

**ETS Dr.GenZ Taiwan PS Co., Ltd.**

**FCC Registration No.: 930600**

**Industry Canada filed test laboratory Reg. No. IC 5679**

**Accredited Testing Laboratory**

**A2LA Cert.No.: 2300.01**

# **FCC**

# **TEST - REPORT**

**FCC RULES PART 15 / SUBPART C § 15.249**

**FCC ID : H8GRHP7**

**Test report no.:**

**W6M20505-5930-P-15**

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## **1 General Information**

### **1.1 Notes**

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has Passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

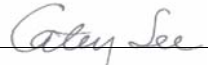
The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

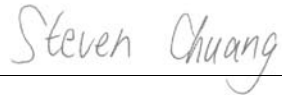
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### **Tester:**

|            |          |           |                                                                                      |
|------------|----------|-----------|--------------------------------------------------------------------------------------|
| 07.06.2005 |          | Catey Lee |  |
| Date       | ETS-Lab. | Name      | Signature                                                                            |

### **Technical responsibility for area of testing:**

|            |     |               |                                                                                      |
|------------|-----|---------------|--------------------------------------------------------------------------------------|
| 07.06.2005 |     | Steven Chuang |  |
| Date       | ETS | Name          | Signature                                                                            |

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## **1.2 Testing laboratory**

### **1.2.1 Location**

OATS  
No.5-1, Shuang Sing Village,  
LiShuei Rd., Wanli Township,  
Taipei County 207, Taiwan (R.O.C.)

Company  
ETS Dr.Genx Taiwan PS Co., Ltd.  
6F, NO. 58, LANE 188, RUEY-KUANG RD.  
NEIHU, TAIPEI 114, TAIWAN R.O.C.  
Tel : 886-2-66068877  
Fax : 886-2-66068879

### **1.2.2 Details of accreditation status**

**Accredited testing laboratory**

**A2LA-registration number: 2300.01**

**FCC filed test laboratory Reg. No. 930600**

**Industry Canada filed test laboratory Reg. No. IC 5679**

## **1.3 Details of approval holder**

|            |                                      |
|------------|--------------------------------------|
| Name:      | A-FOUR TECH CO., LTD.                |
| Street:    | 6F, No.108, Min-Chuan Rd., Hsin-Tien |
| Town:      | Taipei                               |
| Country:   | Taiwan, R.O.C.                       |
| Telephone: | +886-2-2218-4952                     |
| Fax:       | +886-2-2218-9908                     |

|            |                  |
|------------|------------------|
| Contact    | Kenny Kao        |
| Telephone: | +886-2-2218-4952 |

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#### **1.4 Application details**

Date of receipt of application: 26.05.2005  
Date of receipt of test item: 27.05.2005  
Date of test: 28.05.2005 to 03.06.2005

#### **1.5 General information of Test item**

Type of test item : Wireless Headphone

Model Number : RHP-7

Serial number : without

Photos : see Annex

Technical data

Frequency band : 912.5, 913, 913.5 MHz

Operation Frequency : 913 MHz

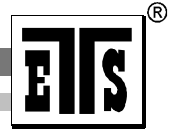
Frequency 1 : 913 MHz

Operation modes : Simplex

Modulation Type : FM Stereo

Antenna type : integral antenna

Power supply : 120 VAC (AC/DC Adapter)



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**Manufacturer:**  
(if applicable)

Name : ./.  
Street : ./.  
Town : ./.  
Country : ./.

Additional information : --

**1.6 Test standards**

Technical standard : FCC RULES PART 15 / SUBPART C § 15.249  
FCC part 15 : July 2003

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## **2 Technical test**

### **2.1 Summary of test results**

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



**or**

The deviations as specified in 2.5 were ascertained in the course of the tests performed.



### **2.2 Test environment**

|                               |                           |
|-------------------------------|---------------------------|
| Temperature                   | : 23 °C                   |
| Relative humidity content     | : 20 ... 75 %             |
| Air pressure                  | : 86 ... 103 kPa          |
| Details of power supply       | : 120 VAC (AC/DC Adapter) |
| Extreme conditions parameters | : Not required            |

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### 2.3 Test Equipment List

| No.          | Test equipment                                  | Type                | Serial No.             | Manufacturer                  | Next Cal. Date |
|--------------|-------------------------------------------------|---------------------|------------------------|-------------------------------|----------------|
| ETSTW-CE 001 | EMI TEST RECEIVER                               | ESHS10              | 842121/013             | R&S                           | 2005/11/8      |
| ETSTW-CE 002 | PREREULATOR MODE DC POWER SUPPLY                |                     |                        |                               |                |
| ETSTW-CE 003 | AC POWER SOURCE                                 | APS-9102            | D161137                | GW                            |                |
| ETSTW-CE 004 | ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK | ESH3-Z5             | 840731/011             | R&S                           | 2006/11/8      |
| ETSTW-CE 005 | Line-Impedance Stabilisation Network            | NNBM 8126D          | 137                    | Schwarzbeck                   | 2006/11/3      |
| ETSTW-CE 006 | IMPULS-BEGRENZER PULSE LIMITER                  | ESH3-Z2             | 100226                 | R&S                           | 2006/11/10     |
| ETSTW-CE 007 | SPECTRUM ANALYZER 5GHz                          | FSB                 | 849670/001             | R&S                           |                |
| ETSTW-CE 008 | ABSORBING CLAMP                                 | MDS 21              | 3469                   | ABSORPTIONS-MESSWANDLER-ZANGE | 2006/11/4      |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER                          | GTH-225-40-1P-U     | MAA0305-009            | GIANT FORCE                   | 2005/5/10      |
| ETSTW-CE 010 | Comb Generator-conducted                        |                     |                        | ETS                           |                |
| ETSTW-CE 011 | Power Line Conducted Emission Only              |                     |                        | ETS                           |                |
| ETSTW-CE 012 | Dual-Phase-V-Network                            | NNB-2/16Z           | 03/10201               | Telemeter                     | 2006/4/11      |
| ETSTW-CS 001 | SIGNAL GENERATOR                                | SMX                 | 849254/003             | R&S                           | 2005/10/31     |
| ETSTW-CS 002 | COUPLING AND DECOUPLING NETWORK                 | CDN S751            | 19263                  | CHAFFNER                      | 2006/11/3      |
| ETSTW-CS 003 | COUPLING AND DECOUPLING NETWORK                 | CDN T400            | 19820                  | CHAFFNER                      | 2006/11/3      |
| ETSTW-CS 004 | COUPLING AND DECOUPLING NETWORK                 | CDN M016            | 20053                  | CHAFFNER                      | 2006/11/3      |
| ETSTW-CS 005 | RF Power Amplifier                              | 100A250A            | 306547                 | AR                            | 2005/11/3      |
| ETSTW-CS 006 | Terminal 50Ω Load                               | 50T-116 M           |                        | JFW                           |                |
| ETSTW-CS 007 | Terminal 50Ω Load                               | 50T-116 F           |                        | JFW                           |                |
| ETSTW-CS 008 | 6 dB Attenuator                                 | HFP-5100-3/06 N M/F | 2010876106             |                               |                |
| ETSTW-RE 001 | Controller                                      | CD 1000             | C01000/154/867 /004/L  | Heinrich Deisel               |                |
| ETSTW-RE 002 | Function Generator                              | 33220A              | MY43004982             | Agilent                       | 2005/11/3      |
| ETSTW-RE 003 | EMI TEST RECEIVER                               | ESI                 | 831438/001             | R&S                           | 2005/11/16     |
| ETSTW-RE 004 | EMI TEST RECEIVER                               | ESI                 | 831459/012             | R&S                           | 2005/11/9      |
| ETSTW-RE 005 | EMI TEST RECEIVER                               | ESVS10              | 843207/020             | R&S                           | 2005/11/1      |
| ETSTW-RE 008 | Controller                                      | HD100               | C0100-L/047/ 6670703/L | Heinrich Deisel               |                |
| ETSTW-RE 009 | Controller                                      | HD100               | 100/341                | Heinrich Deisel               |                |
| ETSTW-RE 010 | PROGRAMMABLE LINEAR POWER SUPPLY                | LPS-305             | 30503070181            | MOTECH                        |                |
| ETSTW-RE 011 | PROGRAMMABLE LINEAR POWER SUPPLY                | LPS-305             | 30503070165            | MOTECH                        |                |
| ETSTW-RE 012 | TUNABLE BANDREJECT FILTER                       | D.C 0309            | 146                    | K&L                           |                |
| ETSTW-RE 013 | TUNABLE BANDREJECT FILTER                       | D.C 0036            | 397                    | K&L                           |                |
| ETSTW-RE 014 | DUAL TRACKING WITH 5V FIXED                     | GPC-3030D           |                        | GW                            |                |



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|               |                                       |                  |                |             |            |
|---------------|---------------------------------------|------------------|----------------|-------------|------------|
| ETSTW-RE 015  | ANTENNA                               | HK116            | 841489/003     | R&S         |            |
| ETSTW-RE 016  | ANTENNA                               | HL223            | 848953/006     | R&S         |            |
| ETSTW-RE 017  | ANTENNA                               | HL025            | 352886/001     | R&S         |            |
| ETSTW-RE 018  | ANTENNA                               | AT4560           | 27212          | AR          | 2006/11/7  |
| ETSTW-RE 019  | ANTENNA , HORN                        | 22240-25         | 121074         | FM          |            |
| ETSTW-RE 020  | MICROWAVE HORN ANTENNA                | AT4002A          | 306915         | AR          |            |
| ETSTW-RE 021  | SWEEP GENERATOR                       | SWM05            | 835130/010     | R&S         | 2005/11/10 |
| ETSTW-RE 022  | AMPLIFIER                             | 8447D            | 2944A09837     | Agilent     | 2005/11/1  |
| ETSTW-RE 023  | Shielded room                         | SR 1             |                | Frankonia   |            |
| ETSTW-RE 024  | Anechoic Chamber                      | CHC 1            |                | Frankonia   |            |
| ETSTW-RE 025  | Anechoic Chamber                      | CHC 2            |                | Frankonia   |            |
| ETSTW-RE 026  | Open Area Test Site                   | 10m              |                | ETS         |            |
| ETSTW-RE 027  | Passive Loop Antenna                  | 6512             | 34563          | EMCO        | 2006/6/29  |
| ETSTW-RE 028  | Log-Periodic DipoleArray Antenna      | 3148             | 34429          | EMCO        | 2006/6/14  |
| ETSTW-RE 029  | Biconical Antenna                     | 3109             | 33524          | EMCO        | 2006/6/16  |
| ETSTW-RE 030  | Double-Ridged Waveguide Horn Antenna  | 3117             | 35224          | EMCO        | 2006/5/4   |
| ETSTW-RE 031  | Comb Generator-radiated               |                  |                | ETS         |            |
| ETSTW-RE 032  | Millivoltmeter                        | URV 55           | 849086/013     | R&S         | 2005/11/17 |
| ETSTW-RE 033  | 4CH 1GHz 5GS/s DSO                    | WAVERUNNER 6100A | LCRY0604P14508 | LeCory      |            |
| ETSTW-RE 034  | Power Sensor                          | URV5-Z4          | 839313/006     | R&S         | 2005/11/17 |
| ETSTW-RE 035  | 1.5GHz Active Voltage Probe           | HFP1500          | 2332           | LeCory      |            |
| ETSTW-RE 036  | 100MHz High Voltage Diff Probe        | ADP305           | 3305           | LeCory      |            |
| ETSTW-RE 037  | Log-Periodic DipoleArray Antenna      | 3148             | 00034546       | EMCO        | 2006/11/17 |
| ETSTW-RE 038  | Log-Periodic DipoleArray Antenna      | 3148             | 00034547       | EMCO        | 2006/11/17 |
| ETSTW-RE 039  | Biconical Antenna                     | 3110B            | 41760          | EMCO        | 2006/11/17 |
| ETSTW-RE 040  | Biconical Antenna                     | 3110B            | 41761          | EMCO        | 2006/11/17 |
| ETSTW-RE 041  | Anechoic Chamber                      | CHC 3            |                | Frankonia   |            |
| ETSTW-RE 042  | ANTENNA                               | HK116            | 100172         | R&S         | 2007/1/13  |
| ETSTW-RE 043  | ANTENNA                               | HL223            | 100166         | R&S         | 2006/4/15  |
| ETSTW-RE 044  | ANTENNA                               | HL050            | 100094         | R&S         |            |
| ETSTW-RE 048  | Triple Loop Antenna                   | HXYZ 9170        | HXYZ 9170-134  | Schwarzbeck | 2006/3/21  |
| ETSTW-EMI 001 | HARMONICS 1000                        | HAR1000-1P       | 93             | EMC-PARTNER | 2005/11/17 |
| ETSTW-EMS 001 | Clamp BASELSTRASSE 160 CH-4242 LAUFEN | CN-EFT1000       | 354            | EMC-PARTNER | 2005/11/1  |
| ETSTW-EMS 002 | Frequency Converter                   | YF-6020          | 0308014        |             |            |
| ETSTW-EMS 003 | EMC Immunity Test System              | TRA2000IN6       | 579            | EMC-PARTNER | 2005/11/1  |
| ETSTW-EMS 004 | ESD generator minizap                 | ESD2000          | 016            | EMC-PARTNER | 2005/11/1  |

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|               |                                      |                 |             |                          |             |
|---------------|--------------------------------------|-----------------|-------------|--------------------------|-------------|
| ETSTW-EMS 005 | Attenuator (50Ω)                     | VERI50          | 051         | EMC-PARTNER              | 2006/8/30   |
| ETSTW-EMS 006 | Attenuator (1 KΩ)                    | VERI1K          | 019         | EMC-PARTNER              | 2006/10/20  |
| ETSTW-EMS 007 | 20GΩ Divider                         | ESD-VERI-V      | 021         | EMC-PARTNER              | 2006/3/16   |
| ETSTW-RS 001  | 14" COLOR VIDEO MONITOR              | TP-1480HR       | P009799     | TOPICA                   |             |
| ETSTW-RS 002  | 14" COLOR VIDEO MONITOR              | TP-1480HR       | P009814     | TOPICA                   |             |
| ETSTW-RS 003  | RF Power Amplifier                   | 30S1G3          | 306933      | AR                       |             |
| ETSTW-RS 004  | RF Power Amplifier                   | 150W1000        | 307009      | AR                       | 2005/11/18  |
| ETSTW-RS 005  | Electric Field Probe Type 8.3        | EMR-20          | BN 2244/20  | GW                       | 2005/9/3    |
| ETSTW-RS 006  | SIGNAL GENERATOR                     | SML03           | 101551      | R&S                      | 2005/11/15  |
| ETSTW-RS 007  | AUDIO ANALYZER                       | UPA3            | 843458/029  | R&S                      | 2005/11/15  |
| ETSTW-EMS 008 | Safety Test Solutions                | ELT-400         | E-0039      | Narda                    | 2006/1/4    |
| ETSTW-EMS 009 | Magnetic Field Antenna               | MF1000-1        | 104         | EMC-PARTNER              | 2006/12/2   |
| ETSTW-GSM 01  | SIM Simulator                        | IT3             | B2004-50106 | ORGA<br>Testsystems GmBh |             |
| ETSTW-GSM 02  | Universal Radio Communication Tester | CMU 200         | 103489      | R&S                      |             |
| ETSTW-GSM 03  | Agilent 8960 Test Set 1              | E5515C          | GB44052675  | Agilent                  | 2006/7/14   |
| ETSTW-GSM 04  | Agilent 8960 Test Set 2              | E5515C          | GB44052665  | Agilent                  | 2006/7/14   |
| ETSTW-GSM 05  | Agilent 8960 Test Set 3              | E5515C          | GB44052852  | Agilent                  | 2006/7/17   |
| ETSTW-GSM 06  | Agilent 8960 Test Set 4              | E5515C          | GB44052984  | Agilent                  | 2006/7/16   |
| ETSTW-GSM 07  | Agilent 8960 Test Set 5              | E5515C          | GB44052658  | Agilent                  | 2006/7/14   |
| ETSTW-GSM 08  | Agilent 8960 Test Set 6              | E5515C          | GB44052666  | Agilent                  | 2006/7/16   |
| ETSTW-GSM 09  | Controler PC                         | Dell GX 270     | 700F61J     | Dell                     |             |
| ETSTW-GSM 10  | Combiner Wessex / Anite              | B4605/100       | 053         | Wessex / Anite           | 07.06       |
| ETSTW-GSM 11  | GSM 850,900,1800,1900 Test system    | TS8950G         |             | Rohde & Schwarz          | 11.05       |
| ETSTW-GSM 12  | Acoustical Calibrator                | 4231            | 2463874     | Brüel&Kjær               |             |
| ETSTW-GSM 13  | Conditioning Amplifier               | 2690--0S2       | 2437856     | Brüel&Kjær               |             |
| ETSTW-GSM 14  | Telephone Test Head                  | 4602B           | 2465324     | Brüel&Kjær               | 2005/11/17  |
| ETSTW-GSM 15  | Mouth Simulator                      | 4227            | 2462516     | Brüel&Kjær               |             |
| ETSTW-GSM 16  | TEMP.&HUMIDITY CHAMBER               | GTH-120-40-1P-U | MAA0501002  | GIANT FORCE              | 12/290/2005 |
| ETSTW-GSM 17  | ANTENNA COPLER                       | CMU-Z10         | 100988      | R&S                      |             |

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## 2.4 General Test Procedure

**POWER LINE CONDUCTED INTERFERENCE:** The procedure used was ANSI STANDARD C63.4-2000 using a 50 $\mu$ H LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

**RADIATION INTERFERENCE:** The test procedure used was according to ANSI STANDARD C63.4-2000 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the UUT was 23°C with a humidity of 40 %.

