# ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT T

*OF*

**Body feeling headphone**

**MODEL No.: KOR-FX**

**Trademark: N/A**

**FCC ID: 2ACWT-KOR-FX**

**REPORT NO: ES140805048E**

**ISSUE DATE: August 26, 2014**

*Prepared for*

**Shenzhen WEKUL Electronic Limited Company**

**Room 1201, West Tower, Nanshan Digital Culture Industry Base, Shenzhen, China**

*Prepared by*

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# VERIFICATION OF COMPLIANCE

| | |
|---|---|
| Applicant: | Shenzhen WEKUL Electronic Limited Company<br>Room 1201, West Tower, Nanshan Digital Culture Industry Base,<br>Shenzhen, China |
| Manufacturer: | Shenzhen WEKUL Electronic Limited Company<br>Room 1201, West Tower, Nanshan Digital Culture Industry Base,<br>Shenzhen, China |
| Product Description: | Body feeling headphone |
| Model Number: | KOR-FX |
| Date of Test: | August 5, 2014 to August 26, 2014 |

## We hereby certify that:

The above equipment was tested by SHENZHEN EMTEK CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2009) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.249.

The test results of this report relate only to the tested sample identified in this report.

Date of Test : August 5, 2014 to August 26, 2014

Prepared by : Joe Xia

Joe Xia/Editor

Reviewer : Jack. Li

Jack Li /Supervisor

Approve & Authorized Signer :

Lisa Wang/Manager

# Table of Contents

# 1. GENERAL INFORMATION

## 1.1. Product Description

Shenzhen WEKUL Electronic Limited Company
Model: Body feeling headphone (referred to as the EUT in this report) KOR-FX, It is designed by way of utilizing the GFSK modulation achieves the system operating.

A major technical descriptions of EUT is described as following:

A). Operation Frequency: 2402MHz~2480MHz
B). Modulation: FSK/GFSK
C). Number of Channels: 158
D). Channel space: 500KHz
E). Antenna Type: PCB antenna
F). Antenna Gain: -1dBi
G).Power Supply: 6.0V DC(Supplied by 4*1.5V AAA Battery) or DC 5V from USB Port

## 1.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2ACWT-KOR-FX filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.

## 1.3. Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2009). Radiated testing was performed at an antenna to EUT distance 3 meters.

## 1.4. Special Accessories

Not available for this EUT intended for grant.

## 1.5. Equipment Modifications

Not available for this EUT intended for grant.

### 1.6. Measurement Uncertainty

| Measurement Type | Range | Confidence Level (%) | Calculated Uncertainty |
|---|---|---|---|
| AC Conducted Spurious Emissions | 0.15 MHz to 30 MHz | 95% | ±3.00dB |
| Fundamental Fieldstrength | Not Applicable | 95% | ±2.94dB |
| Transmitter 20 dB Bandwidth | Not Applicable | 95% | ±0.92PPm |
| Radiated Spurious Emissions | 30 MHz to 40 GHz | 95% | ±3.00dB |

### 1.7. Test Facility

Site Description

EMC Lab. : Accredited by CNAS, 2010.10.29
The certificate is valid until 2013.10.28
The Laboratory has been assessed and proved to be in compliance with CNAS/CL01:2006(identical to ISO/IEC17025: 2005)
The Certificate Registration Number is L2291

Accredited by TUV Rheinland Shenzhen 2010.5.25
The Laboratory has been assessed according to the requirements ISO/IEC 17025

Accredited by FCC, October 28, 2010
The Certificate Registration Number is 406365.

Accredited by Industry Canada, March 5, 2010
The Certificate Registration Number is 46405-4480.

Name of Firm : SHENZHEN EMTEK CO., LTD

Site Location : Bldg 69, Majialong Industry Zone,
Nanshan District, Shenzhen, Guangdong, China

# 2. SYSTEM TEST CONFIGURATION

## 2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

## 2.2. EUT Exercise

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

## 2.3. Test Procedure

### 2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4-2009 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

### 2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. Emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4-2009.

## 2.4. Description of test modes

The EUT (Body feeling headphone) has been tested under normal operating condition.
Pre-scanned tests, X, Y, Z in the three orthogonal panels, were conducted to determine the final configuration from all possible combinations. Let EUT transmit with highest power, and the worst result was reported with modulation GFSK. The 3 channels of lower, medium and higher were chosen for test.

| Pretest Mode | Description |
|---|---|
| Mode 1 | Low – 2402MHz |
| Mode 2 | Middle – 2441MHz |
| Mode 3 | High -2480MHz |

| For Conducted Test | |
|---|---|
| Final Test Mode | Description |
| ON | test under normal operating condition |

| For Radiated Test | |
|---|---|
| Mode 1 | Low – 2402MHz |
| Mode 2 | Middle – 2441MHz |
| Mode 3 | High -2480MHz |

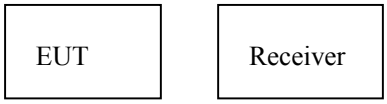
# 3. SUMMARY OF TEST RESULTS

| FCC Part15, Subpart C (15.249)&Canada RSS-Gen:2010 | | |
|---|---|---|
| **Standard Section** | **Test Item** | **Result** |
| **FCC** | | |
| 15.207 | Conducted Emission | Pass |
| 15.209 | Radiated Emission | Pass |
| 15.249 | Radiated Spurious Emission | Pass |
| 15.249 | Band edge test | Pass |
| 15.249 | 20dB Bandwidth | Pass |

Note: (1)"N/A" denotes test is not applicable in this test report.

## 3.1. CONFIGURATION OF TESTED SYSTEM

### Fig. 2-1 Configuration of Tested System




## 3.2. DESCRIPTION OF SUPPORT UNITS

| Equipment | Mfr/Brand | Model/Type No. | FCC ID / IC | Series No. | Note |
|---|---|---|---|---|---|
| Body feeling headphone | N/A | KOR-FX | 2ACWT-KOR-FX | N/A | EUT |

# 4. CONDUCTED EMISSIONS TEST

## 4.1. Measurement Procedure:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured was complete.

## 4.2. Test SET-UP (Block Diagram of Configuration)

## 4.3. Measurement Equipment Used:

| Conducted Emission Test Site # 1 | | | | | |
|---|---|---|---|---|---|
| **EQUIPMENT TYPE** | **MFR** | **MODEL NUMBER** | **SERIAL NUMBER** | **LAST CAL.** | **CAL DUE.** |
| Test Receiver | Rohde & Schwarz | ESCS30 | 828985/018 | 05/17/2014 | 05/16/2015 |
| L.I.S.N | Rohde & Schwarz | ESH2-Z5 | 834549/005 | 05/17/2014 | 05/16/2015 |
| L.I.S.N | Rohde & Schwarz | ENV216 | 834549/005 | 05/17/2014 | 05/16/2015 |
| 50ΩCoaxial Switch | Anritsu | MP59B | M20531 | 05/17/2014 | 05/16/2015 |

## 4.4. Conducted Emission Limit

**(7) Conducted Emission**

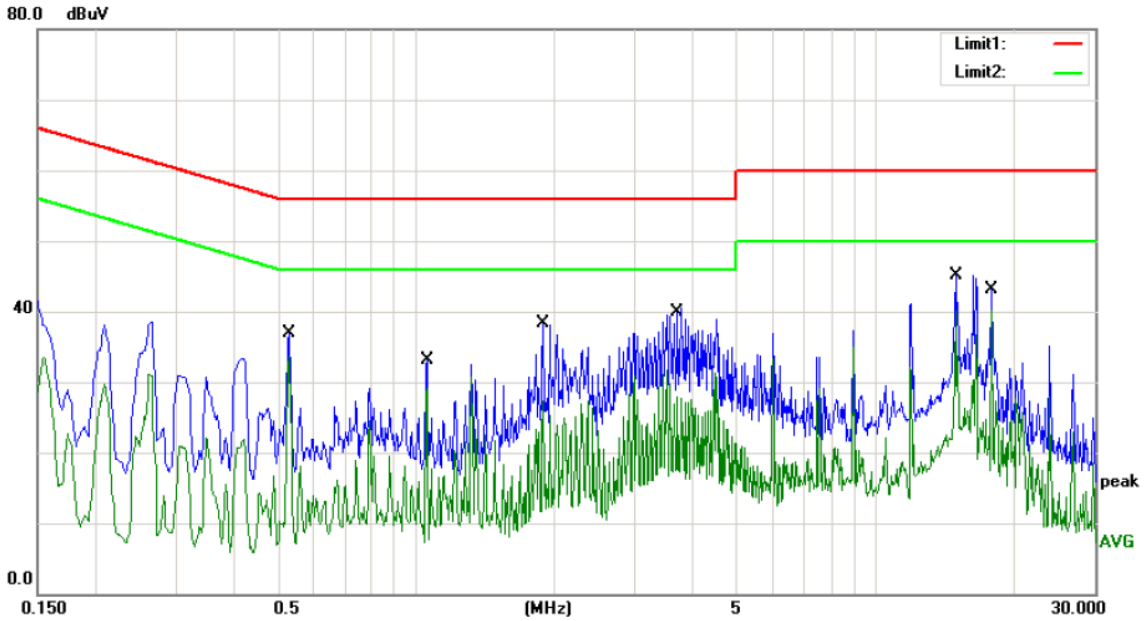
| Frequency(MHz) | Quasi-peak | Average |
|---|---|---|
| 0.15-0.5 | 66-56 | 56-46 |
| 0.5-5.0 | 56 | 46 |
| 5.0-30.0 | 60 | 50 |

