

APPLICATION FOR CERTIFICATION

On Behalf of

Creative Technology Ltd.

Wireless Headset

Model No. : GH0100B

FCC ID : IBAAVPGH0100B

Prepared for : Creative Technology Ltd.  
31 International business park creative resource  
Singapore 609921.

Prepared by : AUDIX Technology Corporation  
EMC Department  
No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,  
Taipei Hsien, Taiwan

Tel : (02) 2609-9301, 2609-2133  
Fax: (02) 2609-9303

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Date of Test : Oct. 21 ~ 27, 2009  
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#### APPENDIX I (Radiated Test Data for frequency rang above 1GHz at Semi-Anechoic Chamber)

## TEST REPORT CERTIFICATION

Applicant : Creative Technology Ltd.  
 Manufacturer : Concord Electronic (Huizhou) Factory  
 EUT Description : Wireless Headset  
 FCC ID : IBAAVPGH0100B  
           (A) Model No. : GH0100B  
           (B) Serial No. : N/A  
           (C) Power Supply : DC 3.7V  
           (D) Test Voltage : AC 120V/60Hz (Via Notebook PC)  
                               DC 3.7V (Via Battery)

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART C, July. 2008  
AND ANSI C63.4/2003

(FCC CFR 47 Part 15C, §15.207 and §15.209 and §15.247)

The device described above was tested by AUDIX Technology Corporation to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15 subpart C limits.

The measurement results are contained in this test report and AUDIX Technology Corporation is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX Technology Corporation.

Date of Test : Oct. 21 ~ 27, 2009      Date of Report : Oct. 27, 2009

Producer : Julie Hsu  
 (Julie Hsu/Assistant Administrator)

Review : Henning Chang  
 (Henning Chang/Supervisor)

Signatory : Ben Cheng  
 (Ben Cheng/Manager)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

|                           |   |                                                                                                       |
|---------------------------|---|-------------------------------------------------------------------------------------------------------|
| Description               | : | Wireless Headset                                                                                      |
| Model Number              | : | GH0100B                                                                                               |
| Serial Number             | : | N/A                                                                                                   |
| FCC ID                    | : | IBAAVPGH0100B                                                                                         |
| Applicant                 | : | Creative Technology.Ltd.<br>31 International business park creative resource<br>Singapore 609921      |
| Manufacturer              | : | Concord Electronic (Huizhou) Factory<br>21,PingAn Road,ShuiKou,HuiCheng<br>District,HuiZhou,GuangDong |
| Modulation Technology     | : | PI/4 DQPSK Modulation                                                                                 |
| Frequency Band            | : | 2405MHz ~ 2477MHz                                                                                     |
| Tested Frequency          | : | 2405MHz (Channel 02)<br>2441MHz (Channel 20)<br>2477MHz (Channel 38)                                  |
| Frequency Channel         | : | 37 channels                                                                                           |
| Antenna Gain              | : | 0.5dBi                                                                                                |
| Li-ion Battery            | : | 3.7V, 720mAh                                                                                          |
| USB Cable                 | : | Non-Shielded, Detachable, 1.8m                                                                        |
| Date of Receipt of Sample | : | Oct. 15, 2009                                                                                         |
| Date of Test              | : | Oct. 21 ~ 27, 2009                                                                                    |

## 1.2. Tested Supporting System Details

### 1.2.1. NOTEBOOK PC

|               |   |                                           |
|---------------|---|-------------------------------------------|
| Model Number  | : | PP2130                                    |
| Serial Number | : | 5Y32KSQZ40ME                              |
| FCC ID        | : | By DoC                                    |
| BSMI ID       | : | 3912A556                                  |
| Manufacturer  | : | LG (Brand: Compaq)                        |
| AC Adapter    | : | COMPAQ, M/N:PA-1650-02C                   |
|               |   | FCC By DoC                                |
|               |   | DC Cord: Non-Shielded, Undetachable, 1.8m |
| Power Cord    | : | Non-Shielded, Detachable, 1.8m            |

### 1.2.2. DOT MATRIX PRINTER

|               |   |                                |
|---------------|---|--------------------------------|
| Model Number  | : | KX-P2135                       |
| Serial Number | : | 8DMCNC02139                    |
| FCC ID        | : | ACJ5Z6KX-P2135                 |
| BSMI ID       | : | 3872A371                       |
| Manufacturer  | : | Matsushita (Brand: Panasonic)  |
| Data Cable    | : | Shielded, Detachable, 1.5m     |
| Power Cord    | : | Non-Shielded, Detachable, 1.8m |

### 1.2.3. USB MOUSE

|               |   |                                  |
|---------------|---|----------------------------------|
| Model Number  | : | M-S69                            |
| Serial Number | : | F6AB70S5BPMOGQ6                  |
| FCC ID        | : | JNZ211443                        |
| BSMI ID       | : | R41126                           |
| Manufacturer  | : | Logitech (Brand: HP)             |
| Data Cable    | : | Non-Shielded, Undetachable, 1.8m |

### 1.2.4. JIG

|               |   |                                |
|---------------|---|--------------------------------|
| Model Number  | : | N/A                            |
| Serial Number | : | N/A                            |
| Signal Cable  | : | Non-Shielded, detachable, 0.2m |
| USB Cable     | : | Non-Shielded, detachable, 1.8m |
|               |   | Bonded two ferrite cores       |

## 1.3. Description of Test Facility

Name of Firm : **AUDIX Technology Corporation**  
**EMC Department**  
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,  
 Taipei Hsien, Taiwan

Test Location & Facility (C2/AC) : **No. 2 Shielded Room**  
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,  
 Taipei Hsien, Taiwan.

**Semi-Anechoic Chamber**  
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,  
 Taipei Hsien, Taiwan.

May 14, 2009 File on  
 Federal Communication Commission  
 Registration Number: 90993

NVLAP Lab. Code : 200077-0

TAF Accreditation No : 1724

## 1.4. Measurement Uncertainty

| Test Item                        | Frequency Range | Uncertainty (dB), (V/m) |
|----------------------------------|-----------------|-------------------------|
| Conduction Test                  | 150kHz~30MHz    | ±1.73dB                 |
| Radiation Test<br>(Distance: 3m) | 30MHz~300MHz    | ± 2.91dB                |
|                                  | 300MHz~1000MHz  | ± 2.74dB                |
|                                  | Above 1GHz      | ± 5.02dB                |

Remark : Uncertainty =  $k_{uc}(y)$

| Test Item                 | Uncertainty |
|---------------------------|-------------|
| 6dB Bandwidth             | ± 0.05kHz   |
| Emission Limitations      | ± 0.13dB    |
| Maximum peak output power | ± 0.33dBm   |
| Band edges                | ± 0.13dB    |
| Power spectral density    | ± 0.13dB    |

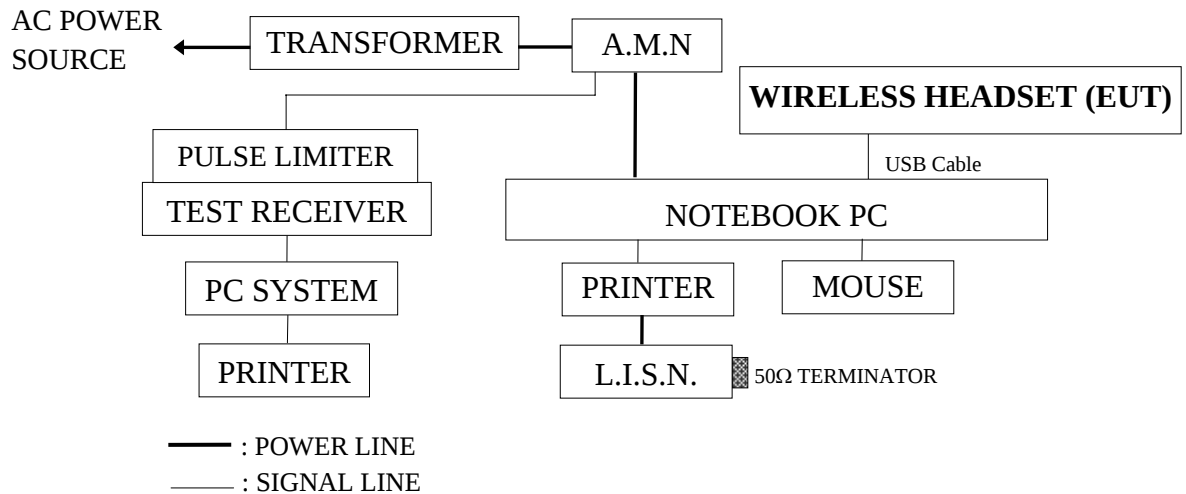
## 2. CONDUCTED EMISSION MEASUREMENT

### 2.1. Test Equipment

The following test equipment were used during the conducted measurement:  
(No. 2 Shielded Room)

| Item | Type          | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|---------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Test Receiver | R&S          | ESCS30    | 100339     | Mar. 05, 09' | Mar. 04, 10' |
| 2.   | A.M.N.        | R & S        | ESH2-Z5   | 890485/023 | Jan. 14, 09' | Jan. 13, 10' |
| 3.   | L.I.S.N.      | Kyoritsu     | KNW-407   | 8-855-9    | Mar. 09, 09' | Mar. 08, 10' |
| 4.   | Pulse Limiter | R&S          | ESH3-Z2   | 001        | Feb. 20, 09' | Feb. 19, 10' |

### 2.2. Block Diagram of Test Setup



### 2.3. Powerline Conducted Emission Limit (§15.207)

| Frequency       | Maximum RF Line Voltage |                    |
|-----------------|-------------------------|--------------------|
|                 | Quasi-Peak Level        | Average Level      |
| 150kHz ~ 500kHz | 66 ~ 56 dB $\mu$ V      | 56 ~ 46 dB $\mu$ V |
| 500kHz ~ 5MHz   | 56 dB $\mu$ V           | 46 dB $\mu$ V      |
| 5MHz ~ 30MHz    | 60 dB $\mu$ V           | 50 dB $\mu$ V      |

Remark1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.

2.: The lower limit applies at the band edges.

## 2.4. Operating Condition of EUT

- 2.4.1. Set up the EUT (Wireless Headset) and simulator as shown on 2.2.
- 2.4.2. To turn on the power of all equipments.
- 2.4.3. The Notebook PC was running test program “AMD2flash V1.45.002” to set EUT (Wireless Headset) was on transmitting status during all testing.

## 2.5. Test Procedure

The EUT (link Notebook PC) was put on table which was above the ground by 80cm and Notebook PC's power cord connected to the AC mains through an Artificial Mains Network (A.M.N.). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions simulators of the interface cables should be manipulated according to FCC ANSI C63.4-2003 during conducted measurement.

The bandwidth of the R&S Test Receiver ESCS30 was set at 9kHz.

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

All the final readings from Test Receiver were measured with the Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

## 2.6. Conducted Emission Measurement Results

### **PASSED.**

(All the emissions not reported below are too low against the prescribed limits.)

EUT (Link Notebook PC) was performed during this section testing and all the test results are attached in next pages.

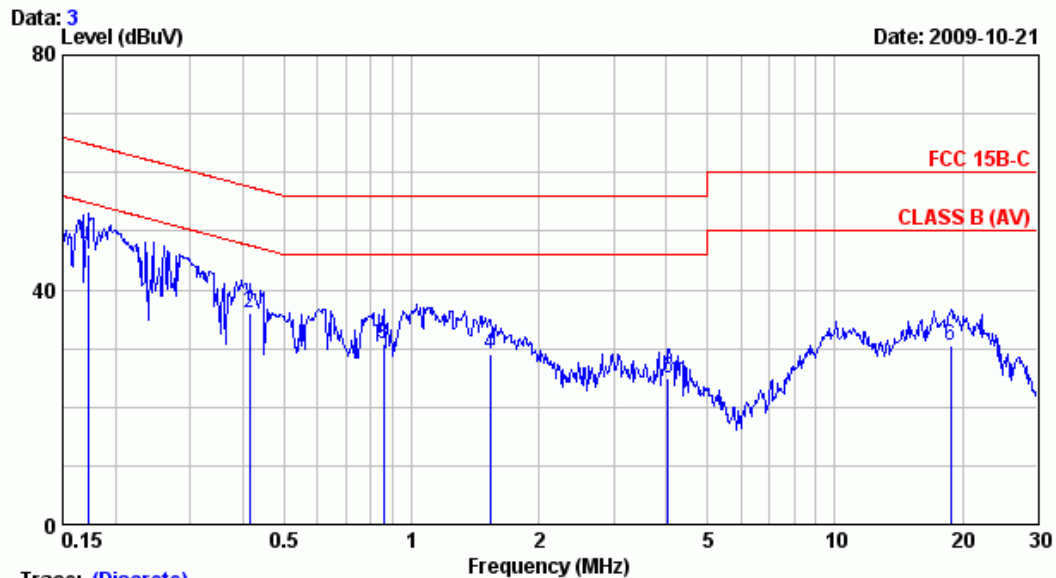
EUT : Wireless Headset      M/N : GH0100B

Test Date : Oct. 21, 2009      Temperature : 25      Humidity : 62%

| No. | Test Mode    | Reference Test Data |      |
|-----|--------------|---------------------|------|
|     |              | Neutral             | Line |
| 1.  | Transmitting | # 3                 | # 4  |



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw



Trace: (Discrete)

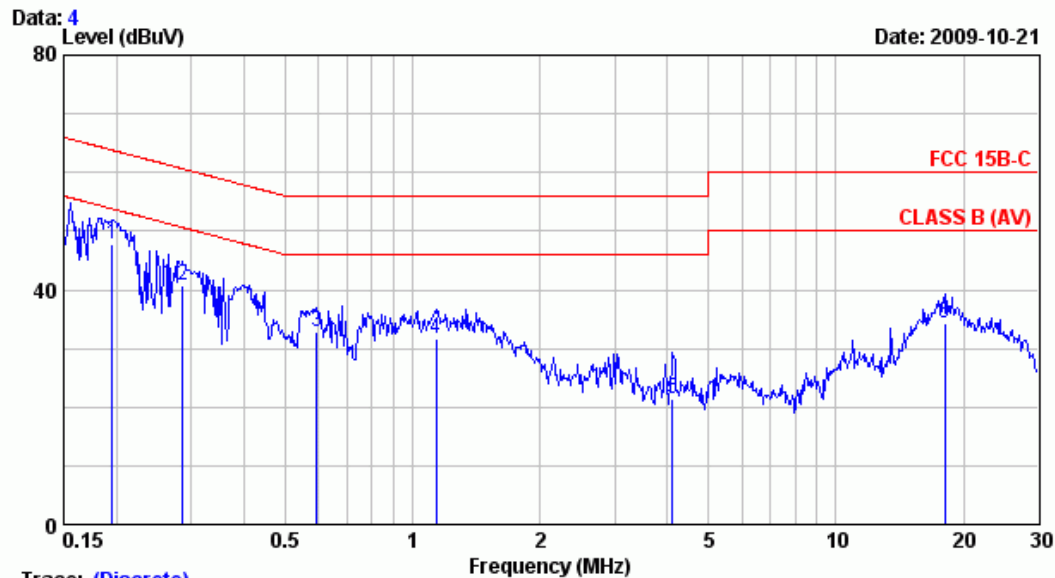
Site : No.2 Shielded room Data : 3  
Condition : ESH2-Z5 Phase : NEUTRAL  
Limit : FCC 15B-C  
Env. / Ins. : 25°C, 62% / ESCS 30(339) Engineer: Albert\_Linag  
EUT : Wireless Headset M/N: GH0100B  
Power Rating : 120Vac/60Hz  
Test Mode : OPERATING

|       |        | LISN   | Cable |         | Emission |        |        |        |
|-------|--------|--------|-------|---------|----------|--------|--------|--------|
| Freq. |        | Factor | Loss  | Reading | Level    | Limits | Margin | Remark |
| (MHz) |        | (dB)   | (dB)  | (dBuV)  | (dBuV)   | (dBuV) | (dB)   |        |
| 1     | 0.173  | 0.10   | 0.25  | 45.71   | 46.06    | 64.81  | 18.75  | QP     |
| 2     | 0.415  | 0.10   | 0.32  | 35.52   | 35.95    | 57.55  | 21.60  | QP     |
| 3     | 0.857  | 0.18   | 0.39  | 30.13   | 30.70    | 56.00  | 25.30  | QP     |
| 4     | 1.535  | 0.20   | 0.40  | 28.36   | 28.96    | 56.00  | 27.04  | QP     |
| 5     | 4.027  | 0.20   | 0.40  | 24.21   | 24.81    | 56.00  | 31.19  | QP     |
| 6     | 18.721 | 0.48   | 0.70  | 29.33   | 30.51    | 60.00  | 29.49  | QP     |

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.  
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw



Trace: (Discrete)

Site : No.2 Shielded room Data : 4

Condition : ESH2-Z5 Phase : LINE

Limit : FCC 15B-C

Env. / Ins. : 25°C, 62% / ESCS 30(339) Engineer: Albert\_Linag

EUT : Wireless Headset M/N: GH0100B

Power Rating : 120Vac/60Hz

Test Mode : OPERATING

|       |        | LISN | Cable   | Emission |        |        |        |    |
|-------|--------|------|---------|----------|--------|--------|--------|----|
| Freq. | Factor | Loss | Reading | Level    | Limits | Margin | Remark |    |
| (MHz) | (dB)   | (dB) | (dBμV)  | (dBμV)   | (dBμV) | (dB)   |        |    |
| 1     | 0.195  | 0.10 | 0.26    | 47.49    | 47.84  | 63.80  | 15.96  | QP |
| 2     | 0.286  | 0.10 | 0.29    | 40.33    | 40.72  | 60.63  | 19.91  | QP |
| 3     | 0.595  | 0.14 | 0.35    | 32.39    | 32.89  | 56.00  | 23.11  | QP |
| 4     | 1.135  | 0.20 | 0.40    | 30.95    | 31.55  | 56.00  | 24.45  | QP |
| 5     | 4.114  | 0.20 | 0.41    | 20.69    | 21.30  | 56.00  | 34.70  | QP |
| 6     | 18.039 | 0.59 | 0.70    | 32.90    | 34.19  | 60.00  | 25.81  | QP |

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

### 3. RADIATED EMISSION MEASUREMENT

#### 3.1. Test Equipment

The following test equipment was used during the radiated emission measurement:

##### 3.1.1. For Frequency Range 30MHz~1000MHz (at Semi-Anechoic Chamber)

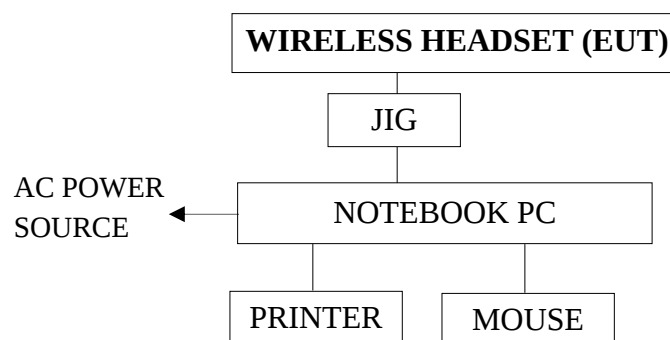
| Item | Type                 | Manufacturer | Model No.   | Serial No. | Last Cal.    | Next Cal.    |
|------|----------------------|--------------|-------------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer    | HP           | 8564EC      | 3946A00249 | Oct. 24, 09' | Oct. 23, 10' |
| 2.   | Test Receiver        | R & S        | ESCS30      | 100265     | Aug. 28, 09' | Aug. 27, 10' |
| 3.   | Pre-Amplifier        | HP           | 8447D       | 2944A06305 | Feb. 04, 09' | Feb. 03, 10' |
| 4.   | Biconical Antenna    | CHASE        | VBA6106A    | 1264       | Mar. 20, 09' | Mar. 19, 10' |
| 5.   | Log Periodic Antenna | Schwarzbeck  | UHALP9108-A | 0810       | Mar. 20, 09' | Mar. 19, 10' |

##### 3.1.2. For Frequency Above 1GHz (at Semi-Anechoic Chamber)

| Item | Type                  | Manufacturer | Model No.   | Serial No. | Last Cal.    | Next Cal.    |
|------|-----------------------|--------------|-------------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer     | HP           | 8564EC      | 3946A00249 | Oct. 24, 09' | Oct. 23, 10' |
| 2.   | Pre-Amplifier         | HP           | 8449B       | 3008A01284 | Jun. 17, 09' | Jun. 16, 10' |
| 3.   | 2.4GHz Notch Filter   | EWT          | EWT-14-0070 | G2         | Dec. 08, 08' | Dec. 07, 09' |
| 4.   | 3.5G High Pass Filter | HP           | 84300-80038 | 005        | Jan. 09, 09' | Jan. 08, 10' |
| 5.   | Horn Antenna          | EMCO         | 3115        | 9112-3775  | May 15, 09'  | May 14, 10'  |
| 6.   | Horn Antenna          | EMCO         | 3115        | 9609-4927  | Jul. 09, 09' | Jul. 08, 10' |

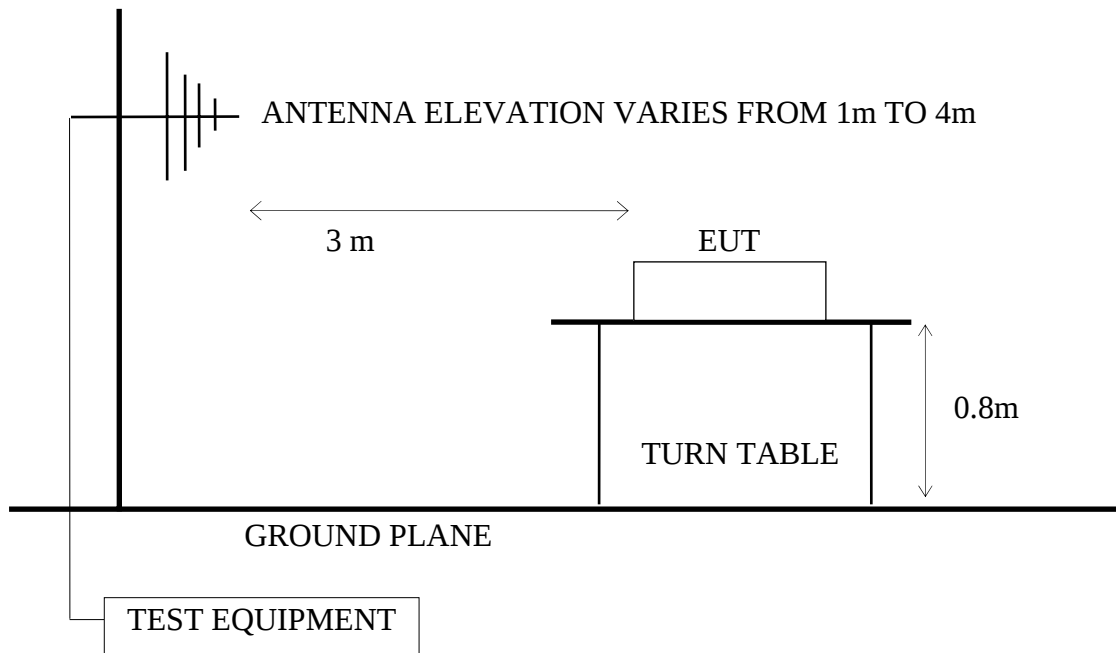
#### 3.2. Test Setup

##### 3.2.1. Block Diagram of connection between EUT and simulators



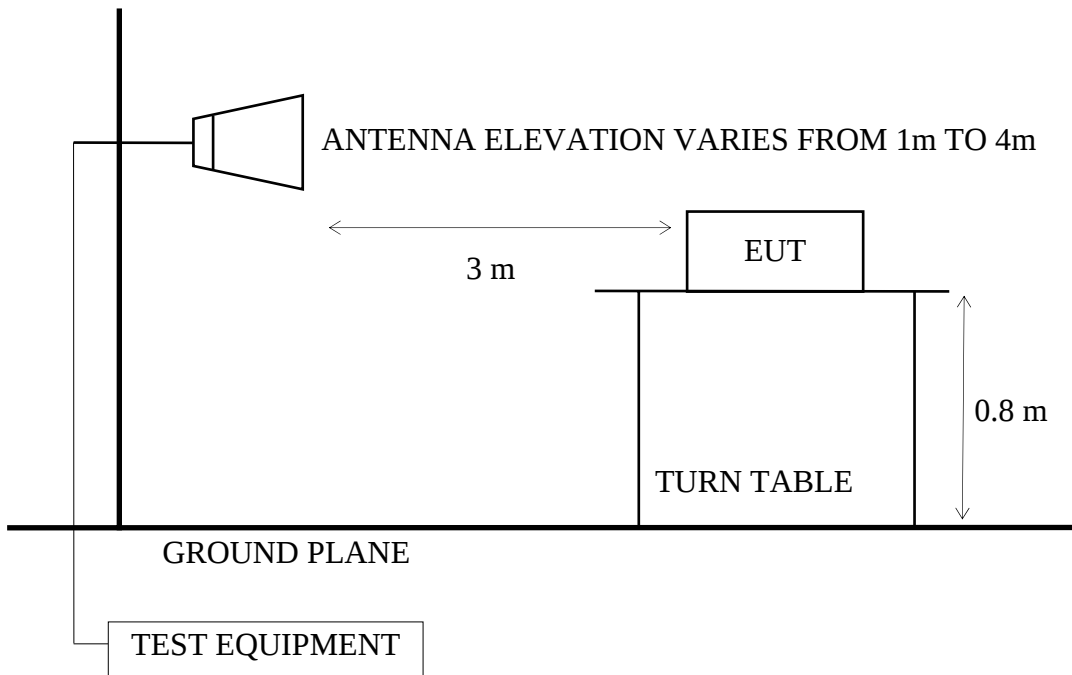
## 3.2.2. Semi-Anechoic Chamber (3m) Setup Diagram for 30-1000MHz

## ANTENNA TOWER



## 3.2.3. Semi-Anechoic Chamber (3m) Setup Diagram for above 1GHz

## ANTENNA TOWER



### 3.3. Radiated Emission Limits (§15.209)

| FREQUENCY<br>MHz | DISTANCE<br>Meters | FIELD STRENGTHS LIMITS                                                          |                          |
|------------------|--------------------|---------------------------------------------------------------------------------|--------------------------|
|                  |                    | $\mu\text{V/m}$                                                                 | $\text{dB}\mu\text{V/m}$ |
| 30 ~ 88          | 3                  | 100                                                                             | 40.0                     |
| 88 ~ 216         | 3                  | 150                                                                             | 43.5                     |
| 216 ~ 960        | 3                  | 200                                                                             | 46.0                     |
| Above 960        | 3                  | 500                                                                             | 54.0                     |
| Above 1000       | 3                  | 74.0 $\text{dB}\mu\text{V/m}$ (Peak)<br>54.0 $\text{dB}\mu\text{V/m}$ (Average) |                          |

- Remark :
- (1) Emission level ( $\text{dB}\mu\text{V/m}$ ) = 20 log Emission level ( $\mu\text{V/m}$ )
  - (2) The tighter limit applies at the edge between two frequency bands.
  - (3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
  - (4) The limits in this table are based on CFR 47 Part 15.205(a)(b) and Part 15.209 (a).
  - (5) The over 1GHz limit, FCC limit is used based on CFR 47 Part 15.35 (b) and Part 15.205(b) & Part 15.209(e) and Part 15.207(c).

### 3.4. Operating Condition of EUT

- 3.4.1. Set up the EUT (Wireless Headset) and simulator as shown on 3.2.
- 3.4.2. To turn on the power of all equipment.
- 3.4.3. The EUT was set the Notebook PC using test program “AMD2flash V1.45.002”.
- 3.4.4. Transmit Mode: The EUT was set to continuously transmit signals at 2405MHz、 2441MHz and 2477MHz during testing.
- 3.4.5. Receive Mode: The EUT was set to continuously receive signals at 2441MHz during testing.

### 3.5. Test Procedure

The EUT and its simulators were placed on a turn table which was 0.8 meter above the ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT was set 3 meters away from the receiving antenna which was mounted on an antenna tower. The antenna could be moved up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna such as calibrated biconical and log-periodical antenna or horn antenna were used as a receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to FCC ANSI C63.4-2003 regulation.

The bandwidth of the R&S Test Receiver ESCS30 was set at 120kHz. (For 30MHz to 1000MHz)

The resolution bandwidth and video bandwidth of test spectrum analyzer is 1MHz for peak detection (PK) at frequency above 1GHz.

The resolution bandwidth of test spectrum analyzer is 1MHz and the video bandwidth is 10Hz for average detection (AV) at frequency above 1GHz.

The frequency range from 30MHz to 25GHz (Up to 10<sup>th</sup> harmonics from fundamental frequency) was checked.

### 3.6. Test Results

#### **PASSED.**

(All emissions not reported below are too low against the prescribed limits.)

EUT : Wireless Headset      M/N : GH0100B

Test Date : Oct. 27, 2009      Temperature : 26      Humidity : 51%

#### **For Frequency Range 30MHz~1000MHz:**

The EUT (link Notebook PC) with following test modes was performed during this section testing and all the test results are listed in section 3.6.1.

| Mode | Channel | Frequency | Test Mode | Reference Test Data |          |
|------|---------|-----------|-----------|---------------------|----------|
|      |         |           |           | Horizontal          | Vertical |
| 1.   | 02      | 2405MHz   | Transmit  | # 9                 | # 10     |
| 2.   | 20      | 2441MHz   | Transmit  | # 10                | # 9      |
| 3.   | 38      | 2477 MHz  | Transmit  | # 9                 | # 10     |
| 4.   | 20      | 2441MHz   | Receive   | # 10                | # 9      |

\* Above all final readings were measured with Quasi-Peak detector.

#### **For Frequency above 1GHz:**

The EUT (link Notebook PC) with the following test modes was measured within semi-anechoic chamber. All the graphical results are attached in Appendix I and all the final readings are listed in section 3.6.2.

| Mode | Channel | Frequency | Test Mode |
|------|---------|-----------|-----------|
| 1.   | 02      | 2405MHz   | Transmit  |
| 2.   | 20      | 2441MHz   | Transmit  |
| 3.   | 38      | 2477MHz   | Transmit  |
| 4.   | 20      | 2441MHz   | Receive   |

\* Above all final readings were measured with Peak detector and Average detector.