**FORMULA OF CONVERSION FACTORS:** The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB $\mu$ V) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

|            |                                                          |
|------------|----------------------------------------------------------|
| Freq (MHz) | METER READING + ACF + CABLE LOSS (to the receiver) = FS  |
| 33         | 20 dB $\mu$ V + 10.36 dB + 6 dB = 36.36 dB $\mu$ V/m @3m |

ANSI STANDARD C63.4-2000 10.1.7 MEASUREMENT PROCEDURES: The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table). The UUT was placed in the center of the table. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to 10<sup>th</sup> harmonic of the fundamental.

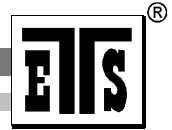
Peak readings were taken in three (3) orthogonal planes and the highest readings.

Measurements were made by ETS Dr. Genz GmbH at the registered open field test site located at No.5-1, Shuang Sing Village, LiShuei Rd., Wanli Township, Taipei County 207, Taiwan (R.O.C.)  
The Registration Number: 930600.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

## ANTENNA & GROUND:

**This unit uses integral antenna (see photo).**



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**3 Test results (enclosure)**

| TEST CASE                                                       | Required                            | Test passed                         | Test failed              |
|-----------------------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Peak Output Power 15.249 (b)                                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious Emissions radiated – Transmitter operating 15.249 (e)  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious Emissions conducted – Transmitter operating 15.249 (e) | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| Radiated Emission FCC part 15.109                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Out of Band Spurious Emission, Bandedge-Transmitter operating   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| Power Line Conducted Emission 15.207                            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The follows is intended to leave blank.

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### 3.1 Peak Output Power (transmitter)

FCC Rule: 15.249 (b)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

| Test conditions<br>Frequency 2 |                          | Transmitter field strength of<br>fundamental | Transmitter field strength of<br>harmonics |
|--------------------------------|--------------------------|----------------------------------------------|--------------------------------------------|
|                                |                          | [dB $\mu$ V/m]                               |                                            |
| T <sub>nom</sub> = 23 °C       | V <sub>nom</sub> = 120 V | 83.08                                        | --                                         |
| Measurement uncertainty        |                          | < 3 dB                                       |                                            |

Test equipment used: ETSTW-RE 003, ETSTW-RE 012, ETSTW-RE 017, ETSTW-RE 024

Remarks: The diagrams for the field strength measurements are included in appendix.

### 3.2 Equivalent isotropic radiated power

Because using an permanent antenna there are no deviations from the radiated test results according 3.1.

#### 3.2.1 Transmitter

##### Integral Antenna:

At the transmitter the measurement was transacted with the modulation declared by the manufacturer and the maximum available output power of the EUT.

In this arrangement the EUT fulfils the requirements of the FCC rules § 15.249, subpart C, This unit uses permanent antenna. There is no provision for an external antenna (see photo).

### 3.3 RF Exposure Compliance Requirements

Not applicable for this wireless headphone for the low power level.

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### 3.4 Out of Band Radiated Emissions

FCC Rule: 15.49 (d)(e), 15.35(b)

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in section 15.209, whichever is the lesser attenuation.

For frequency above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

Limits:

| Frequency of Emission<br>(MHz) | Field strength<br>(microvolts/meter) | Field Strength<br>(dB microvolts/meter) |
|--------------------------------|--------------------------------------|-----------------------------------------|
| 30 - 88                        | 100                                  | 40.0                                    |
| 88 - 216                       | 150                                  | 43.5                                    |
| 216 - 960                      | 200                                  | 46.5                                    |
| Above 960                      | 500                                  | 54.0                                    |

For frequencies above 1 GHz (Peak measurements).

Limit + 20 dB

$$54.0 \text{ dB}\mu\text{V/m} + 20 \text{ dB} = 74 \text{ dB}\mu\text{V/m}$$

Or

Must be attenuated at least 50dB below the level of fundament

Test equipment used: ETSTW-RE 003 , ETSTW-RE 012 , ETSTW-RE 015 , ETSTW-RE 016 ,  
ETSTW-RE 017 , ETSTW-RE 024

Remark: see attached diagram

### 3.5 Spurious emission (tx)

Spurious emission was measured with modulation (declared by manufacturer).

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in section 15.209, whichever is the lesser attenuation.

For frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

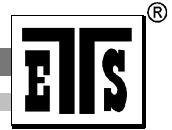
SAMPLE CALCULATION OF LIMIT. ALL results will be updated by an automatic measuring system in accordance with point 2.3.

The peak and average spurious emission plots was measured with the average limits.

The critical peak value listed in the table agree with the above calculated limits.

#### Summary table with radiated data of the test plots

| Freq, | Used Ch, | Frequency Marker [MHz] | Polarization | corrections dB | Corrected Reading [dBuV/m] | Compliance Limit [dBuV/m] | Detector | BW [MHz] | Margin |
|-------|----------|------------------------|--------------|----------------|----------------------------|---------------------------|----------|----------|--------|
| 1     | 2        | 36,813627              | H            |                | 24,98                      | 40                        | PK       | 0,1      | 15,02  |
| 1     | 2        | 36,813627              | V            |                | 27,74                      | 40                        | PK       | 0,1      | 12,26  |
| 1     | 2        | 80,080160              | H            |                | 22,60                      | 40                        | PK       | 0,1      | 17,40  |
| 1     | 2        | 80,080160              | V            |                | 28,38                      | 40                        | PK       | 0,1      | 11,62  |
| 1     | 2        | 89,959920              | H            |                | 24,82                      | 43,5                      | PK       | 0,1      | 18,68  |
| 1     | 2        | 89,959920              | V            |                | 31,69                      | 43,5                      | PK       | 0,1      | 11,81  |
| 2     | 2        | 200,000000             | H            |                | 34,31                      | 43,5                      | PK       | 0,1      | 9,19   |
| 2     | 2        | 200,000000             | V            |                | 34,52                      | 43,5                      | PK       | 0,1      | 8,98   |
| 2     | 2        | 284,969940             | H            |                | 35,20                      | 46                        | PK       | 0,1      | 10,80  |
| 2     | 2        | 284,969940             | V            |                | 37,16                      | 46                        | PK       | 0,1      | 8,84   |
| 2     | 2        | 499,799599             | H            |                | 38,33                      | 46                        | PK       | 0,1      | 7,67   |
| 2     | 2        | 499,799599             | V            |                | 38,22                      | 46                        | PK       | 0,1      | 7,78   |
| 3     | 2        | 1823,647295            | H            |                | 43,90                      | 54                        | PK       | 1        | 10,10  |
| 3     | 2        | 1823,647295            | V            |                | 42,65                      | 54                        | PK       | 1        | 11,35  |
| 3     | 2        | 2737,474950            | H            |                | 47,08                      | 54                        | PK       | 1        | 6,92   |
| 3     | 2        | 2737,474950            | V            |                | 46,05                      | 54                        | PK       | 1        | 7,95   |
| 4     | 2        | 7831,663327            | H            |                | 52,22                      | 54                        | PK       | 1        | 1,78   |
| 4     | 2        | 7831,663327            | V            |                | 51,36                      | 54                        | PK       | 1        | 2,64   |
| 5     | 2        | 11751,503006           | H            |                | 52,04                      | 54                        | PK       | 1        | 1,96   |
| 5     | 2        | 11751,503006           | V            |                | 51,95                      | 54                        | PK       | 1        | 2,05   |



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Freq. – Frequency Range:

|    |     |   |          |
|----|-----|---|----------|
| 1: | 30  | - | 200 MHz  |
| 2: | 200 | - | 1000 MHz |
| 3: | 1   | - | 4 GHz    |
| 4: | 4   | - | 8 GHz    |
| 5: | 8   | - | 12 GHz   |
| 6: | 12  | - | 17 GHz   |
| 7: | 17  | - | 26.5 GHz |

**TEST RESULT (Transmitter):** The unit DOES meet the FCC requirements.

Comment: see attached diagrams

Test equipment used: ETSTW-RE 003, ETSTW-RE 012, ETSTW-RE 015, ETSTW-RE 016,  
ETSTW-RE 017, ETSTW-RE 024



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FCC ID: H8GRHP7

**3.6 Test protocols for Receiver****Radio Noise Field Strength****Emission**Standard : FCC part 15BReg.-no. : W6M20505-5930-P-15BDevice : RHP-7Date : 07.06.2005Operator : *Cathy Lee*Class : B

Temperature : 24 °C  
Pressure : 969 hPa  
Rel. humidity: 60 %

| Frequency Range Polarization | Limit<br>$\mu\text{V/m}$ | Passed                              | Failed                   | Number of<br>rechecks |
|------------------------------|--------------------------|-------------------------------------|--------------------------|-----------------------|
| 30 MHz – 88 MHz              | 100                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0                     |
| 88 MHz – 216 MHz             | 150                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0                     |
| 216 MHz – 960 MHz            | 200                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0                     |
| Above 960 MHz                | 500                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0                     |

Comment: See attached diagrams – RX.

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FCC ID: H8GRHP7

Standard : FCC part 15B

Reg.-no. : W6M20505-5930-P-15B

Device : RHP-7

Date : 07.06.2005

Operator : *Cathy Lee*

Class : B

Temperature : 24 °C  
Pressure : 969 hPa  
Rel. humidity: 60 %

| Freq, | Used Ch, | Frequency Marker [MHz] | Polarization | corrections dB | Corrected Reading [dBuV/m] | Compliance Limit [dBuV/m] | Detector | BW [MHz] | Margin |
|-------|----------|------------------------|--------------|----------------|----------------------------|---------------------------|----------|----------|--------|
| 1     | 2        | 63,727455              | H            |                | 19,85                      | 40                        | PK       | 0,1      | 20,15  |
| 1     | 2        | 63,727455              | V            |                | 17,98                      | 40                        | PK       | 0,1      | 22,02  |
| 1     | 2        | 124,709419             | H            |                | 24,11                      | 43,5                      | PK       | 0,1      | 19,39  |
| 1     | 2        | 124,709419             | V            |                | 21,38                      | 43,5                      | PK       | 0,1      | 22,12  |
| 2     | 2        | 863,727455             | H            |                | 38,33                      | 46                        | PK       | 0,1      | 7,67   |
| 2     | 2        | 863,727455             | V            |                | 41,63                      | 46                        | PK       | 0,1      | 4,37   |
| 2     | 2        | 1727,454910            | H            |                | 46,51                      | 54                        | PK       | 1        | 7,49   |
| 2     | 2        | 1727,454910            | V            |                | 52,85                      | 54                        | PK       | 1        | 1,15   |
| 2     | 2        | 2587,174349            | H            |                | 45,00                      | 54                        | PK       | 1        | 9,00   |
| 2     | 2        | 2587,174349            | V            |                | 46,16                      | 54                        | PK       | 1        | 7,84   |
| 3     | 2        | 5178,356713            | H            |                | 49,17                      | 54                        | PK       | 1        | 4,83   |
| 3     | 2        | 5178,356713            | V            |                | 46,87                      | 54                        | PK       | 1        | 7,13   |
| 3     | 2        | 6044,088176            | H            |                | 51,66                      | 54                        | PK       | 1        | 2,34   |
| 3     | 2        | 6044,088176            | V            |                | 51,24                      | 54                        | PK       | 1        | 2,76   |
| 4     | 2        | 6909,819639            | H            |                | 48,39                      | 54                        | PK       | 1        | 5,61   |
| 4     | 2        | 6909,819639            | V            |                | 46,03                      | 54                        | PK       | 1        | 7,97   |
| 5     | 2        | 10733,466934           | H            |                | 49,57                      | 54                        | PK       | 1        | 4,43   |
| 5     | 2        | 10733,466934           | V            |                | 49,10                      | 54                        | PK       | 1        | 4,90   |

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FCC ID: H8GRHP7

### 3.7 Radiated Emission on the bandedge

From the following plots, they show that the fundamental emissions are confined in the specified band and they are at least 50 dB below the carrier level at band edge (902 and 928 MHz). It meets the requirement of section 15.249(d).

| Test conditions<br>T <sub>nom</sub> = 23°C, V <sub>nom</sub> = 120V<br>Frequency [MHz] | Transmitter field strength of<br>Radiated Emission | Transmitter field strength of<br>Radiated Emission |
|----------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
|                                                                                        | (Peak Detector)                                    | (Average Detector)                                 |
|                                                                                        | [dB $\mu$ V/m]                                     |                                                    |
| --                                                                                     | --                                                 | --                                                 |
| --                                                                                     | --                                                 | --                                                 |

Limit:

| Frequency Range (MHz)                                      | Limit (dB $\mu$ V/m) |         |
|------------------------------------------------------------|----------------------|---------|
|                                                            | Peak                 | Average |
| 902 – 928<br>2400 – 2483,5<br>5725 – 5875<br>24000 - 24250 | 74                   | 54      |

Test equipment used: ETSTW-RE 003, ETSTW-RE 012, ETSTW-RE 017, ETSTW-RE 024

Remark: This test is not required

### 3.8 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

| Frequency | Level (dB $\mu$ V) |                  |
|-----------|--------------------|------------------|
|           | quasi-peak         | average          |
| 150 kHz   | lower limit line   | Lower limit line |

#### Measurement Result: “\_ Fin AV”

| Frequency Marker [MHz] | Type | Corrected Reading [dBuV] | Compliance AVLimit [dBuV] | BW [MHz] | Margin(AV) |
|------------------------|------|--------------------------|---------------------------|----------|------------|
| 0,175                  | N    | 33,21                    | 55                        | 0,01     | 21,79      |
| 0,755                  | N    | 26,8                     | 46                        | 0,01     | 19,2       |
| 24,575                 | N    | 11,08                    | 50                        | 0,01     | 38,92      |
| 0,465                  | N    | 30,2                     | 47                        | 0,01     | 16,8       |

| Frequency Marker [MHz] | Type | Corrected Reading [dBuV] | Compliance AVLimit [dBuV] | BW [MHz] | Margin(AV) |
|------------------------|------|--------------------------|---------------------------|----------|------------|
| 0,175                  | L1   | 33,46                    | 55                        | 0,01     | 21,54      |
| 0,755                  | L1   | 33,43                    | 46                        | 0,01     | 12,57      |
| 24,575                 | L1   | 6,16                     | 50                        | 0,01     | 43,84      |
| 0,465                  | L1   | 35,5                     | 47                        | 0,01     | 11,5       |