**Note:**

1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

## 4.5. Measurement Result:

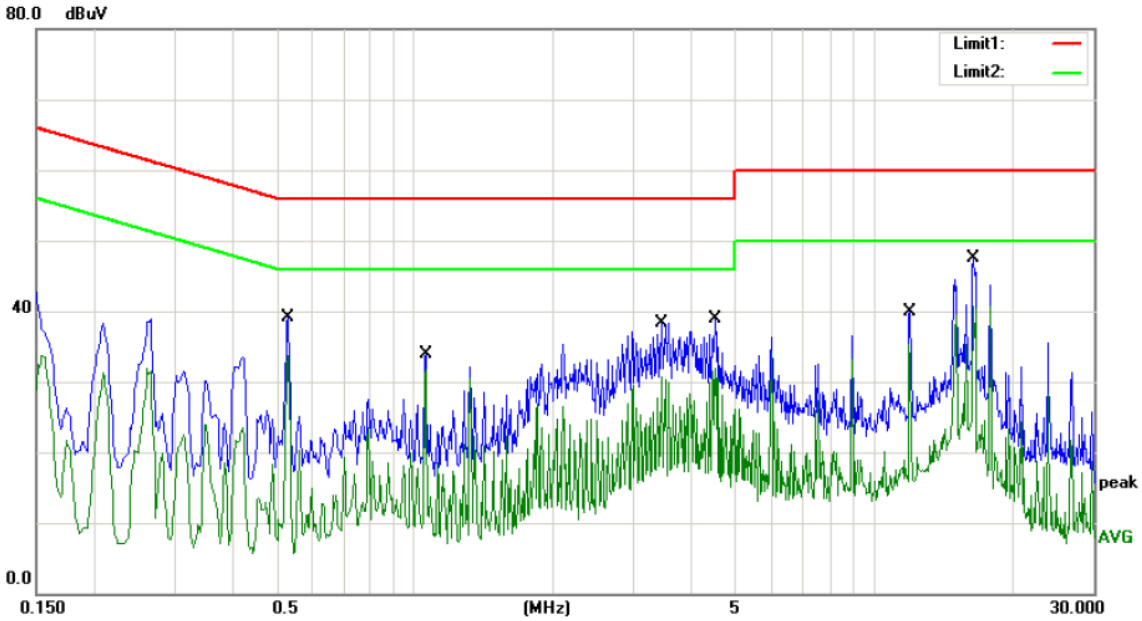
Pass




Site Conduction #1 Phase: *L1* Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode: ON
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | | 0.5300 | 36.83 | 0.00 | 36.83 | 56.00 | -19.17 | QP | |
| 2 | | 0.5300 | 33.66 | 0.00 | 33.66 | 46.00 | -12.34 | AVG | |
| 3 | | 1.0580 | 33.01 | 0.00 | 33.01 | 56.00 | -22.99 | QP | |
| 4 | | 1.0580 | 29.12 | 0.00 | 29.12 | 46.00 | -16.88 | AVG | |
| 5 | | 1.8900 | 38.21 | 0.00 | 38.21 | 56.00 | -17.79 | QP | |
| 6 | | 1.8900 | 27.26 | 0.00 | 27.26 | 46.00 | -18.74 | AVG | |
| 7 | | 3.7140 | 39.84 | 0.00 | 39.84 | 56.00 | -16.16 | QP | |
| 8 | | 3.7140 | 31.66 | 0.00 | 31.66 | 46.00 | -14.34 | AVG | |
| 9 | | 14.9140 | 45.11 | 0.00 | 45.11 | 60.00 | -14.89 | QP | |
| 10 | * | 14.9140 | 40.15 | 0.00 | 40.15 | 50.00 | -9.85 | AVG | |
| 11 | | 17.8940 | 43.16 | 0.00 | 43.16 | 60.00 | -16.84 | QP | |
| 12 | | 17.8940 | 40.04 | 0.00 | 40.04 | 50.00 | -9.96 | AVG | |

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: WAP




Site Conduction #1 Phase: *N* Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode: ON
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | | 0.5300 | 39.16 | 0.00 | 39.16 | 56.00 | -16.84 | QP | |
| 2 | | 0.5300 | 33.65 | 0.00 | 33.65 | 46.00 | -12.35 | AVG | |
| 3 | | 1.0580 | 33.94 | 0.00 | 33.94 | 56.00 | -22.06 | QP | |
| 4 | | 1.0580 | 31.71 | 0.00 | 31.71 | 46.00 | -14.29 | AVG | |
| 5 | | 3.4420 | 38.39 | 0.00 | 38.39 | 56.00 | -17.61 | QP | |
| 6 | | 3.4420 | 30.74 | 0.00 | 30.74 | 46.00 | -15.26 | AVG | |
| 7 | | 4.5220 | 38.99 | 0.00 | 38.99 | 56.00 | -17.01 | QP | |
| 8 | | 4.5220 | 31.81 | 0.00 | 31.81 | 46.00 | -14.19 | AVG | |
| 9 | | 11.9340 | 39.87 | 0.00 | 39.87 | 60.00 | -20.13 | QP | |
| 10 | | 11.9340 | 35.28 | 0.00 | 35.28 | 50.00 | -14.72 | AVG | |
| 11 | | 16.4020 | 47.45 | 0.00 | 47.45 | 60.00 | -12.55 | QP | |
| 12 | * | 16.4020 | 40.76 | 0.00 | 40.76 | 50.00 | -9.24 | AVG | |

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: WAP

# 5. RADIATED EMISSION TEST

## 5.1. Measurement Procedure

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter Semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter Semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test Antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector Mode pre-scanning the measurement frequency range. Significant peaks are then marked and then AV detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

When spectrum scanned from 30 MHz to 1GHz setting resolution bandwidth 120 kHz and video bandwidth 300kHz.

| EMI Test Receiver | Setting |
|---|---|
| Attenuation | Auto |
| RB | 120kHz |
| VB | 300kHz |
| Detector | QP |
| Trace | Max hold |

When spectrum scanned above 1GHz setting resolution bandwidth 1MHz, video bandwidth 3MHz.

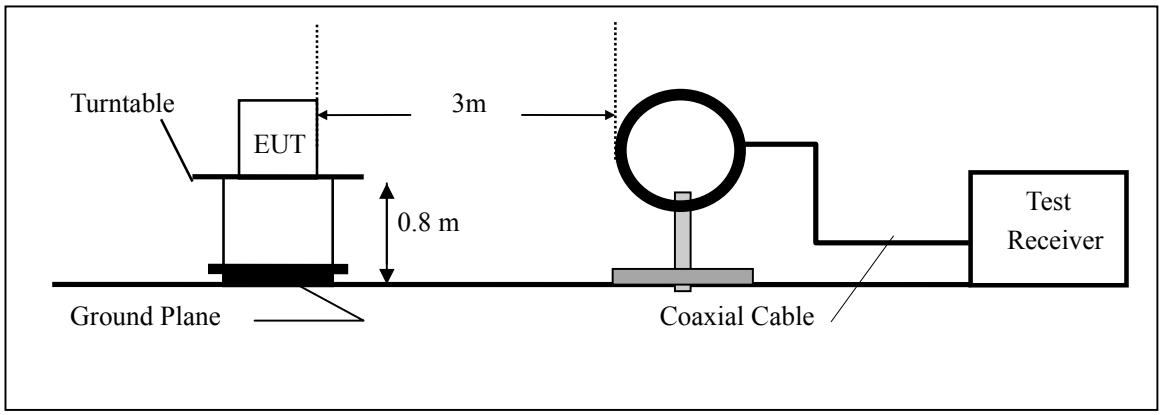
| EMI Test Receiver | Setting |
|---|---|
| Attenuation | Auto |
| RB | 1MHz |
| VB | 3MHz |
| Detector | Peak |
| Trace | Max hold |

When spectrum scanned above 1GHz setting resolution bandwidth 1MHz, video bandwidth 10Hz.