**For Restricted Bands:**

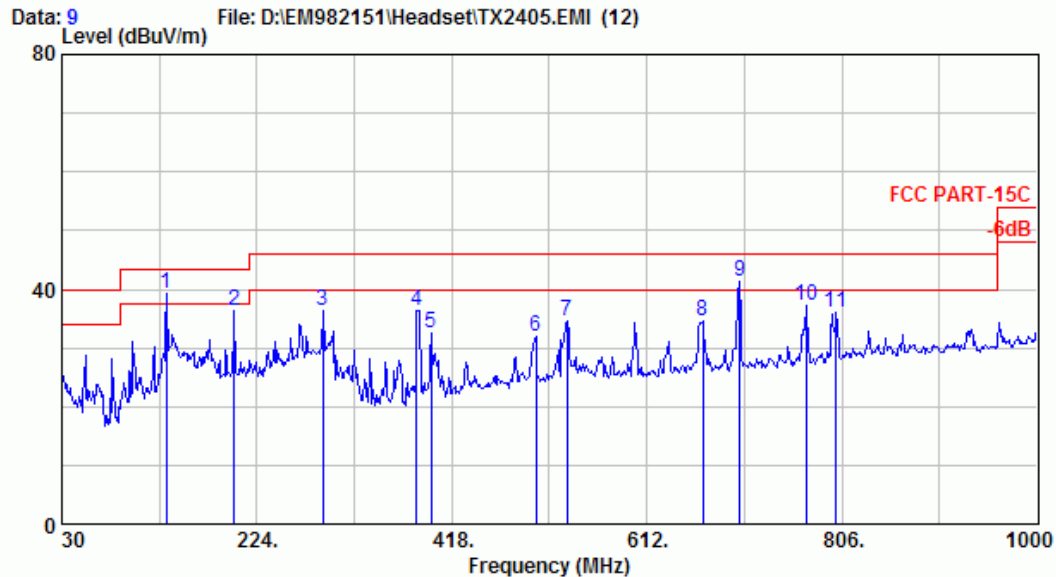
The EUT (link Notebook PC) was tested in restricted bands and all the test results are listed in section 3.6.3. (The restricted bands defined in part 15.205(a))

| Mode | Channel | Frequency | Test Mode | Reference Test Data |          |
|------|---------|-----------|-----------|---------------------|----------|
|      |         |           |           | Horizontal          | Vertical |
| 1.   | 02      | 2405 MHz  | Transmit  | #2, #3              | #1, #4   |
| 2.   | 38      | 2477MHz   | Transmit  | #8, #5              | #7, #6   |

## 3.6.1. Frequency Range 30-1000MHz



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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw



Site no. : @AC Chamber Data no. : 9  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : TX2405

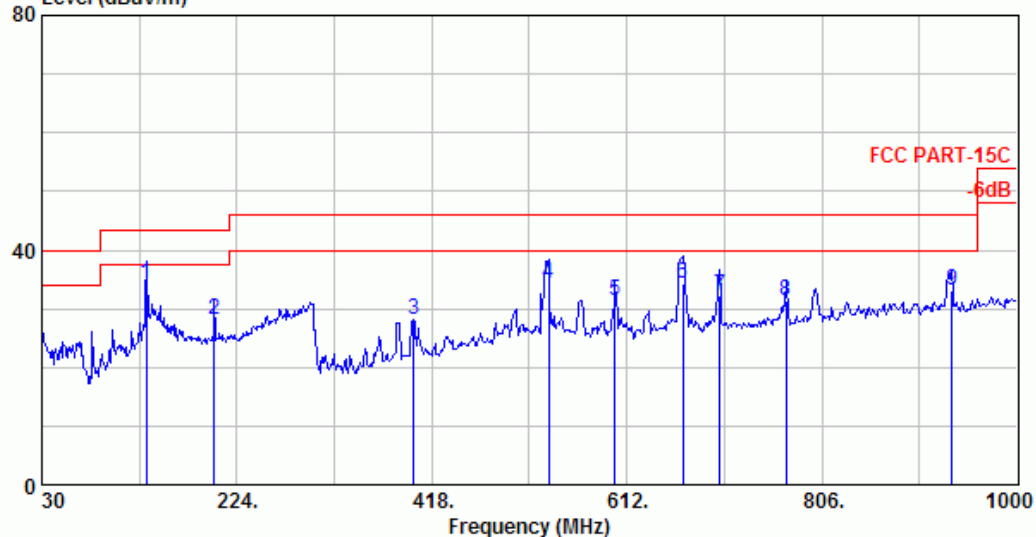
|    | Freq.   | Ant.   | Cable |         | Emission |          |        |        |
|----|---------|--------|-------|---------|----------|----------|--------|--------|
|    | (MHz)   | Factor | Loss  | Reading | Level    | Limits   | Margin | Remark |
|    |         | (dB/m) | (dB)  | (dBuV)  | (dBuV/m) | (dBuV/m) | (dB)   |        |
| 1  | 133.790 | 19.89  | 2.40  | 16.98   | 39.27    | 43.50    | 4.23   |        |
| 2  | 201.690 | 22.07  | 3.03  | 11.14   | 36.25    | 43.50    | 7.25   |        |
| 3  | 289.960 | 26.08  | 3.80  | 6.32    | 36.20    | 46.00    | 9.80   |        |
| 4  | 383.080 | 17.33  | 4.62  | 14.48   | 36.43    | 46.00    | 9.57   |        |
| 5  | 397.630 | 17.64  | 4.80  | 10.05   | 32.48    | 46.00    | 13.52  |        |
| 6  | 501.420 | 18.95  | 6.52  | 6.60    | 32.07    | 46.00    | 13.93  |        |
| 7  | 532.460 | 19.64  | 7.00  | 7.90    | 34.54    | 46.00    | 11.46  |        |
| 8  | 667.290 | 22.80  | 6.40  | 5.41    | 34.61    | 46.00    | 11.39  |        |
| 9  | 704.150 | 23.56  | 6.60  | 11.22   | 41.38    | 46.00    | 4.62   |        |
| 10 | 770.110 | 23.93  | 6.80  | 6.40    | 37.13    | 46.00    | 8.87   |        |
| 11 | 800.180 | 24.14  | 6.90  | 5.10    | 36.13    | 46.00    | 9.87   |        |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw

Data: 10 File: D:\EM982151\Headset\TX2405.EMI (12)  
Level (dBuV/m)



Site no. : @AC Chamber Data no. : 10  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : TX2405

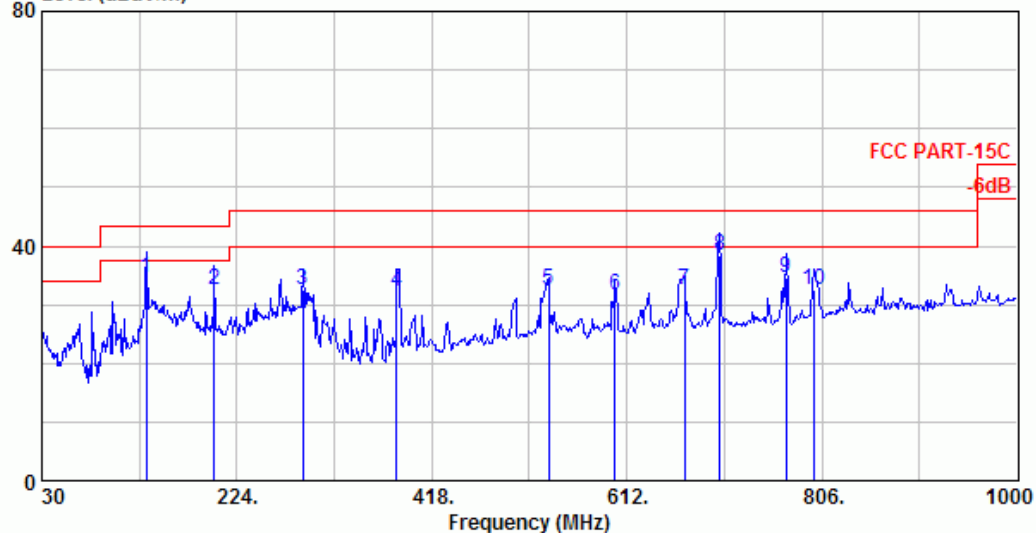
|       |         | Ant. Cable |         | Emission |          |        |        |
|-------|---------|------------|---------|----------|----------|--------|--------|
| Freq. | Factor  | Loss       | Reading | Level    | Limits   | Margin | Remark |
| (MHz) | (dB/m)  | (dB)       | (dBuV)  | (dBuV/m) | (dBuV/m) | (dB)   |        |
| 1     | 133.790 | 19.89      | 2.40    | 11.98    | 34.27    | 43.50  | 9.23   |
| 2     | 201.690 | 22.07      | 3.03    | 3.07     | 28.17    | 43.50  | 15.33  |
| 3     | 399.570 | 17.69      | 4.80    | 5.65     | 28.14    | 46.00  | 17.86  |
| 4     | 534.400 | 19.57      | 7.00    | 7.85     | 34.42    | 46.00  | 11.58  |
| 5     | 600.360 | 21.31      | 6.30    | 3.67     | 31.28    | 46.00  | 14.72  |
| 6     | 667.290 | 22.80      | 6.40    | 5.03     | 34.23    | 46.00  | 11.77  |
| 7     | 704.150 | 23.56      | 6.60    | 2.09     | 32.25    | 46.00  | 13.75  |
| 8     | 770.110 | 23.93      | 6.80    | 0.53     | 31.26    | 46.00  | 14.74  |
| 9     | 935.010 | 25.42      | 7.50    | 0.26     | 33.18    | 46.00  | 12.82  |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw

Data: 10 File: D:\EM982151\Headset\TX2441.EMI (12)  
Level (dBuV/m)



Site no. : @AC Chamber Data no. : 10  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : TX2441

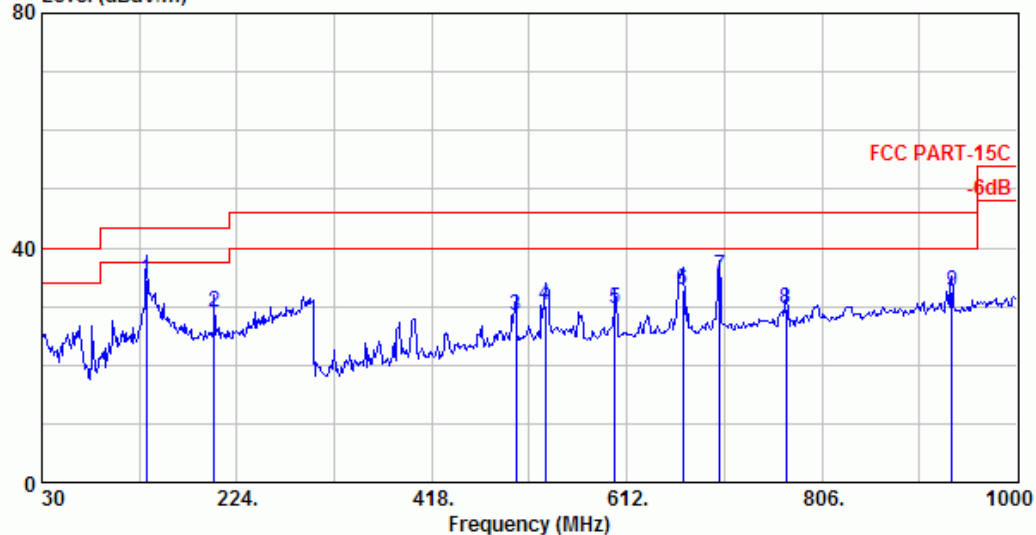
|    | Freq.   | Ant.   | Cable |         | Emission |          |        |        |
|----|---------|--------|-------|---------|----------|----------|--------|--------|
|    | (MHz)   | Factor | Loss  | Reading | Level    | Limits   | Margin | Remark |
|    |         | (dB/m) | (dB)  | (dBuV)  | (dBuV/m) | (dBuV/m) | (dB)   |        |
| 1  | 133.790 | 19.89  | 2.40  | 12.39   | 34.68    | 43.50    | 8.82   |        |
| 2  | 201.690 | 22.07  | 3.03  | 7.31    | 32.41    | 43.50    | 11.09  |        |
| 3  | 289.960 | 26.08  | 3.80  | 2.60    | 32.48    | 46.00    | 13.52  |        |
| 4  | 383.080 | 17.33  | 4.62  | 10.42   | 32.37    | 46.00    | 13.63  |        |
| 5  | 534.400 | 19.57  | 7.00  | 5.88    | 32.45    | 46.00    | 13.55  |        |
| 6  | 600.360 | 21.31  | 6.30  | 4.11    | 31.72    | 46.00    | 14.28  |        |
| 7  | 669.230 | 22.82  | 6.40  | 3.27    | 32.49    | 46.00    | 13.51  |        |
| 8  | 704.150 | 23.56  | 6.60  | 8.11    | 38.27    | 46.00    | 7.73   |        |
| 9  | 770.110 | 23.93  | 6.80  | 3.71    | 34.44    | 46.00    | 11.56  |        |
| 10 | 798.240 | 24.09  | 6.90  | 1.64    | 32.63    | 46.00    | 13.37  |        |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 9 File: D:\EM982151\Headset\TX2441.EMI (12)  
Level (dBuV/m)



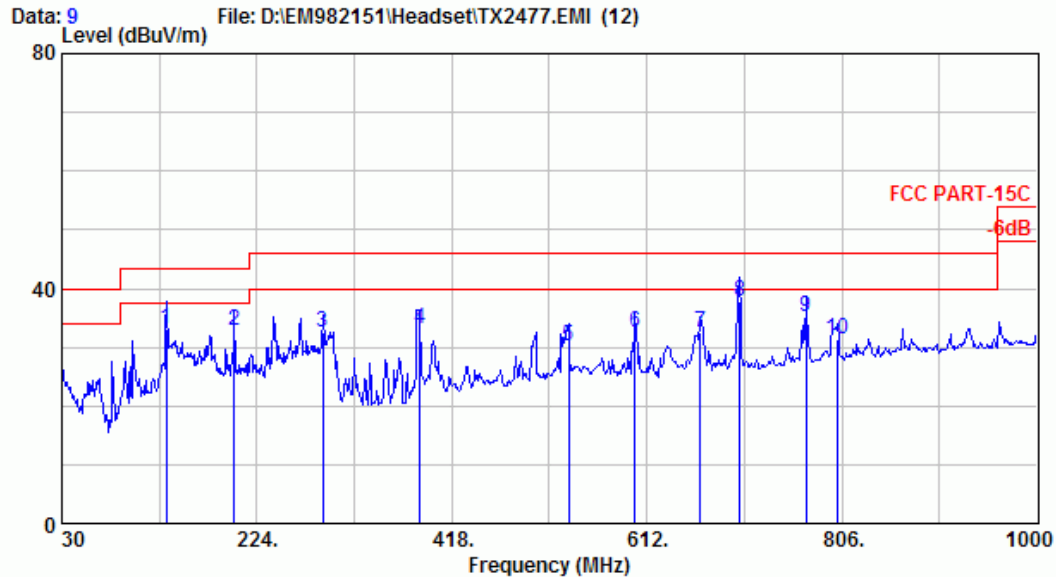
Site no. : @AC Chamber Data no. : 9  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : TX2441

|   | Freq.   | Ant. Factor | Cable Loss | Reading | Emission Level | Limits   | Margin | Remark |
|---|---------|-------------|------------|---------|----------------|----------|--------|--------|
|   | (MHz)   | (dB/m)      | (dB)       | (dBuV)  | (dBuV/m)       | (dBuV/m) | (dB)   |        |
| 1 | 133.790 | 19.89       | 2.40       | 12.38   | 34.67          | 43.50    | 8.83   |        |
| 2 | 201.690 | 22.07       | 3.03       | 3.91    | 29.01          | 43.50    | 14.49  |        |
| 3 | 501.420 | 18.95       | 6.52       | 3.00    | 28.47          | 46.00    | 17.53  |        |
| 4 | 530.520 | 19.70       | 6.90       | 3.53    | 30.13          | 46.00    | 15.87  |        |
| 5 | 600.360 | 21.31       | 6.30       | 1.96    | 29.57          | 46.00    | 16.43  |        |
| 6 | 667.290 | 22.80       | 6.40       | 3.62    | 32.82          | 46.00    | 13.18  |        |
| 7 | 704.150 | 23.56       | 6.60       | 4.97    | 35.13          | 46.00    | 10.87  |        |
| 8 | 770.110 | 23.93       | 6.80       | -1.19   | 29.54          | 46.00    | 16.46  |        |
| 9 | 935.010 | 25.42       | 7.50       | -0.45   | 32.47          | 46.00    | 13.53  |        |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw



Site no. : @AC Chamber Data no. : 9  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : TX2477

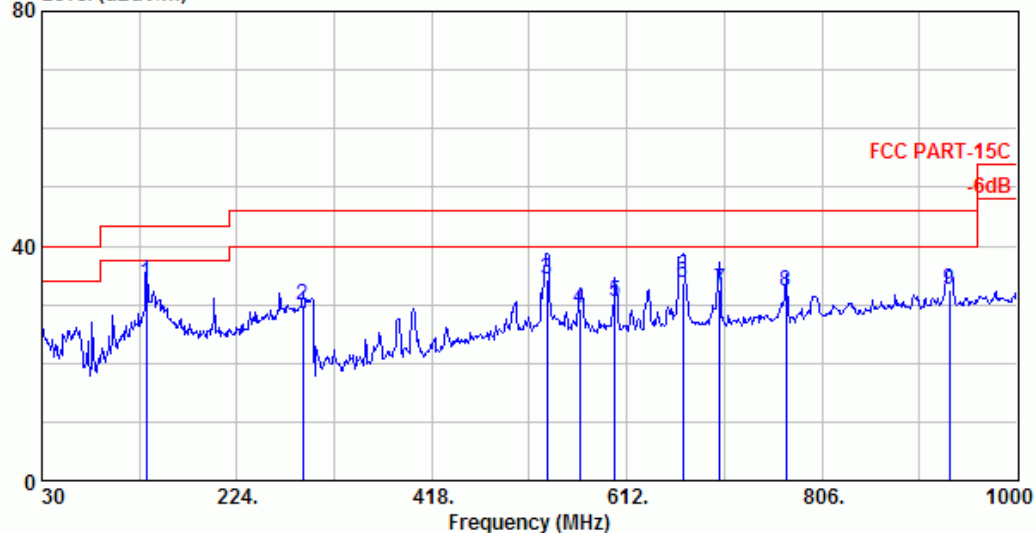
|    | Freq.   | Ant.   | Cable |         | Emission |          |        |        |
|----|---------|--------|-------|---------|----------|----------|--------|--------|
|    | (MHz)   | Factor | Loss  | Reading | Level    | Limits   | Margin | Remark |
|    |         | (dB/m) | (dB)  | (dBuV)  | (dBuV/m) | (dBuV/m) | (dB)   |        |
| 1  | 133.790 | 19.89  | 2.40  | 10.97   | 33.26    | 43.50    | 10.24  |        |
| 2  | 201.690 | 22.07  | 3.03  | 7.59    | 32.69    | 43.50    | 10.81  |        |
| 3  | 289.960 | 26.08  | 3.80  | 2.69    | 32.57    | 46.00    | 13.43  |        |
| 4  | 385.990 | 17.41  | 4.70  | 11.03   | 33.14    | 46.00    | 12.86  |        |
| 5  | 534.400 | 19.57  | 7.00  | 3.62    | 30.19    | 46.00    | 15.81  |        |
| 6  | 600.360 | 21.31  | 6.30  | 4.97    | 32.58    | 46.00    | 13.42  |        |
| 7  | 665.350 | 22.65  | 6.40  | 3.39    | 32.44    | 46.00    | 13.56  |        |
| 8  | 704.150 | 23.56  | 6.60  | 7.78    | 37.94    | 46.00    | 8.06   |        |
| 9  | 770.110 | 23.93  | 6.80  | 4.44    | 35.17    | 46.00    | 10.83  |        |
| 10 | 802.120 | 24.17  | 6.90  | 0.19    | 31.26    | 46.00    | 14.74  |        |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw

Data: 10 File: D:\EM982151\Headset\TX2477.EMI (12)  
Level (dBuV/m)



Site no. : @AC Chamber Data no. : 10  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : TX2477

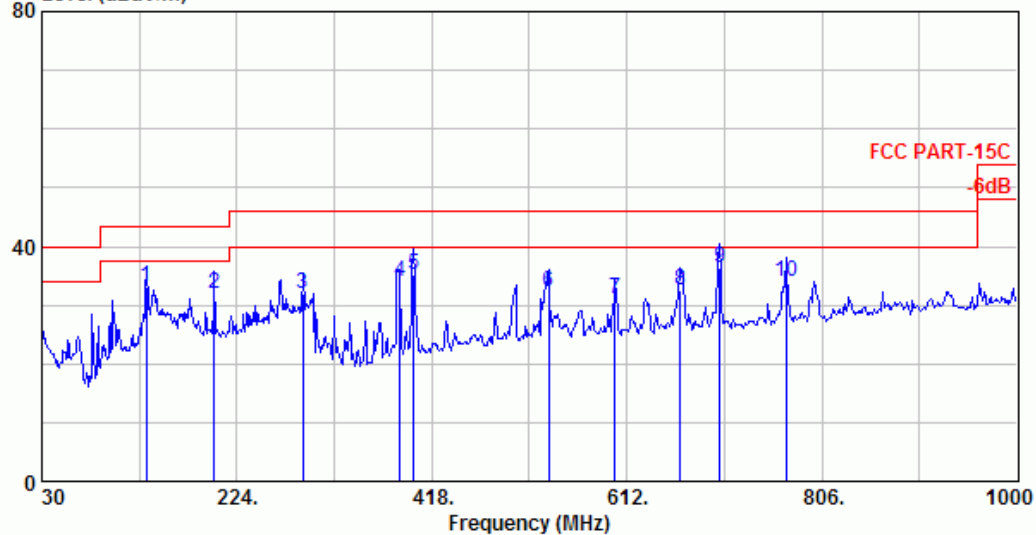
|   | Freq.   | Ant. Factor | Cable Loss | Reading | Emission Level | Limits   | Margin | Remark |
|---|---------|-------------|------------|---------|----------------|----------|--------|--------|
|   | (MHz)   | (dB/m)      | (dB)       | (dBuV)  | (dBuV/m)       | (dBuV/m) | (dB)   |        |
| 1 | 133.790 | 19.89       | 2.40       | 11.28   | 33.57          | 43.50    | 9.93   |        |
| 2 | 289.960 | 26.08       | 3.80       | 0.08    | 29.96          | 46.00    | 16.04  |        |
| 3 | 532.460 | 19.64       | 7.00       | 7.59    | 34.23          | 46.00    | 11.77  |        |
| 4 | 565.440 | 20.49       | 6.60       | 2.12    | 29.21          | 46.00    | 16.79  |        |
| 5 | 600.360 | 21.31       | 6.30       | 2.90    | 30.51          | 46.00    | 15.49  |        |
| 6 | 667.290 | 22.80       | 6.40       | 4.38    | 33.58          | 46.00    | 12.42  |        |
| 7 | 704.150 | 23.56       | 6.60       | 2.47    | 32.63          | 46.00    | 13.37  |        |
| 8 | 770.110 | 23.93       | 6.80       | 1.45    | 32.18          | 46.00    | 13.82  |        |
| 9 | 933.070 | 25.23       | 7.50       | -0.33   | 32.40          | 46.00    | 13.60  |        |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw

Data: 10 File: D:\EM982151\Headset\RX2441.EMI (12)  
Level (dBuV/m)



Site no. : @AC Chamber Data no. : 10  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : RX2441

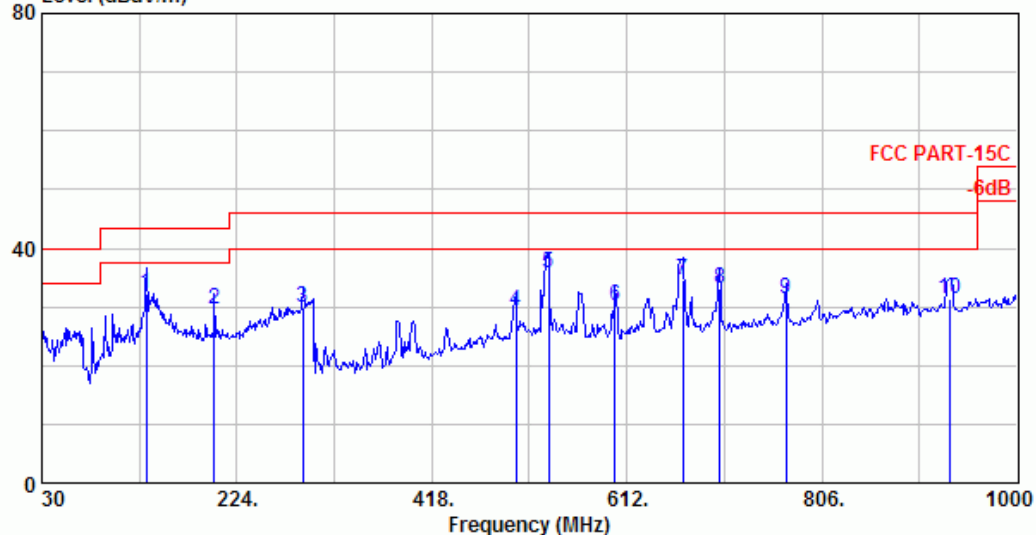
|    | Freq.   | Ant.   | Cable |         | Emission |          |        |        |
|----|---------|--------|-------|---------|----------|----------|--------|--------|
|    | (MHz)   | Factor | Loss  | Reading | Level    | Limits   | Margin | Remark |
|    |         | (dB/m) | (dB)  | (dBuV)  | (dBuV/m) | (dBuV/m) | (dB)   |        |
| 1  | 133.790 | 19.89  | 2.40  | 10.89   | 33.18    | 43.50    | 10.32  |        |
| 2  | 201.690 | 22.07  | 3.03  | 6.85    | 31.95    | 43.50    | 11.55  |        |
| 3  | 289.960 | 26.08  | 3.80  | 2.15    | 32.03    | 46.00    | 13.97  |        |
| 4  | 385.990 | 17.41  | 4.70  | 12.00   | 34.11    | 46.00    | 11.89  |        |
| 5  | 399.570 | 17.69  | 4.80  | 12.79   | 35.28    | 46.00    | 10.72  |        |
| 6  | 534.400 | 19.57  | 7.00  | 5.80    | 32.37    | 46.00    | 13.63  |        |
| 7  | 600.360 | 21.31  | 6.30  | 3.56    | 31.17    | 46.00    | 14.83  |        |
| 8  | 665.350 | 22.65  | 6.40  | 3.40    | 32.45    | 46.00    | 13.55  |        |
| 9  | 704.150 | 23.56  | 6.60  | 6.12    | 36.28    | 46.00    | 9.72   |        |
| 10 | 770.110 | 23.93  | 6.80  | 3.30    | 34.03    | 46.00    | 11.97  |        |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw

Data: 9 File: D:\EM982151\Headset\RX2441.EMI (12)  
Level (dBuV/m)



Site no. : @AC Chamber Data no. : 9  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : RX2441

|    | Freq.   | Ant.   | Cable |         | Emission |          |        |        |
|----|---------|--------|-------|---------|----------|----------|--------|--------|
|    | (MHz)   | Factor | Loss  | Reading | Level    | Limits   | Margin | Remark |
|    |         | (dB/m) | (dB)  | (dBuV)  | (dBuV/m) | (dBuV/m) | (dB)   |        |
| 1  | 133.790 | 19.89  | 2.40  | 9.86    | 32.15    | 43.50    | 11.35  |        |
| 2  | 201.690 | 22.07  | 3.03  | 4.45    | 29.55    | 43.50    | 13.95  |        |
| 3  | 289.960 | 26.08  | 3.80  | 0.14    | 30.02    | 46.00    | 15.98  |        |
| 4  | 501.420 | 18.95  | 6.52  | 3.96    | 29.43    | 46.00    | 16.57  |        |
| 5  | 534.400 | 19.57  | 7.00  | 9.06    | 35.63    | 46.00    | 10.37  |        |
| 6  | 600.360 | 21.31  | 6.30  | 2.57    | 30.18    | 46.00    | 15.82  |        |
| 7  | 667.290 | 22.80  | 6.40  | 5.27    | 34.47    | 46.00    | 11.53  |        |
| 8  | 704.150 | 23.56  | 6.60  | 3.01    | 33.17    | 46.00    | 12.83  |        |
| 9  | 770.110 | 23.93  | 6.80  | 0.53    | 31.26    | 46.00    | 14.74  |        |
| 10 | 933.070 | 25.23  | 7.50  | -1.37   | 31.36    | 46.00    | 14.64  |        |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.