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**Measurement Result: “\_ Fin QP”**

| Frequency Marker [MHz] | Type | Corrected Reading [dBuV] | Compliance QPLimit [dBuV] | BW [MHz] | Margin(QP) |
|------------------------|------|--------------------------|---------------------------|----------|------------|
| 0,175                  | N    | 50,93                    | 65                        | 0,01     | 14,07      |
| 0,755                  | N    | 42,2                     | 56                        | 0,01     | 13,8       |
| 24,575                 | N    | 26,25                    | 60                        | 0,01     | 33,75      |
| 0,465                  | N    | 42,1                     | 57                        | 0,01     | 14,9       |

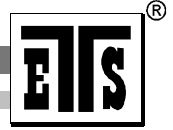
| Frequency Marker [MHz] | Type | Corrected Reading [dBuV] | Compliance QPLimit [dBuV] | BW [MHz] | Margin(QP) |
|------------------------|------|--------------------------|---------------------------|----------|------------|
| 0,175                  | L1   | 48,8                     | 65                        | 0,01     | 16,2       |
| 0,755                  | L1   | 43,86                    | 56                        | 0,01     | 12,14      |
| 24,575                 | L1   | 22,26                    | 60                        | 0,01     | 37,74      |
| 0,465                  | L1   | 44,3                     | 57                        | 0,01     | 12,7       |

**Limits:**

| Frequency of Emission (MHz) | Conducted Limit (dBuV) |          |
|-----------------------------|------------------------|----------|
|                             | Quasi Peak             | Average  |
| 0.15-0.5                    | 66 to 56               | 56 to 46 |
| 0.5-5                       | 56                     | 46       |
| 5-30                        | 60                     | 50       |

Test equipment used: ETSTW-CE 004, ETSTW-CE 001, ETSTW-RE 023

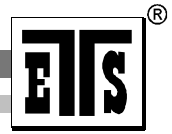
Comment: See attached diagrams



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FCC ID: H8GRHP7

## **Appendix**

- A Fundamental Field Strength
- B Spurious Emissions radiated – Transmitter operating
- C Radiated Emission – Receiver operating
- D Power Line Conducted Emission
- E Pictures



Registration number: W6M20505-5930-P-15  
FCC ID: H8GRHP7

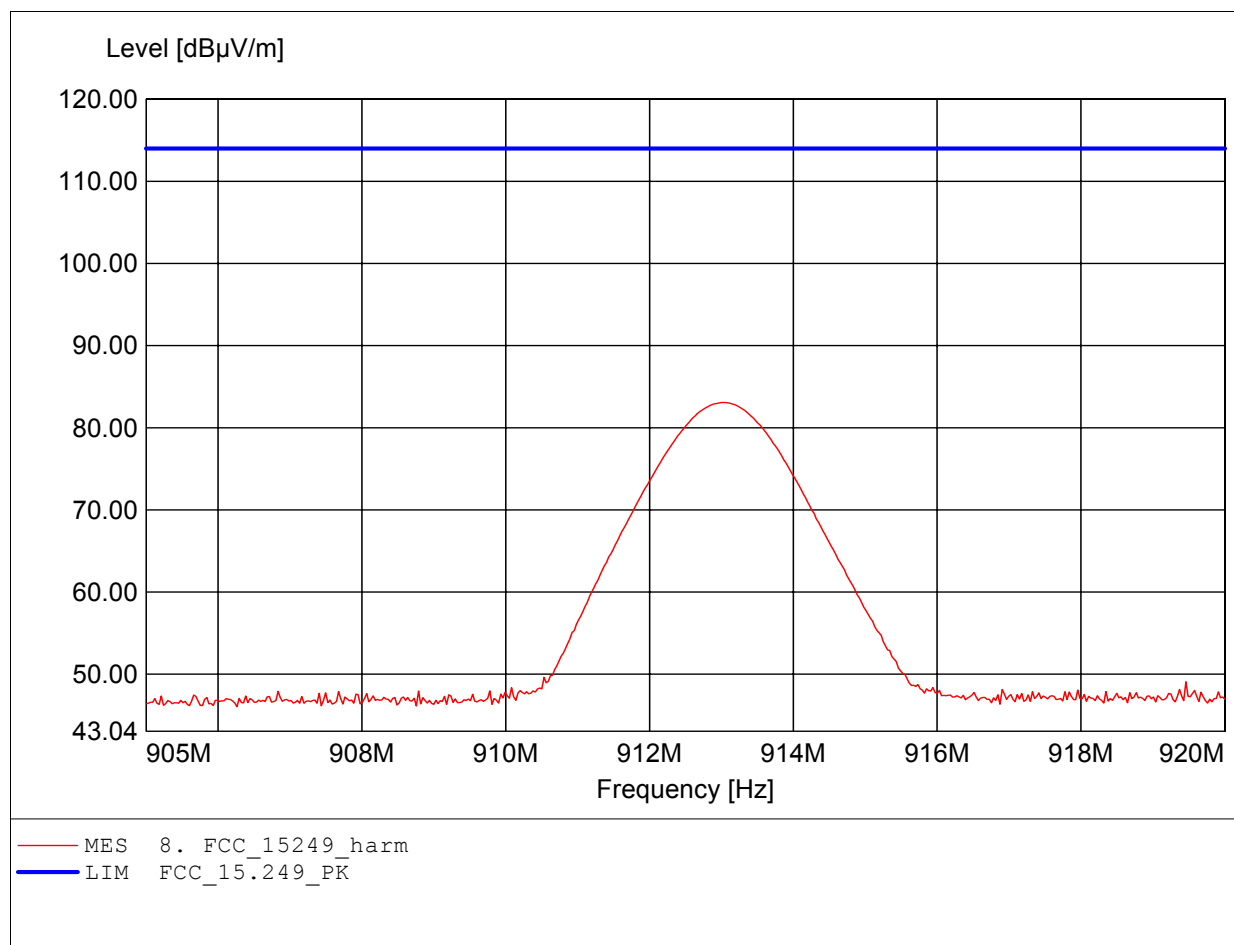
## Appendix A

### Fundamental Field Strength

## Carrier power (Field Strength)

### FCC RULES PART 15, SUBPART C

EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025  
Freq: 913.026MHz, Emax: 83.08dBµV/m, RBW: 1MHz

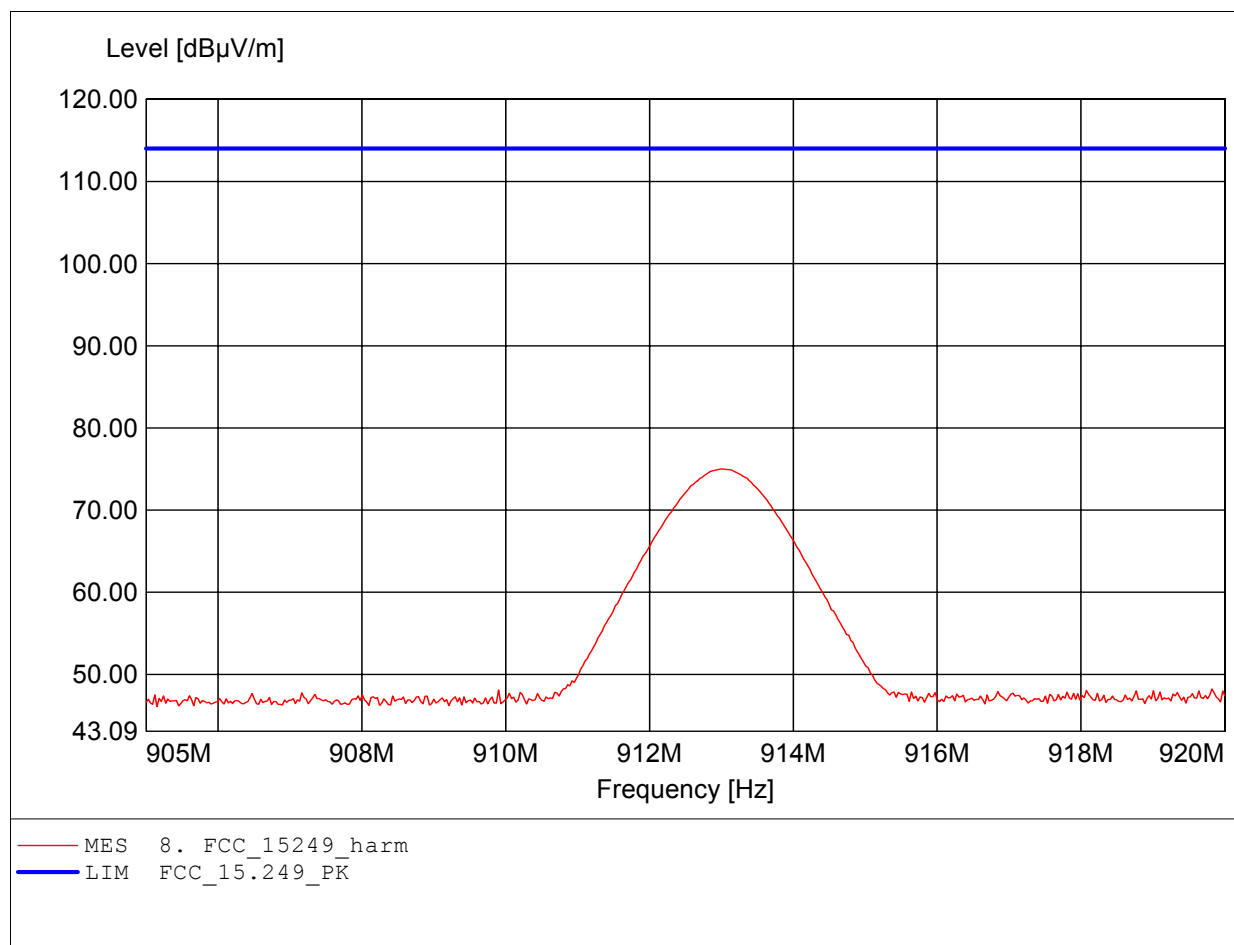




## Carrier power (Field Strength)

### FCC RULES PART 15, SUBPART C

EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025  
Freq: 912.996MHz, Emax: 75.02dBμV/m, RBW: 1MHz





Registration number: W6M20505-5930-P-15  
FCC ID: H8GRHP7

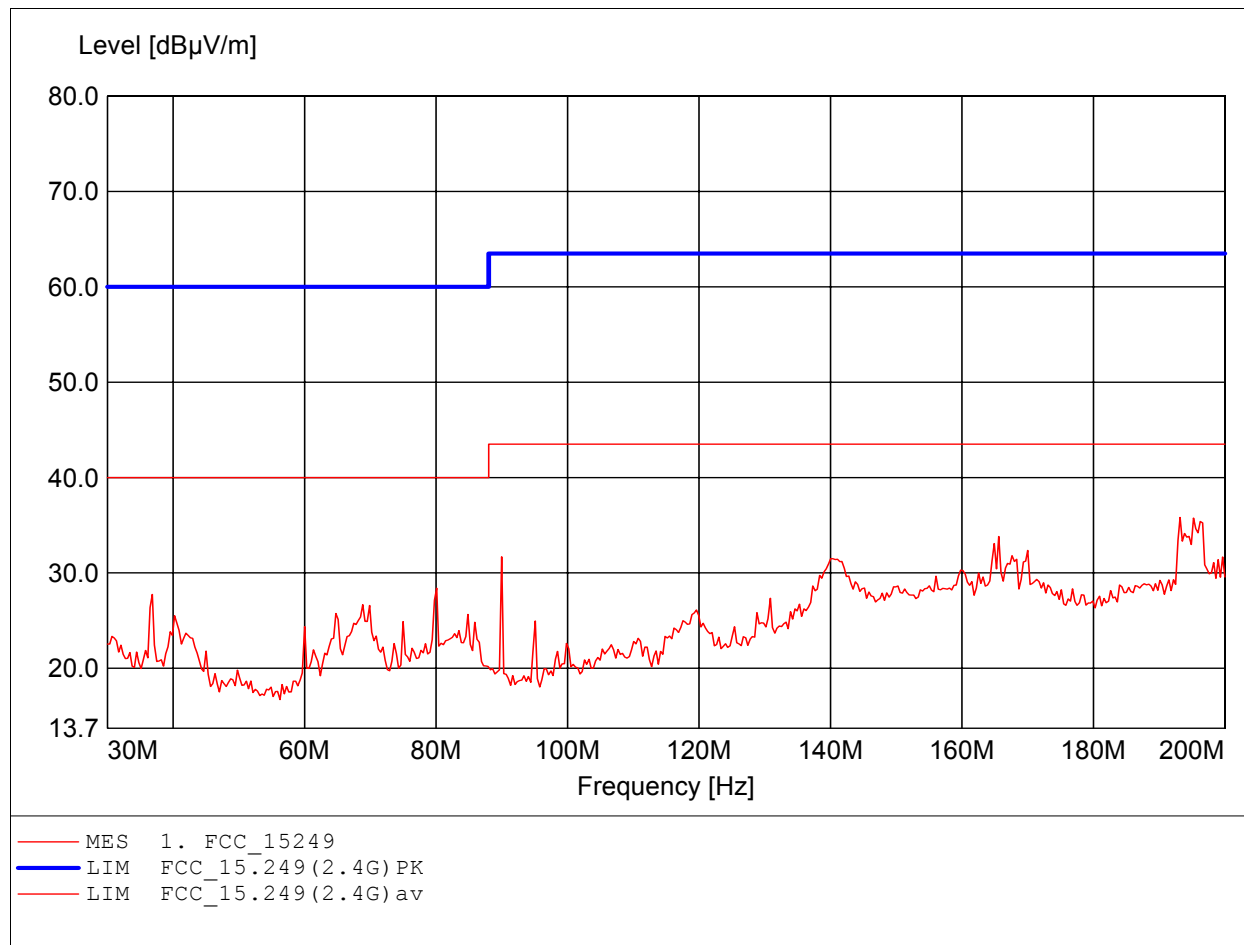
## Appendix B

### Spurious Emissions radiated – Transmitter operating

## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

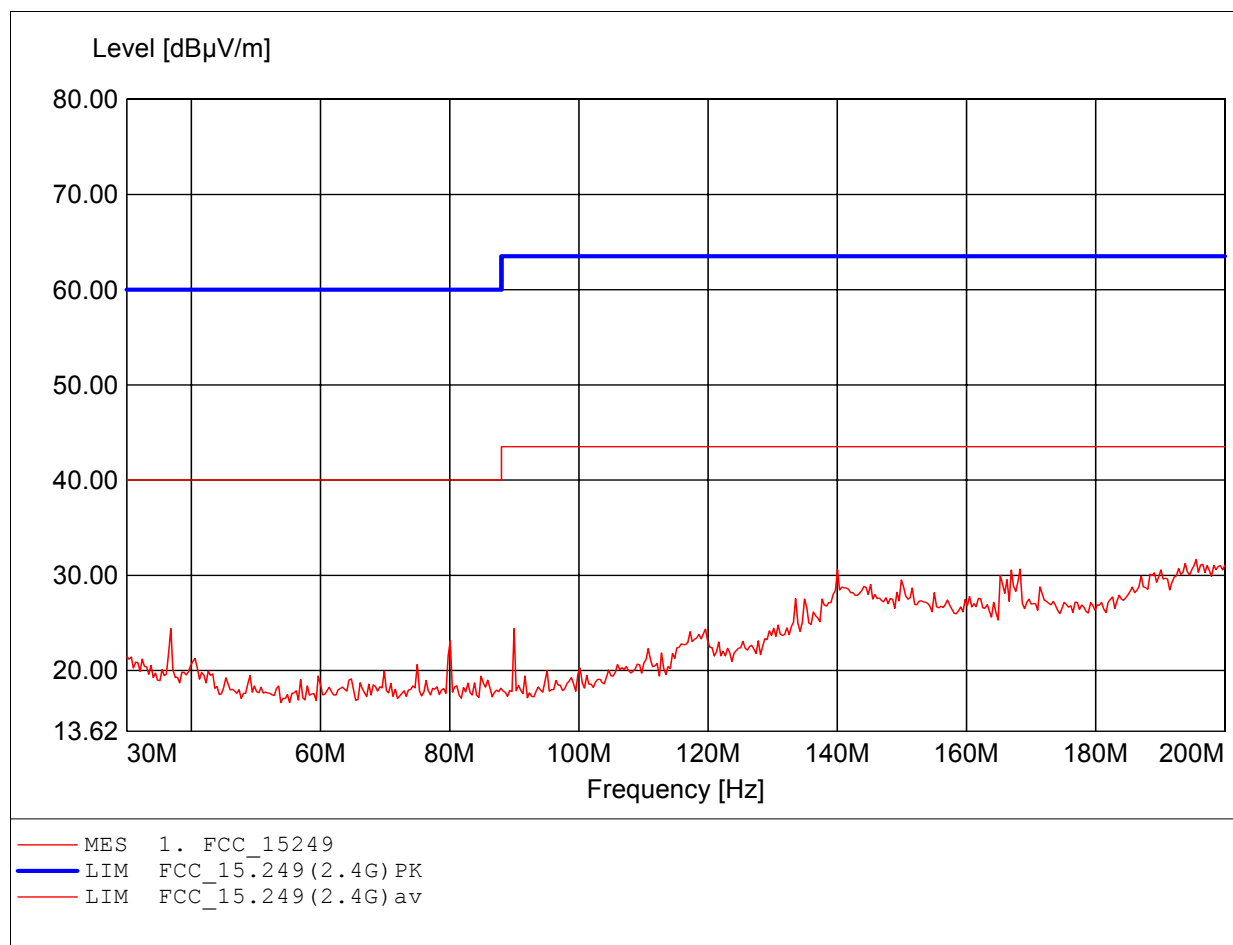
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HK 116  
Freq: 193.186MHz, Emax: 35.80dBµV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