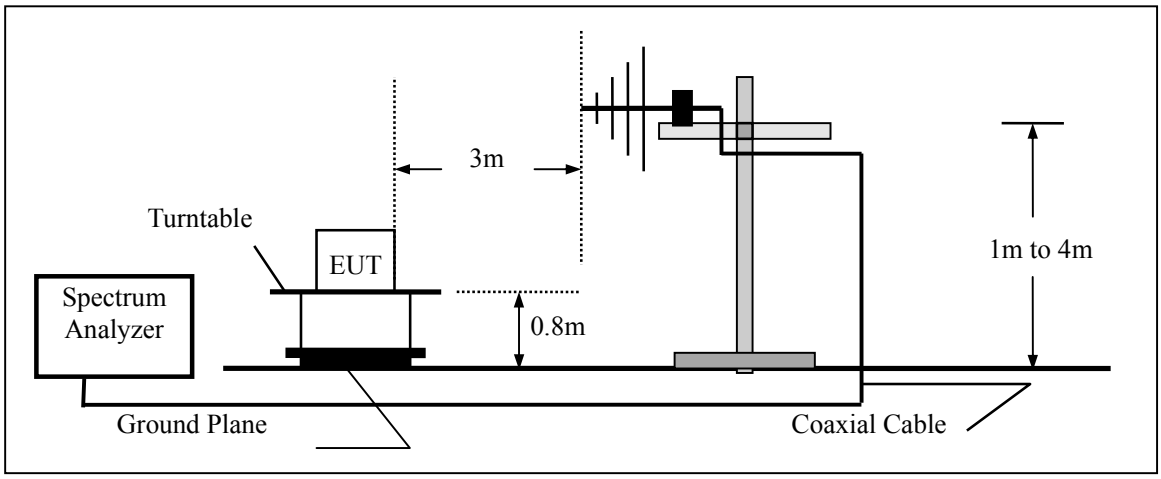
| EMI Test Receiver | Setting |
|---|---|
| Attenuation | Auto |
| RB | 1MHz |
| VB | 10Hz |
| Detector | Peak |
| Trace | Max hold |

## 5.2. Test SET-UP (Block Diagram of Configuration)

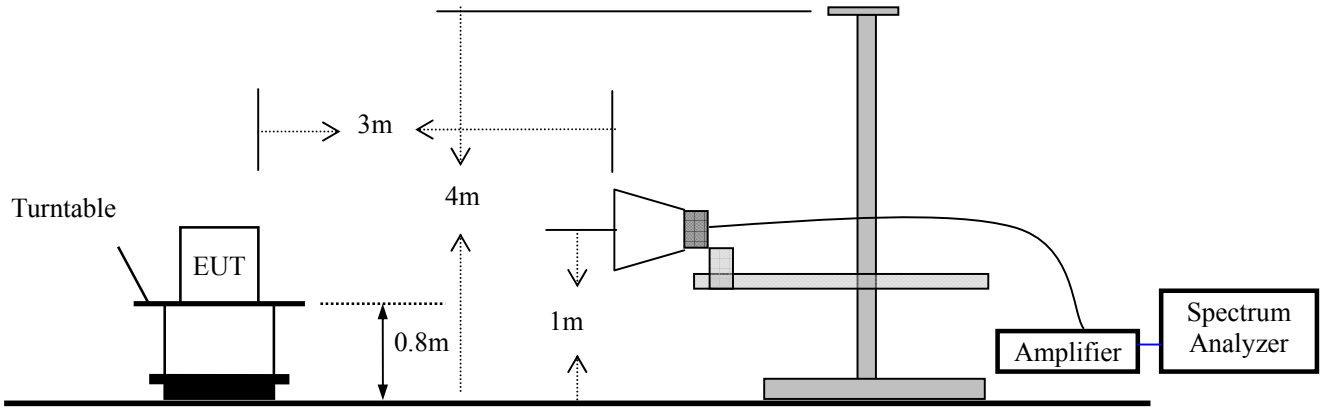
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz




(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz




(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



## 5.3 Measurement Equipment Used:

| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
|---|---|---|---|---|---|
| Spectrum Analyzer | Rohde & Schwarz | FSP7 | 839511/010 | 05/17/2014 | 05/16/2015 |
| Spectrum Analyzer | HP | E4407B | 839840481 | 05/17/2014 | 05/16/2015 |
| EMI Test Receiver | Rohde & Schwarz | ESCS30 | 828985/018 | 05/17/2014 | 05/16/2015 |
| Pre-Amplifier | HP | 8447D | 2944A07999 | 05/17/2014 | 05/16/2015 |
| Bilog Antenna | Schwarzbeck | VULB9163 | 142 | 05/17/2014 | 05/16/2015 |
| Loop Antenna | ARA | PLA-1030/B | 1029 | 05/17/2014 | 05/16/2015 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170399 | 05/17/2014 | 05/16/2015 |
| Horn Antenna | Schwarzbeck | BBHA 9120 | D143 | 05/17/2014 | 05/16/2015 |

## 5.4 Radiated Emission Limit

| Frequencies (MHz) | Field Strength (micorvolts/meter) | Measurement Distance (meters) |
|---|---|---|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| 960~1000 | 500 | 3 |

Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 1 5.209(a) limit in the table below has to be followed.

Note:

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

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

Limits of radiated emission measurement (FCC 15.209)

| FREQUENCY (MHz) | (dBuV/m) (at 3m) | |
|---|---|---|
| | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Notes:
(1) The limit for radiated test was performed according to FCC PART 15C.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m) =20log Emission level (uV/m).

Limits of radiated emission measurement (FCC 15.249)

| FCC Part15 (15.249) , Subpart C | |
|---|---|
| Limit | Frequency Range (MHz) |
| Field strength of fundamental 50000uV/m (94 dBV/m) @ 3 m | 2400-2483.5 |
| Field strength of harmonics 500uV/m (54 dBV/m) @ 3 m | Above 2483.5 |

## 5.5 Measurement Result

### Transmitter Fundamental Field Strength

| | | | |
|---|---|---|---|
| Operation Mode: | 2402MHz | Test Date : | August 20, 2014 |
| FCC Part: | 15.249(a) | Temperature : | 24℃ |
| Test Result: | PASS | Humidity : | 55 % |
| Measured Distance: | 3m | Test By: | WOLF |
| Test Method Used: | As detailed in ANSI C63.4 Section 8 and relevant annexes | | |

| Freq. (MHz) | Ant.Pol. H/V | Emission Level(dBuV/m) PK | AV | Limit 3m(dBuV/m) PK | AV | Over(dB) PK | AV |
|---|---|---|---|---|---|---|---|
| 2402 | V | 92.18 | 55.41 | 114 | 94 | -21.82 | -38.59 |
| 2402 | H | 91.61 | 55.26 | 114 | 94 | -22.39 | -38.74 |

| | | | |
|---|---|---|---|
| Operation Mode: | 2441MHz | Test Date : | August 20, 2014 |
| FCC Part: | 15.249(a) | Temperature : | 24℃ |
| Test Result: | PASS | Humidity : | 55 % |
| Measured Distance: | 3m | Test By: | WOLF |
| Test Method Used: | As detailed in ANSI C63.4 Section 8 and relevant annexes | | |

| Freq. (MHz) | Ant.Pol. H/V | Emission Level(dBuV/m) PK | AV | Limit 3m(dBuV/m) PK | AV | Over(dB) PK | AV |
|---|---|---|---|---|---|---|---|
| 2441 | V | 91.77 | 55.72 | 114 | 94 | -22.23 | -38.28 |
| 2441 | H | 93.99 | 57.04 | 114 | 94 | -20.01 | -36.96 |

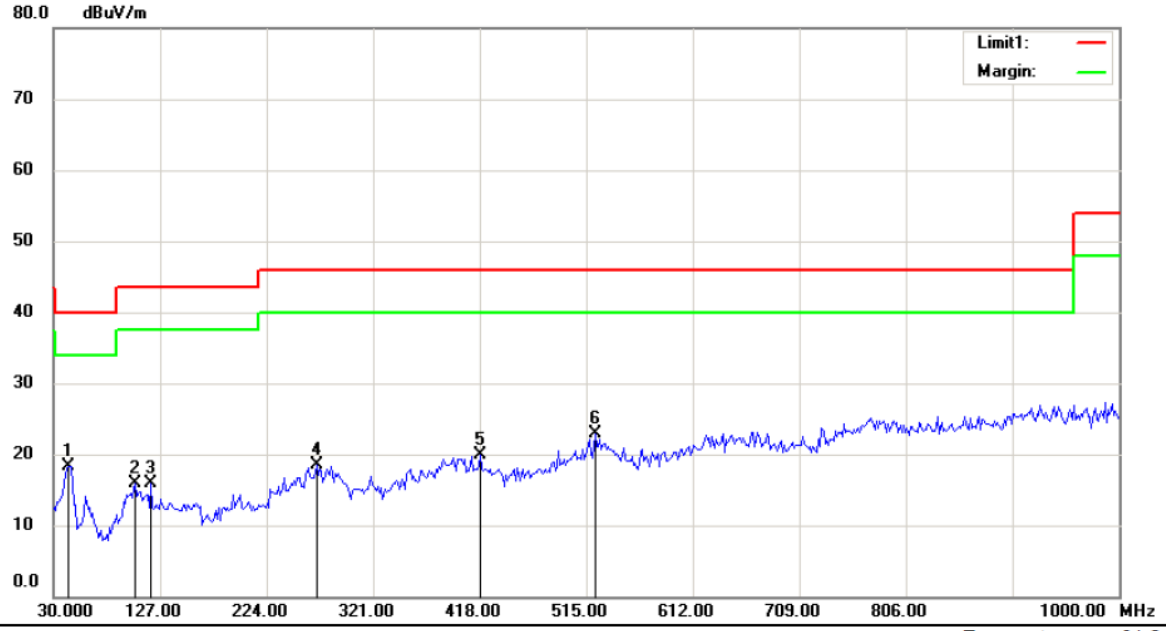
| | | | |
|---|---|---|---|
| Operation Mode: | 2480MHz | Test Date : | August 20, 2014 |
| FCC Part: | 15.249(a) | Temperature : | 24℃ |
| Test Result: | PASS | Humidity : | 55 % |
| Measured Distance: | 3m | Test By: | WOLF |
| Test Method Used: | As detailed in ANSI C63.4 Section 8 and relevant annexes | | |