## 3.6.2. Above 1GHz Frequency Range Measurement Results

Date of Test : Oct. 27, 2009 Temperature : 26EUT : Wireless Headset Humidity : 51%Test Mode : Transmit, Channel: 02 (Frequency: 2405MHz)

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dBμV | Emission Level<br>Horizontal<br>dBμV/m | Limits<br>dBμV/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-------------------------------------|----------------------------------------|------------------|--------------|
| Peak    | 1057.120                     | 24.44                     | 4.31                | 21.78                               | 50.53                                  | 74.00            | 23.47        |
|         | 1196.560                     | 24.88                     | 4.58                | 14.24                               | 43.70                                  | 74.00            | 30.30        |
|         | 1334.320                     | 25.27                     | 4.94                | 10.72                               | 40.93                                  | 74.00            | 33.07        |
| Average | 1057.120                     | 24.44                     | 4.31                | 15.93                               | 44.68                                  | 54.00            | 9.32         |
|         | 1196.560                     | 24.88                     | 4.58                | 9.71                                | 39.17                                  | 54.00            | 14.83        |
|         | 1334.320                     | 25.27                     | 4.94                | 6.22                                | 36.43                                  | 54.00            | 17.57        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dBμV | Emission Level<br>Vertical<br>dBμV/m | Limits<br>dBμV/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-----------------------------------|--------------------------------------|------------------|--------------|
| Peak    | 1062.160                     | 24.49                     | 4.31                | 23.05                             | 51.85                                | 74.00            | 22.15        |
|         | 1191.520                     | 24.83                     | 4.56                | 17.05                             | 46.44                                | 74.00            | 27.56        |
|         | 1325.920                     | 25.22                     | 4.91                | 11.98                             | 42.11                                | 74.00            | 31.89        |
| Average | 1062.160                     | 24.49                     | 4.31                | 18.42                             | 47.22                                | 54.00            | 6.78         |
|         | 1191.520                     | 24.83                     | 4.56                | 13.08                             | 42.47                                | 54.00            | 11.53        |
|         | 1325.920                     | 25.22                     | 4.91                | 7.21                              | 37.34                                | 54.00            | 16.66        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Oct. 27, 2009 Temperature : 26

EUT : Wireless Headset Humidity : 51%

Test Mode : Transmit, Channel: 20 (Frequency: 2441MHz)

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dBμV | Emission Level<br>Horizontal<br>dBμV/m | Limits<br>dBμV/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-------------------------------------|----------------------------------------|------------------|--------------|
| Peak    | 1065.520                     | 24.49                     | 4.32                | 12.25                               | 41.06                                  | 74.00            | 32.94        |
|         | 1191.520                     | 24.83                     | 4.56                | 11.65                               | 41.04                                  | 74.00            | 32.96        |
| Average | 1065.520                     | 24.49                     | 4.32                | 6.37                                | 35.18                                  | 54.00            | 18.82        |
|         | 1191.520                     | 24.83                     | 4.56                | 4.87                                | 34.26                                  | 54.00            | 19.74        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dBμV | Emission Level<br>Vertical<br>dBμV/m | Limits<br>dBμV/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-----------------------------------|--------------------------------------|------------------|--------------|
| Peak    | 1062.160                     | 24.49                     | 4.31                | 15.05                             | 43.85                                | 74.00            | 30.15        |
|         | 1196.560                     | 24.88                     | 4.58                | 8.93                              | 38.39                                | 74.00            | 35.61        |
|         | 1594.720                     | 26.10                     | 6.12                | 5.86                              | 38.08                                | 74.00            | 35.92        |
| Average | 1062.160                     | 24.49                     | 4.31                | 9.33                              | 38.13                                | 54.00            | 15.87        |
|         | 1196.560                     | 24.88                     | 4.58                | 4.67                              | 34.13                                | 54.00            | 19.87        |
|         | 1594.720                     | 26.10                     | 6.12                | 1.36                              | 33.58                                | 54.00            | 20.42        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Oct. 27, 2009 Temperature : 26

EUT : Wireless Headset Humidity : 51%

Test Mode : Transmit, Channel: 38 (Frequency: 2477MHz)

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dB $\mu$ V | Emission Level<br>Horizontal<br>dB $\mu$ V/m | Limits<br>dB $\mu$ V/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-------------------------------------------|----------------------------------------------|------------------------|--------------|
| Peak    | 1062.160                     | 24.49                     | 4.31                | 16.91                                     | 45.71                                        | 74.00                  | 28.29        |
|         | 1196.560                     | 24.88                     | 4.58                | 13.22                                     | 42.68                                        | 74.00                  | 31.32        |
|         | 1456.960                     | 25.60                     | 5.31                | 7.16                                      | 38.07                                        | 74.00                  | 35.93        |
| Average | 1062.160                     | 24.49                     | 4.31                | 10.88                                     | 39.68                                        | 54.00                  | 14.32        |
|         | 1196.560                     | 24.88                     | 4.58                | 8.22                                      | 37.68                                        | 54.00                  | 16.32        |
|         | 1456.960                     | 25.60                     | 5.31                | 4.36                                      | 35.27                                        | 54.00                  | 18.73        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dB $\mu$ V | Emission Level<br>Vertical<br>dB $\mu$ V/m | Limits<br>dB $\mu$ V/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-----------------------------------------|--------------------------------------------|------------------------|--------------|
| Peak    | 1057.120                     | 24.44                     | 4.31                | 18.17                                   | 46.92                                      | 74.00                  | 27.08        |
|         | 1191.520                     | 24.83                     | 4.56                | 14.93                                   | 44.32                                      | 74.00                  | 29.68        |
|         | 1325.920                     | 25.22                     | 4.91                | 7.84                                    | 37.97                                      | 74.00                  | 36.03        |
| Average | 1057.120                     | 24.44                     | 4.31                | 11.84                                   | 40.59                                      | 54.00                  | 13.41        |
|         | 1191.520                     | 24.83                     | 4.56                | 10.13                                   | 39.52                                      | 54.00                  | 14.48        |
|         | 1325.920                     | 25.22                     | 4.91                | 3.51                                    | 33.64                                      | 54.00                  | 20.36        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Oct. 27, 2009 Temperature : 26EUT : Wireless Headset Humidity : 51%Test Mode : Receive, Channel: 20 (Frequency: 2441MHz)

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dB $\mu$ V | Emission Level<br>Horizontal<br>dB $\mu$ V/m | Limits<br>dB $\mu$ V/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-------------------------------------------|----------------------------------------------|------------------------|--------------|
| Peak    | 1062.160                     | 24.49                     | 4.31                | 13.65                                     | 42.45                                        | 74.00                  | 31.55        |
|         | 1191.520                     | 24.83                     | 4.56                | 10.89                                     | 40.28                                        | 74.00                  | 33.72        |
| Average | 1062.160                     | 24.49                     | 4.31                | 9.42                                      | 38.22                                        | 54.00                  | 15.78        |
|         | 1191.520                     | 24.83                     | 4.56                | 7.86                                      | 37.25                                        | 54.00                  | 16.75        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

|         | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dB $\mu$ V | Emission Level<br>Vertical<br>dB $\mu$ V/m | Limits<br>dB $\mu$ V/m | Margin<br>dB |
|---------|------------------------------|---------------------------|---------------------|-----------------------------------------|--------------------------------------------|------------------------|--------------|
| Peak    | 1062.160                     | 24.49                     | 4.31                | 19.53                                   | 48.33                                      | 74.00                  | 25.67        |
|         | 1196.560                     | 24.88                     | 4.58                | 10.25                                   | 39.71                                      | 74.00                  | 34.29        |
|         | 1599.760                     | 26.10                     | 6.14                | 7.03                                    | 39.27                                      | 74.00                  | 34.73        |
| Average | 1062.160                     | 24.49                     | 4.31                | 15.48                                   | 44.28                                      | 54.00                  | 9.72         |
|         | 1196.560                     | 24.88                     | 4.58                | 5.11                                    | 34.57                                      | 54.00                  | 19.43        |
|         | 1599.860                     | 26.10                     | 6.14                | 3.43                                    | 35.67                                      | 54.00                  | 18.33        |

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

## 3.6.3. Restricted Bands Measurement Results

Date of Test : Oct. 27, 2009 Temperature : 26

EUT : Wireless Headset Humidity : 51%

Test Mode : Transmit, Channel: 02 (Frequency: 2405MHz)

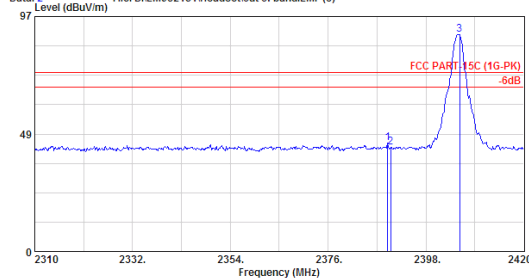
|           | Emission Frequency MHz | Antenna Factor dB/m | Cable Loss dB | Meter Reading Horizontal dBμV | Emission Level Horizontal dBμV/m | Limits dBμV/m | Margin dB |
|-----------|------------------------|---------------------|---------------|-------------------------------|----------------------------------|---------------|-----------|
| Peak *    | 2389.420               | 28.10               | 6.34          | 10.36                         | 44.80                            | 74.00         | 29.20     |
| Average * | 2389.420               | 28.10               | 6.34          | -2.84                         | 31.60                            | 54.00         | 22.40     |

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).  
 3. '\*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel:+886-2-26092133 Fax:+886-2-26099303  
 Email:ttmc@ttmc.com.tw

Data: 2 File: D:\EM982151\Headsetout of band.EMI (8)



Site no. : @AC Chamber Data no. : 2  
 Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL  
 Limit : FCC PART-15C (1G-PK)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Sound Blaster World of Warcraft Wireless  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2405

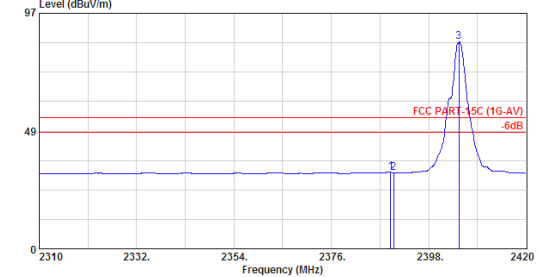
| Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Remark |
|-------------|--------------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 2389.420  | 28.10              | 6.34            | 10.36          | 44.80                   | 74.00           | 29.20       | Peak   |
| 2 2390.080  | 28.10              | 6.34            | 8.52           | 42.96                   | 74.00           | 31.04       | Peak   |
| 3 2405.590  | 28.11              | 6.36            | 55.13          | 89.61                   | 74.00           | -15.61      | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel:+886-2-26092133 Fax:+886-2-26099303  
 Email:ttmc@ttmc.com.tw

Data: 3 File: D:\EM982151\Headsetout of band.EMI (8)



Site no. : @AC Chamber Data no. : 3  
 Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL  
 Limit : FCC PART-15C (1G-AV)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Sound Blaster World of Warcraft Wireless  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2405

| Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Remark  |
|-------------|--------------------|-----------------|----------------|-------------------------|-----------------|-------------|---------|
| 1 2389.420  | 28.10              | 6.34            | -2.84          | 31.60                   | 54.00           | 22.40       | Average |
| 2 2390.080  | 28.10              | 6.34            | -3.25          | 31.19                   | 54.00           | 22.81       | Average |
| 3 2404.820  | 28.11              | 6.36            | 50.86          | 85.34                   | 54.00           | -31.34      | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

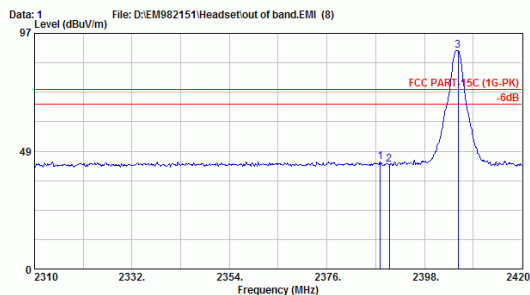
Date of Test : Oct. 27, 2009 Temperature : 26EUT : Wireless Headset Humidity : 51%Test Mode : Transmit, Channel: 02 (Frequency: 2405MHz)

|           | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dBμV | Emission Level<br>Vertical<br>dBμV/m | Limits<br>dBμV/m | Margin<br>dB |
|-----------|------------------------------|---------------------------|---------------------|-----------------------------------|--------------------------------------|------------------|--------------|
| Peak *    | 2387.990                     | 28.10                     | 6.34                | 9.49                              | 43.93                                | 74.00            | 30.07        |
| Average * | 2388.870                     | 28.10                     | 6.34                | -2.12                             | 32.32                                | 54.00            | 21.68        |

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).  
 3. '\*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel:++886-2-26092133 Fax:++886-2-26099303  
 Email:ttmc@ttmc.com.tw



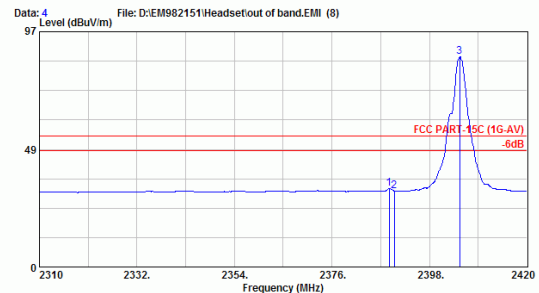
Site no. : @AC Chamber Data no. : 1  
 Dis. / Ant. : 3m 3115 (3775) Ant. pol. : VERTICAL  
 Limit : FCC PART-15C (1G-PK)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Wireless Headset  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2405

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV/m) | Limits<br>(dBμV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2387.990       | 28.10                    | 6.34                  | 9.49              | 43.93                         | 74.00              | 30.07          | Peak   |
| 2 | 2390.080       | 28.10                    | 6.34                  | 8.41              | 42.85                         | 74.00              | 31.15          | Peak   |
| 3 | 2405.590       | 28.11                    | 6.36                  | 55.52             | 90.00                         | 74.00              | -16.00         | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel:++886-2-26092133 Fax:++886-2-26099303  
 Email:ttmc@ttmc.com.tw



Site no. : @AC Chamber Data no. : 4  
 Dis. / Ant. : 3m 3115 (3775) Ant. pol. : VERTICAL  
 Limit : FCC PART-15C (1G-AV)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Wireless Headset  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2405

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV/m) | Limits<br>(dBμV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2388.870       | 28.10                    | 6.34                  | -2.12             | 32.31                         | 54.00              | 21.69          | Average |
| 2 | 2390.080       | 28.10                    | 6.34                  | -3.12             | 31.32                         | 54.00              | 22.68          | Average |
| 3 | 2404.820       | 28.11                    | 6.36                  | 52.14             | 86.62                         | 54.00              | -32.62         | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

Date of Test : Oct. 27, 2009 Temperature : 26

EUT : Wireless Headset Humidity : 51%

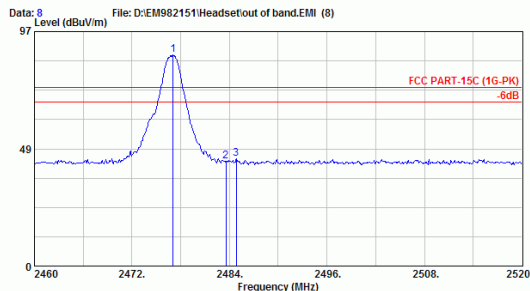
Test Mode : Transmit, Channel: 38 (Frequency: 2477MHz)

|           | Emission Frequency MHz | Antenna Factor dB/m | Cable Loss dB | Meter Reading Horizontal dBμV | Emission Level Horizontal dBμV/m | Limits dBμV/m | Margin dB |
|-----------|------------------------|---------------------|---------------|-------------------------------|----------------------------------|---------------|-----------|
| Peak *    | 2484.840               | 28.18               | 6.45          | 9.61                          | 44.24                            | 74.00         | 29.76     |
| Average * | 2483.580               | 28.18               | 6.45          | -2.15                         | 32.48                            | 54.00         | 21.52     |

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. High frequency section (spurious in the restricted band 2483.5-2500MHz).  
 3. ‘\*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel: +886-2-26092133 Fax: +886-2-26099303  
 Email: ttemc@ttemc.com.tw



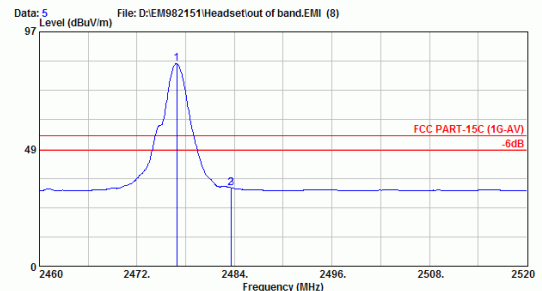
Site no. : SAC Chamber Data no. : 8  
 Dis. / Ant. : 3m 3115 (3775) Ant. pol. : HORIZONTAL  
 Limit : FCC PART-15C (1G-PK)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Wireless Headset  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2477

|   | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Remark |
|---|-------------|--------------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2477.040    | 28.18              | 6.44            | 52.61          | 87.24                   | 74.00           | -13.24      | Peak   |
| 2 | 2483.580    | 28.18              | 6.45            | 8.64           | 43.28                   | 74.00           | 30.72       | Peak   |
| 3 | 2484.840    | 28.18              | 6.45            | 9.61           | 44.24                   | 74.00           | 29.76       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel: +886-2-26092133 Fax: +886-2-26099303  
 Email: ttemc@ttemc.com.tw



Site no. : SAC Chamber Data no. : 5  
 Dis. / Ant. : 3m 3115 (3775) Ant. pol. : HORIZONTAL  
 Limit : FCC PART-15C (1G-AV)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Wireless Headset  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2477

|   | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Remark  |
|---|-------------|--------------------|-----------------|----------------|-------------------------|-----------------|-------------|---------|
| 1 | 2476.920    | 28.18              | 6.44            | 49.10          | 83.73                   | 54.00           | -29.73      | Average |
| 2 | 2483.580    | 28.18              | 6.45            | -2.15          | 32.48                   | 54.00           | 21.52       | Average |
| 3 | 2483.640    | 28.18              | 6.45            | -2.22          | 32.41                   | 54.00           | 21.59       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

Date of Test : Oct. 27, 2009 Temperature : 26EUT : Wireless Headset Humidity : 51%Test Mode : Transmit, Channel: 38 (Frequency: 2477MHz)

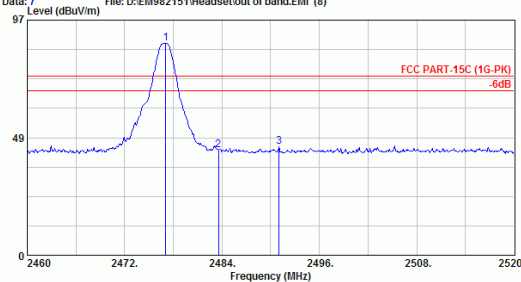
|           | Emission<br>Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dBμV | Emission Level<br>Vertical<br>dBμV/m | Limits<br>dBμV/m | Margin<br>dB |
|-----------|------------------------------|---------------------------|---------------------|-----------------------------------|--------------------------------------|------------------|--------------|
| Peak *    | 2491.020                     | 28.20                     | 6.46                | 10.23                             | 44.89                                | 74.00            | 29.11        |
| Average * | 2483.580                     | 28.18                     | 6.45                | -2.32                             | 32.31                                | 54.00            | 21.69        |

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.  
 2. High frequency section (spurious in the restricted band 2483.5-2500MHz).  
 3. '\*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel:+886-2-26092133 Fax:+886-2-26099303  
 Email:ttenc@ttenc.com.tw

Data: 7 File: D:\EM982151\Headsetout of band.EMI (8)



Site no. : 8AC Chamber Data no. : 7  
 Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL  
 Limit : FCC PART-15C (1G-PK)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Wireless Headset  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2477

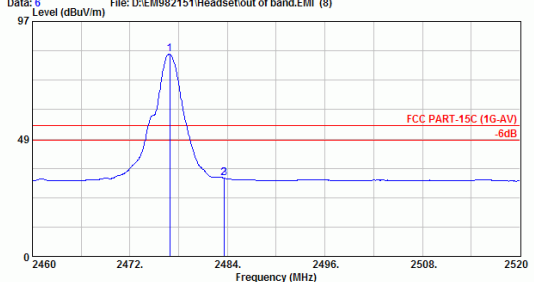
| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV/m) | Limits<br>(dBμV/m) | Margin<br>(dB) | Remark |
|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 2477.040     | 28.18                    | 6.44                  | 52.92             | 87.55                         | 74.00              | -13.55         | Peak   |
| 2 2483.580     | 28.18                    | 6.45                  | 8.87              | 43.51                         | 74.00              | 30.49          | Peak   |
| 3 2491.020     | 28.20                    | 6.46                  | 10.23             | 44.89                         | 74.00              | 29.11          | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



AUDIX TECHNOLOGY Corp. EMC Laboratory  
 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel:+886-2-26092133 Fax:+886-2-26099303  
 Email:ttenc@ttenc.com.tw

Data: 6 File: D:\EM982151\Headsetout of band.EMI (8)



Site no. : 8AC Chamber Data no. : 6  
 Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL  
 Limit : FCC PART-15C (1G-AV)  
 Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
 EUT : Wireless Headset  
 Power Rating : Headset DC 3.7V M/N:GH0100B  
 Test Mode : TX2477

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV/m) | Limits<br>(dBμV/m) | Margin<br>(dB) | Remark  |
|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 2477.040     | 28.18                    | 6.44                  | 48.93             | 83.56                         | 54.00              | -29.56         | Average |
| 2 2483.580     | 28.18                    | 6.45                  | -2.32             | 32.32                         | 54.00              | 21.68          | Average |
| 3 2483.640     | 28.18                    | 6.45                  | -2.36             | 32.27                         | 54.00              | 21.73          | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

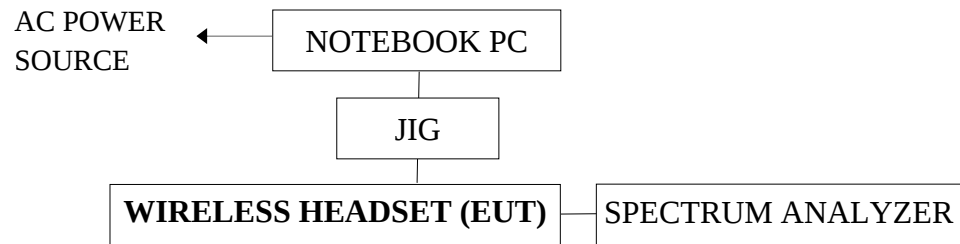
## 4. 6dB BANDWIDTH MEASUREMENT

### 4.1. Test Equipment

The following test equipment was used during the Emission Bandwidth measurement:

| Item | Type              | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|-------------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer | Agilent      | E4446A    | US44300366 | Jul. 23, 09' | Jul. 22, 10' |

### 4.2. Block Diagram of Test Setup



### 4.3. Specification Limits (§15.247(a)(2))

The minimum 6dB bandwidth shall be at least 500kHz.

### 4.4. Operating Condition of EUT

The test program “AMD2flash V1.45.002” was used to enable the EUT to transmit data at different channel frequency individually.

### 4.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

#### 4.6. Test Results

**PASSED.** All the test results are attached in next pages.

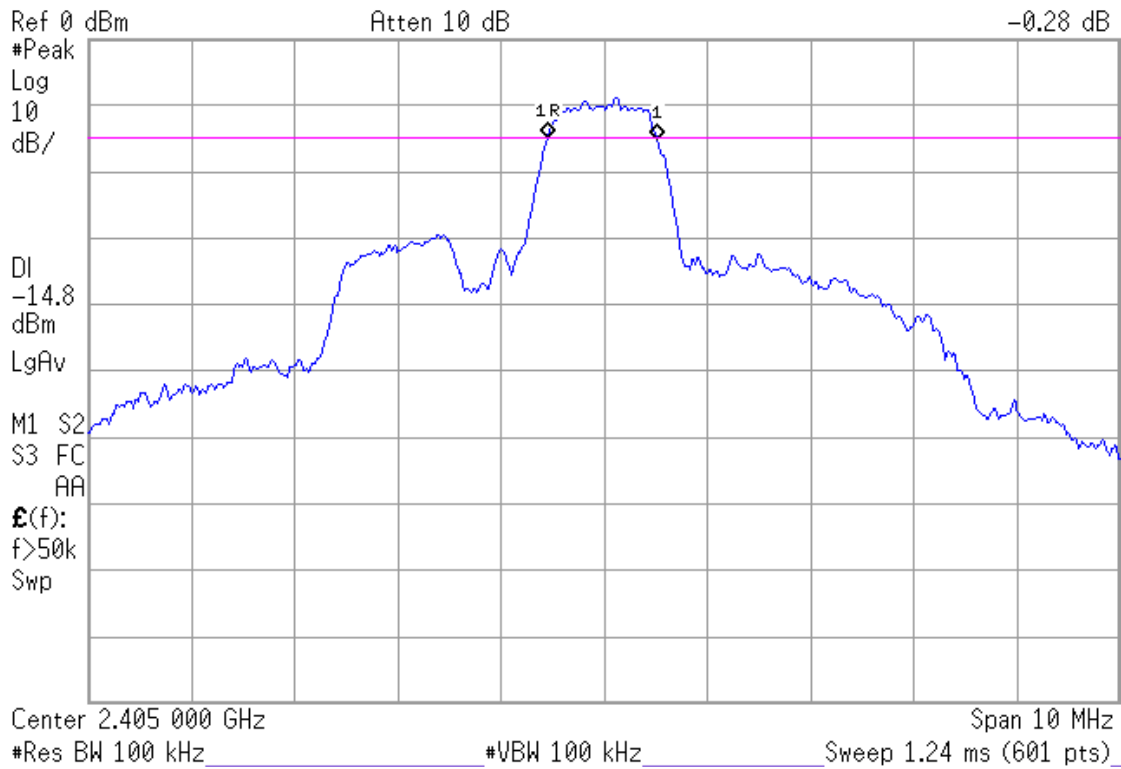
(Test Date : Oct. 27, 2009    Temperature : 24       Humidity : 53 %)

| Test Mode  | Channel | Frequency | 6dB Bandwidth   |
|------------|---------|-----------|-----------------|
| Antenna #1 | 02      | 2405MHz   | <b>1.067MHz</b> |
|            | 20      | 2441MHz   | <b>1.133MHz</b> |
|            | 38      | 2477MHz   | <b>1.133MHz</b> |
| Antenna #2 | 02      | 2405MHz   | <b>1.150MHz</b> |
|            | 20      | 2441MHz   | <b>1.133MHz</b> |
|            | 38      | 2477MHz   | <b>1.133MHz</b> |

**Test Mode: Antenna #1****Frequency: 2405MHz**

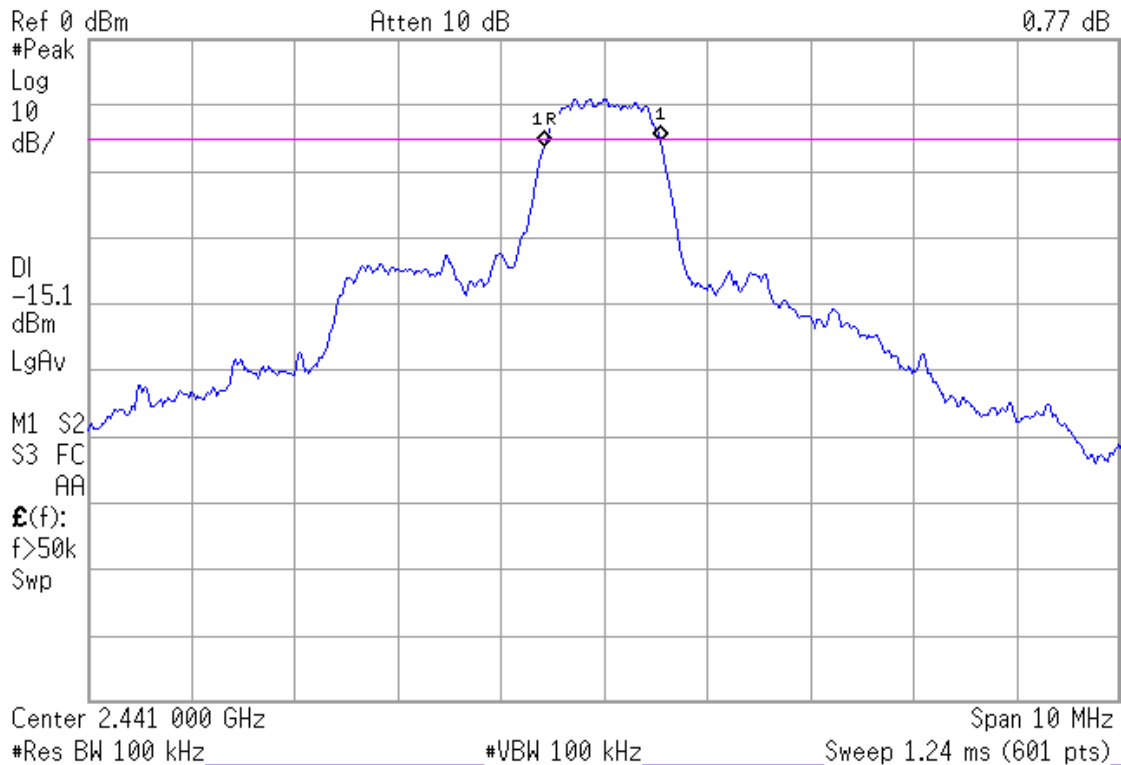
Agilent 08:15:02 Oct 27, 2009

▲ Mkr1 1.067 MHz  
-0.28 dB

**Frequency: 2441MHz**

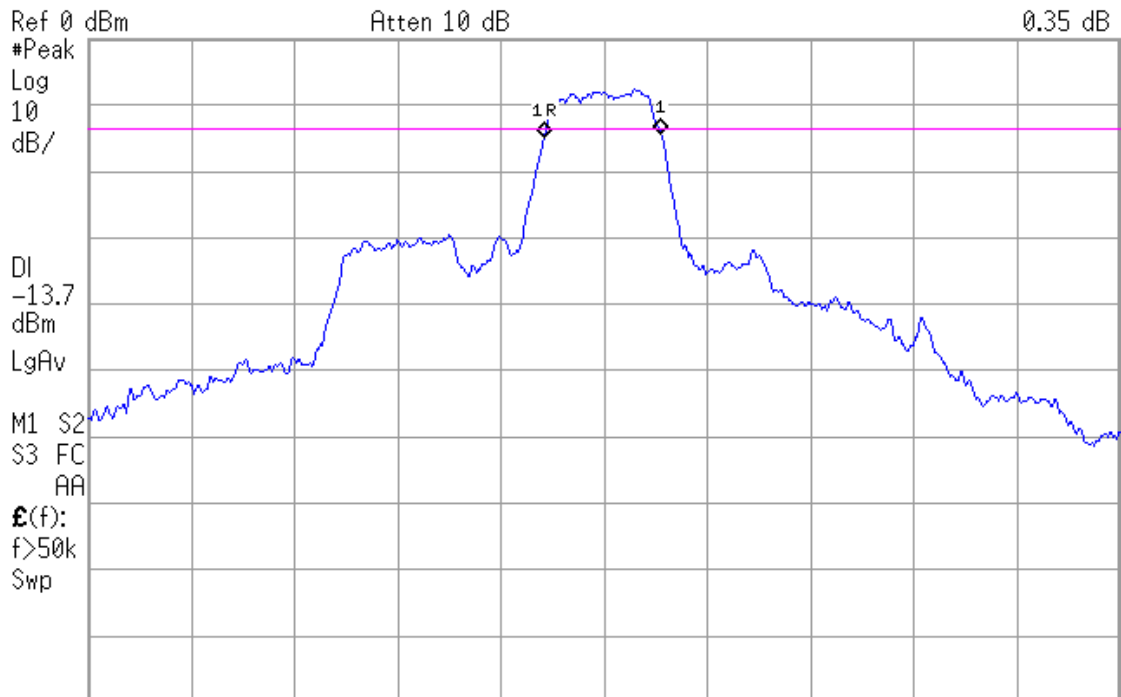
Agilent 08:24:54 Oct 27, 2009

▲ Mkr1 1.133 MHz  
0.77 dB

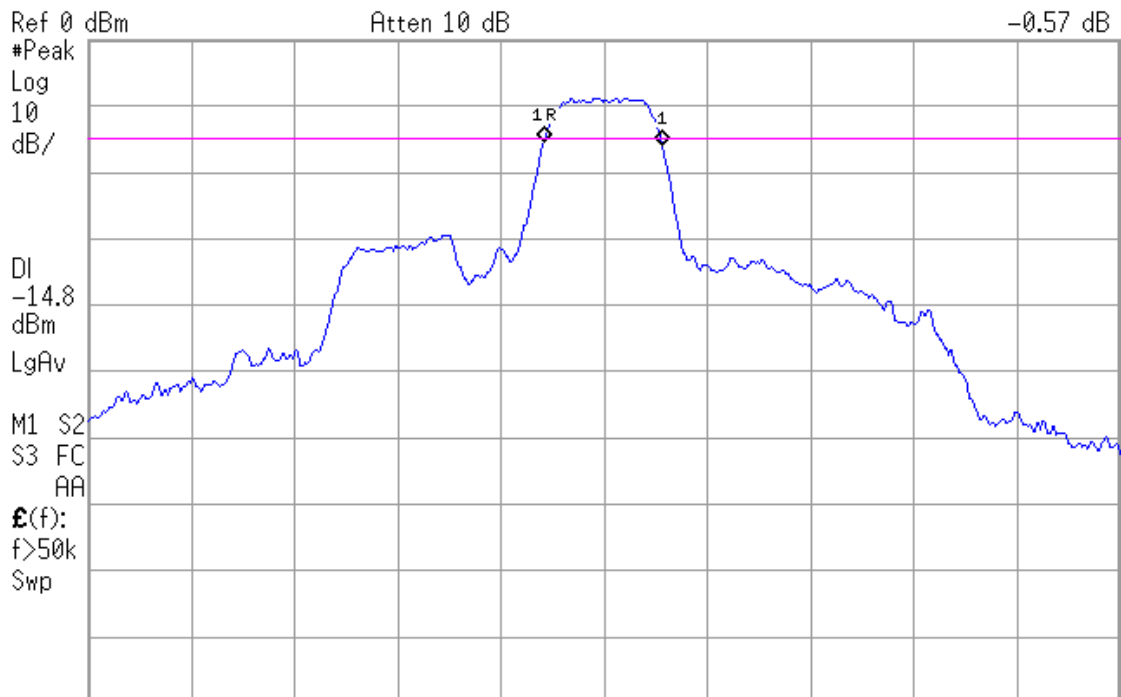


**Frequency: 2477MHz**

Agilent 09:25:47 Oct 27, 2009

▲ Mkr1 1.133 MHz  
0.35 dBCenter 2.477 000 GHz Span 10 MHz  
#Res BW 100 kHz #VBW 100 kHz Sweep 1.24 ms (601 pts)**Test Mode: Antenna #2****Frequency: 2405MHz**