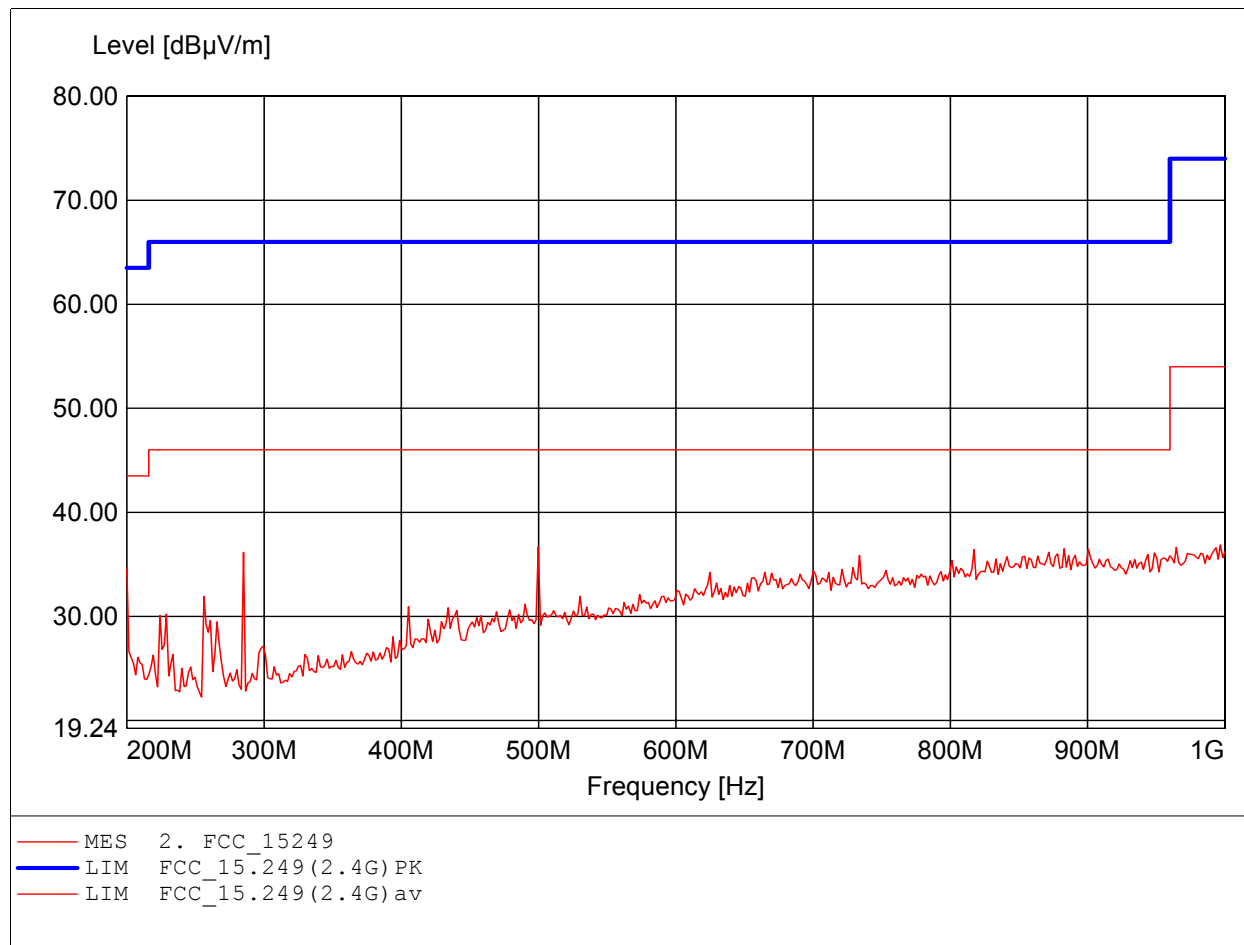
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HK 116  
Freq: 195.571MHz, Emax: 31.65dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

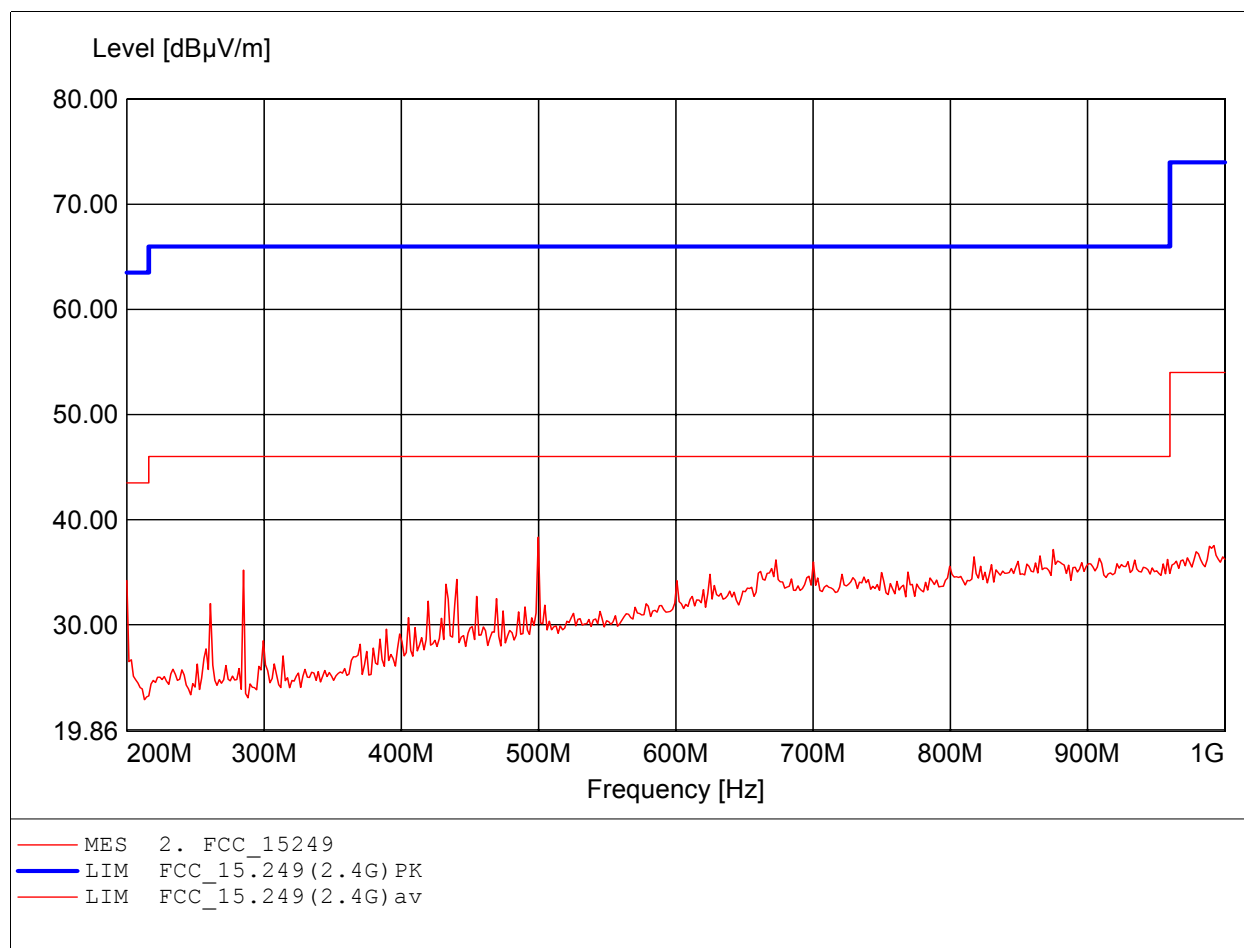
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Freq: 996.794MHz, Emax: 36.87dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

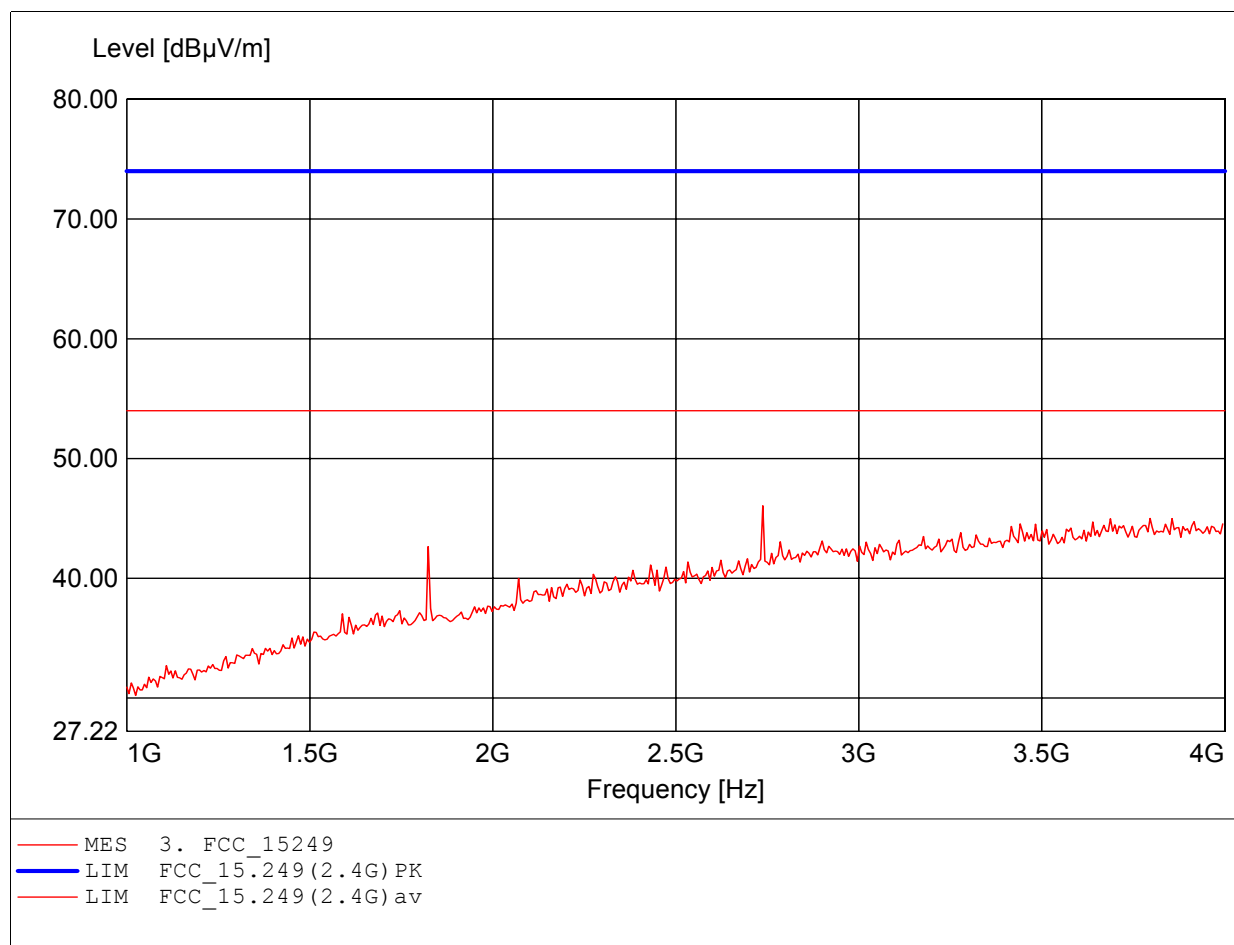
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Freq: 499.800MHz, Emax: 38.33dBµV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

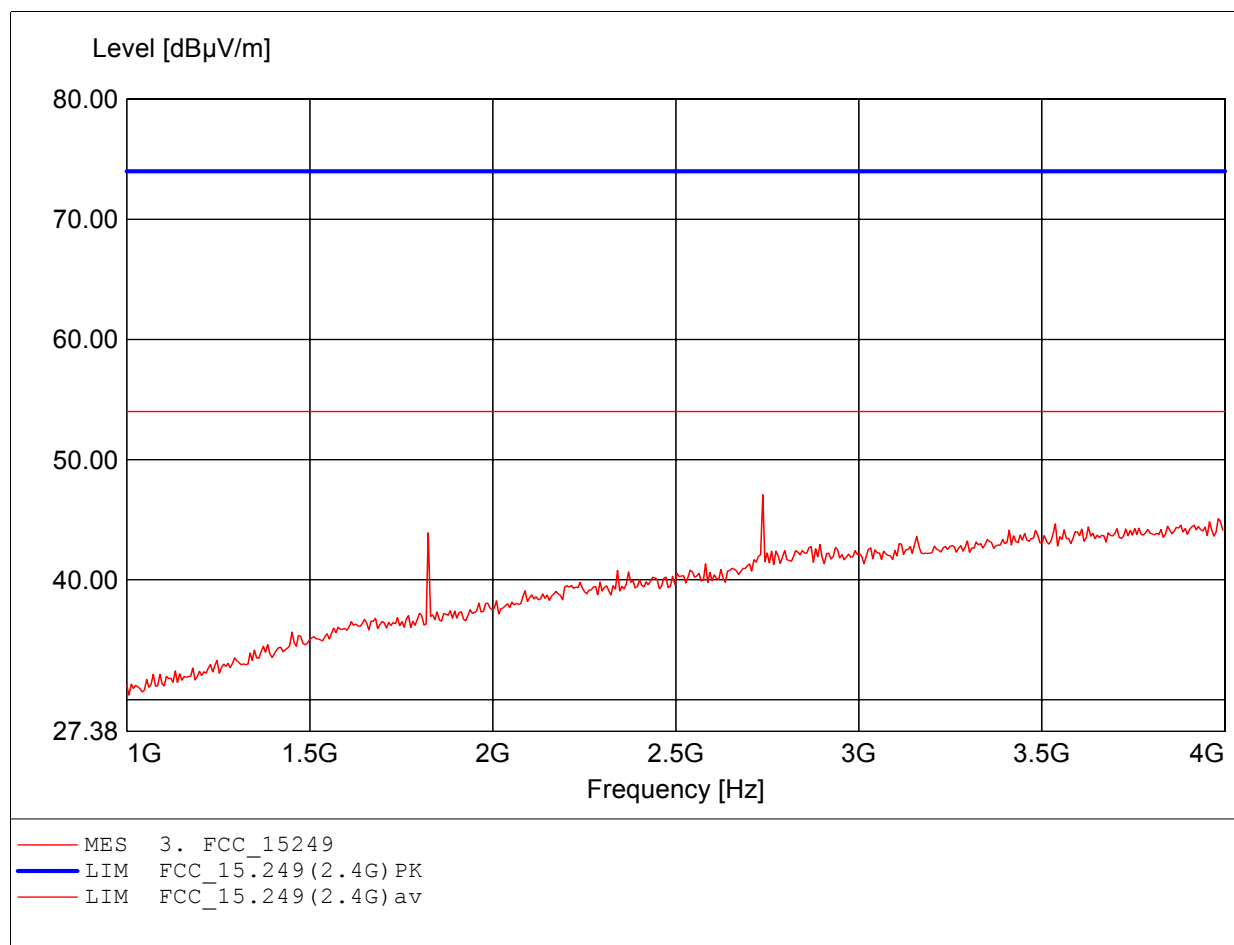
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Freq: 2.737GHz, Emax: 46.05dBµV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Freq: 2.737GHz, Emax: 47.08dBμV/m, RBW: 1MHz

