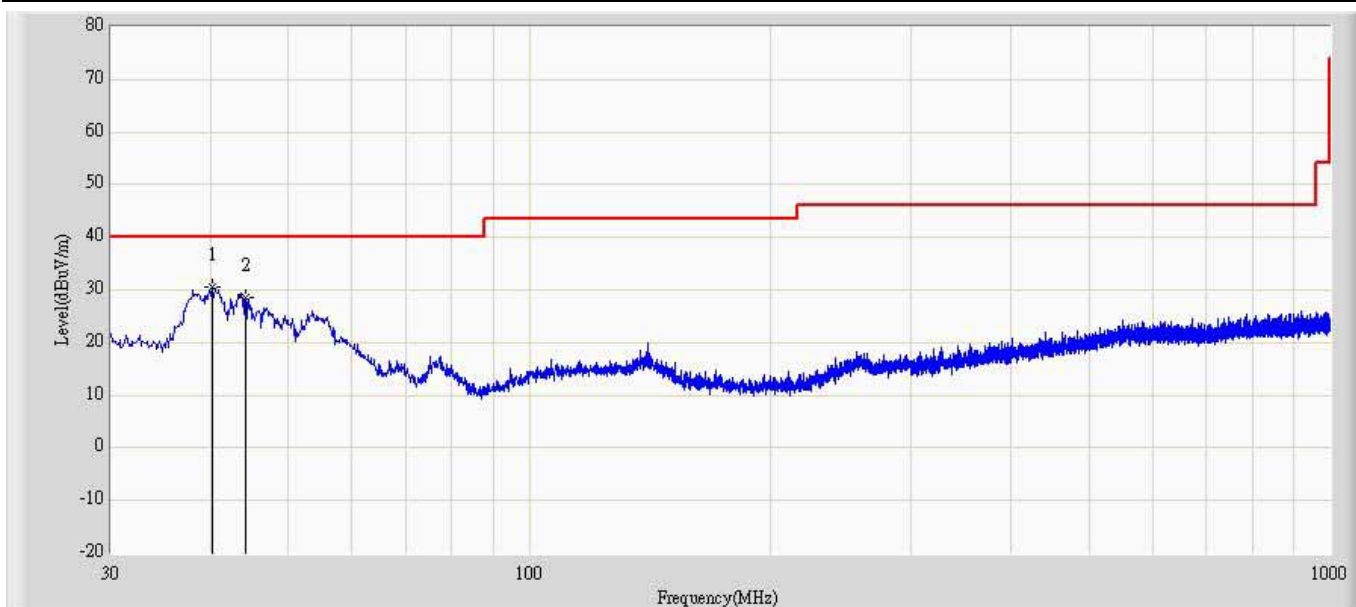
| No | Mark | Frequency<br>(MHz) | Measure Level<br>(dBuV/m) | Reading Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|----|------|--------------------|---------------------------|-------------------------|--------------------|-------------------|----------------|------|
| 1  | *    | 40.185             | 30.342                    | 16.599                  | -9.658             | 40.000            | 13.743         | QP   |
| 2  |      | 42.489             | 29.998                    | 17.393                  | -10.002            | 40.000            | 12.605         | QP   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Site: AC2                                      | Time: 2014/03/17 - 17:31 |
| Limit: FCC_Part15.109_RE(3m)_ClassB            | Margin: 0                |
| Probe: CBL6112D_27611(30-2000MHz)              | Polarity: Horizontal     |
| EUT: Wireless Stereo Headphone                 | Power: AC 120V/60Hz      |
| Note: Mode4: Receive at channel 2402MHz by BLE |                          |



| No | Mark | Frequency<br>(MHz) | Measure Level<br>(dBuV/m) | Reading Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|----|------|--------------------|---------------------------|-------------------------|--------------------|-------------------|----------------|------|
| 1  | *    | 33.516             | 20.307                    | 3.904                   | -19.693            | 40.000            | 16.403         | QP   |
| 2  |      | 260.375            | 18.615                    | 4.132                   | -27.385            | 46.000            | 14.483         | QP   |

|                                                |                          |
|------------------------------------------------|--------------------------|
| Site: AC2                                      | Time: 2014/03/17 - 17:32 |
| Limit: FCC_Part15.109_RE(3m)_ClassB            | Margin: 0                |
| Probe: CBL6112D_27611(30-2000MHz)              | Polarity: Vertical       |
| EUT: Wireless Stereo Headphone                 | Power: AC 120V/60Hz      |
| Note: Mode4: Receive at channel 2402MHz by BLE |                          |



| No | Mark | Frequency<br>(MHz) | Measure Level<br>(dBuV/m) | Reading Level<br>(dBuV) | Over Limit<br>(dB) | Limit<br>(dBuV/m) | Factor<br>(dB) | Type |
|----|------|--------------------|---------------------------|-------------------------|--------------------|-------------------|----------------|------|
| 1  | *    | 40.185             | 30.524                    | 16.781                  | -9.476             | 40.000            | 13.743         | QP   |
| 2  |      | 44.186             | 28.660                    | 16.894                  | -11.340            | 40.000            | 11.766         | QP   |

\_\_\_\_\_ The End \_\_\_\_\_