| Freq. (MHz) | Ant.Pol. H/V | Emission Level(dBuV/m) PK | AV | Limit 3m(dBuV/m) PK | AV | Over(dB) PK | AV |
|---|---|---|---|---|---|---|---|
| 2480 | V | 91.65 | 54.89 | 114 | 94 | -22.35 | -39.11 |
| 2480 | H | 94.25 | 57.36 | 114 | 94 | -19.75 | -36.64 |

| | | | |
|---|---|---|---|
| Operation Mode: | TX | Test Date : | August 20, 2014 |
| Frequency Range: | 9KHz~30MHz | Temperature : | 24℃ |
| Test Result: | PASS | Humidity : | 55 % |
| Measured Distance: | 3m | Test By: | WOLF |

| Freq. (MHz) | Ant.Pol. H/V | Emission Level (dBuV/m) | Limit 3m (dBuV/m) | Over (dB) |
|---|---|---|---|---|
| -- | -- | -- | -- | -- |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.




Site 3m Chamber #1
Limit: ( RE)FCC PART 15 CLASS B
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2402)
Note:

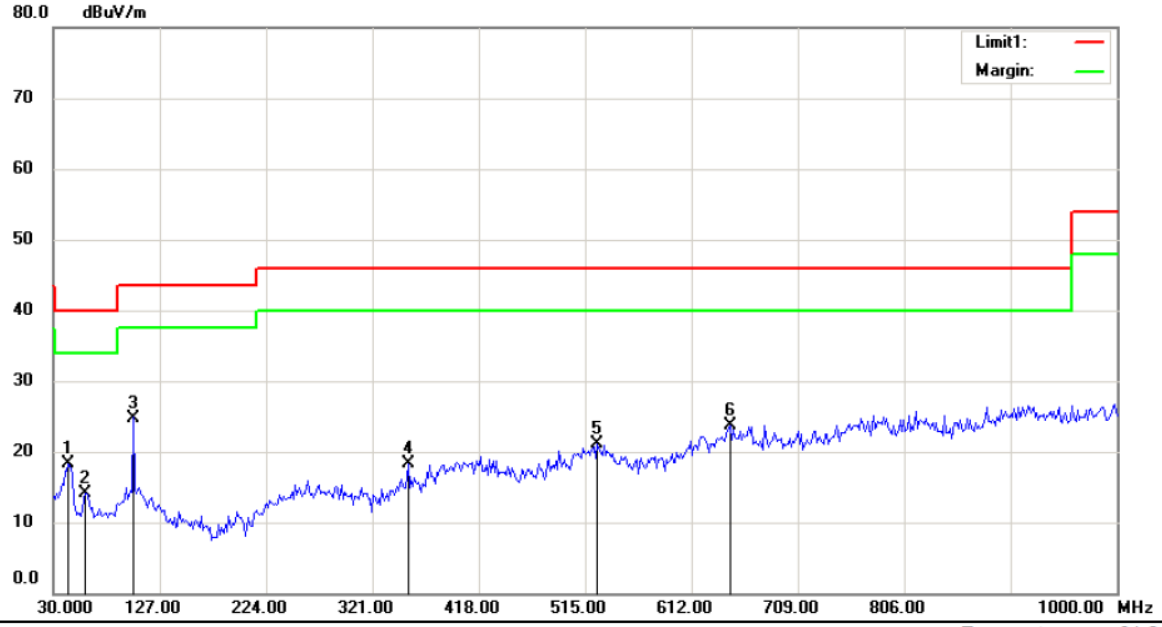
Polarization: *Horizontal*
Power:

Temperature: 24 C
Humidity: 53 %

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | * | 43.9902 | 0.20 | 18.17 | 18.37 | 40.00 | -21.63 | QP | | | |
| 2 | | 104.6153 | 2.96 | 12.91 | 15.87 | 43.50 | -27.63 | QP | | | |
| 3 | | 118.6056 | 5.35 | 10.62 | 15.97 | 43.50 | -27.53 | QP | | | |
| 4 | | 269.3910 | 3.65 | 14.88 | 18.53 | 46.00 | -27.47 | QP | | | |
| 5 | | 418.6216 | 1.32 | 18.68 | 20.00 | 46.00 | -26.00 | QP | | | |
| 6 | | 522.7723 | 1.38 | 21.55 | 22.93 | 46.00 | -23.07 | QP | | | |

*:Maximum data x:Over limit !:over margin

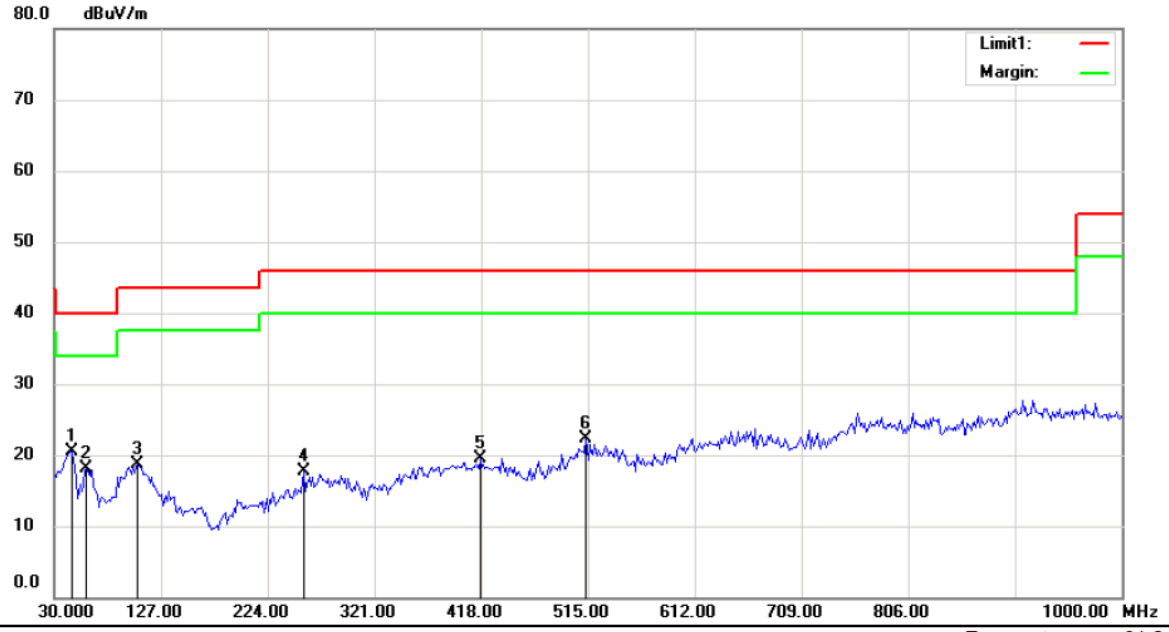
Operator: ZHL




Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24 C
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2402)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 43.9902 | 0.08 | 18.17 | 18.25 | 40.00 | -21.75 | QP | | | |
| 2 | | 59.5352 | 1.35 | 12.71 | 14.06 | 40.00 | -25.94 | QP | | | |
| 3 | * | 103.0608 | 11.93 | 12.87 | 24.80 | 43.50 | -18.70 | QP | | | |
| 4 | | 353.3333 | 1.63 | 16.65 | 18.28 | 46.00 | -27.72 | QP | | | |
| 5 | | 525.8812 | -0.63 | 21.69 | 21.06 | 46.00 | -24.94 | QP | | | |
| 6 | | 647.1312 | 0.77 | 22.95 | 23.72 | 46.00 | -22.28 | QP | | | |