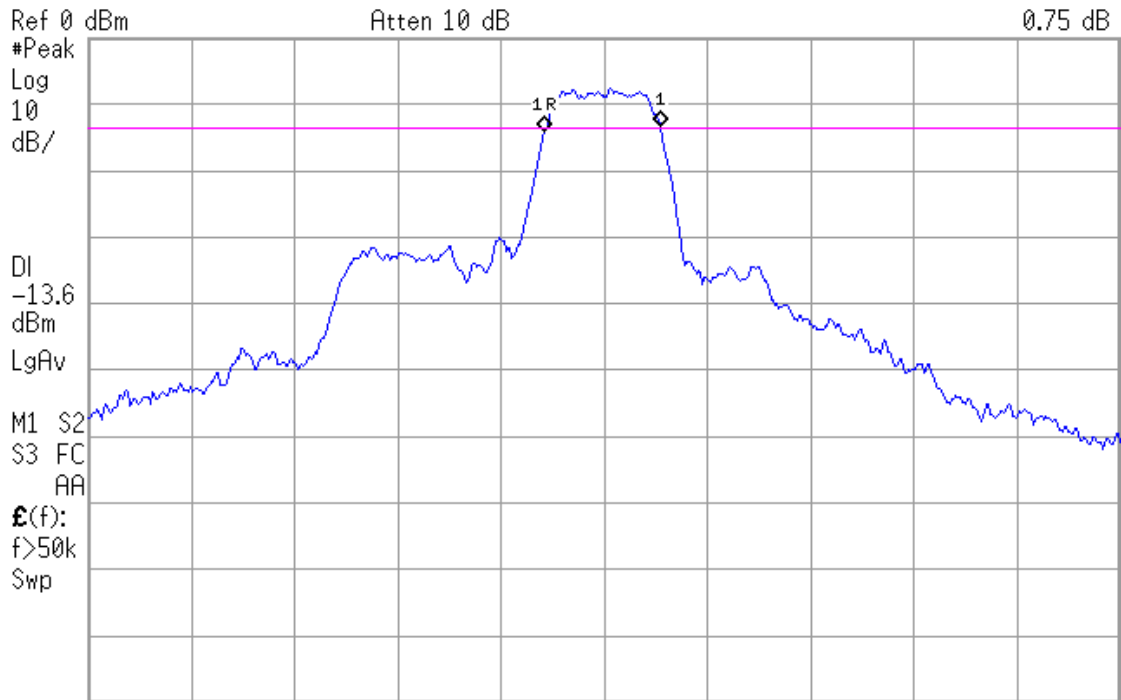
Agilent 08:43:52 Oct 27, 2009

▲ Mkr1 1.150 MHz  
-0.57 dBCenter 2.405 000 GHz Span 10 MHz  
#Res BW 100 kHz #VBW 100 kHz Sweep 1.24 ms (601 pts)

**Frequency: 2441MHz**

Agilent 09:18:09 Oct 27, 2009

▲ Mkr1 1.133 MHz  
0.75 dB



Center 2.441 000 GHz

Span 10 MHz

#Res BW 100 kHz

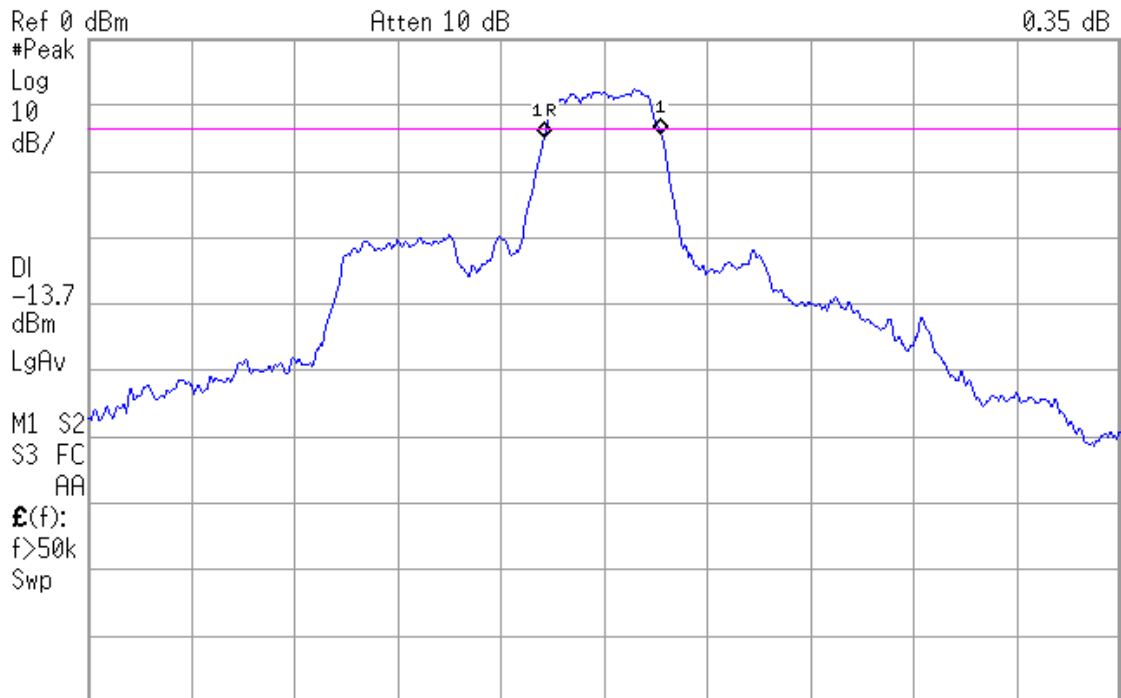
#VBW 100 kHz

Sweep 1.24 ms (601 pts)

**Frequency: 2477MHz**

Agilent 09:24:45 Oct 27, 2009

▲ Mkr1 1.133 MHz  
0.35 dB



Center 2.477 000 GHz

Span 10 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 1.24 ms (601 pts)

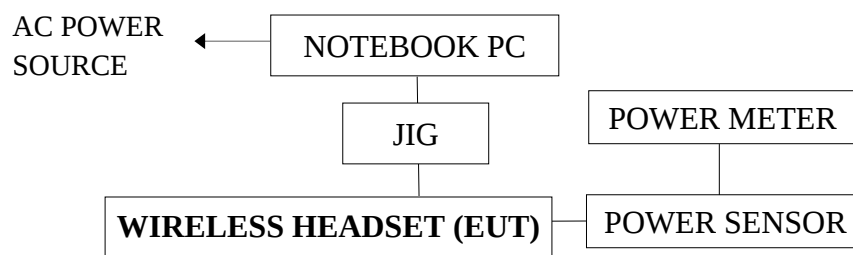
## 5. MAXIMUM PEAK OUTPUT POWER MEASUREMENT

### 5.1. Test Equipment

The following test equipment was used during the maximum peak output power measurement:

| Item | Type         | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|--------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Power Meter  | Agilent      | E4417A    | GB41291797 | Jan. 14, 09' | Jan. 13, 10' |
| 2.   | Power Sensor | Agilent      | E9327A    | US40441765 | Jan. 15, 09' | Jan. 14, 10' |

### 5.2. Block Diagram of Test Setup



### 5.3. Specification Limits (§15.247(b)-(3))

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz is : 1Watt. (30dBm)

### 5.4. Operating Condition of EUT

The test program “AMD2flash V1.45.002” was used to enable the EUT to transmit data at different channel frequency individually.

### 5.5. Test Procedure

The transmitter output was connected to the power meter that was designed to detect peak value automatically.

## 5.6. Test Results

**PASSED.** All the test results are listed below.

(Test Date : Oct. 27, 2009    Temperature : 24       Humidity : 53 %)

| Test Mode  | Channel | Frequency | Peak Output Power | Limit |
|------------|---------|-----------|-------------------|-------|
| Antenna #1 | 02      | 2405MHz   | <b>-6.65dBm</b>   | 30dBm |
|            | 20      | 2441MHz   | <b>-5.21dBm</b>   | 30dBm |
|            | 38      | 2477MHz   | <b>-4.94dBm</b>   | 30dBm |
| Antenna #2 | 02      | 2405MHz   | <b>-5.24dBm</b>   | 30dBm |
|            | 20      | 2441MHz   | <b>-3.89dBm</b>   | 30dBm |
|            | 38      | 2477MHz   | <b>-4.51dBm</b>   | 30dBm |

## 6. EMISSION LIMITATIONS MEASUREMENT

### 6.1. Test Equipment

The following test equipment was used during the emission limitations test :

| Item | Type              | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|-------------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer | Agilent      | E4446A    | US44300366 | Jul. 23, 09' | Jul. 22, 10' |

### 6.2. Block Diagram of Test Setup

The same as section.4.2.

### 6.3. Specification Limits (§15.247(c))

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (See Section 15.205(c)).( This test result attaching to §3.6.3)

### 6.4. Operating Condition of EUT

The test program “AMD2flash V1.45.002” was used to enable the EUT to transmit data at different channel frequency individually.

### 6.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW.

## 6.6. Test Results

**PASSED.** The testing data was attached in the next pages.

(Test Date : Oct. 27, 2009    Temperature : 24        Humidity : 53 %)

### **Test Mode: Antenna #1**

1. 2405MHz: During 30MHz~25GHz bandwidth. In the 3.07GHz, the -59.56dBm is max value that is lower than 20dB of primary channel.
2. 2441MHz: During 30MHz~25GHz bandwidth. In the 3.07GHz, the -60.19dBm is max value that is lower than 20dB of primary channel.
3. 2477MHz: During 30MHz~25GHz bandwidth. In the 3.19GHz, the -63.53dBm is max value that is lower than 20dB of primary channel.

### **Test Mode: Antenna #2**

1. 2405MHz: During 30MHz~25GHz bandwidth. In the 3.07GHz, the -63.42dBm is max value that is lower than 20dB of primary channel.
2. 2441MHz: During 30MHz~25GHz bandwidth. In the 3.07GHz, the -65.12dBm is max value that is lower than 20dB of primary channel.
3. 2477MHz: During 30MHz~25GHz bandwidth. In the 3.19GHz, the -65.13dBm is max value that is lower than 20dB of primary channel.

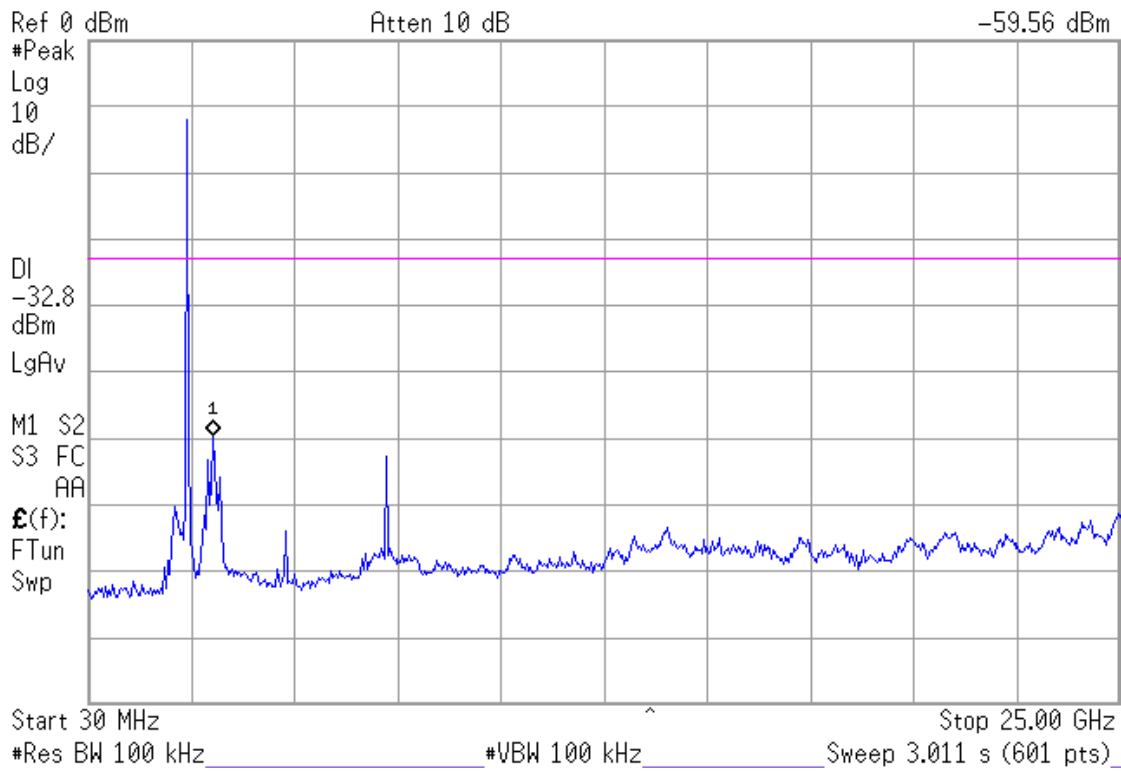
Note: The peak above the limit line is the carrier frequency.

**Test Mode: Antenna #1****Frequency: 2405MHz**

Agilent 08:17:14 Oct 27, 2009

Mkr1 3.07 GHz

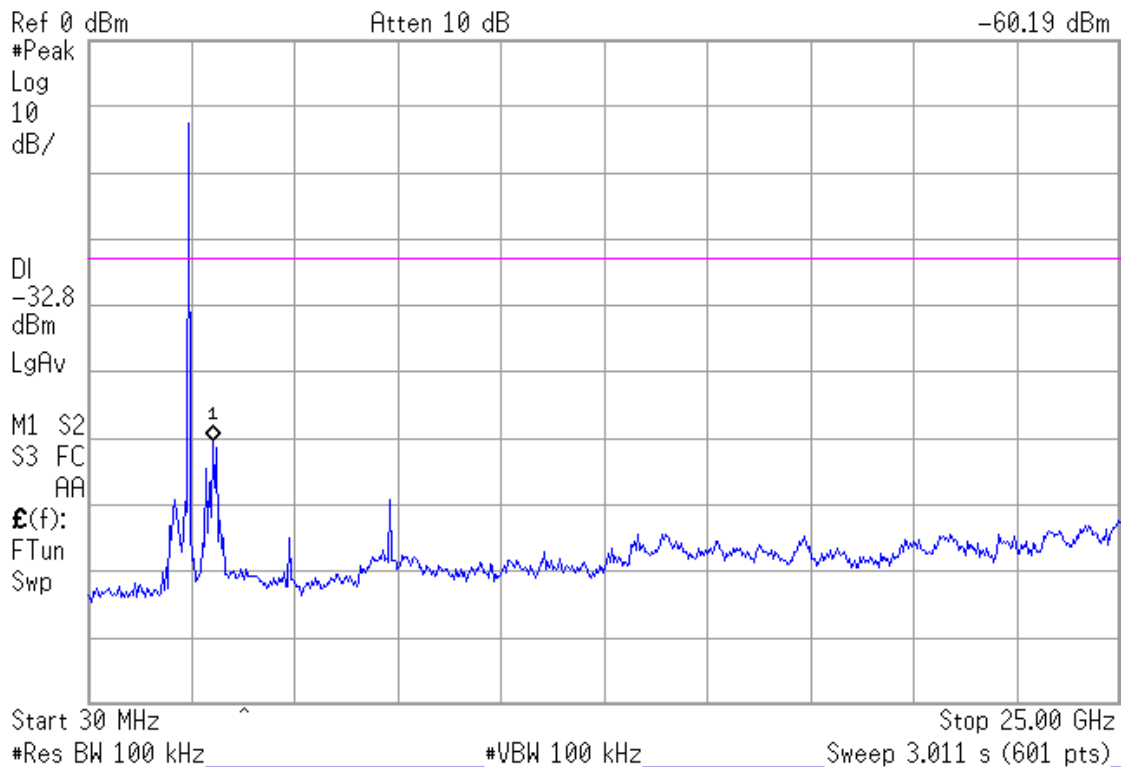
-59.56 dBm

**Frequency: 2441MHz**

Agilent 08:24:09 Oct 27, 2009

Mkr1 3.07 GHz

-60.19 dBm

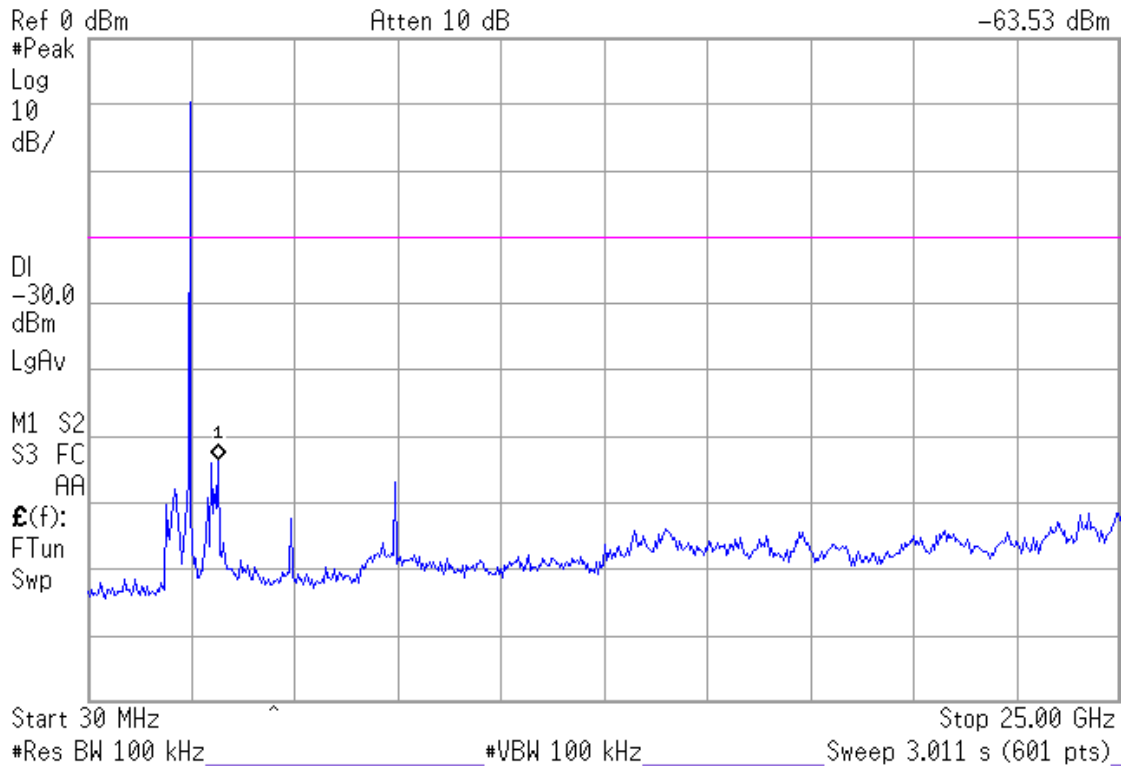


**Frequency: 2477MHz**

Agilent 08:26:54 Oct 27, 2009

Mkr1 3.19 GHz

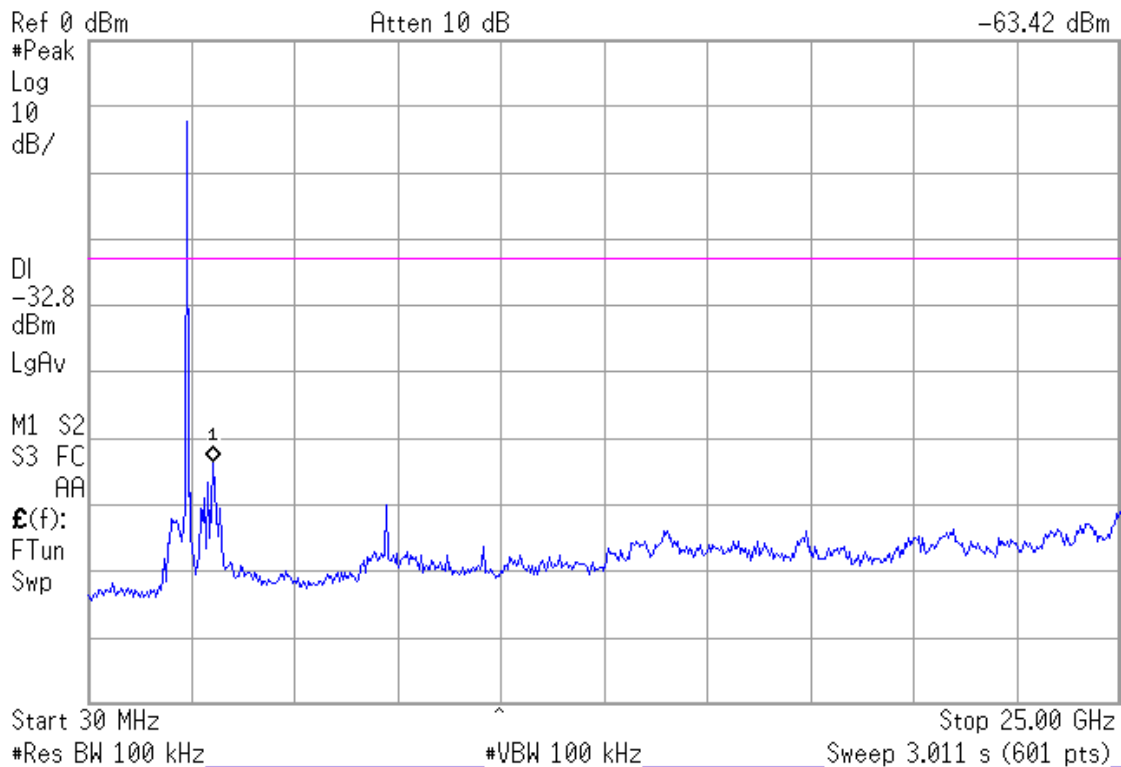
-63.53 dBm

**Test Mode: Antenna #2****Frequency: 2405MHz**

Agilent 08:50:28 Oct 27, 2009

Mkr1 3.07 GHz

-63.42 dBm

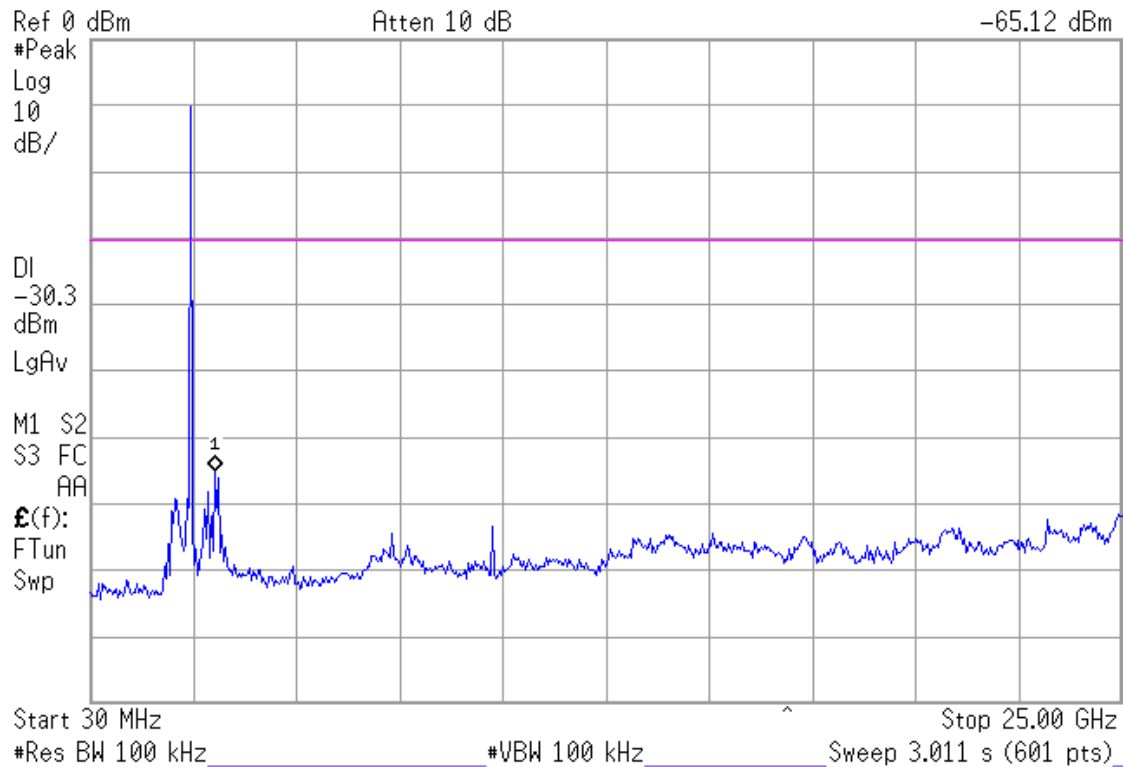


**Frequency: 2441MHz**

Agilent 09:21:23 Oct 27, 2009

Mkr1 3.07 GHz

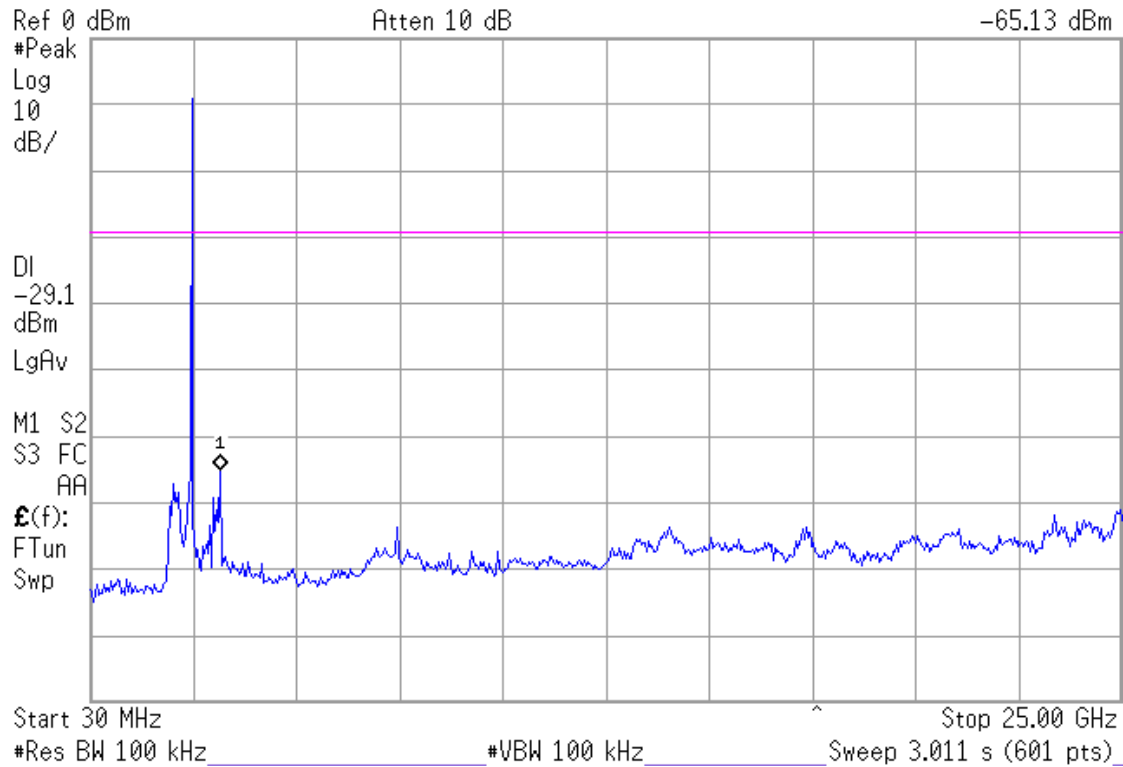
-65.12 dBm

**Frequency: 2477MHz**

Agilent 09:22:18 Oct 27, 2009

Mkr1 3.19 GHz

-65.13 dBm



## 7. BAND EDGES MEASUREMENT

### 7.1. Test Equipment

The following test equipment was used during the band edges measurement:

| Item | Type              | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|-------------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer | Agilent      | E4446A    | US44300366 | Jul. 23, 09' | Jul. 22, 10' |

### 7.2. Block Diagram of Test Setup

The same as section.4.2.