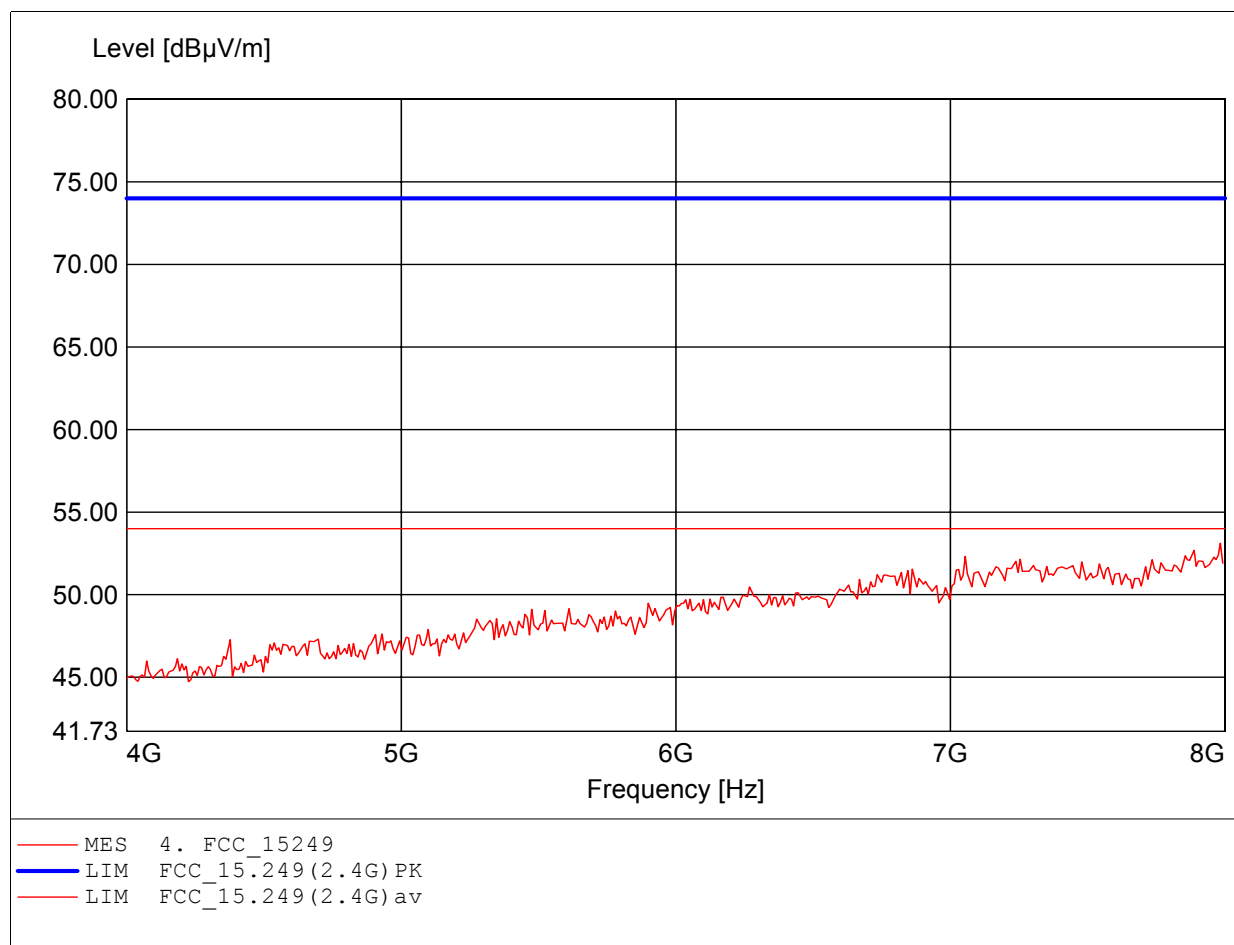




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

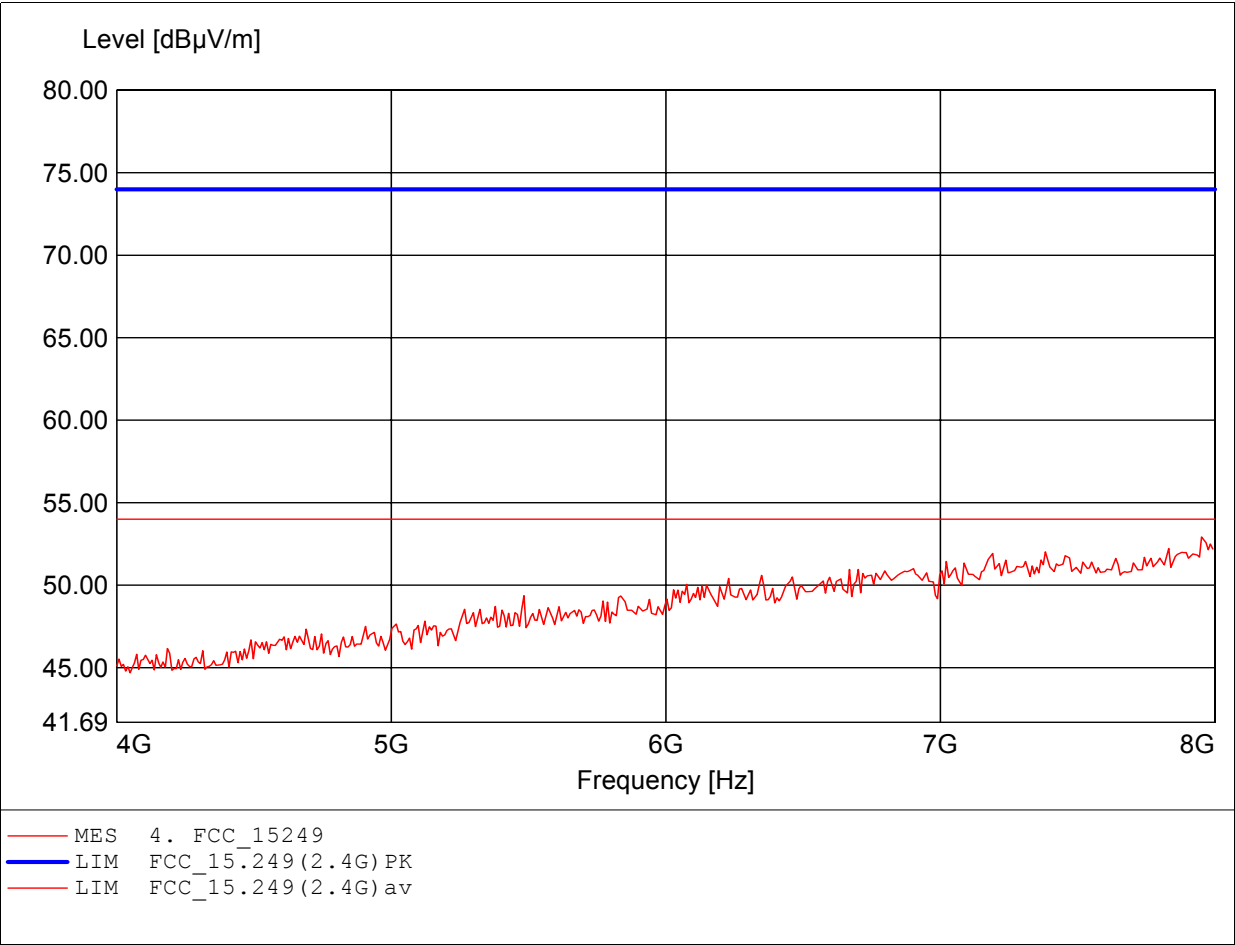
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 7.984GHz, Emax: 53.12dBμV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

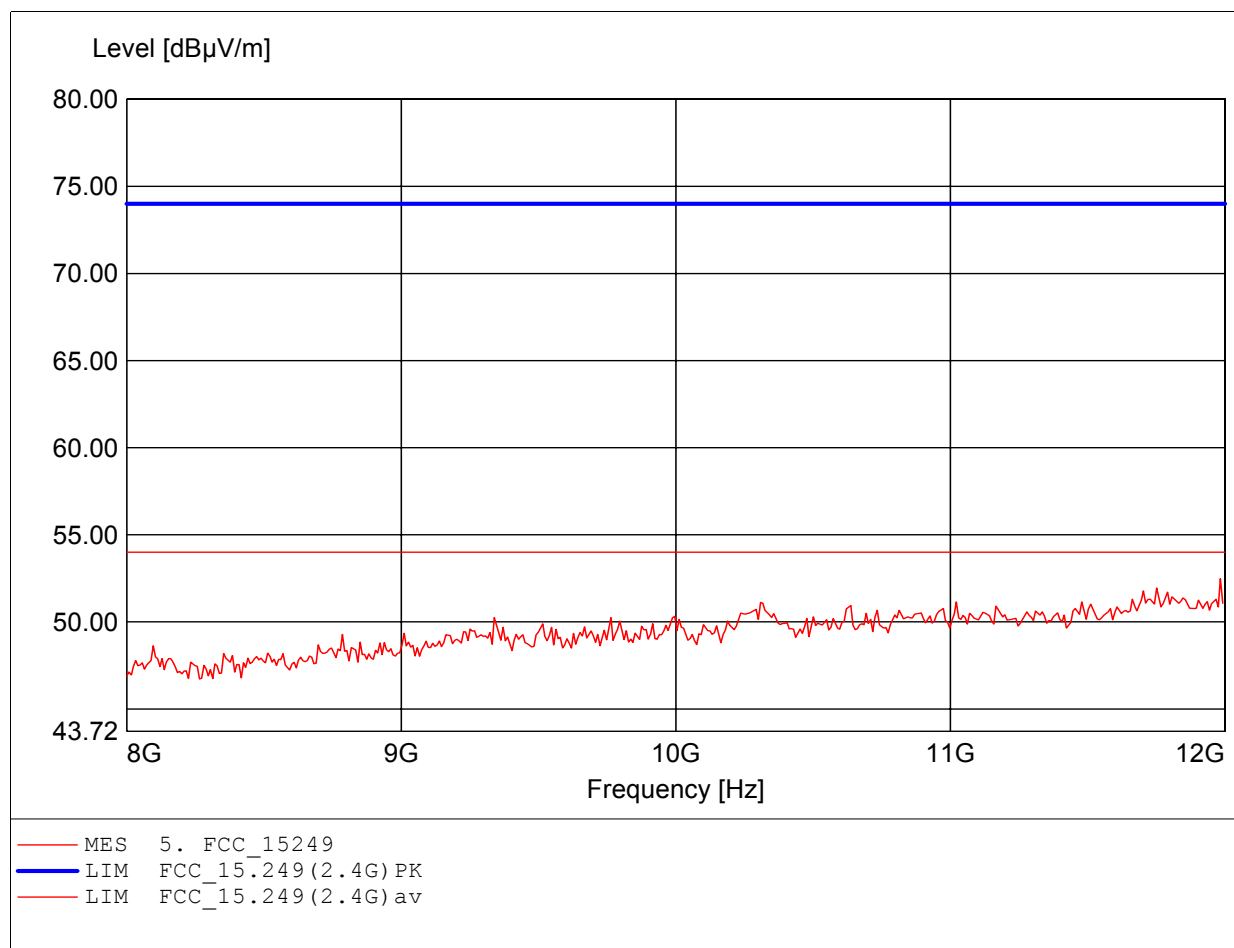
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 7.952GHz, Emax: 52.93dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

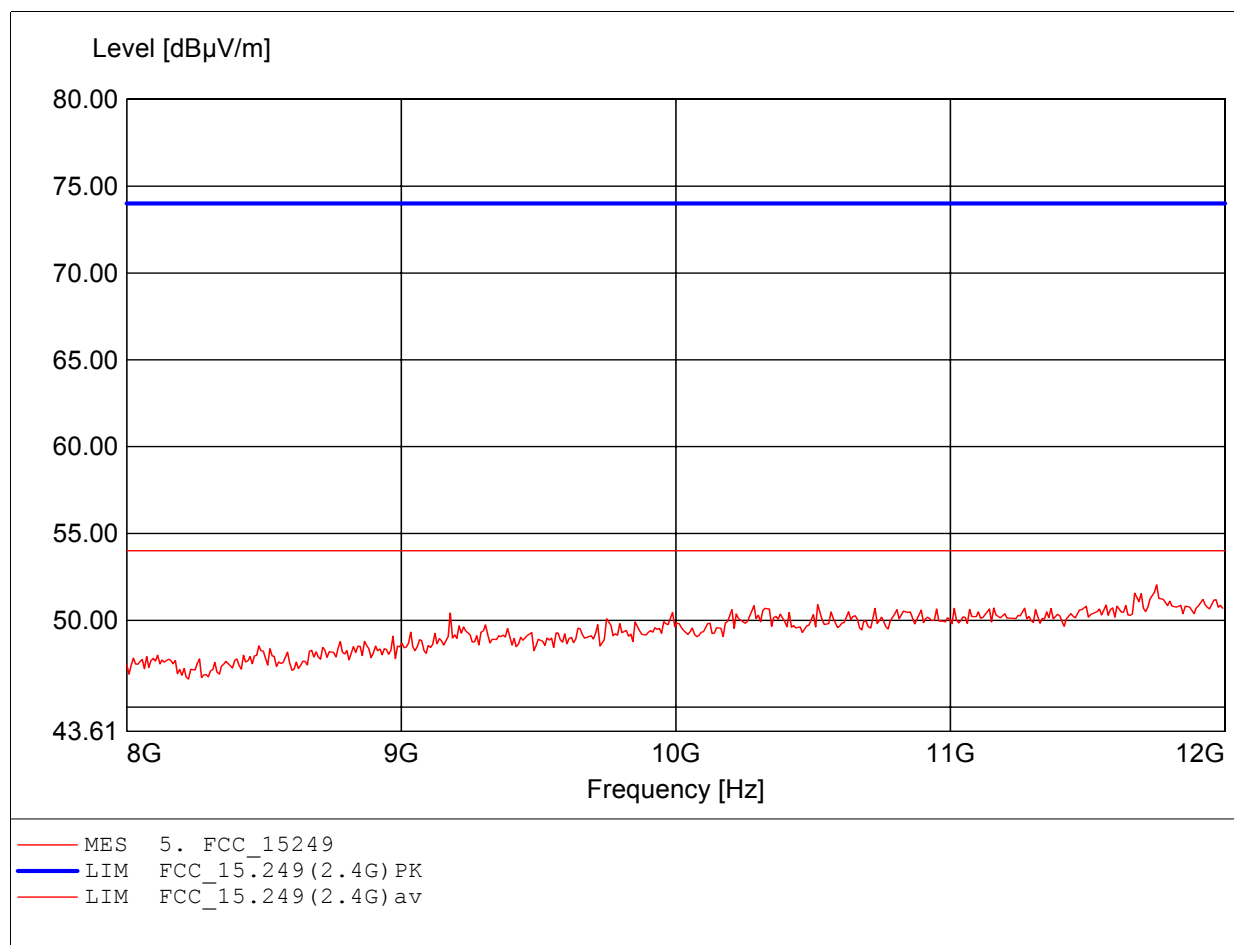
EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 11.984GHz, Emax: 52.48dBμV/m, RBW: 1MHz

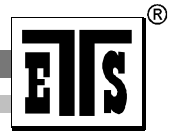


## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

EUT: Wireless Headphone  
MODEL NO.: RHP-7 Middle channel  
Approval Holder: A-Four TECH CO.,LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC (ac/dc adaptor)  
Test Specification: according to §15.249, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 11.752GHz, Emax: 52.04dBμV/m, RBW: 1MHz