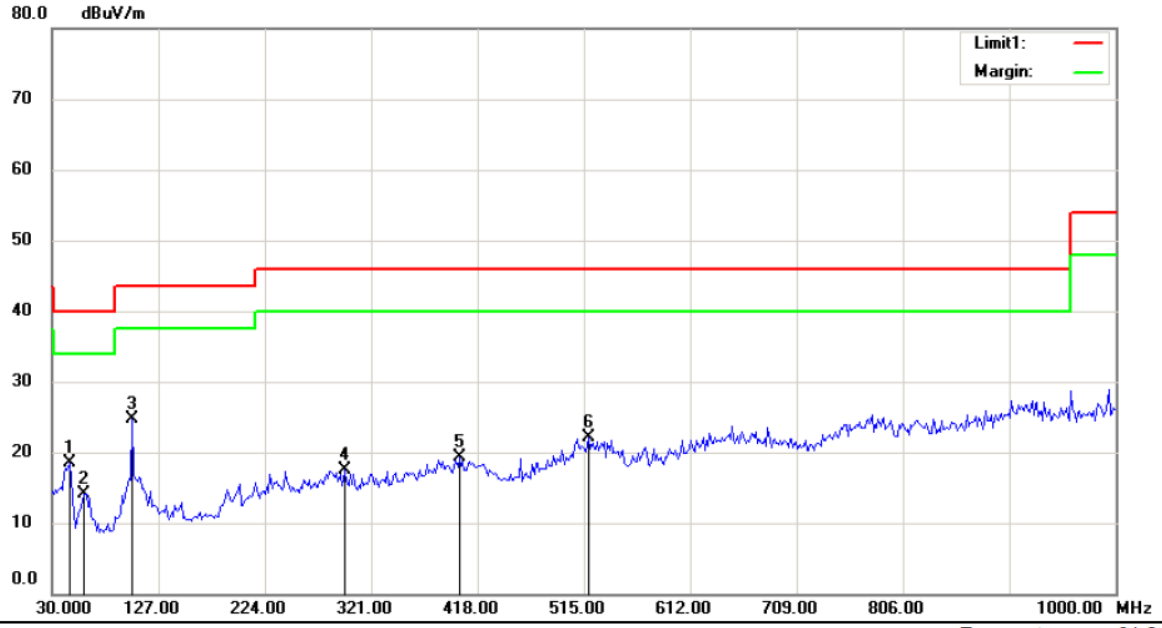
*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24 C
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2441)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | * | 45.5448 | 3.48 | 17.11 | 20.59 | 40.00 | -19.41 | QP | | | |
| 2 | | 59.5352 | 5.31 | 12.71 | 18.02 | 40.00 | -21.98 | QP | | | |
| 3 | | 106.1697 | 5.90 | 12.87 | 18.77 | 43.50 | -24.73 | QP | | | |
| 4 | | 256.9551 | 3.48 | 14.25 | 17.73 | 46.00 | -28.27 | QP | | | |
| 5 | | 417.0672 | 0.81 | 18.72 | 19.53 | 46.00 | -26.47 | QP | | | |
| 6 | | 513.4455 | 1.15 | 21.22 | 22.37 | 46.00 | -23.63 | QP | | | |

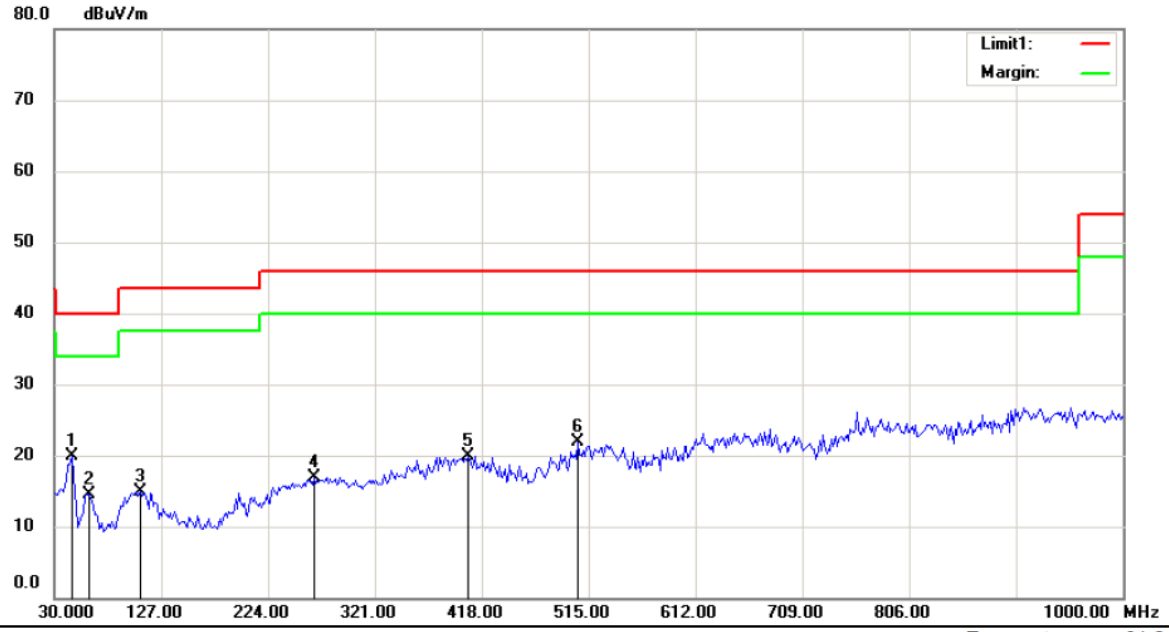
*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24 C
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2441)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 45.5448 | 1.32 | 17.11 | 18.43 | 40.00 | -21.57 | QP | | | |
| 2 | | 59.5352 | 1.47 | 12.71 | 14.18 | 40.00 | -25.82 | QP | | | |
| 3 | * | 103.0608 | 11.79 | 12.87 | 24.66 | 43.50 | -18.84 | QP | | | |
| 4 | | 297.3716 | 3.13 | 14.30 | 17.43 | 46.00 | -28.57 | QP | | | |
| 5 | | 401.5224 | 0.53 | 18.77 | 19.30 | 46.00 | -26.70 | QP | | | |
| 6 | | 519.6634 | 0.62 | 21.42 | 22.04 | 46.00 | -23.96 | QP | | | |

*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1
Limit: ( RE)FCC PART 15 CLASS B
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2480)
Note:

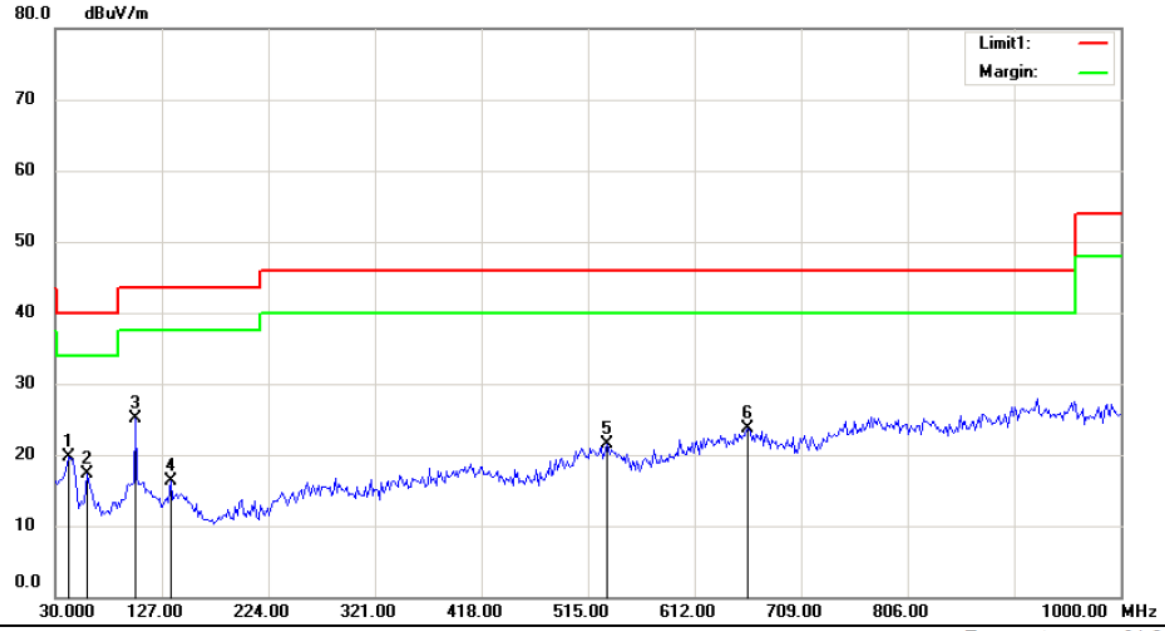
Polarization: *Horizontal*
Power:

Temperature: 24 C
Humidity: 53 %

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | * | 45.5448 | 2.73 | 17.11 | 19.84 | 40.00 | -20.16 | QP | | | |
| 2 | | 61.0897 | 2.15 | 12.43 | 14.58 | 40.00 | -25.42 | QP | | | |
| 3 | | 107.7242 | 2.07 | 12.82 | 14.89 | 43.50 | -28.61 | QP | | | |
| 4 | | 266.2820 | 2.25 | 14.68 | 16.93 | 46.00 | -29.07 | QP | | | |
| 5 | | 406.1857 | 1.14 | 18.83 | 19.97 | 46.00 | -26.03 | QP | | | |
| 6 | | 505.6730 | 1.20 | 20.67 | 21.87 | 46.00 | -24.13 | QP | | | |