### 7.3. Specification Limits (§15.247(c))

The highest level should be at least 20 dB below that in the 100kHz bandwidth.

### 7.4. Operating Condition of EUT

The test program “AMD2flash V1.45.002” was used to enable the EUT to transmit data at different channel frequency individually.

### 7.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100kHz bandwidth from band edge.

### 7.6. Test Results

**PASSED.** All the test results are attached in next pages.

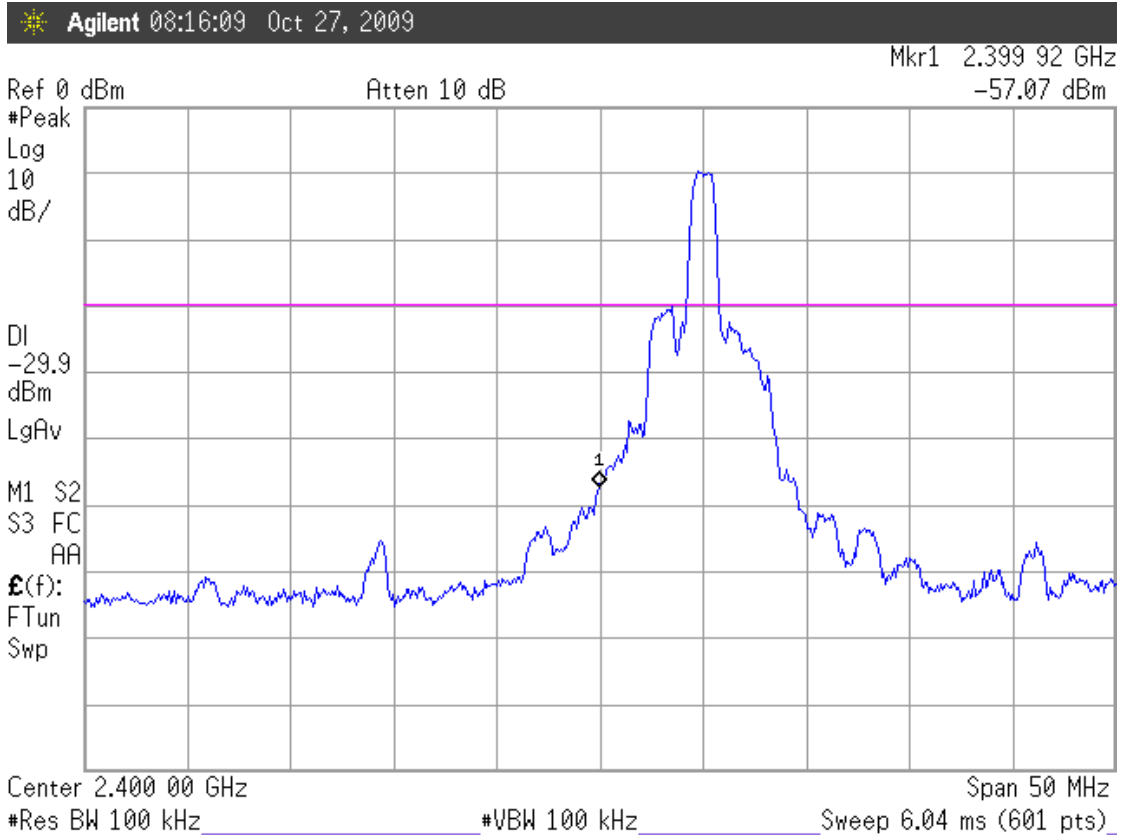
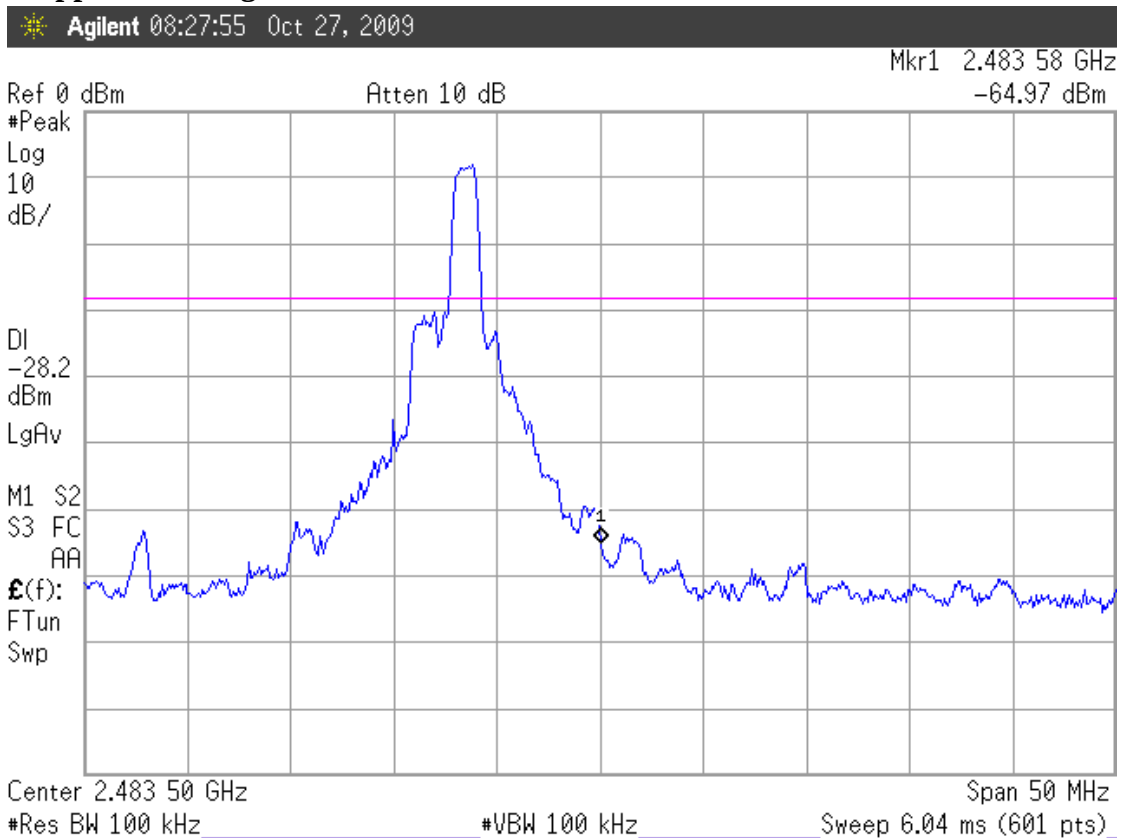
(Test Date : Oct. 27, 2009    Temperature : 24        Humidity : 53 %)

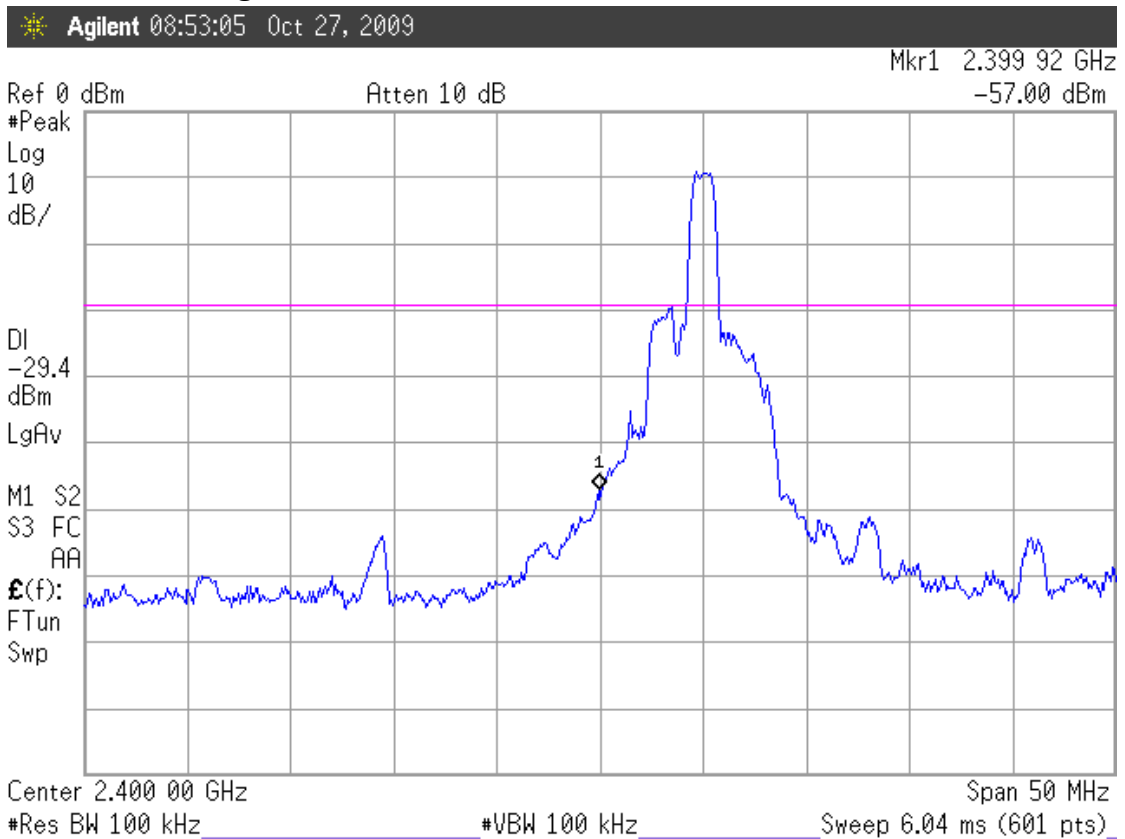
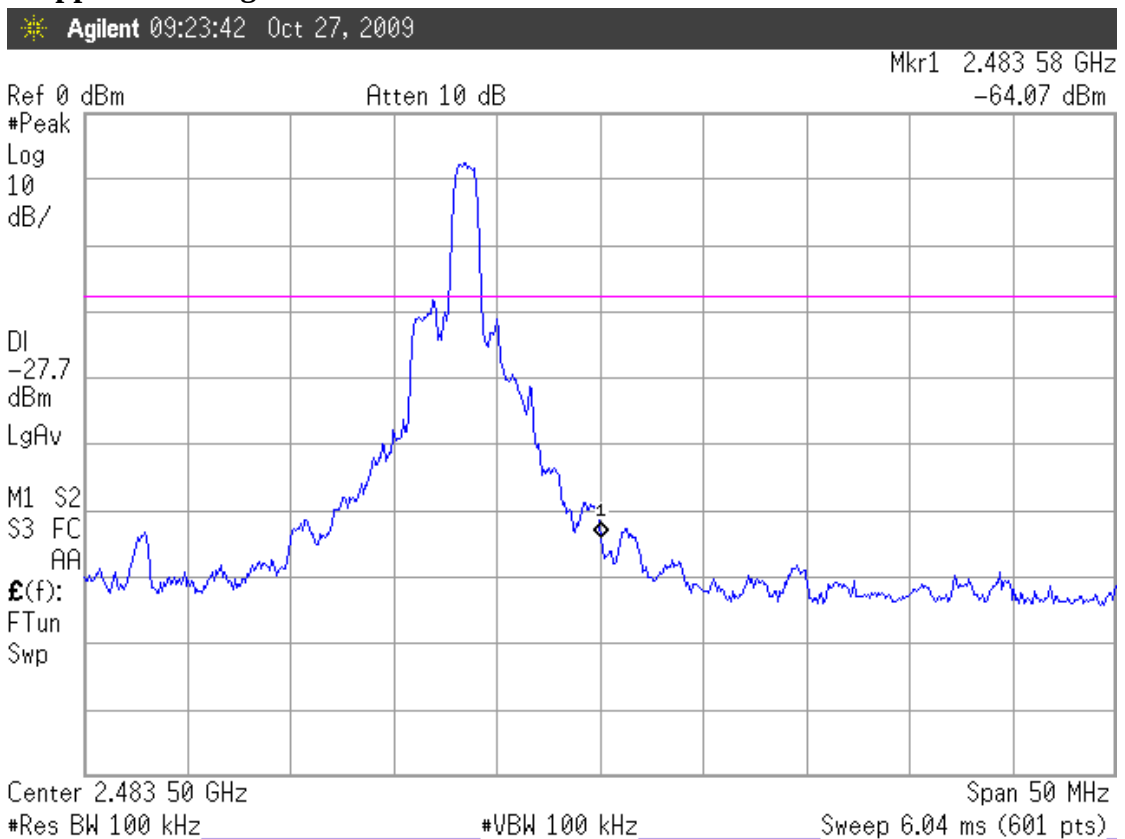
#### **Test Mode: Antenna #1**

1. Below Band edge: The highest emission level is –57.07dBm on 2.39992GHz.
2. Upper Band edge : The highest emission level is –64.97dBm on 2.48358GHz.

#### **Test Mode: Antenna #2**

1. Below Band edge: The highest emission level is –57.00dBm on 2.39992GHz.
2. Upper Band edge : The highest emission level is –64.07dBm on 2.48358GHz.

**Test Mode: Antenna #1****Below Band edge****Upper Band edge**

**Test Mode: Antenna #2****Below Band edge****Upper Band edge**

## 8. POWER SPECTRAL DENSITY MEASUREMENT

### 8.1. Test Equipment

The following test equipment was used during the power spectral density measurement:

| Item | Type              | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|-------------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer | Agilent      | E4446A    | US44300366 | Jul. 23, 09' | Jul. 22, 10' |

### 8.2. Block Diagram of Test Setup

The same as section.4.2.

### 8.3. Specification Limits (§15.247(d))

The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

### 8.4. Operating Condition of EUT

The test program “AMD2flash V1.45.002” was used to enable the EUT to transmit data at different channel frequency individually.

### 8.5. Test Procedure

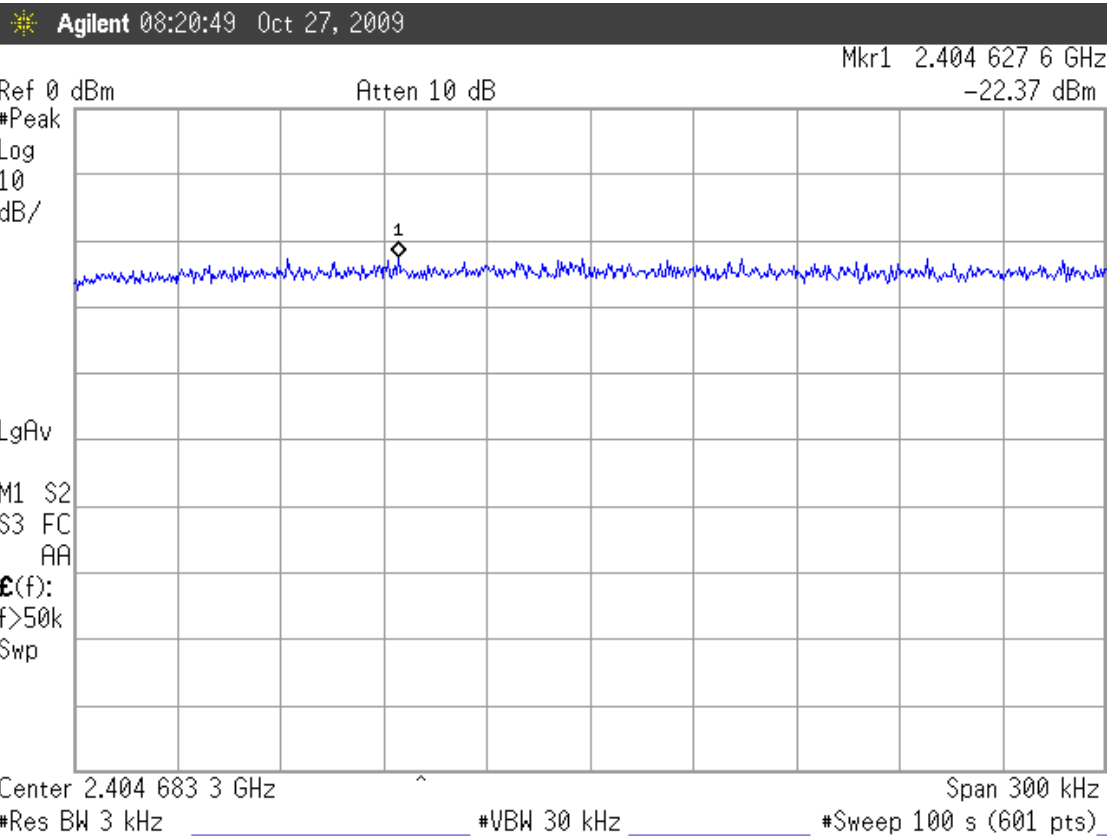
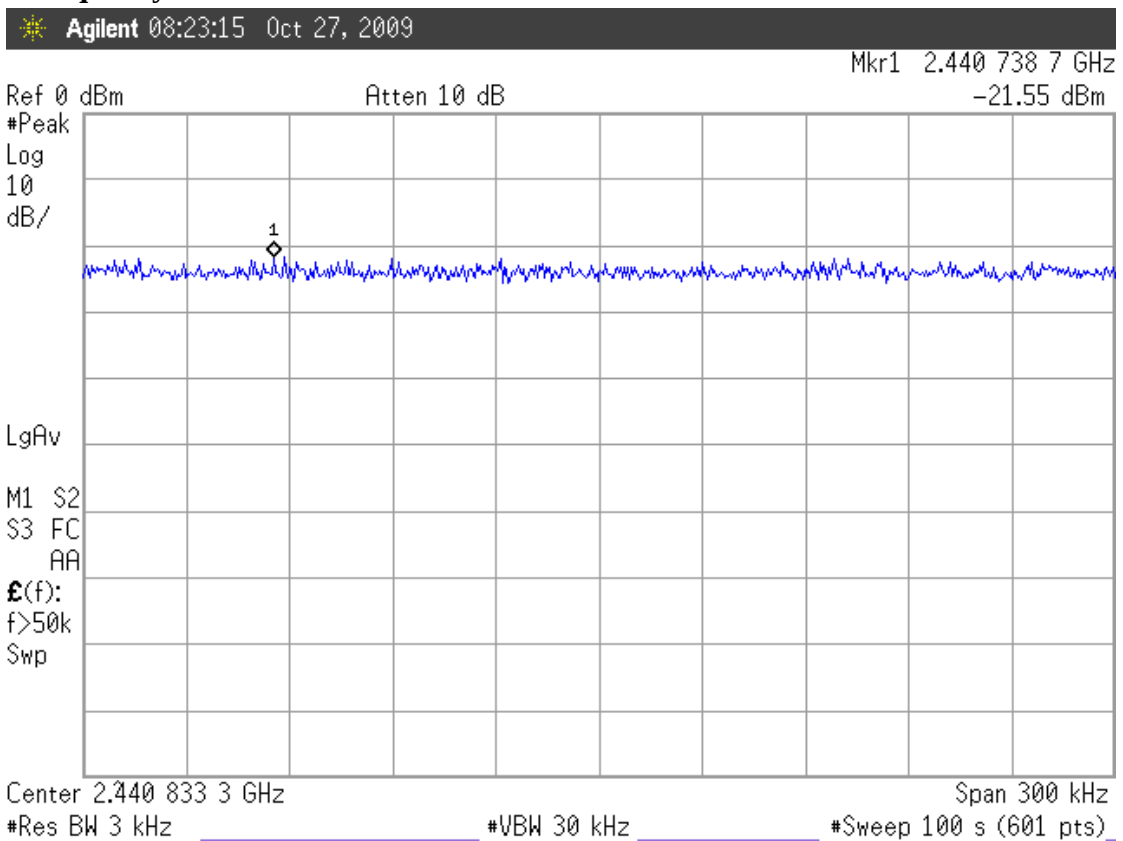
The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/300kHz.

### 8.6. Test Results

**PASSED.** All the test results are attached in next pages.

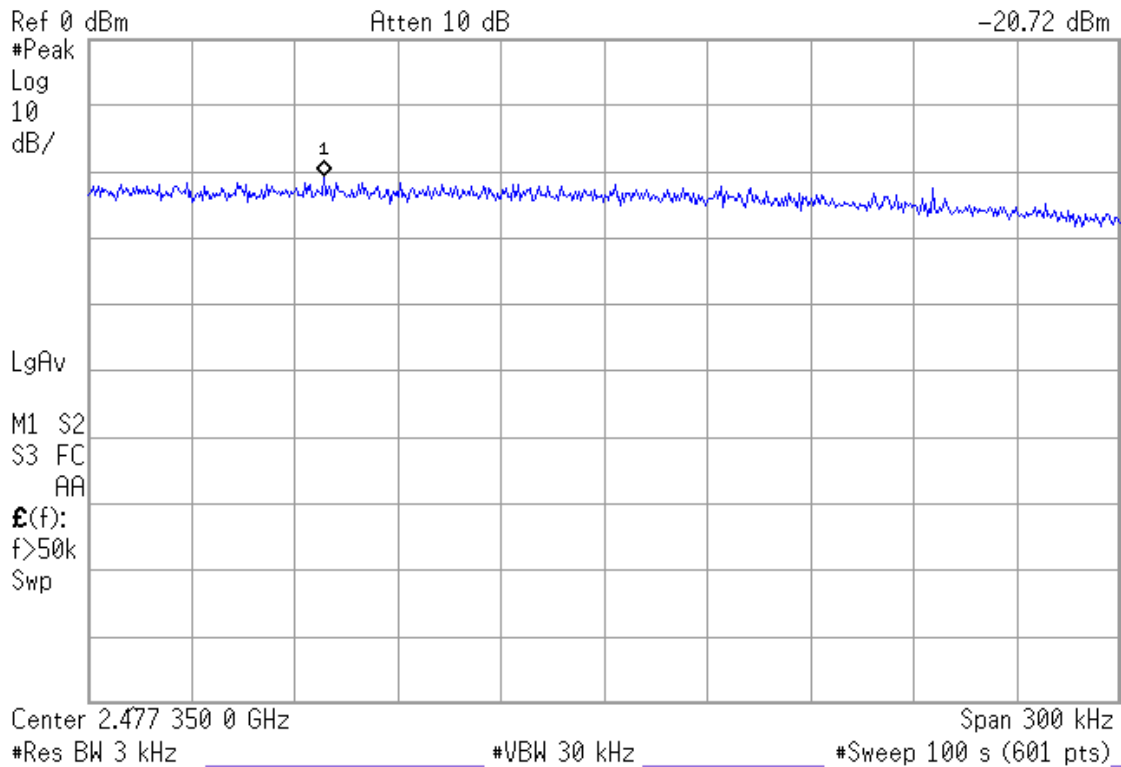
(Test Date : Oct. 27, 2009    Temperature : 24    Humidity : 53 %)

| Test Mode  | Channel | Frequency | Power Spectral Density | Limit |
|------------|---------|-----------|------------------------|-------|
| Antenna #1 | 20      | 2405MHz   | <b>-22.37dBm</b>       | 8dBm  |
|            | 20      | 2441MHz   | <b>-21.55dBm</b>       | 8dBm  |
|            | 38      | 2477MHz   | <b>-20.72dBm</b>       | 8dBm  |
| Antenna #2 | 20      | 2405MHz   | <b>-20.83dBm</b>       | 8dBm  |
|            | 20      | 2441MHz   | <b>-19.64dBm</b>       | 8dBm  |
|            | 38      | 2477MHz   | <b>-19.46dBm</b>       | 8dBm  |

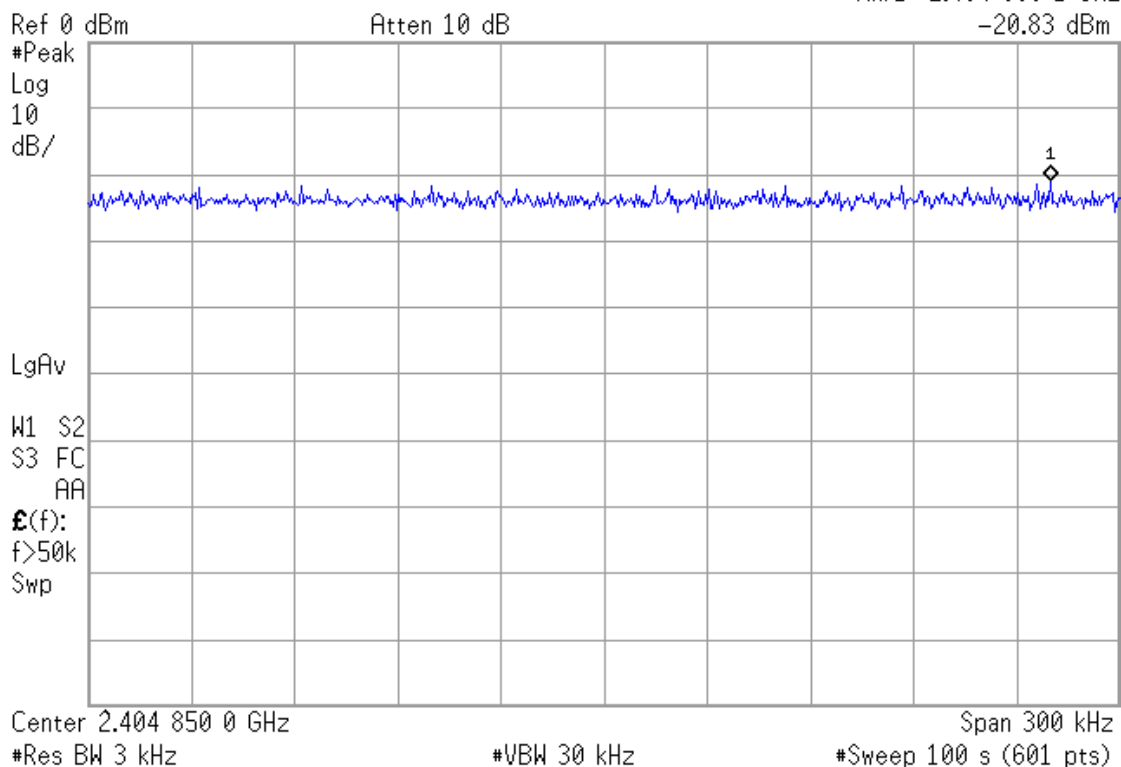
**Test Mode: Antenna #1****Frequency: 2405MHz****Frequency: 2441MHz**

**Frequency: 2477MHz**

Agilent 08:31:36 Oct 27, 2009

Mkr1 2.477 268 0 GHz  
-20.72 dBm**Test Mode: Antenna #2****Frequency: 2405MHz**

Agilent 08:47:48 Oct 27, 2009

Mkr1 2.404 980 1 GHz  
-20.83 dBm

**Frequency: 2441MHz**

Agilent 09:20:15 Oct 27, 2009

Mkr1 2.440 962 0 GHz

-19.64 dBm

Ref 0 dBm

Atten 10 dB

#Peak

Log

10

dB/

LgAv

M1 S2

S3 FC

AA

E(f):

f&gt;50k

Swp

Center 2.441 066 7 GHz

Span 300 kHz

#Res BW 3 kHz

#VBW 30 kHz

#Sweep 100 s (601 pts)

**Frequency: 2477MHz**

Agilent 09:27:11 Oct 27, 2009

Mkr1 2.477 317 1 GHz

-19.46 dBm

Ref 0 dBm

Atten 10 dB

#Peak

Log

10

dB/

LgAv

M1 S2

S3 FC

AA

E(f):

f&gt;50k

Swp

Center 2.477 300 0 GHz

Span 300 kHz

#Res BW 3 kHz

#VBW 30 kHz

#Sweep 100 s (601 pts)

## **9. DEVIATION TO TEST SPECIFICATIONS**

**【NONE】**

# APPENDIX I

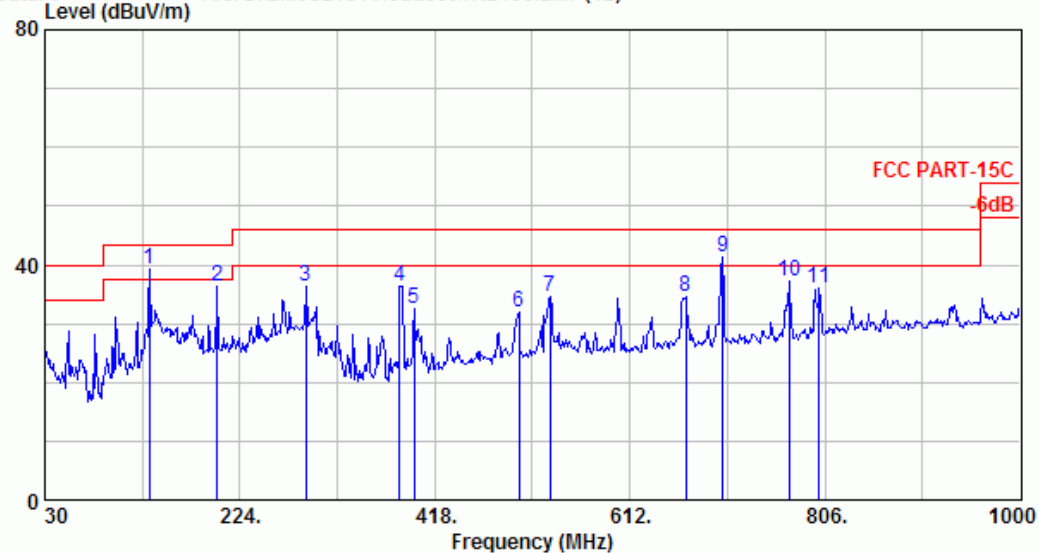
(Radiated Test Data for frequency rang above  
1GHz at Semi-Anechoic Chamber)