Registration number: W6M20505-5930-P-15  
FCC ID: H8GRHP7

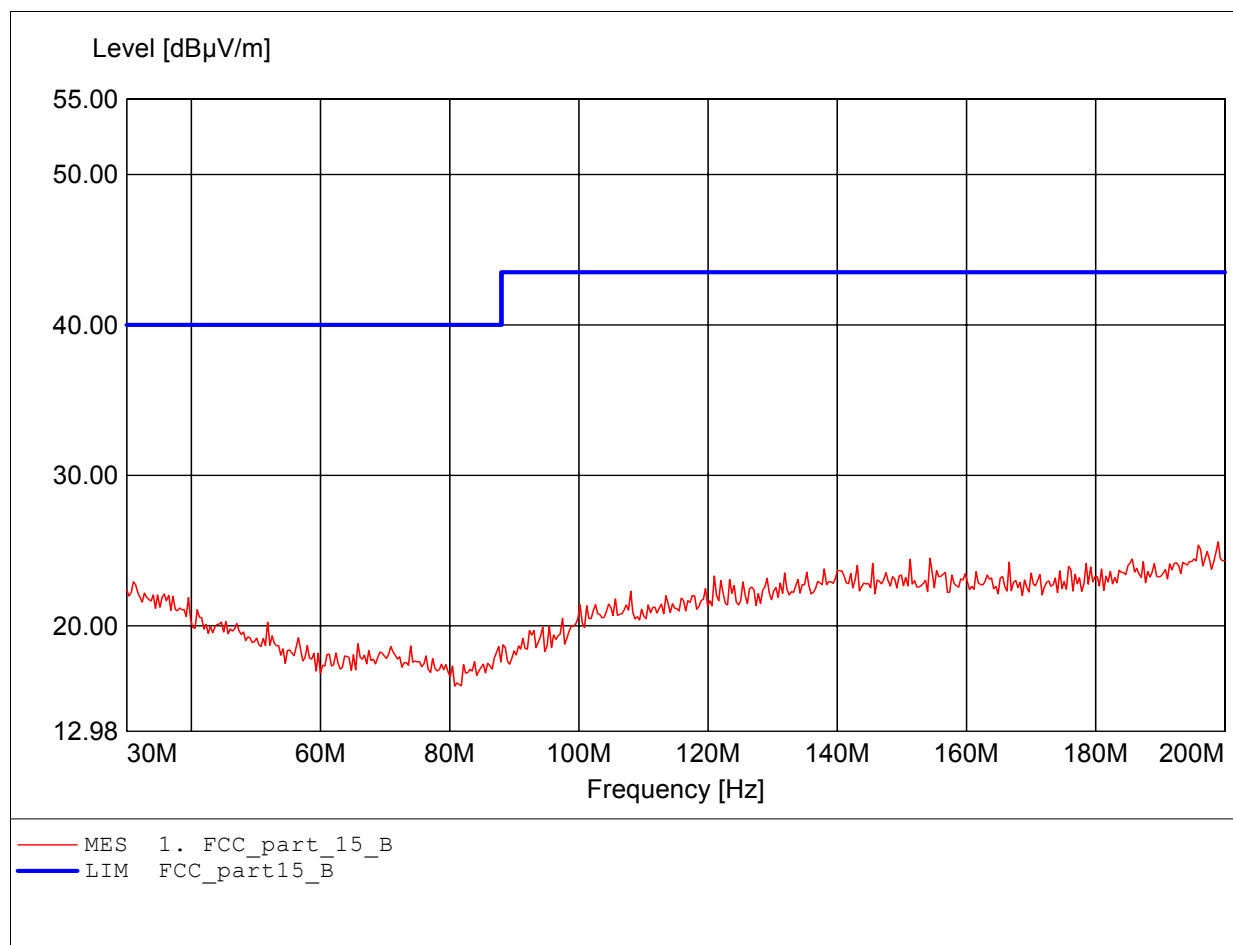
## Appendix C

### Radiated Emission – Receiver operating

## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

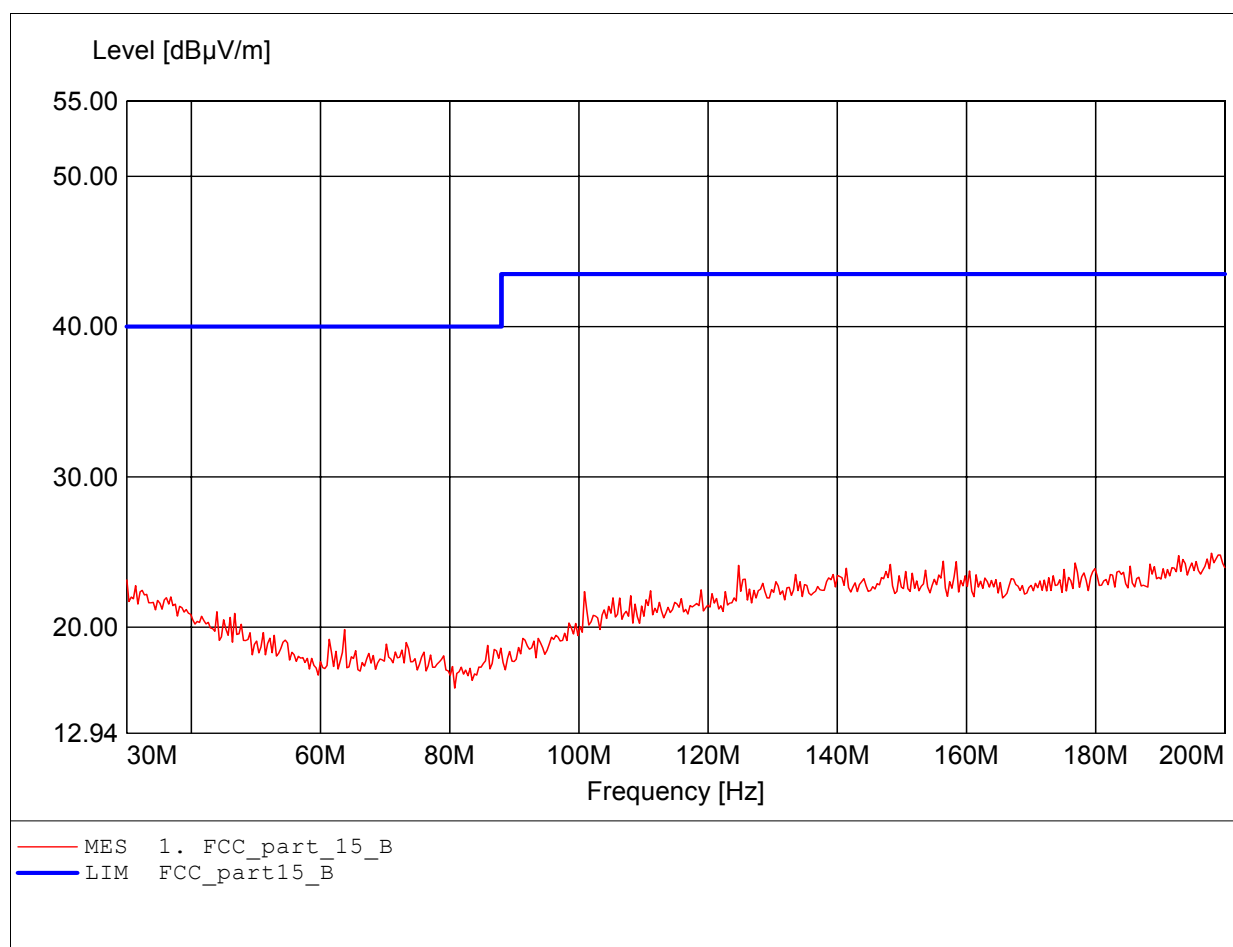
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HK 116  
Freq:198.978MHz Emax:25.57dBμV/m RBW: 100 kHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

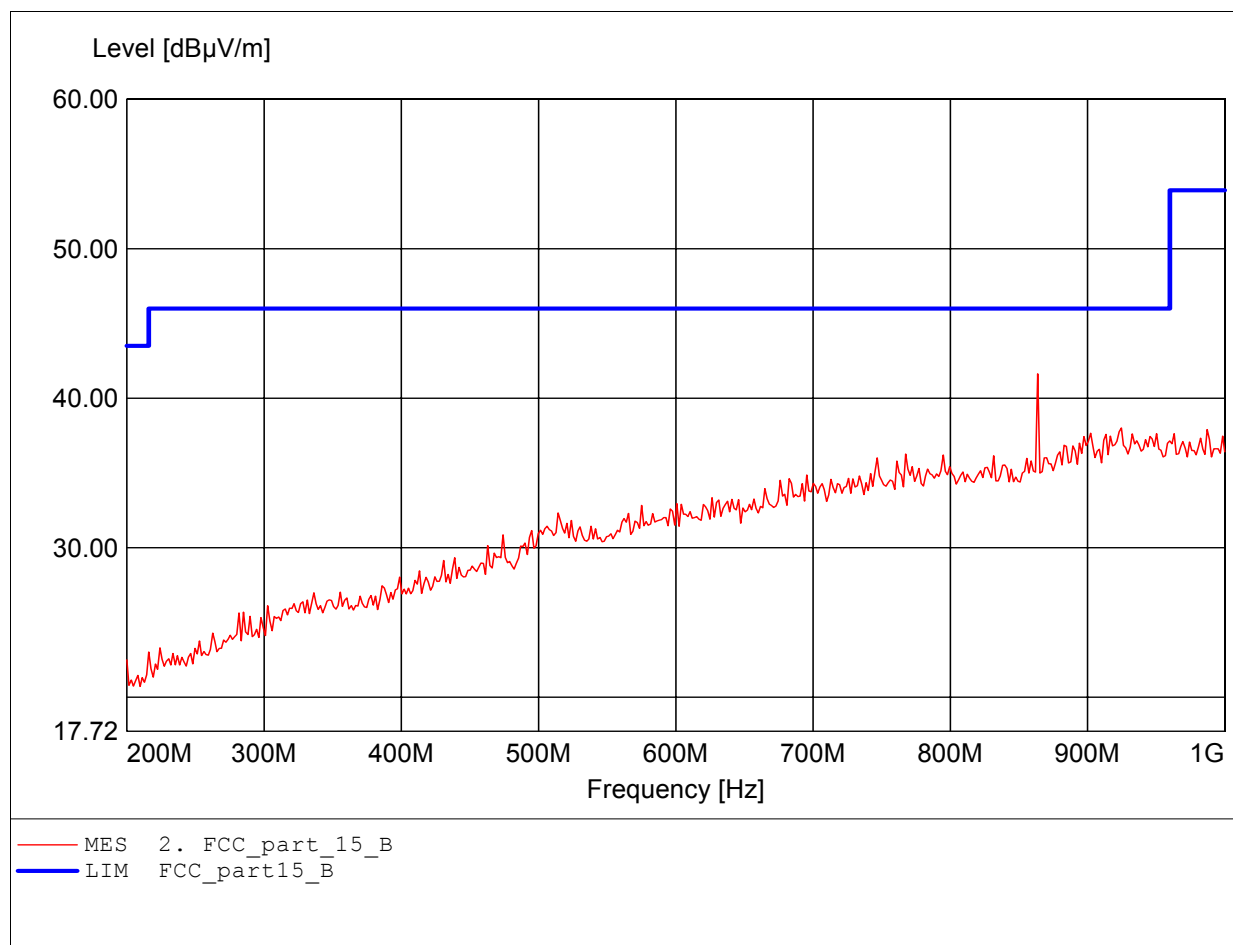
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HK 116  
Freq:197.956MHz Emax:24.93dBμV/m RBW: 100 kHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL 223, ampl.  
Freq:863.727MHz Emax:41.63dBμV/m RBW: 100 kHz