*:Maximum data x:Over limit !:over margin

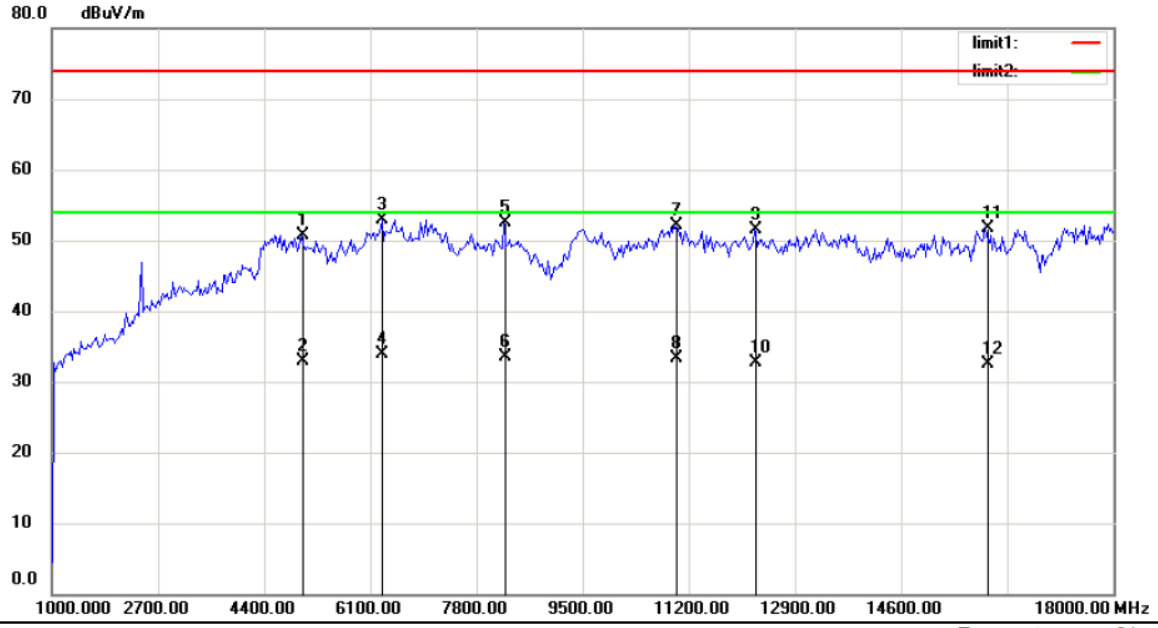
Operator: ZHL




Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24 C
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2480)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 42.4358 | 2.50 | 17.15 | 19.65 | 40.00 | -20.35 | QP | | | |
| 2 | | 59.5352 | 4.67 | 12.71 | 17.38 | 40.00 | -22.62 | QP | | | |
| 3 | * | 103.0608 | 12.26 | 12.87 | 25.13 | 43.50 | -18.37 | QP | | | |
| 4 | | 135.7050 | 6.85 | 9.52 | 16.37 | 43.50 | -27.13 | QP | | | |
| 5 | | 532.0992 | -0.11 | 21.67 | 21.56 | 46.00 | -24.44 | QP | | | |
| 6 | | 661.1216 | 0.55 | 23.20 | 23.75 | 46.00 | -22.25 | QP | | | |

*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24

Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %

EUT: Body feeling headphones

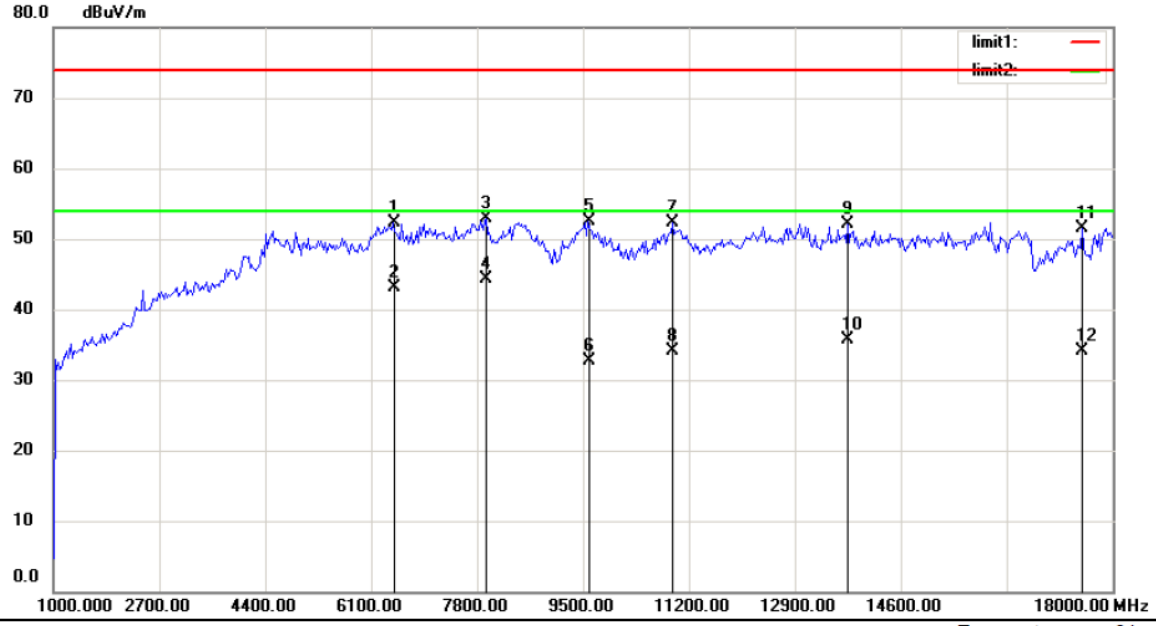
M/N: KOR-FX

Mode:TX(2402)

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 5004.808 | 48.36 | 2.35 | 50.71 | 74.00 | -23.29 | peak | | | |
| 2 | | 5004.808 | 30.50 | 2.35 | 32.85 | 54.00 | -21.15 | AVG | | | |
| 3 | | 6285.256 | 46.84 | 6.11 | 52.95 | 74.00 | -21.05 | peak | | | |
| 4 | * | 6285.256 | 27.80 | 6.11 | 33.91 | 54.00 | -20.09 | AVG | | | |
| 5 | | 8246.795 | 40.60 | 11.96 | 52.56 | 74.00 | -21.44 | peak | | | |
| 6 | | 8246.795 | 21.50 | 11.96 | 33.46 | 54.00 | -20.54 | AVG | | | |
| 7 | | 10971.15 | 33.60 | 18.51 | 52.11 | 74.00 | -21.89 | peak | | | |
| 8 | | 10971.15 | 14.70 | 18.51 | 33.21 | 54.00 | -20.79 | AVG | | | |
| 9 | | 12251.60 | 35.02 | 16.56 | 51.58 | 74.00 | -22.42 | peak | | | |
| 10 | | 12251.60 | 16.20 | 16.56 | 32.76 | 54.00 | -21.24 | AVG | | | |
| 11 | | 15956.73 | 29.51 | 22.16 | 51.67 | 74.00 | -22.33 | peak | | | |
| 12 | | 15956.73 | 10.30 | 22.16 | 32.46 | 54.00 | -21.54 | AVG | | | |

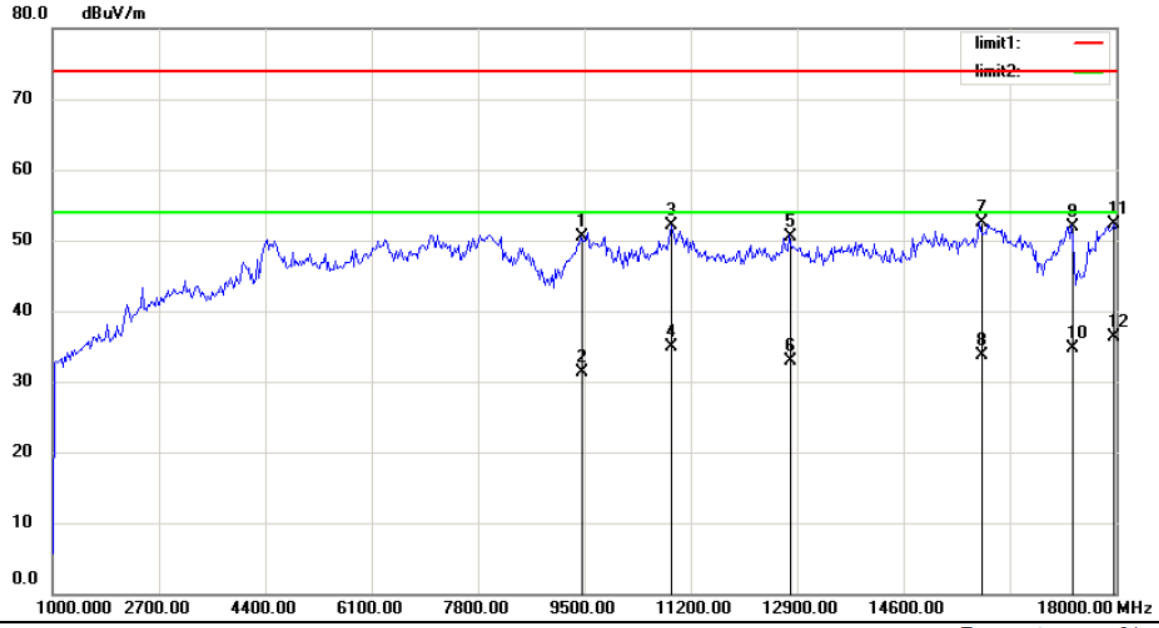
*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2402)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 6448.718 | 45.30 | 6.97 | 52.27 | 74.00 | -21.73 | peak | | | |
| 2 | | 6448.718 | 36.20 | 6.97 | 43.17 | 54.00 | -10.83 | AVG | | | |
| 3 | | 7947.115 | 42.30 | 10.52 | 52.82 | 74.00 | -21.18 | peak | | | |
| 4 | * | 7947.115 | 33.80 | 10.52 | 44.32 | 54.00 | -9.68 | AVG | | | |
| 5 | | 9581.731 | 35.91 | 16.52 | 52.43 | 74.00 | -21.57 | peak | | | |
| 6 | | 9581.731 | 16.20 | 16.52 | 32.72 | 54.00 | -21.28 | AVG | | | |
| 7 | | 10943.91 | 33.99 | 18.33 | 52.32 | 74.00 | -21.68 | peak | | | |
| 8 | | 10943.91 | 15.70 | 18.33 | 34.03 | 54.00 | -19.97 | AVG | | | |
| 9 | | 13750.00 | 32.19 | 19.87 | 52.06 | 74.00 | -21.94 | peak | | | |
| 10 | | 13750.00 | 15.80 | 19.87 | 35.67 | 54.00 | -18.33 | AVG | | | |
| 11 | | 17509.61 | 23.05 | 28.46 | 51.51 | 74.00 | -22.49 | peak | | | |
| 12 | | 17509.61 | 5.60 | 28.46 | 34.06 | 54.00 | -19.94 | AVG | | | |