Total Pages: 24 Pages



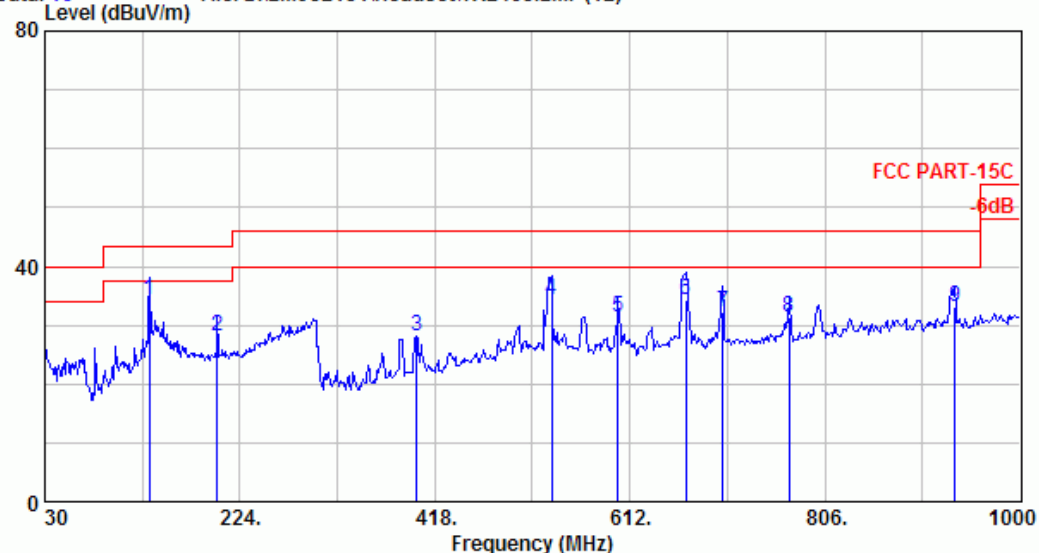
AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 9 File: D:\EM982151\Headset\TX2405.EMI (12)



Site no. : @AC Chamber Data no. : 9  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Sound Blaster World of Warcraft Wireless  
Power Rating : Hs Wireless Headset  
Test Mode : TX2405

Data: 10 File: D:\EM982151\Headset\TX2405.EMI (12)

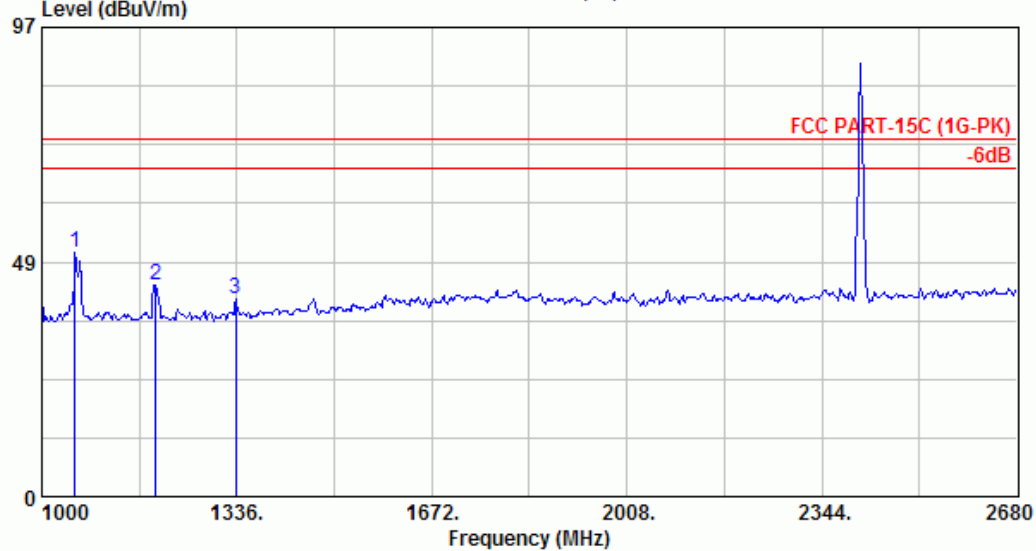


Site no. : @AC Chamber Data no. : 10  
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL  
Limit : FCC PART-15C  
Env. / Ins. : 8564EC 26°C/51% Engineer : Jarwei Wang  
EUT : Wireless Headset  
Power Rating : Headset DC 3.7V M/N:GH0100B  
Test Mode : TX2405



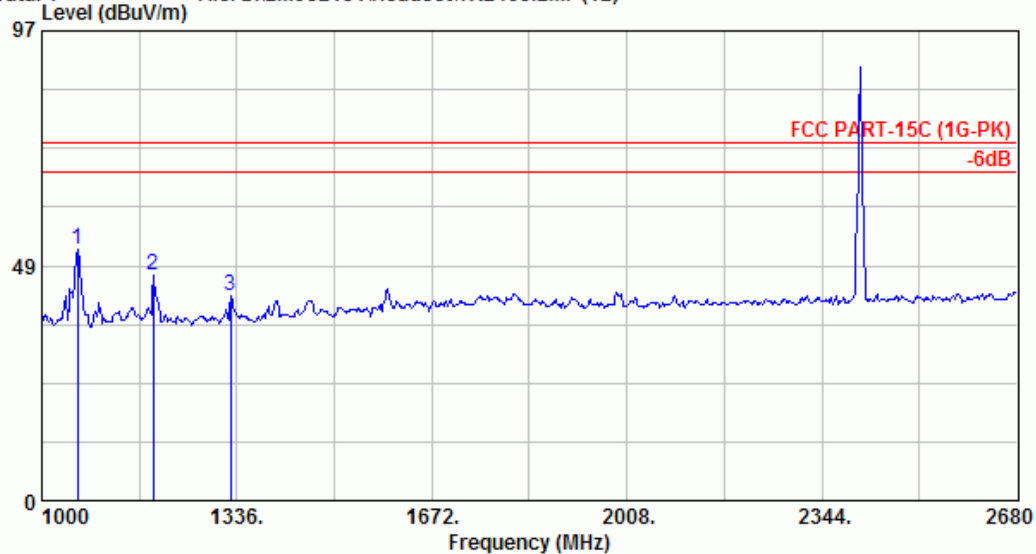
AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 2 File: D:\EM982151\Headset\TX2405.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 2           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |

Data: 1 File: D:\EM982151\Headset\TX2405.EMI (12)

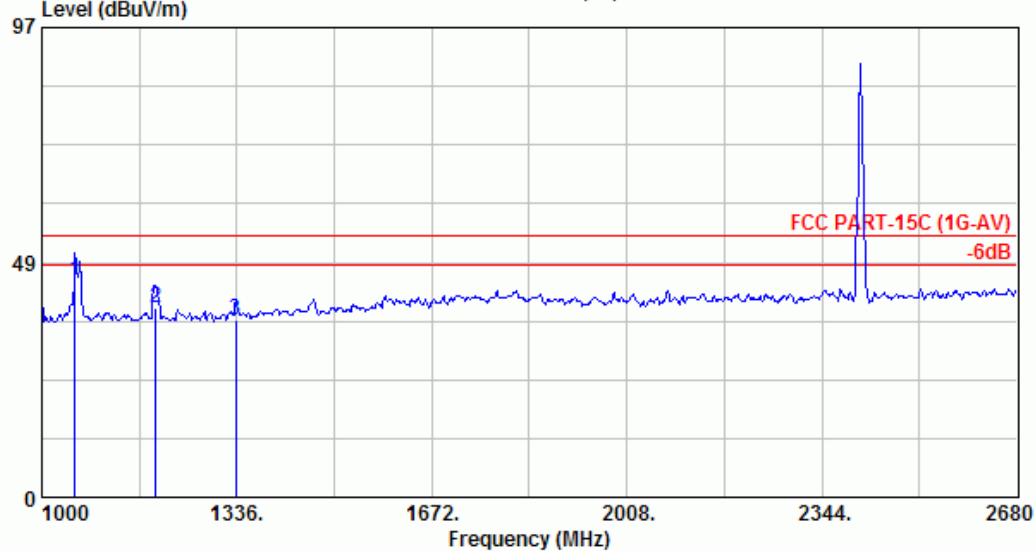


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 1           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |



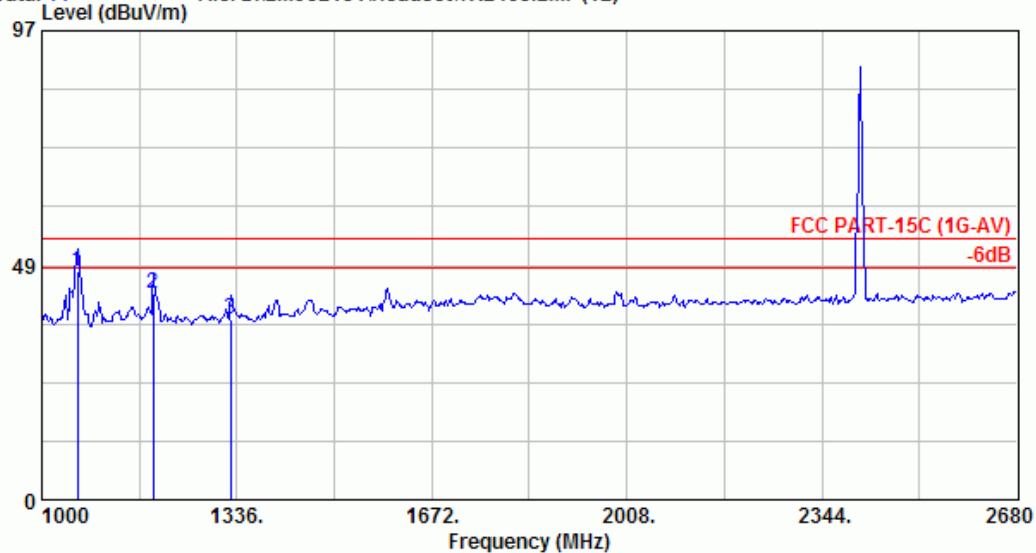
AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 12 File: D:\EM982151\Headset\TX2405.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 12          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |

Data: 11 File: D:\EM982151\Headset\TX2405.EMI (12)

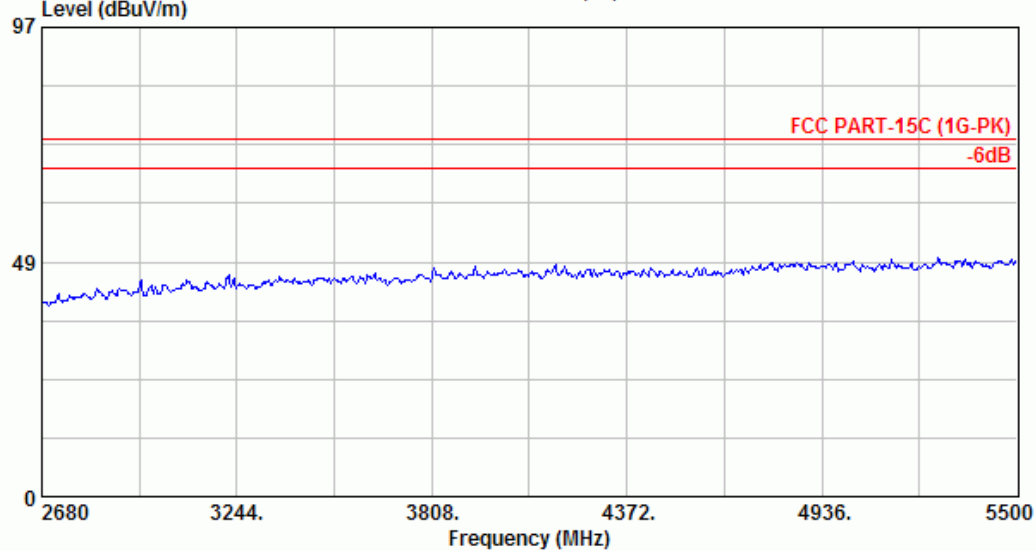


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 11          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |



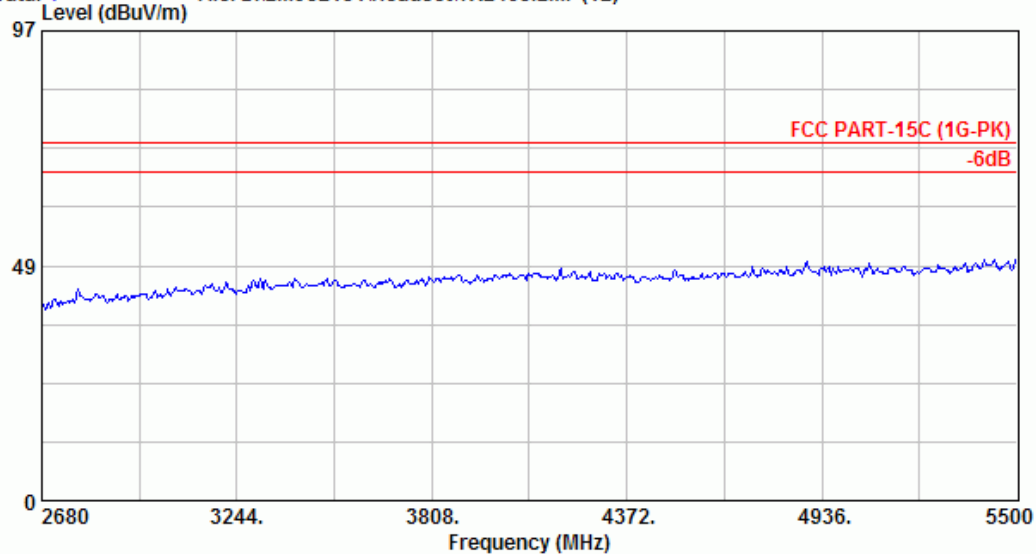
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttemc@ttemc.com.tw

Data: 3 File: D:\EM982151\Headset\TX2405.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 3           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |

Data: 4 File: D:\EM982151\Headset\TX2405.EMI (12)

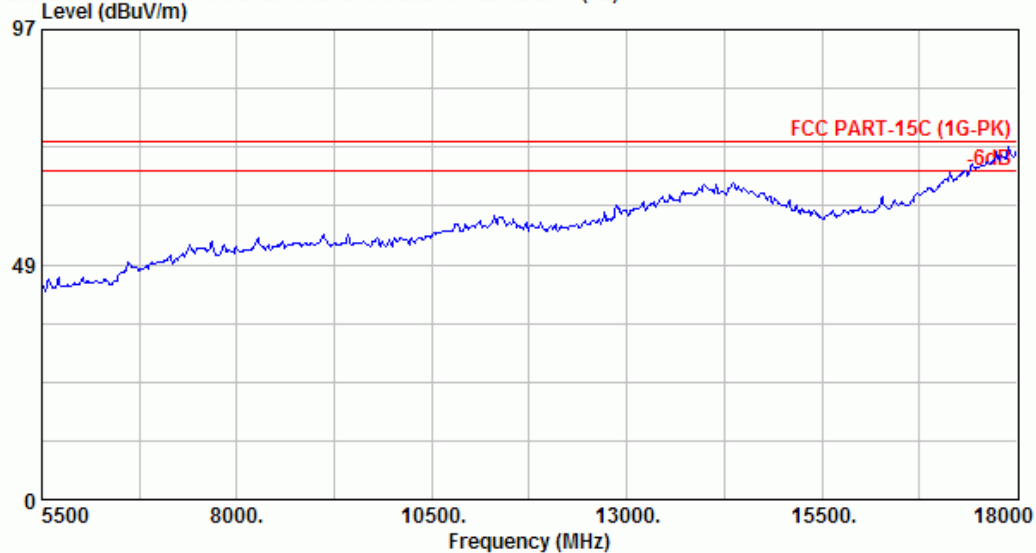


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 4           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |



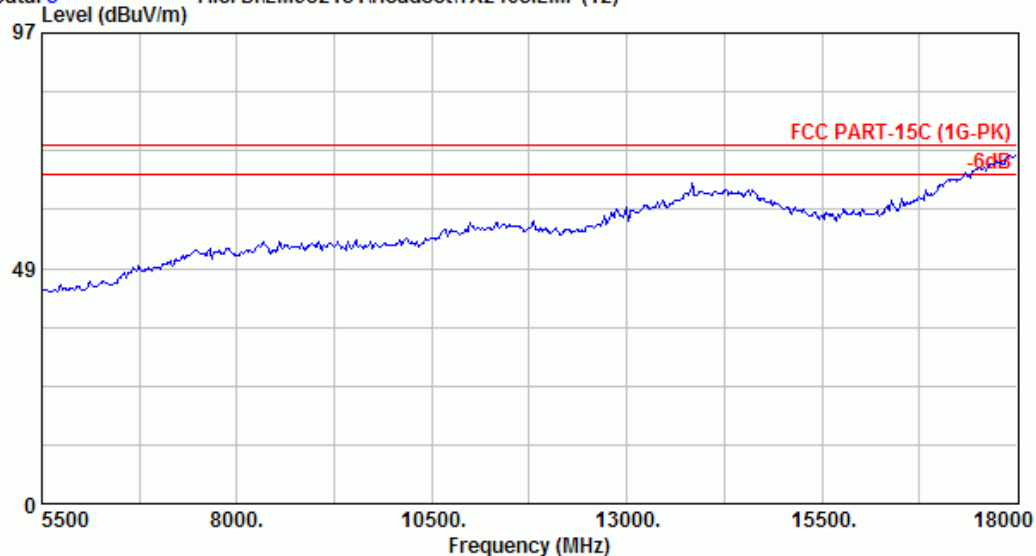
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 6 File: D:\EM982151\Headset\TX2405.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 6           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |

Data: 5 File: D:\EM982151\Headset\TX2405.EMI (12)

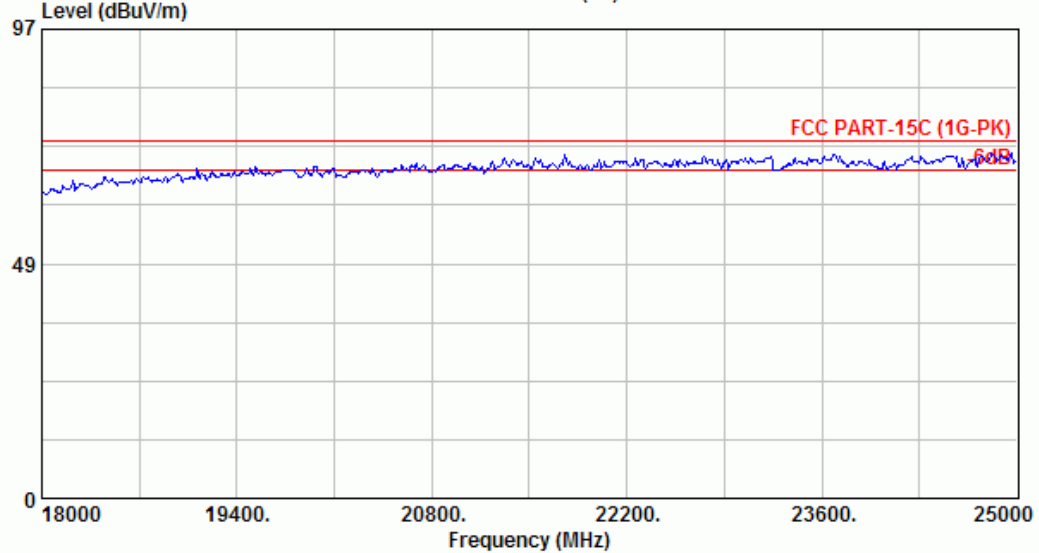


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 5           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |



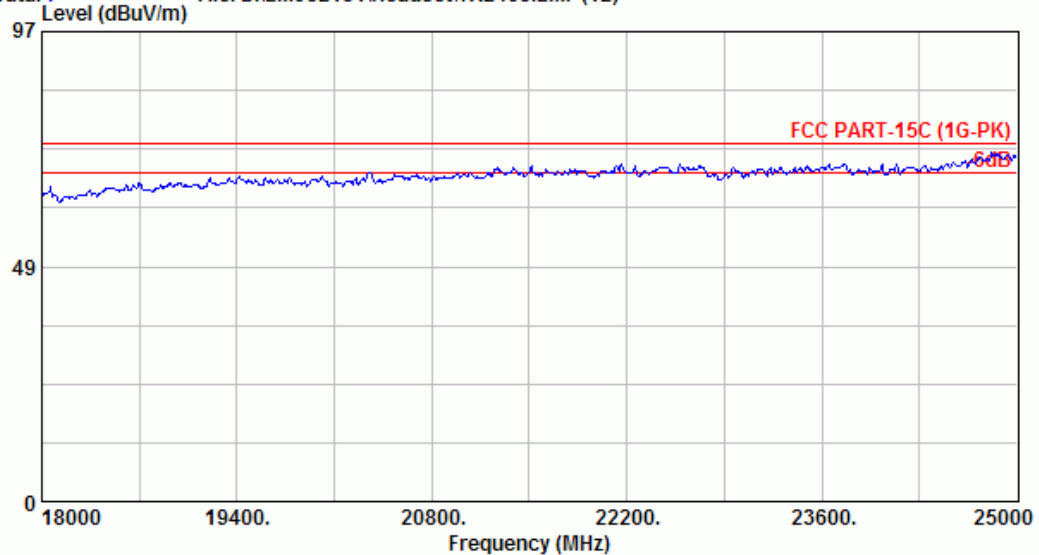
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 8 File: D:\EM982151\Headset\TX2405.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 8           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |

Data: 7 File: D:\EM982151\Headset\TX2405.EMI (12)

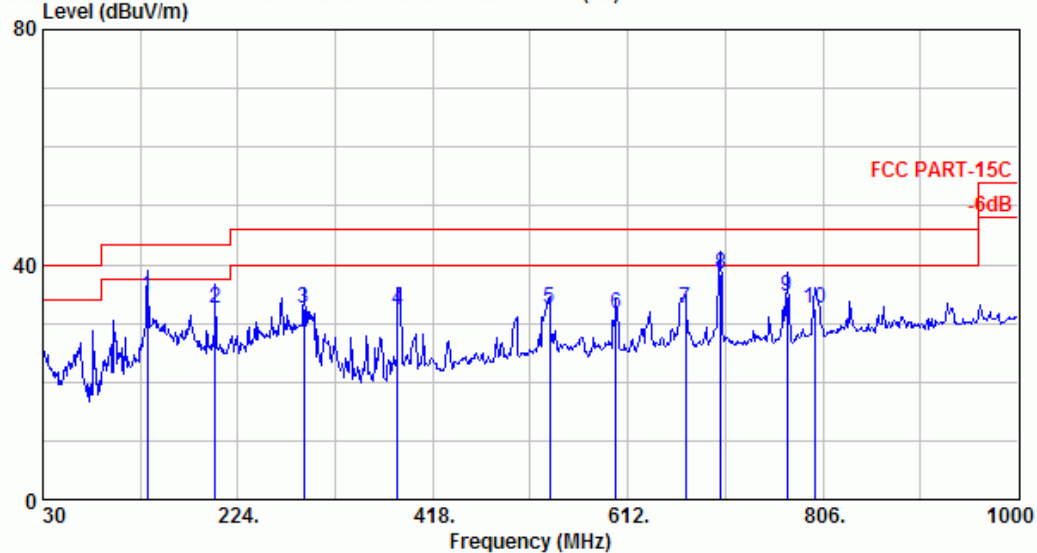


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 7           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2405                      |           |               |



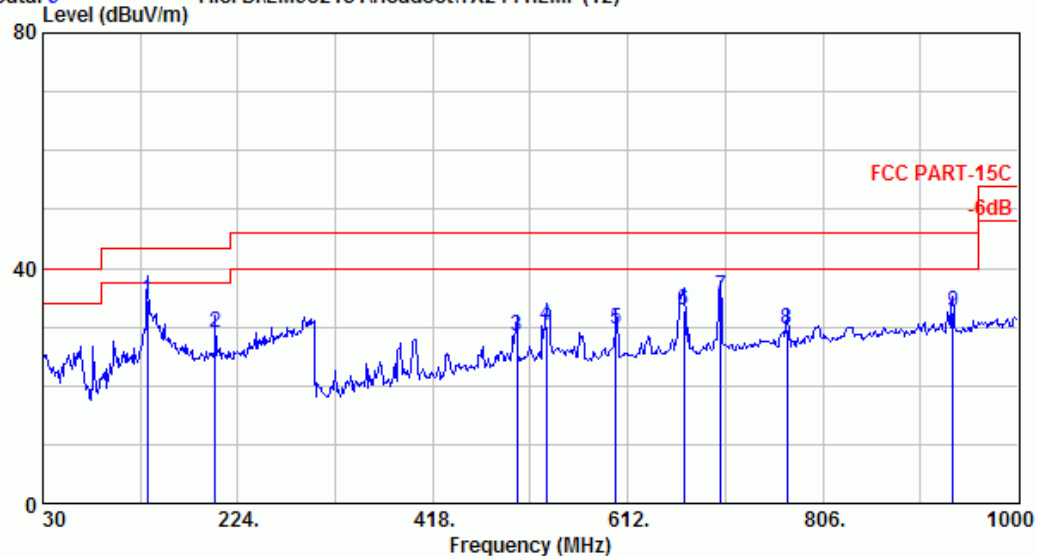
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 No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
 County, Taiwan R.O.C. Post Code:24443  
 Tel:+886-2-26092133 Fax:+886-2-26099303  
 Email:ttmc@ttmc.com.tw

Data: 10 File: D:\EM982151\Headset\TX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 10          |
| Dis. / Ant.  | : 3m VBA6106A/UHALP9108A      | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C                |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |

Data: 9 File: D:\EM982151\Headset\TX2441.EMI (12)

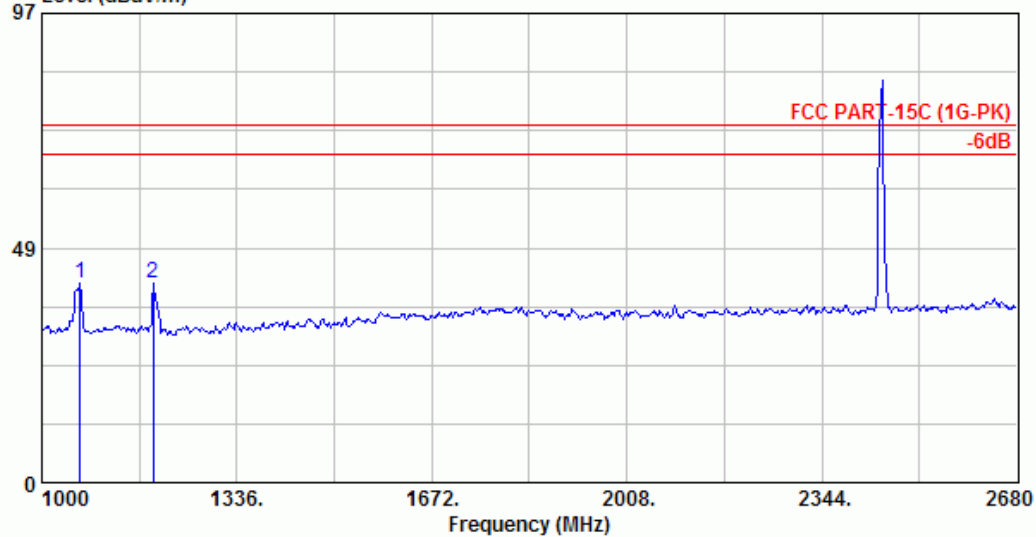


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 9           |
| Dis. / Ant.  | : 3m VBA6106A/UHALP9108A      | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C                |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |



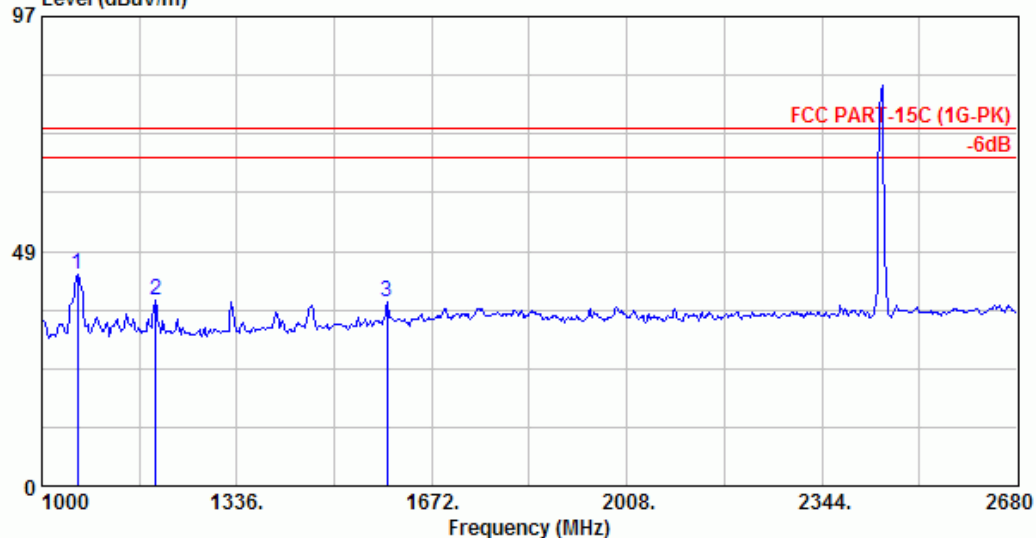
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
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Data: 1 File: D:\EM982151\Headset\TX2441.EMI (12)  
Level (dBuV/m)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 1           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |

Data: 2 File: D:\EM982151\Headset\TX2441.EMI (12)  
Level (dBuV/m)

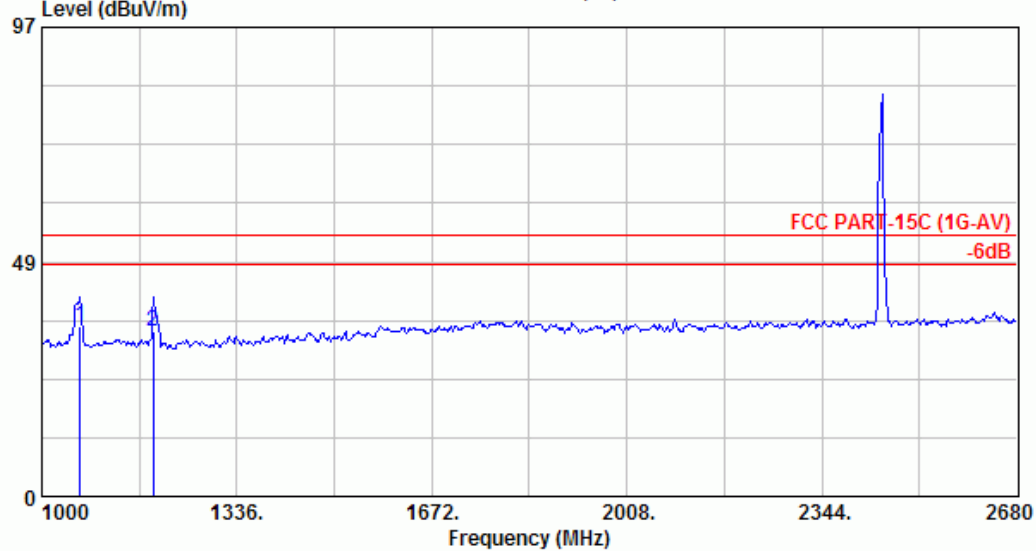


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 2           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |