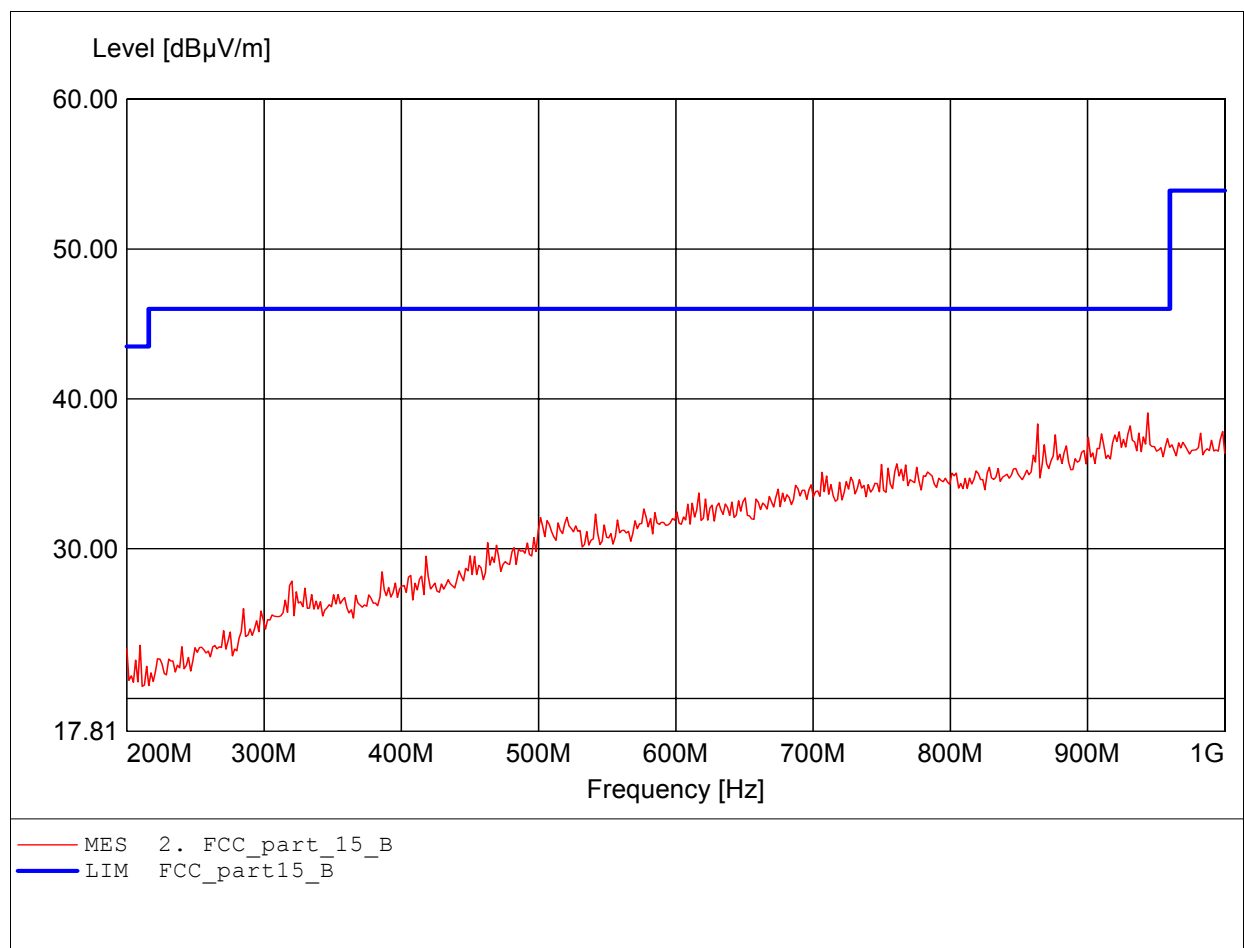




## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

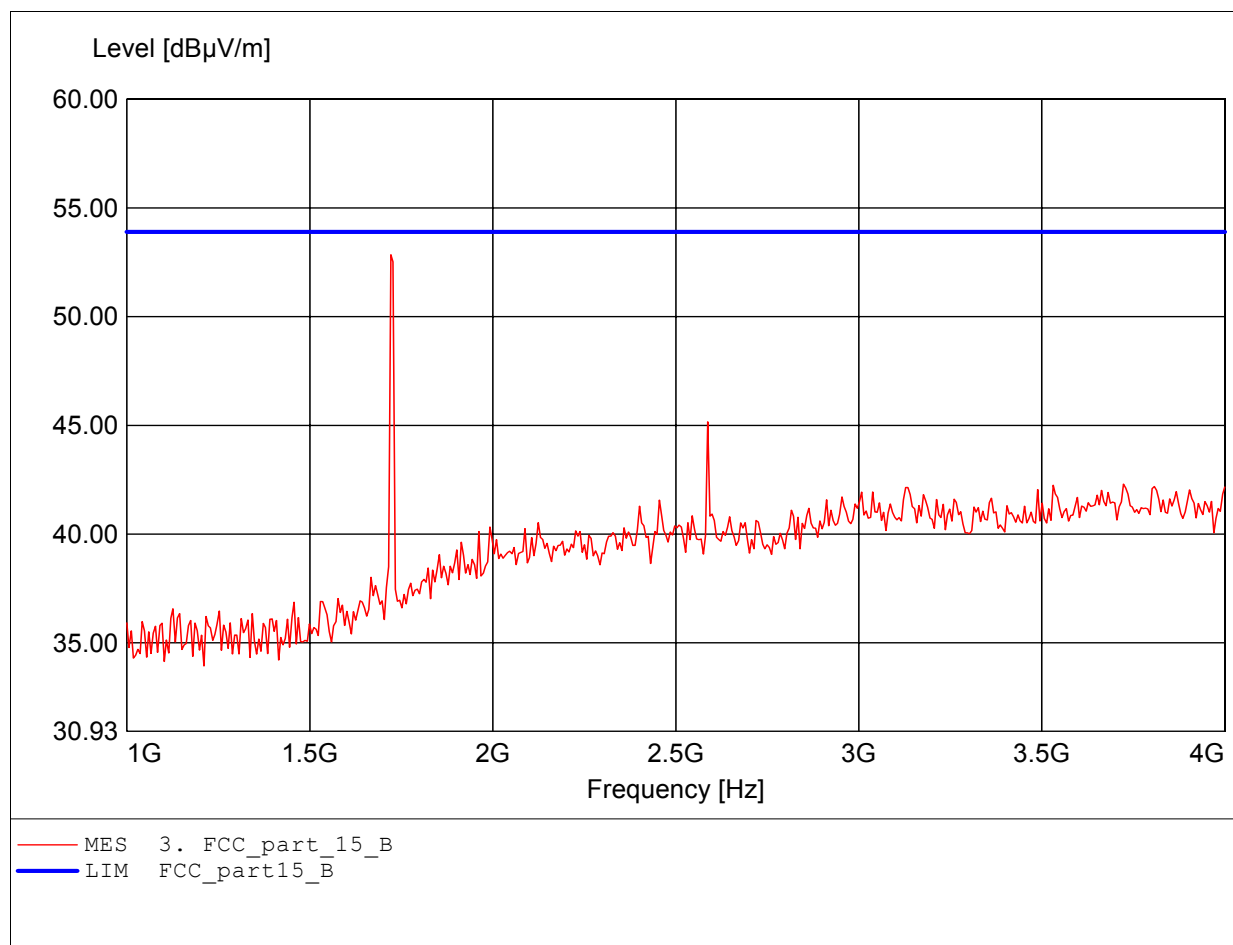
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL 223, ampl.  
Freq: 943.888MHz Emax: 39.06dBμV/m RBW: 100 kHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

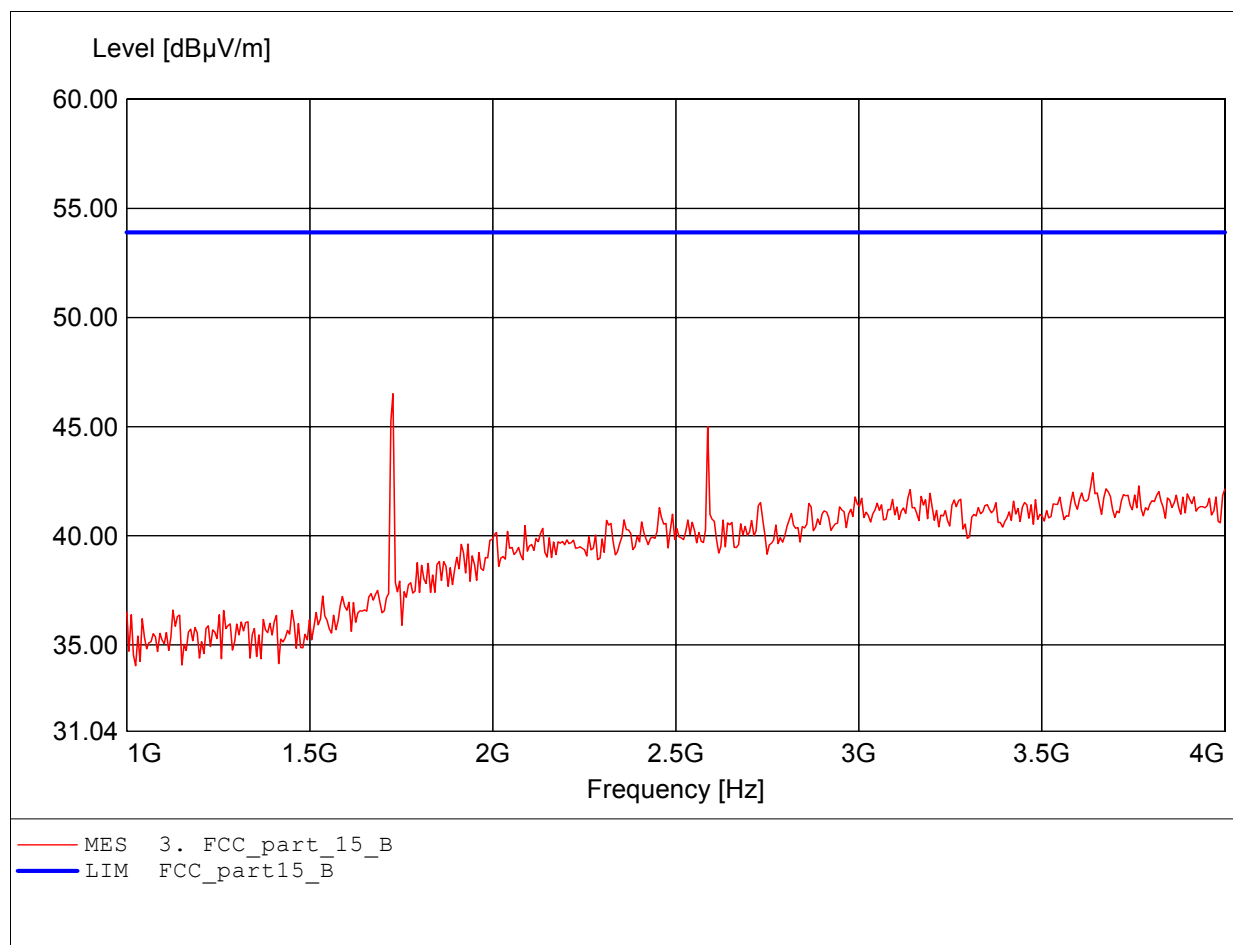
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL25, ampl.  
Freq:1.721GHz Emax:52.85dBμV/m RBW: 1 MHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

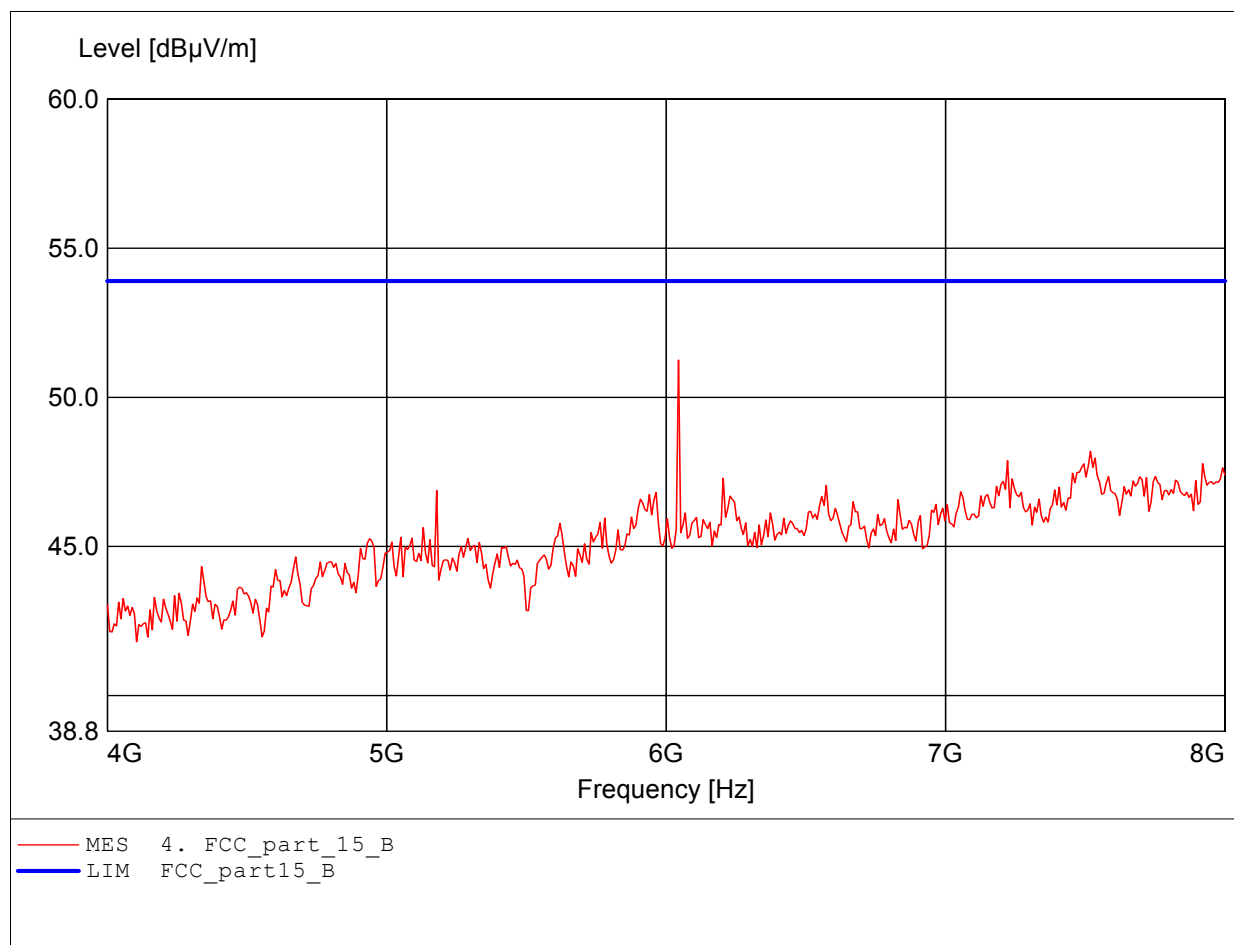
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL25, ampl.  
Freq:1.727GHz Emax:46.51dBμV/m RBW: 1 MHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

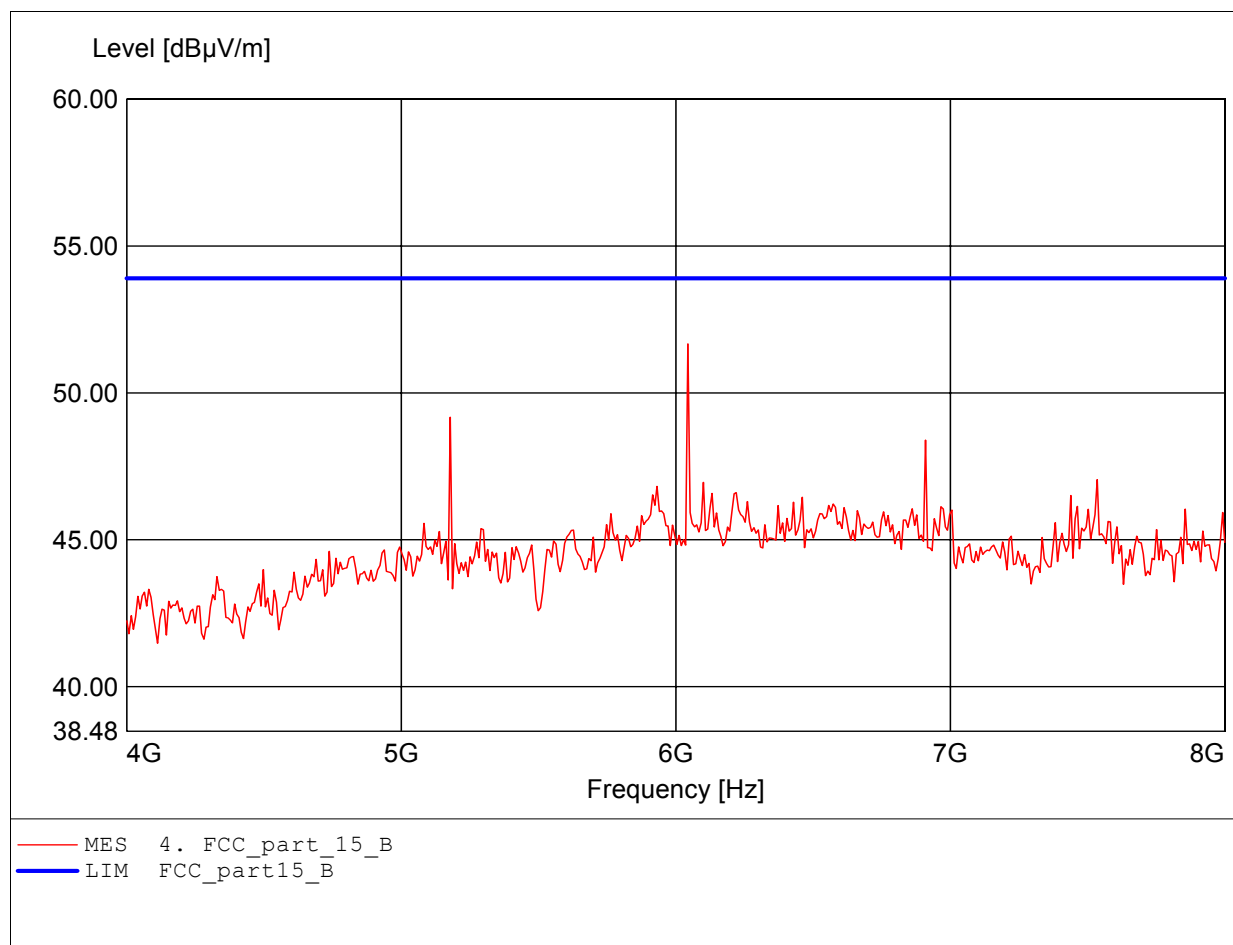
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL25, ampl.  
Freq: 6.044GHz Emax: 51.24dBμV/m RBW: 1 MHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