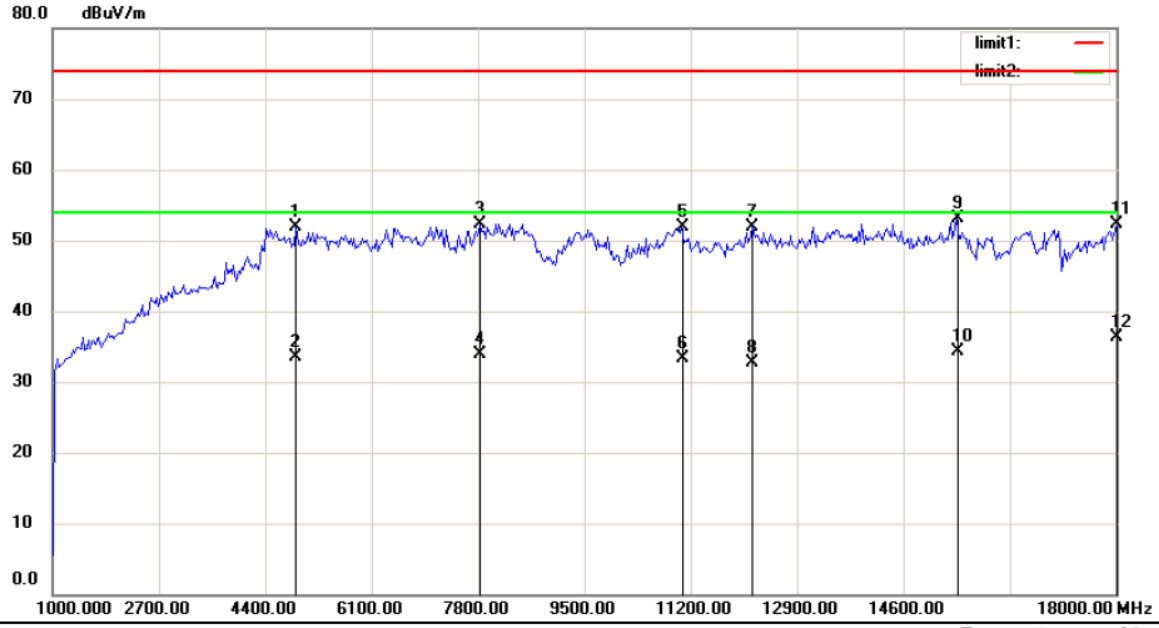
*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2441)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 9445.513 | 34.38 | 16.08 | 50.46 | 74.00 | -23.54 | peak | | | |
| 2 | | 9445.513 | 15.30 | 16.08 | 31.38 | 54.00 | -22.62 | AVG | | | |
| 3 | | 10889.42 | 34.05 | 17.97 | 52.02 | 74.00 | -21.98 | peak | | | |
| 4 | | 10889.42 | 16.90 | 17.97 | 34.87 | 54.00 | -19.13 | AVG | | | |
| 5 | | 12769.23 | 33.47 | 17.13 | 50.60 | 74.00 | -23.40 | peak | | | |
| 6 | | 12769.23 | 15.80 | 17.13 | 32.93 | 54.00 | -21.07 | AVG | | | |
| 7 | | 15820.51 | 30.66 | 21.78 | 52.44 | 74.00 | -21.56 | peak | | | |
| 8 | | 15820.51 | 11.90 | 21.78 | 33.68 | 54.00 | -20.32 | AVG | | | |
| 9 | | 17291.66 | 24.89 | 27.11 | 52.00 | 74.00 | -22.00 | peak | | | |
| 10 | | 17291.66 | 7.60 | 27.11 | 34.71 | 54.00 | -19.29 | AVG | | | |
| 11 | | 17972.75 | 24.50 | 27.82 | 52.32 | 74.00 | -21.68 | peak | | | |
| 12 | * | 17972.75 | 8.50 | 27.82 | 36.32 | 54.00 | -17.68 | AVG | | | |

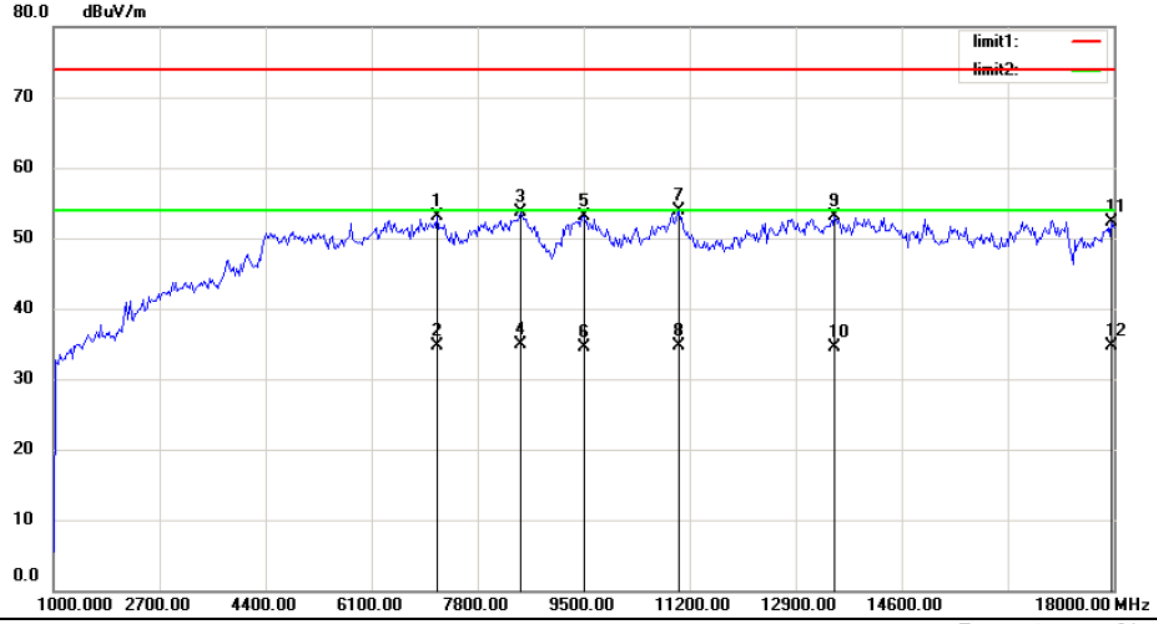
*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2441)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 4895.833 | 49.99 | 1.97 | 51.96 | 74.00 | -22.04 | peak | | | |
| 2 | | 4895.833 | 31.50 | 1.97 | 33.47 | 54.00 | -20.53 | AVG | | | |
| 3 | | 7838.141 | 42.35 | 10.01 | 52.36 | 74.00 | -21.64 | peak | | | |
| 4 | | 7838.141 | 23.80 | 10.01 | 33.81 | 54.00 | -20.19 | AVG | | | |
| 5 | | 11052.88 | 33.38 | 18.45 | 51.83 | 74.00 | -22.17 | peak | | | |
| 6 | | 11052.88 | 14.90 | 18.45 | 33.35 | 54.00 | -20.65 | AVG | | | |
| 7 | | 12197.11 | 35.43 | 16.57 | 52.00 | 74.00 | -22.00 | peak | | | |
| 8 | | 12197.11 | 16.20 | 16.57 | 32.77 | 54.00 | -21.23 | AVG | | | |
| 9 | | 15439.10 | 32.33 | 20.84 | 53.17 | 74.00 | -20.83 | peak | | | |
| 10 | | 15439.10 | 13.50 | 20.84 | 34.34 | 54.00 | -19.66 | AVG | | | |
| 11 | | 18000.00 | 24.52 | 27.78 | 52.30 | 74.00 | -21.70 | peak | | | |
| 12 | * | 18000.00 | 8.60 | 27.78 | 36.38 | 54.00 | -17.62 | AVG | | | |