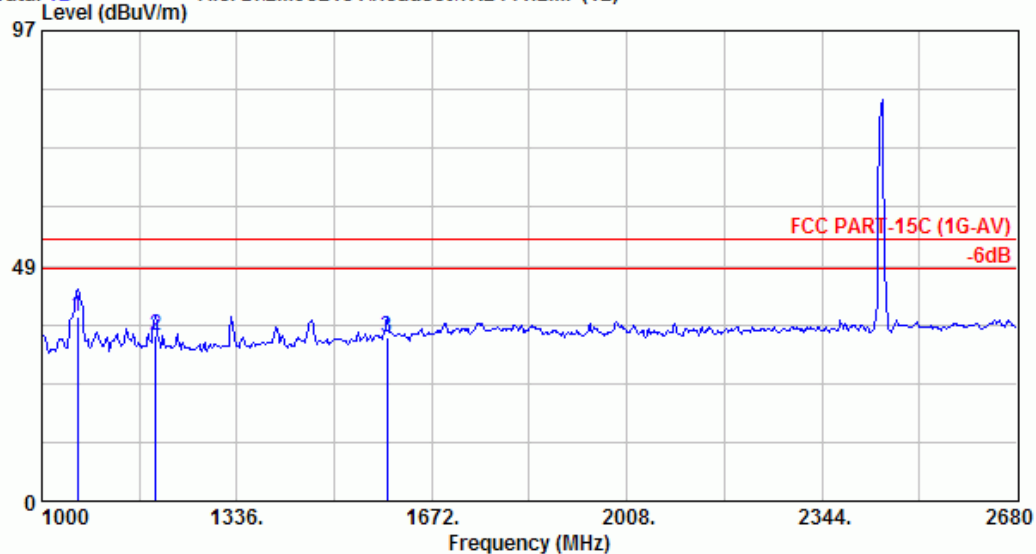
AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 11 File: D:\EM982151\Headset\TX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 11          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |

Data: 12 File: D:\EM982151\Headset\TX2441.EMI (12)

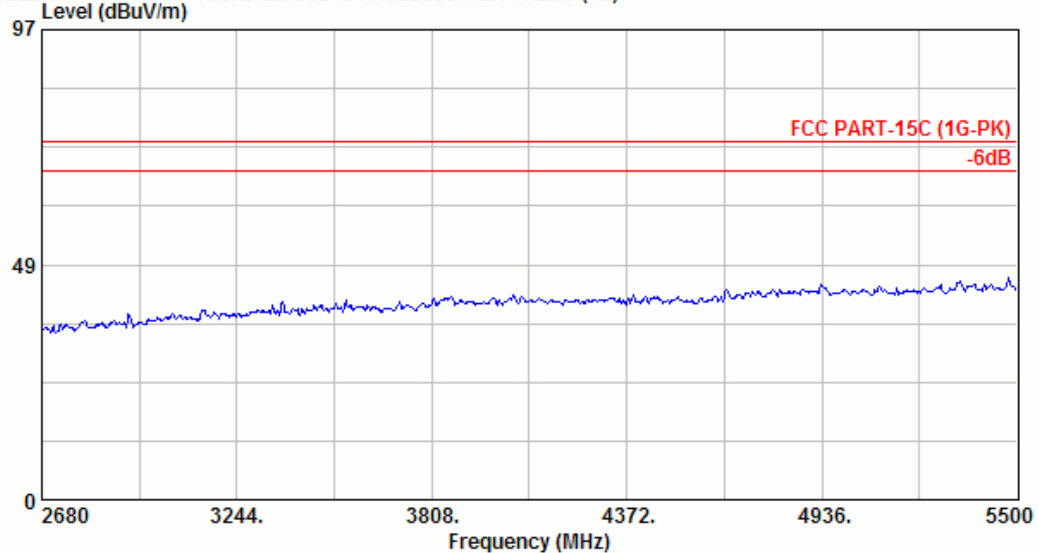


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 12          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |



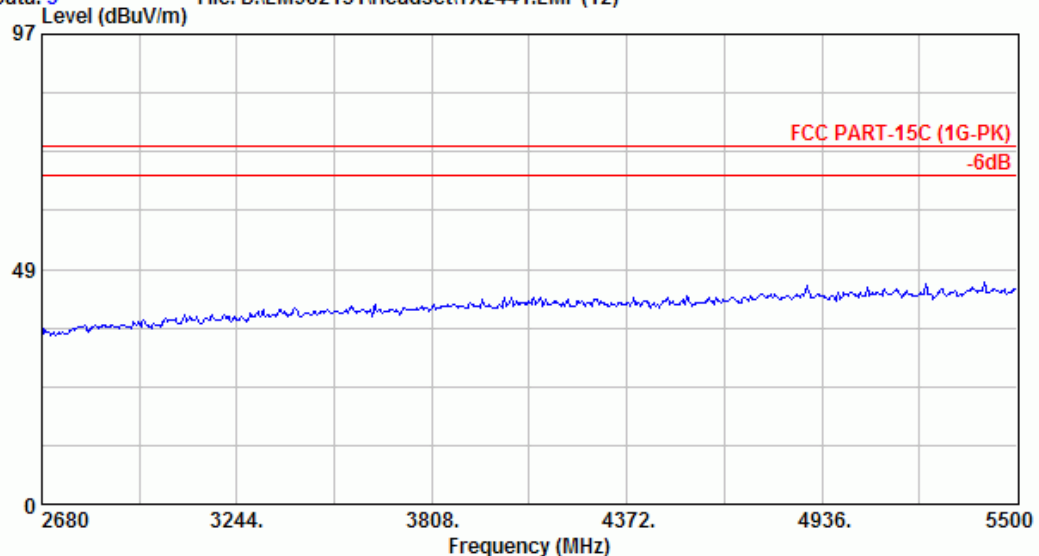
AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 4 File: D:\EM982151\Headset\TX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 4           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |

Data: 3 File: D:\EM982151\Headset\TX2441.EMI (12)

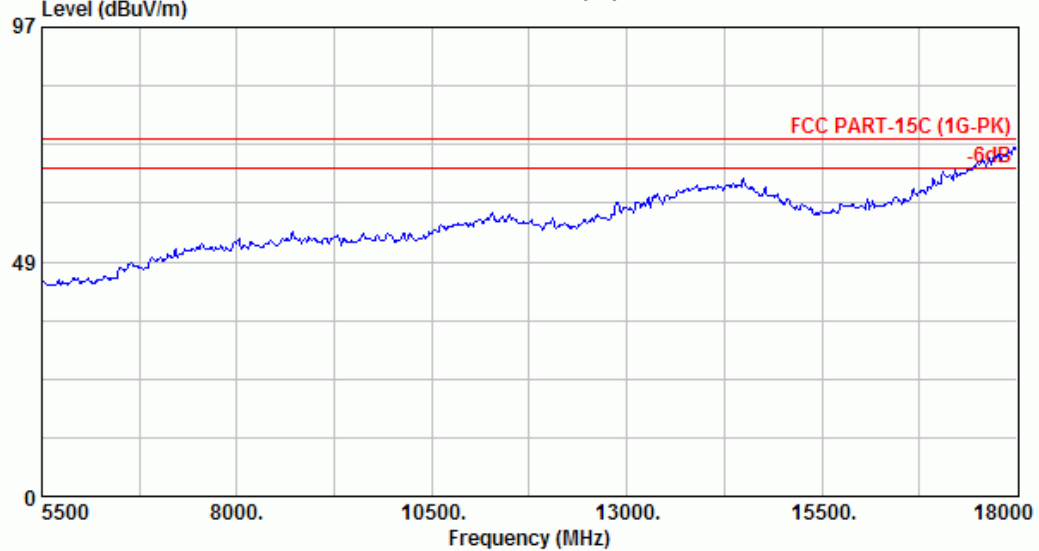


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 3           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |



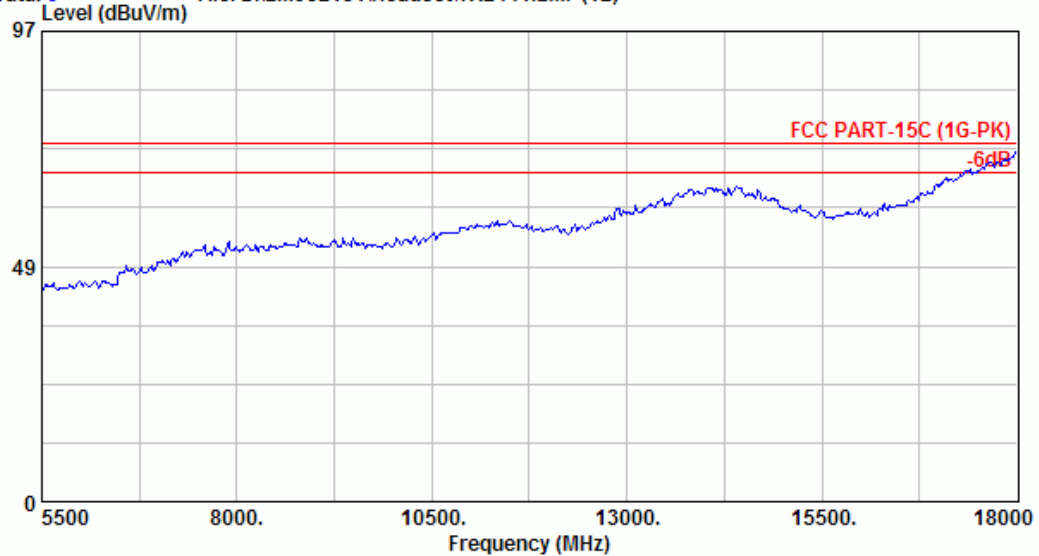
AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 5 File: D:\EM982151\Headset\TX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 5           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |

Data: 6 File: D:\EM982151\Headset\TX2441.EMI (12)

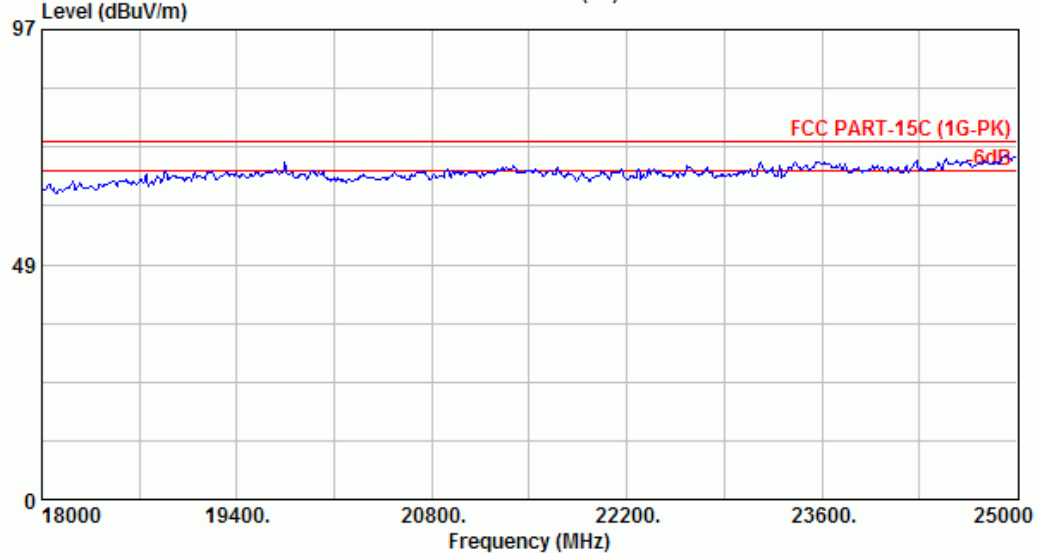


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 6           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |



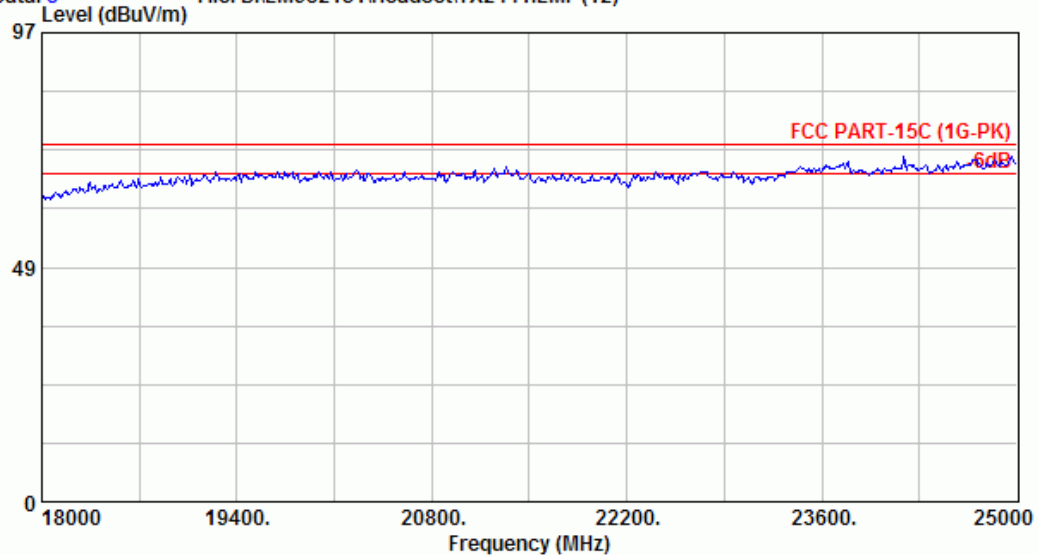
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 7 File: D:\EM982151\Headset\TX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 7           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |

Data: 8 File: D:\EM982151\Headset\TX2441.EMI (12)

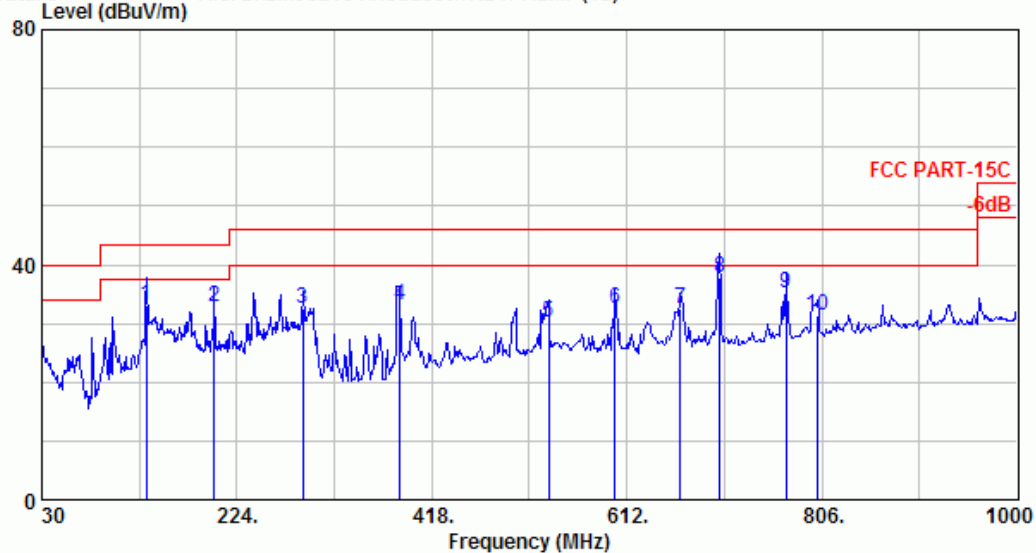


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 8           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2441                      |           |               |



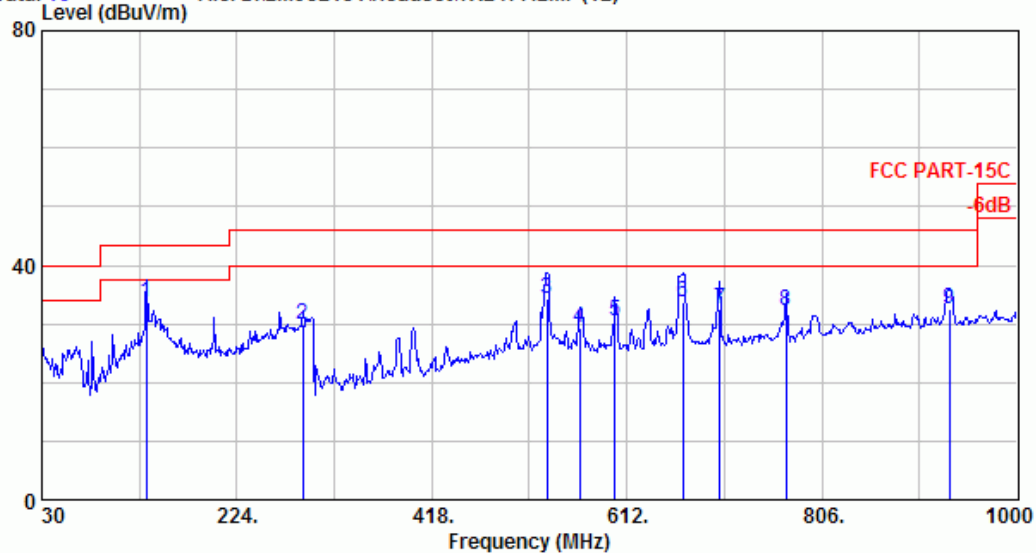
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 9 File: D:\EM982151\Headset\TX2477.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 9           |
| Dis. / Ant.  | : 3m VBA6106A/UHALP9108A      | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C                |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |

Data: 10 File: D:\EM982151\Headset\TX2477.EMI (12)

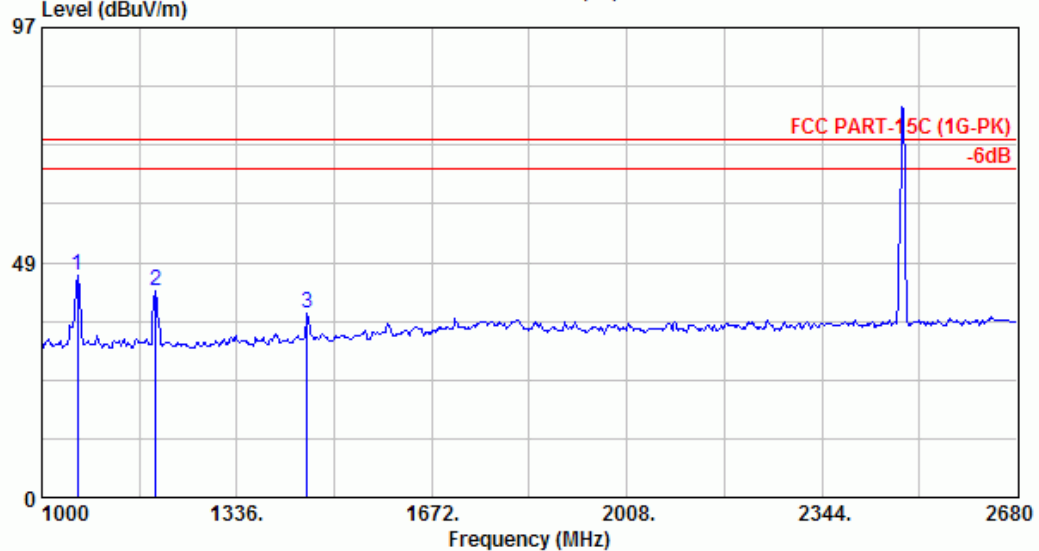


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 10          |
| Dis. / Ant.  | : 3m VBA6106A/UHALP9108A      | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C                |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |



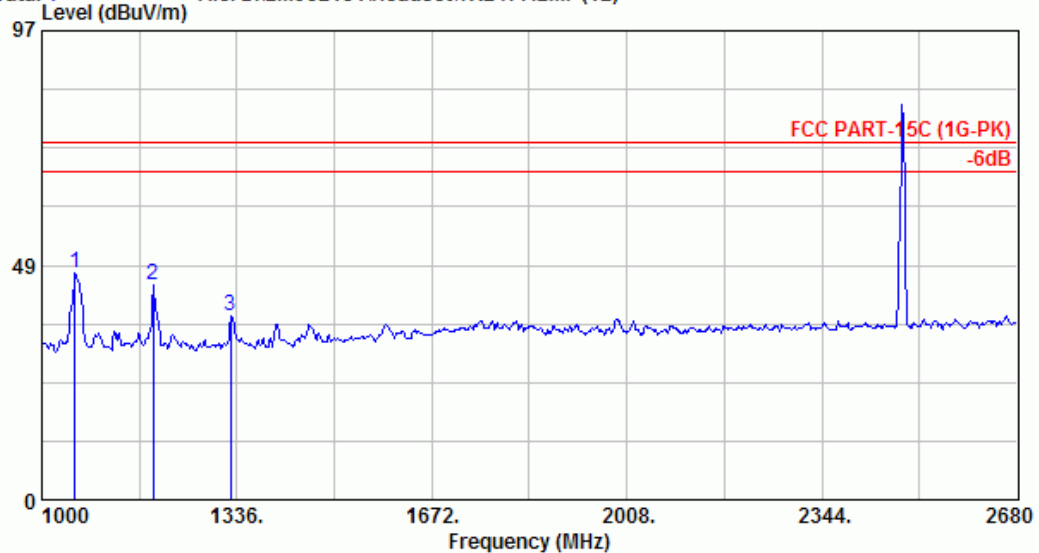
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 2 File: D:\EM982151\Headset\TX2477.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 2           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |

Data: 1 File: D:\EM982151\Headset\TX2477.EMI (12)

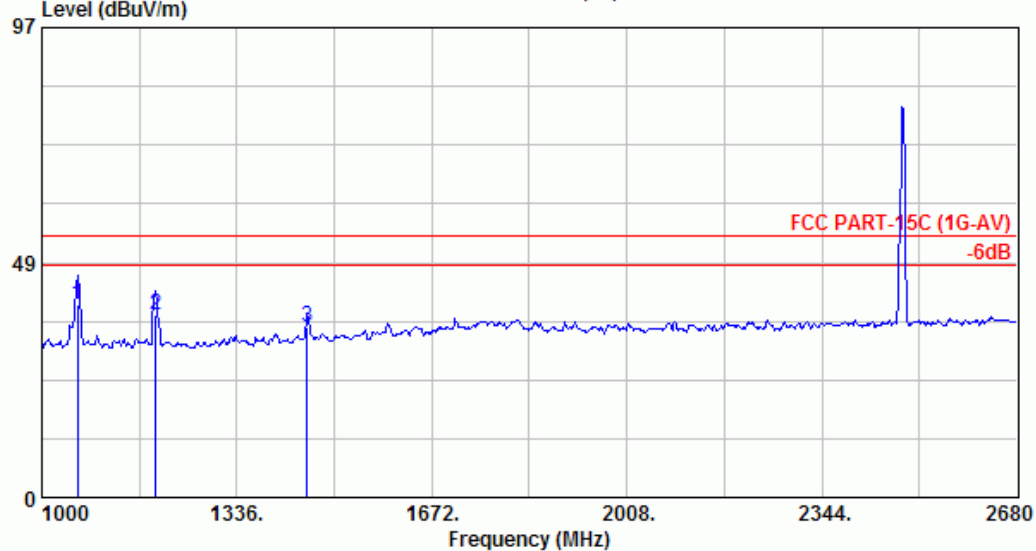


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 1           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |



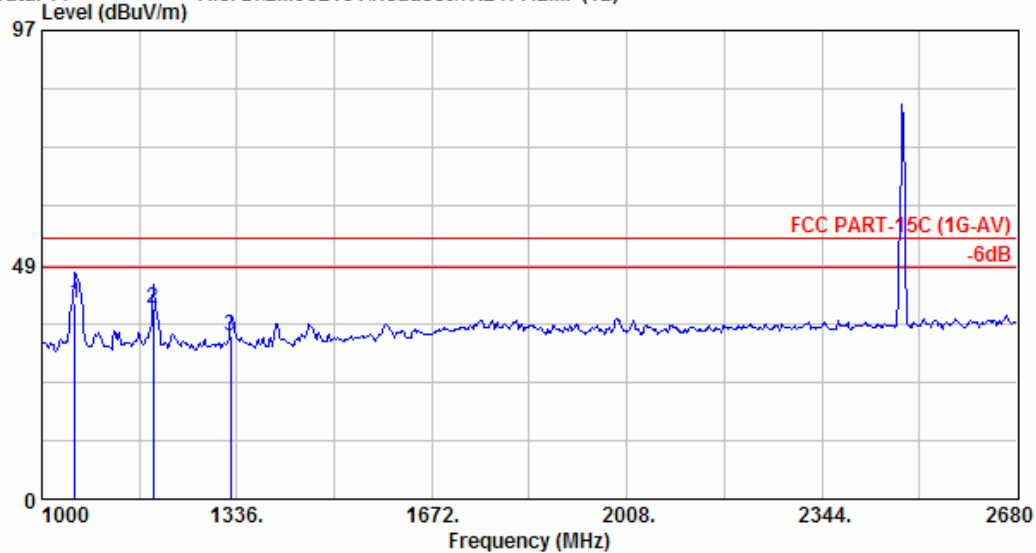
AUDIX TECHNOLOGY Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 12 File: D:\EM982151\Headset\TX2477.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 12          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |

Data: 11 File: D:\EM982151\Headset\TX2477.EMI (12)

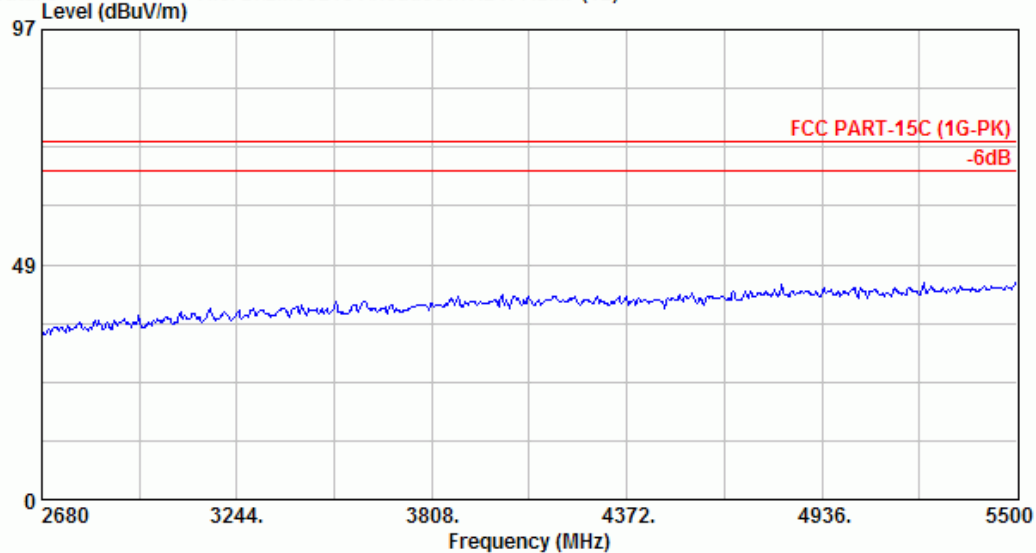


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 11          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |



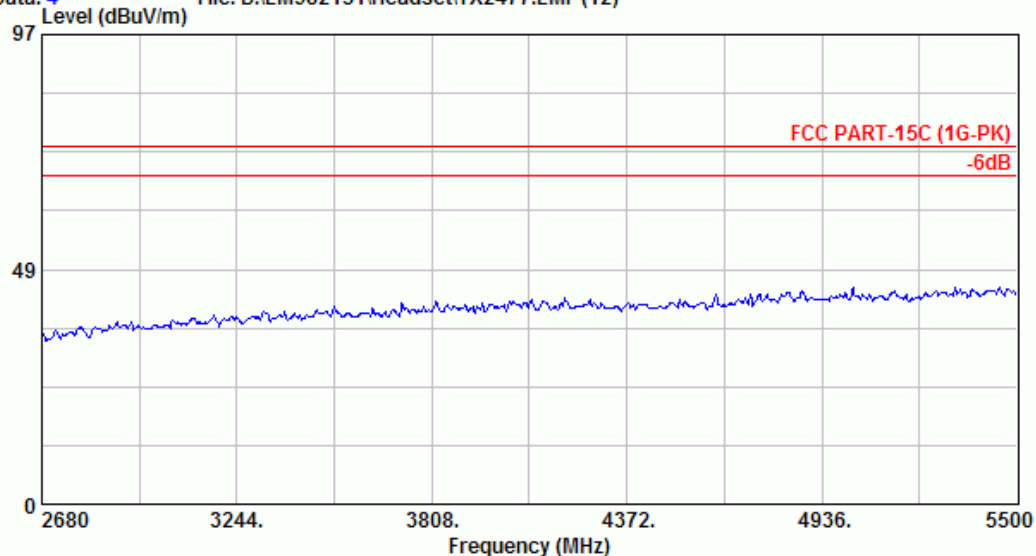
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 3 File: D:\EM982151\Headset\TX2477.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 3           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |

Data: 4 File: D:\EM982151\Headset\TX2477.EMI (12)

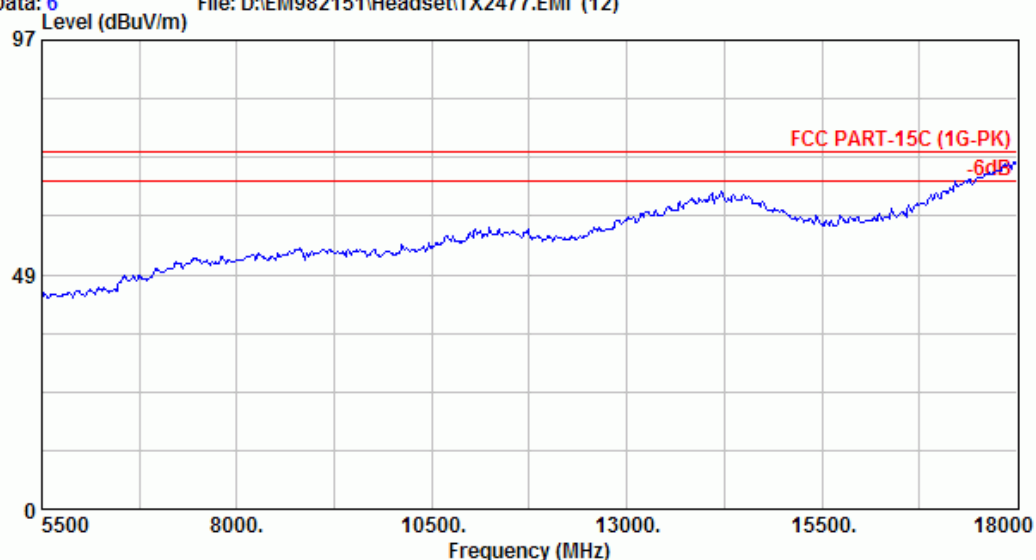


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 4           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |