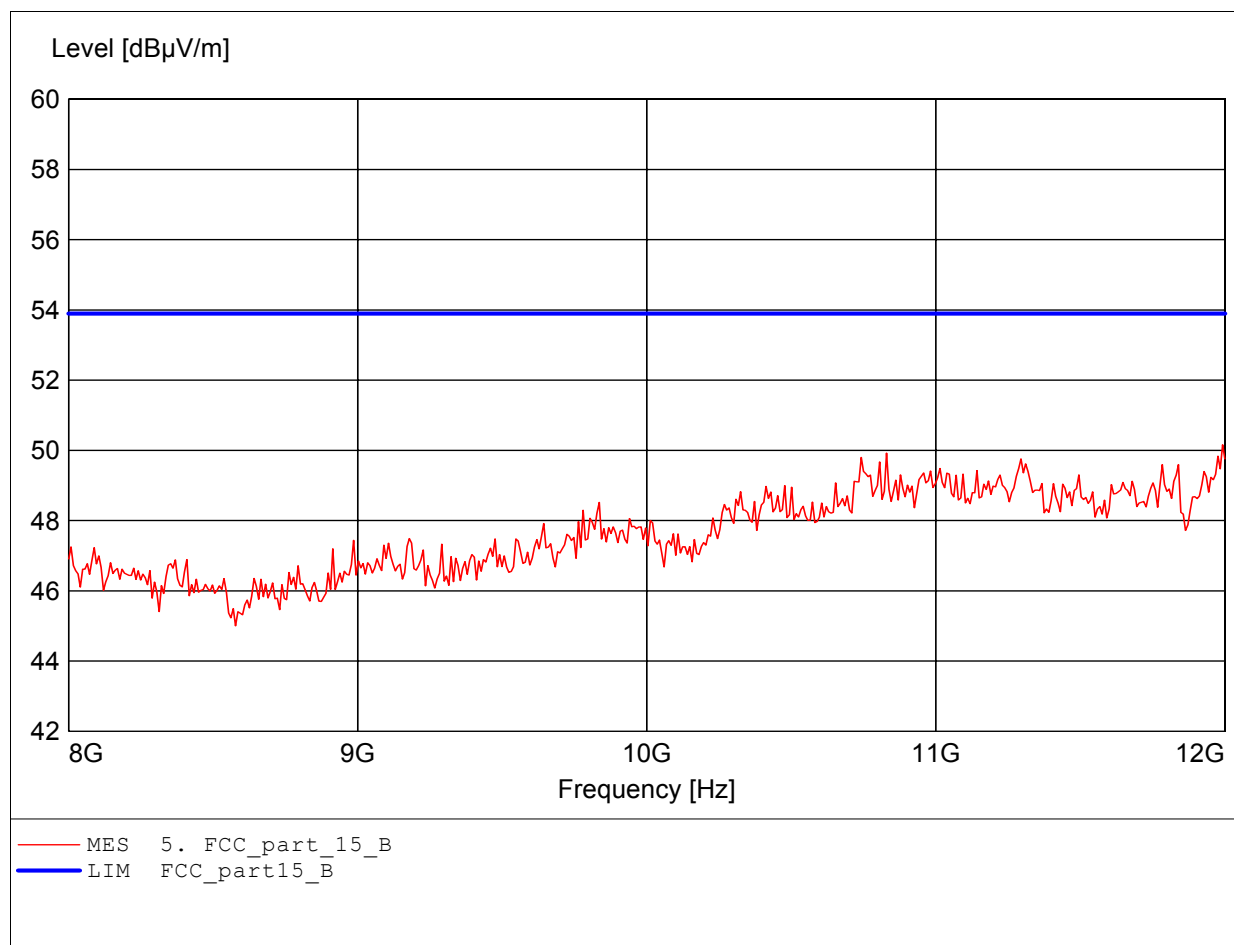
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL25, ampl.  
Freq: 6.044GHz Emax: 51.66dBμV/m RBW: 1 MHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

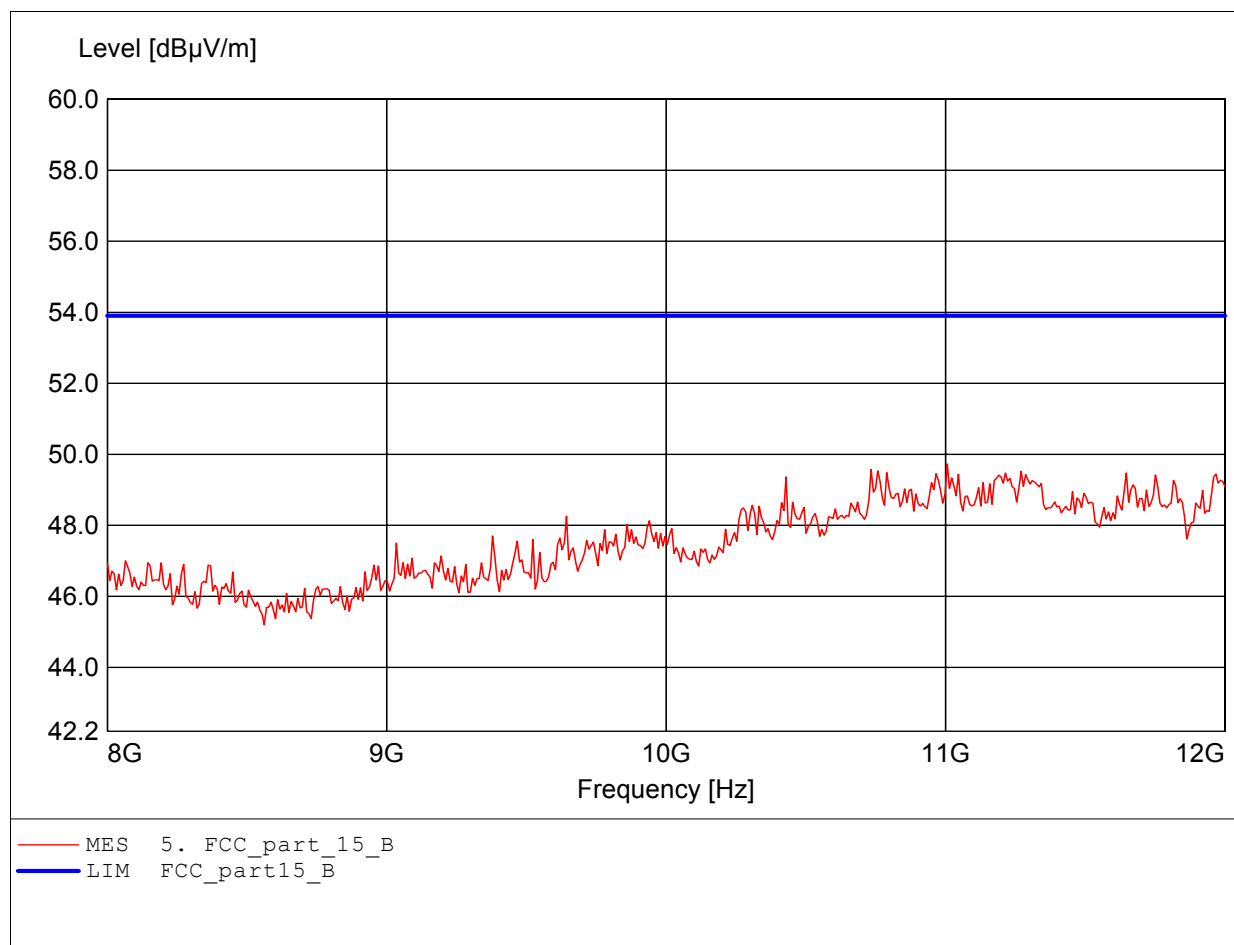
EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL25, ampl.  
Freq: 11.992GHz Emax: 50.16dBμV/m RBW: 1 MHz



## Field Strength under normal conditions

### FCC RULES PART 15, SUBPART B

EUT: Wireless Headphone  
Model: RHP-7 Middle Channel  
Approval Holder: A-FOUR TECH CO., LTD.  
Test Site / Operator: ETS / Catey  
Temperature/Voltage: Temp.: 23°C/ Unom.: 3 VDC (1.5V x 2 Battery)  
Test Specification: according to subpart B  
Dist.: 3m, Ant.: HL25, ampl.  
Freq: 11.006GHz Emax: 49.73dBμV/m RBW: 1 MHz





Registration number: W6M20505-5930-P-15  
FCC ID: H8GRHP7

## Appendix D

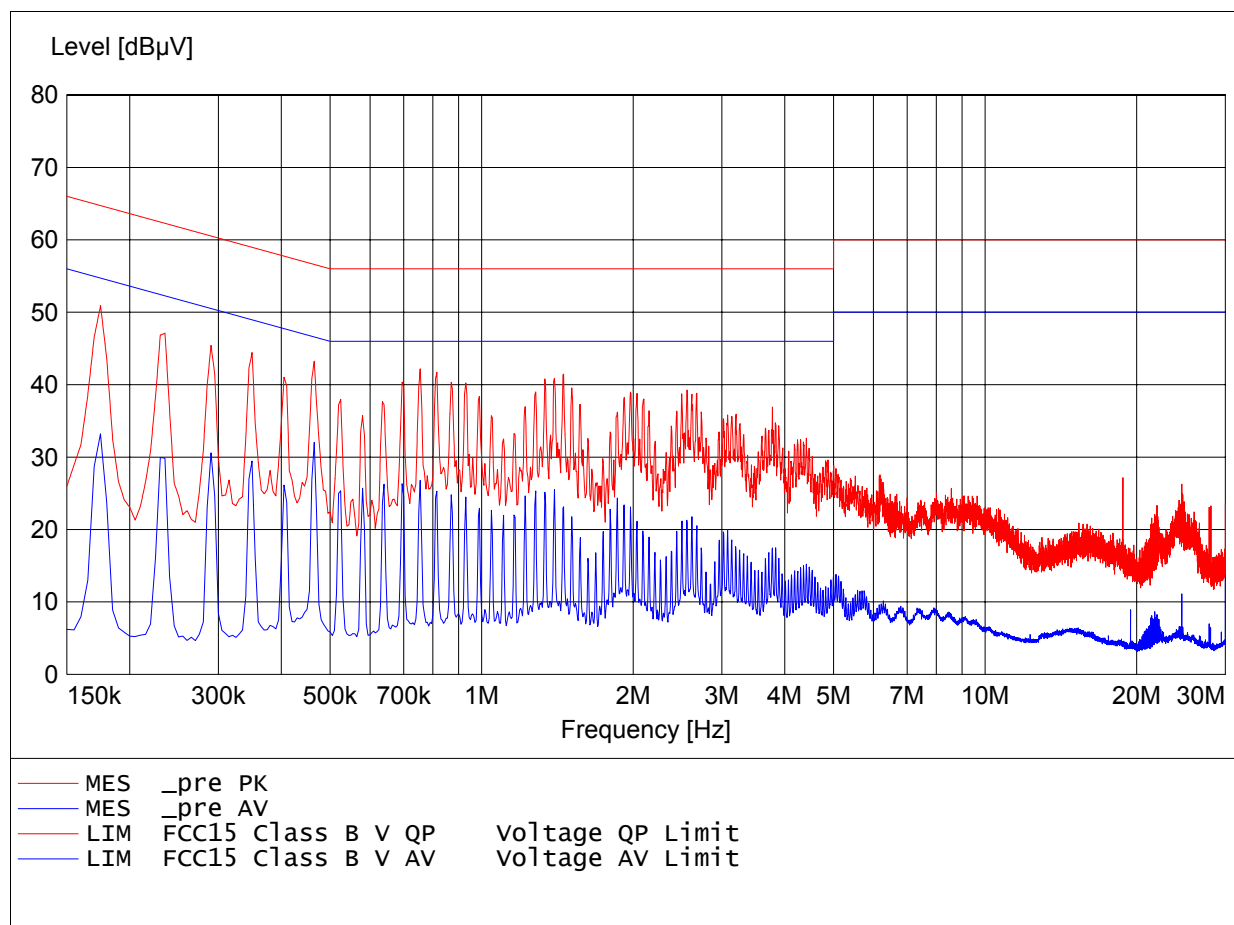
### Power Line Conducted Emission



# EMI voltage test in the ac-mains according to FCC Part 15

## Class B

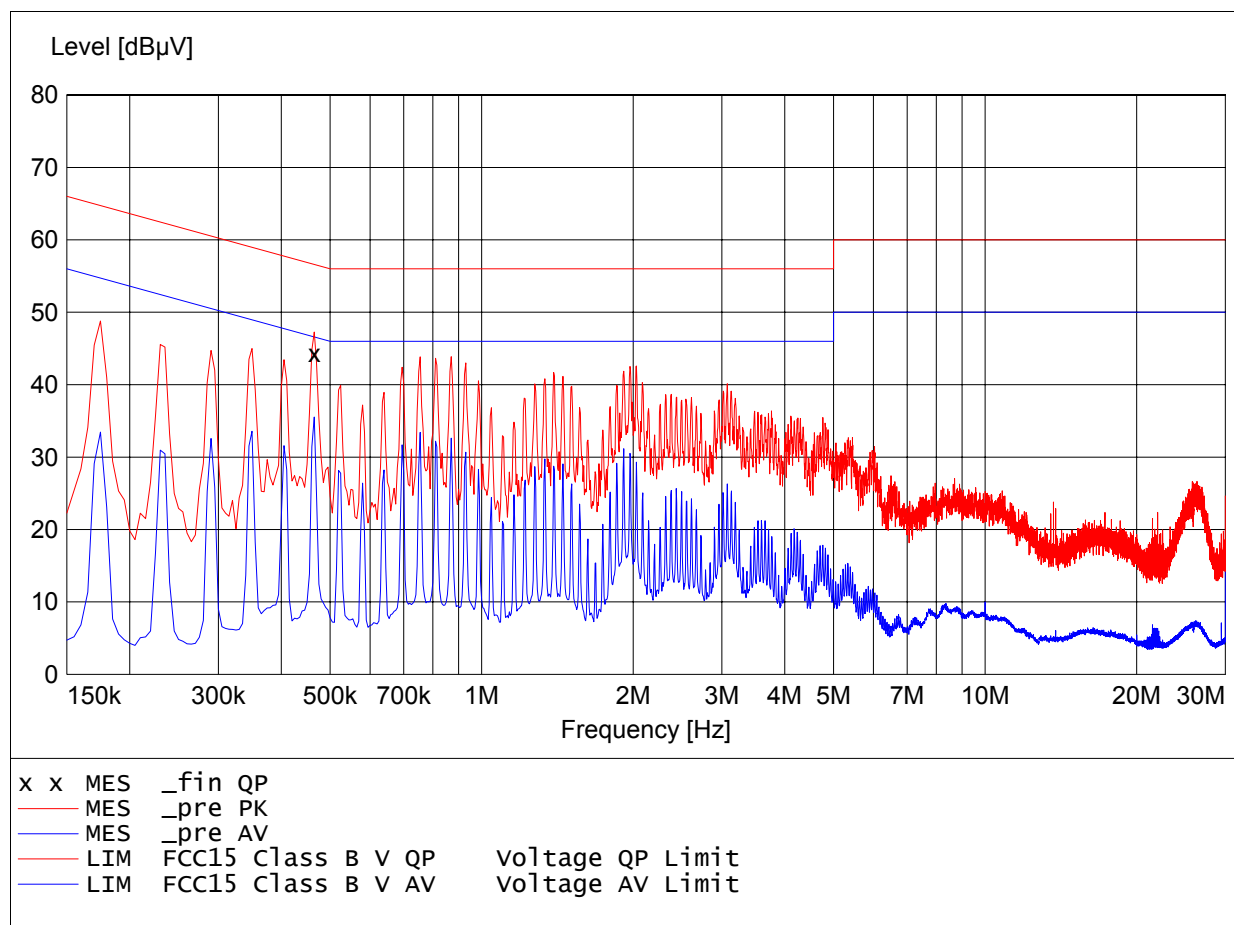
EUT: Wireless Headphone  
Manufacturer: A-Four TECH CO., LTD.  
Operating Condition: Unom: 120 VAC (ac/dc adaptor) , Tnom: 23°C  
Test Site: ETS  
Operator: Catey  
Test Specification: V-network: ESH3-Z5 N  
Comment : model: RHP-7 mode: active



# EMI voltage test in the ac-mains according to FCC Part 15

## Class B

EUT: Wireless Headphone  
Manufacturer: A-Four TECH CO., LTD.  
Operating Condition: Unom: 120 VAC (ac/dc adaptor) , Tnom: 23°C  
Test Site: ETS  
Operator: Catey  
Test Specification: V-network: ESH3-Z5 L1  
Comment : model: RHP-7 mode: active



**EMI voltage test in the ac-mains according to FCC Part 15**

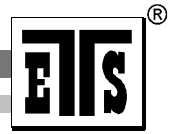
**Class B**

EUT: Wireless Headphone  
Manufacturer: A-Four TECH CO., LTD.  
Operating Condition: Unom: 120 VAC (ac/dc adaptor) , Tnom: 23°C  
Test Site: ETS  
Operator: Catey  
Test Specification: V-network: ESH3-Z5 L1  
Comment : model: RHP-7 mode: active

**MEASUREMENT RESULT: "\_fin QP"**

6/2/05 5:01PM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|------|-----|
| 0.465000         | 44.30         | 10.0         | 57            | 12.3         | ---  | --- |



Registration number: W6M20505-5930-P-15  
FCC ID: H8GRHP7

## **Appendix E**

### Pictures