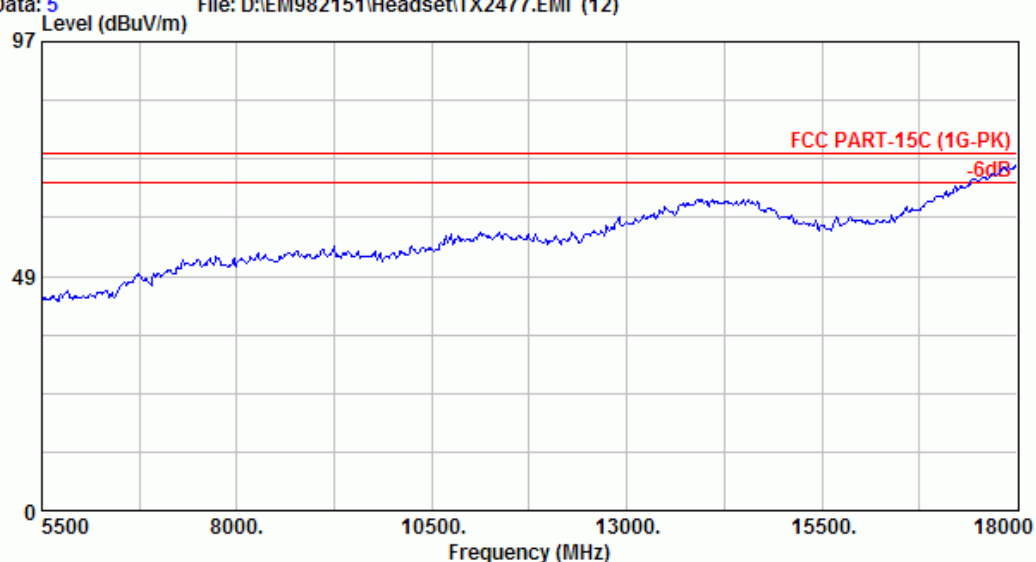
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 6 File: D:\EM982151\Headset\TX2477.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 6           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |

Data: 5 File: D:\EM982151\Headset\TX2477.EMI (12)

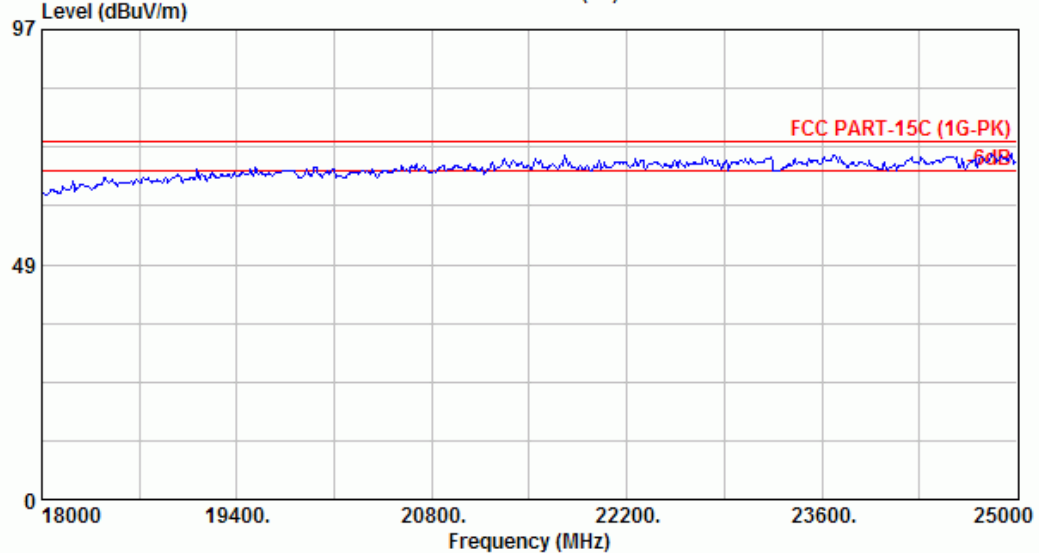


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 5           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |



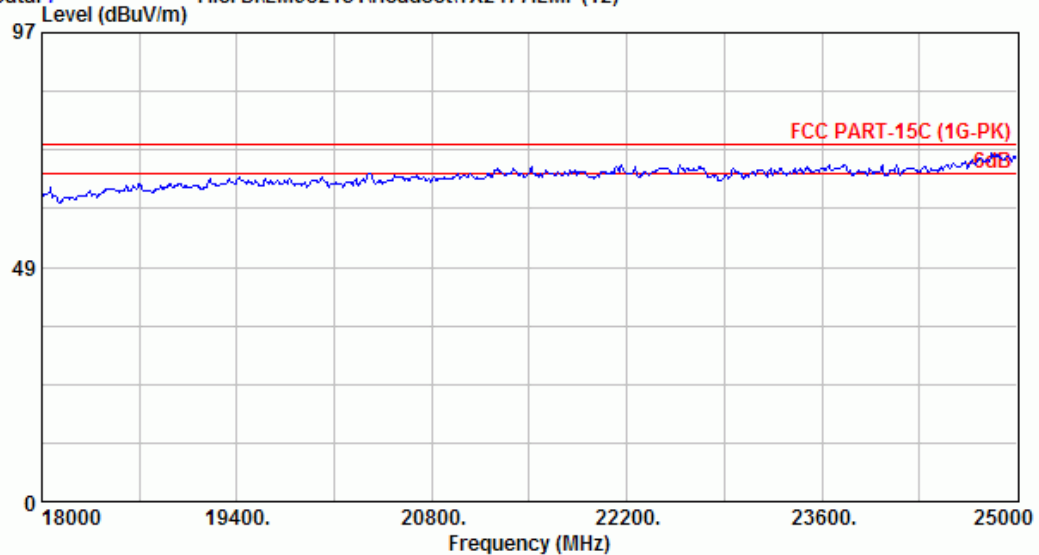
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 8 File: D:\EM982151\Headset\TX2477.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 8           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |

Data: 7 File: D:\EM982151\Headset\TX2477.EMI (12)

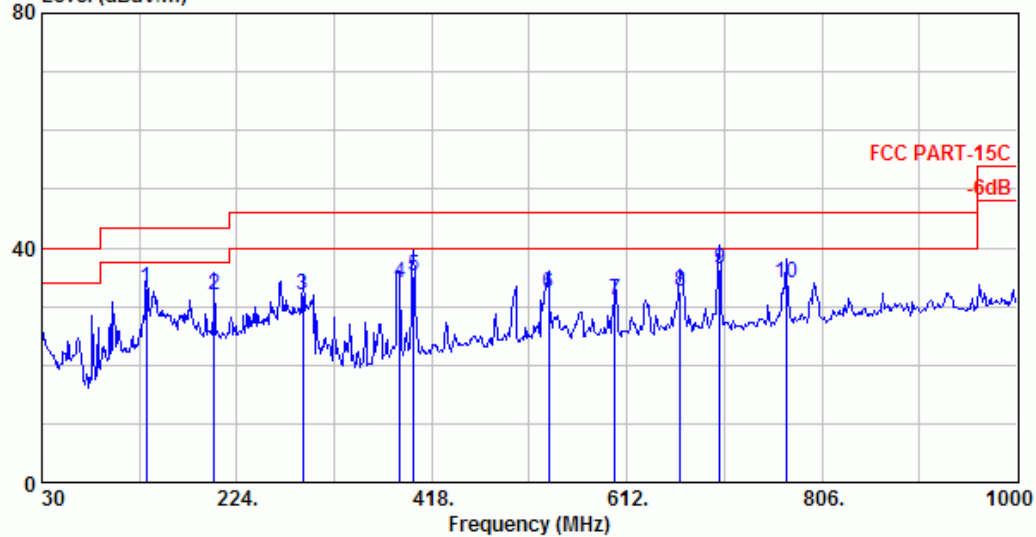


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 7           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : TX2477                      |           |               |



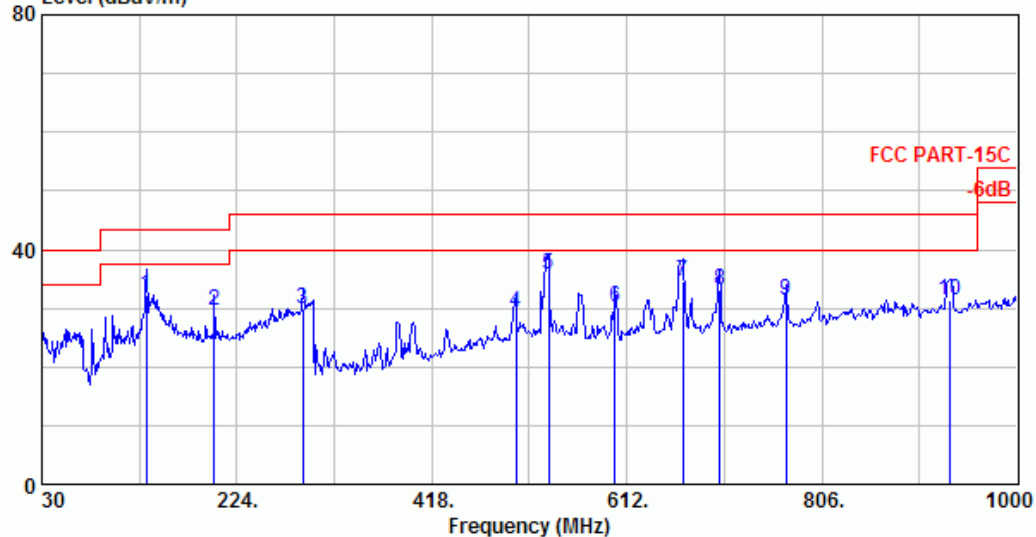
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
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Data: 10 File: D:\EM982151\Headset\RX2441.EMI (12)  
Level (dBuV/m)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 10          |
| Dis. / Ant.  | : 3m VBA6106A/UHALP9108A      | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C                |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |

Data: 9 File: D:\EM982151\Headset\RX2441.EMI (12)  
Level (dBuV/m)

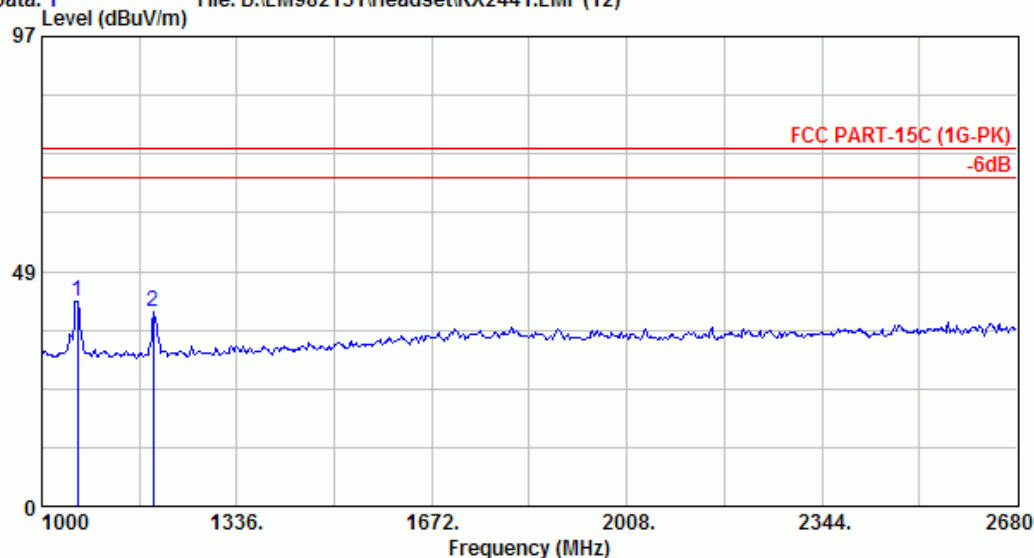


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 9           |
| Dis. / Ant.  | : 3m VBA6106A/UHALP9108A      | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C                |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |



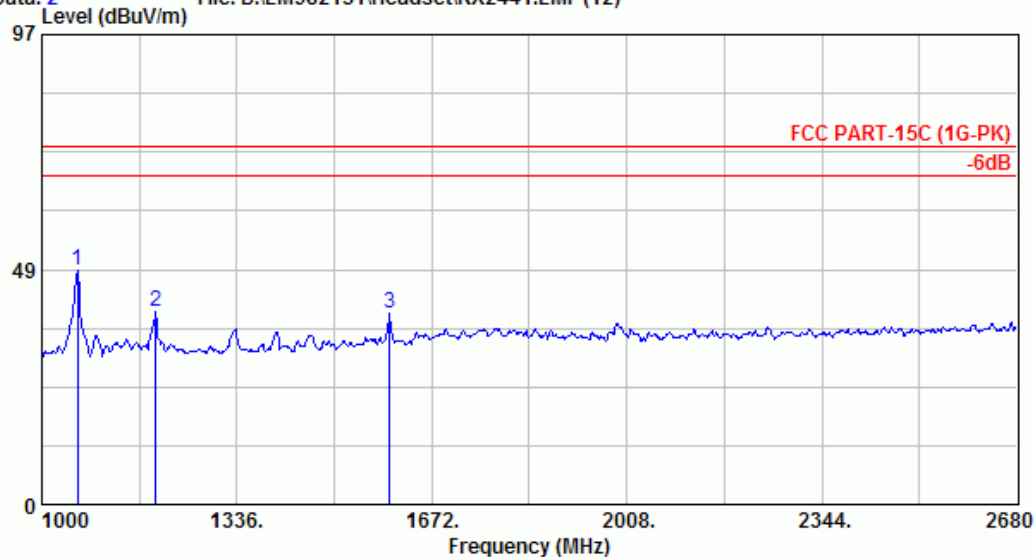
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
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Data: 1 File: D:\EM982151\Headset\RX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 1           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |

Data: 2 File: D:\EM982151\Headset\RX2441.EMI (12)

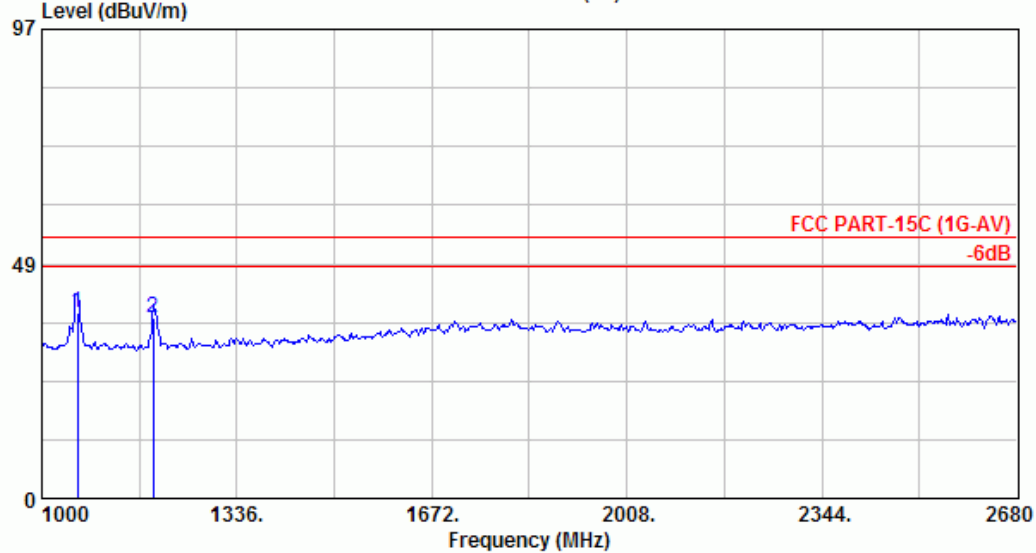


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 2           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |



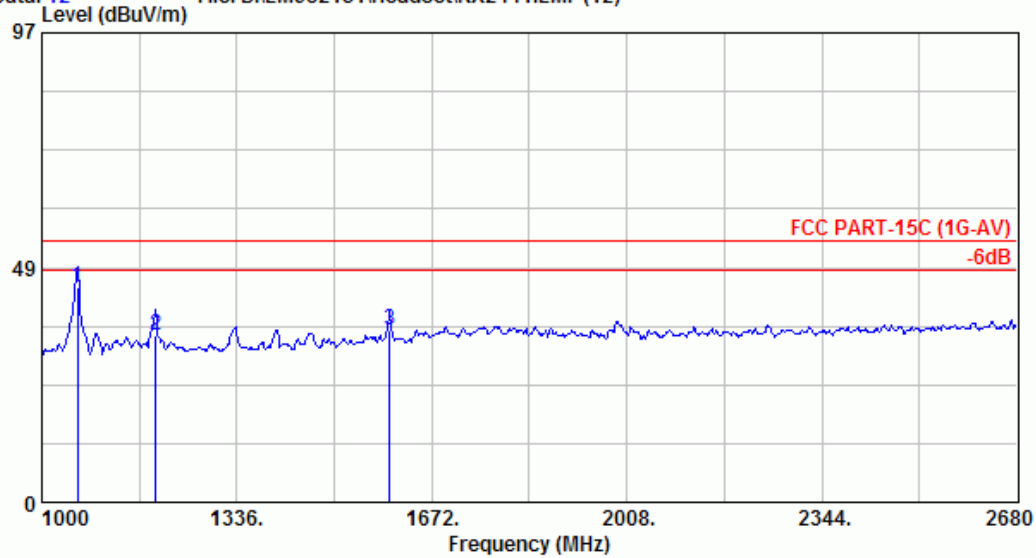
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 11 File: D:\EM982151\Headset\RX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 11          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |

Data: 12 File: D:\EM982151\Headset\RX2441.EMI (12)

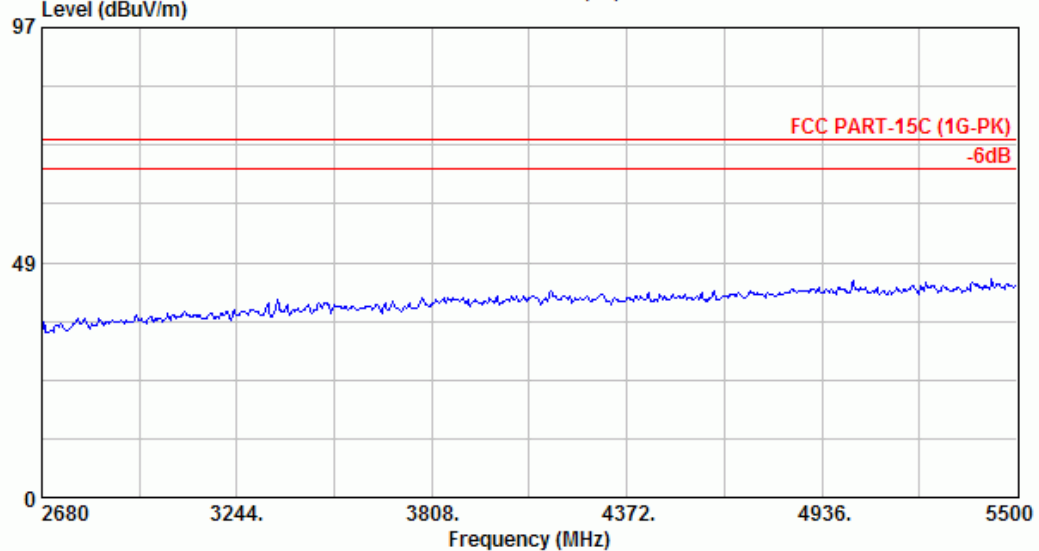


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 12          |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-AV)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |



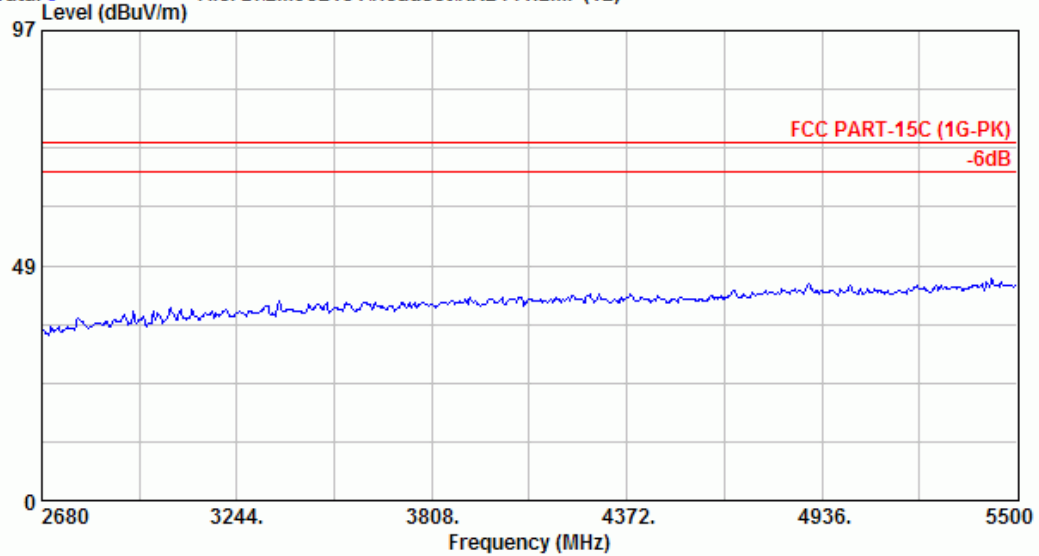
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 4 File: D:\EM982151\Headset\RX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 4           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |

Data: 3 File: D:\EM982151\Headset\RX2441.EMI (12)

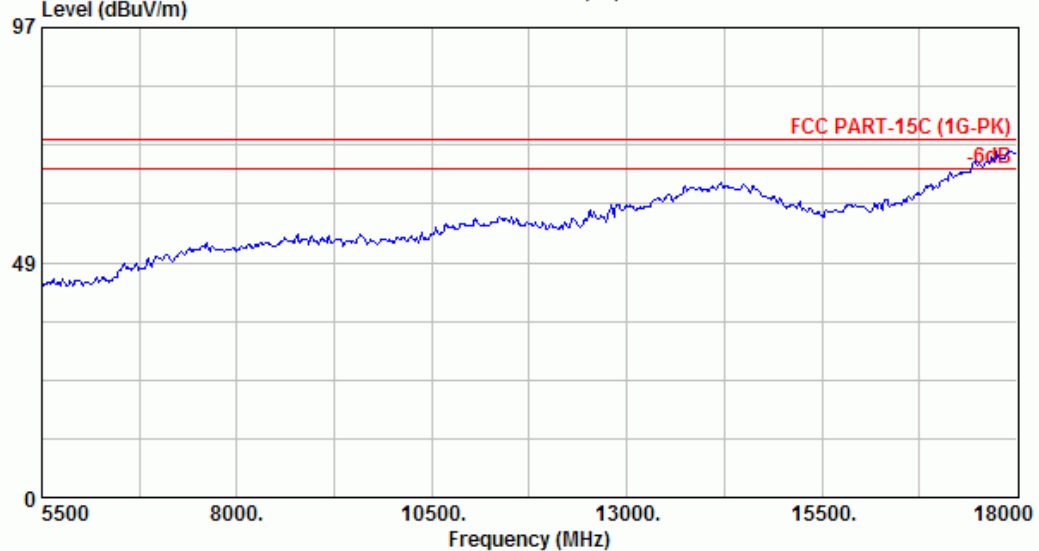


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 3           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |



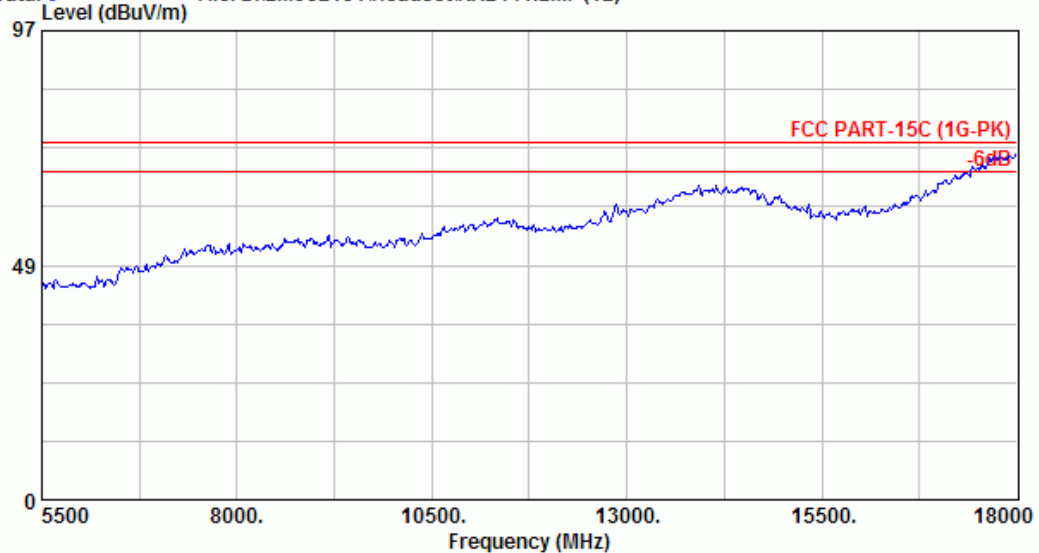
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No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 5 File: D:\EM982151\Headset\RX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 5           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |

Data: 6 File: D:\EM982151\Headset\RX2441.EMI (12)

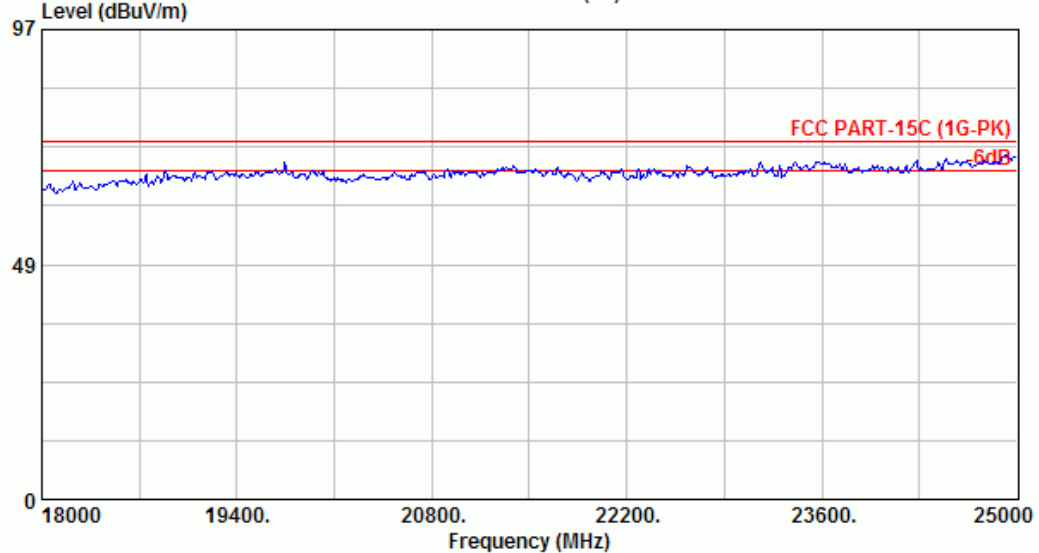


|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 6           |
| Dis. / Ant.  | : 3m 3115(3775)               | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |



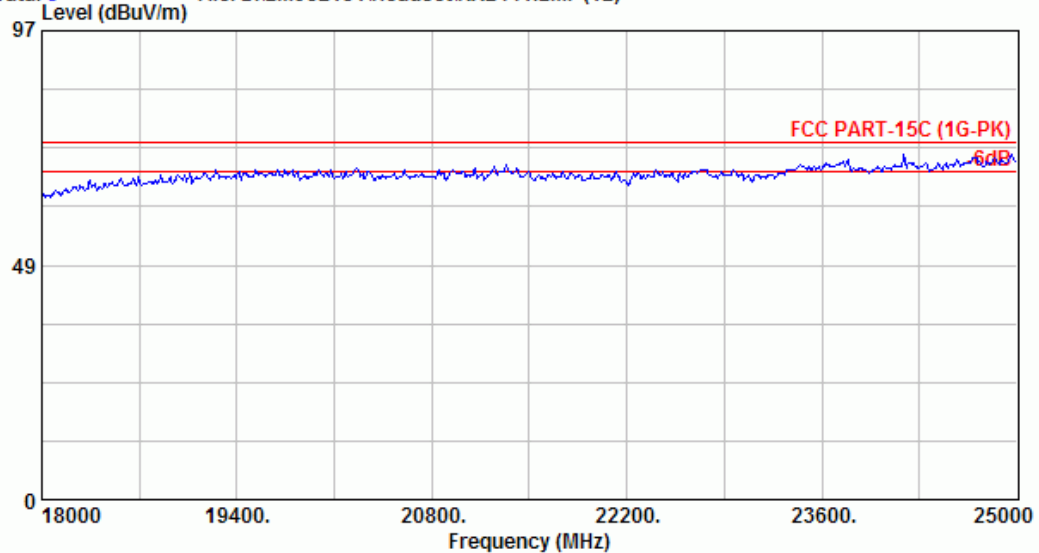
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County, Taiwan R.O.C. Post Code:24443  
Tel:+886-2-26092133 Fax:+886-2-26099303  
Email:ttmc@ttmc.com.tw

Data: 7 File: D:\EM982151\Headset\RX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 7           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : HORIZONTAL  |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |

Data: 8 File: D:\EM982151\Headset\RX2441.EMI (12)



|              |                               |           |               |
|--------------|-------------------------------|-----------|---------------|
| Site no.     | : @AC Chamber                 | Data no.  | : 8           |
| Dis. / Ant.  | : 3m 3116                     | Ant. pol. | : VERTICAL    |
| Limit        | : FCC PART-15C (1G-PK)        |           |               |
| Env. / Ins.  | : 8564EC 26°C/51%             | Engineer  | : Jarwei Wang |
| EUT          | : Wireless Headset            |           |               |
| Power Rating | : Headset DC 3.7V M/N:GH0100B |           |               |
| Test Mode    | : RX2441                      |           |               |