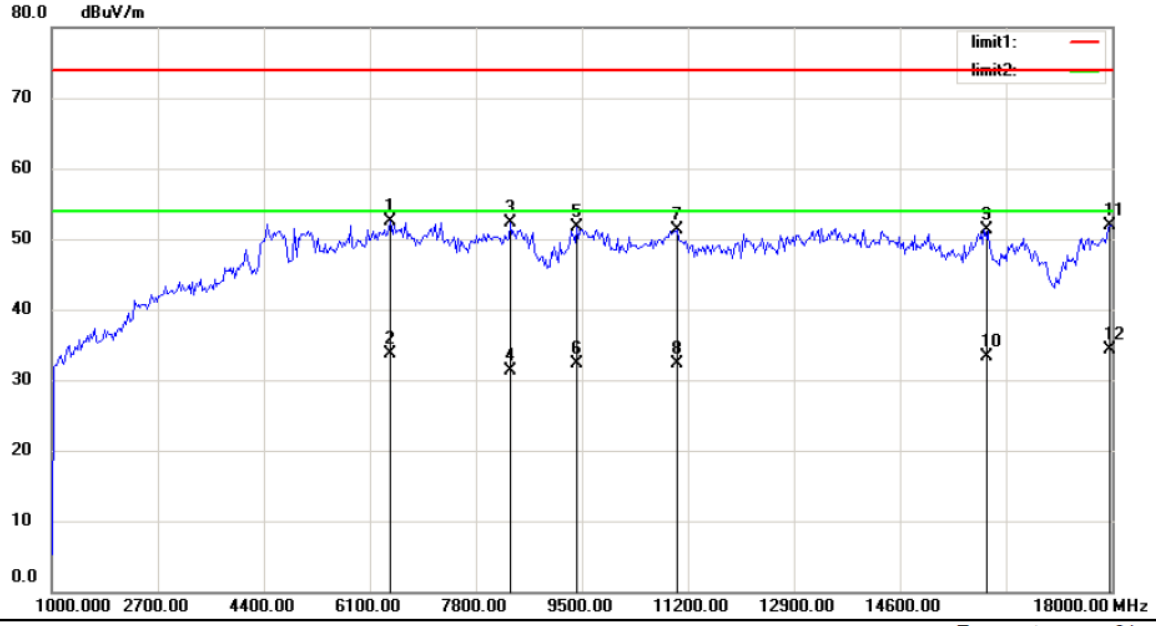
*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphones
M/N: KOR-FX
Mode:TX(2480)
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 7157.051 | 44.11 | 9.03 | 53.14 | 74.00 | -20.86 | peak | | | |
| 2 | | 7157.051 | 25.70 | 9.03 | 34.73 | 54.00 | -19.27 | AVG | | | |
| 3 | | 8491.987 | 40.51 | 13.14 | 53.65 | 74.00 | -20.35 | peak | | | |
| 4 | * | 8491.987 | 21.80 | 13.14 | 34.94 | 54.00 | -19.06 | AVG | | | |
| 5 | | 9500.000 | 36.16 | 16.94 | 53.10 | 74.00 | -20.90 | peak | | | |
| 6 | | 9500.000 | 17.50 | 16.94 | 34.44 | 54.00 | -19.56 | AVG | | | |
| 7 | | 11025.64 | 35.39 | 18.59 | 53.98 | 74.00 | -20.02 | peak | | | |
| 8 | | 11025.64 | 16.20 | 18.59 | 34.79 | 54.00 | -19.21 | AVG | | | |
| 9 | | 13532.05 | 33.76 | 19.30 | 53.06 | 74.00 | -20.94 | peak | | | |
| 10 | | 13532.05 | 15.20 | 19.30 | 34.50 | 54.00 | -19.50 | AVG | | | |
| 11 | | 17972.75 | 24.43 | 27.82 | 52.25 | 74.00 | -21.75 | peak | | | |
| 12 | | 17972.75 | 6.90 | 27.82 | 34.72 | 54.00 | -19.28 | AVG | | | |

*:Maximum data x:Over limit !:over margin Operator: ZHL




Site 3m Chamber #1 Polarization: *Vertical* Temperature: 24

Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %

EUT: Body feeling headphones

M/N: KOR-FX

Mode:TX(2480)

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 6421.474 | 45.61 | 6.84 | 52.45 | 74.00 | -21.55 | peak | | | |
| 2 | | 6421.474 | 26.90 | 6.84 | 33.74 | 54.00 | -20.26 | AVG | | | |
| 3 | | 8355.769 | 39.79 | 12.48 | 52.27 | 74.00 | -21.73 | peak | | | |
| 4 | | 8355.769 | 18.90 | 12.48 | 31.38 | 54.00 | -22.62 | AVG | | | |
| 5 | | 9418.269 | 35.95 | 15.66 | 51.61 | 74.00 | -22.39 | peak | | | |
| 6 | | 9418.269 | 16.70 | 15.66 | 32.36 | 54.00 | -21.64 | AVG | | | |
| 7 | | 11025.64 | 32.72 | 18.59 | 51.31 | 74.00 | -22.69 | peak | | | |
| 8 | | 11025.64 | 13.80 | 18.59 | 32.39 | 54.00 | -21.61 | AVG | | | |
| 9 | | 15956.73 | 29.10 | 22.16 | 51.26 | 74.00 | -22.74 | peak | | | |
| 10 | | 15956.73 | 11.20 | 22.16 | 33.36 | 54.00 | -20.64 | AVG | | | |
| 11 | | 17972.75 | 24.02 | 27.82 | 51.84 | 74.00 | -22.16 | peak | | | |
| 12 | * | 17972.75 | 6.40 | 27.82 | 34.22 | 54.00 | -19.78 | AVG | | | |

*:Maximum data x:Over limit !:over margin Operator: ZHL

# 6. BANDWIDTH TEST

## 6.1. Measurement Procedure

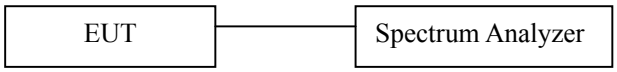
1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

2 Set to the maximum power setting and enable the EUT transmit continuously

3. Make the measurement with the spectrum analyzer 's resolution bandwidth (RBW) =100kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement The 20dB bandwidth.

4. Measure and record the results in the test report.

## 6.2. Test SET-UP (Block Diagram of Configuration)




## 6.3. Measurement Equipment Used:

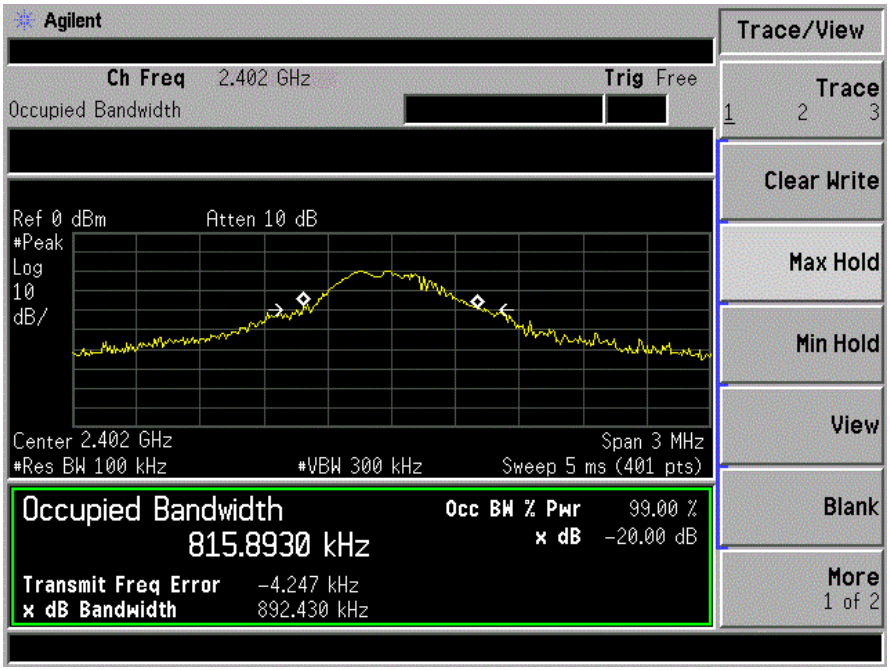
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
|---|---|---|---|---|---|
| Spectrum Analyzer | Agilent | E4407B | 88156318 | 05/17/2014 | 05/16/2015 |

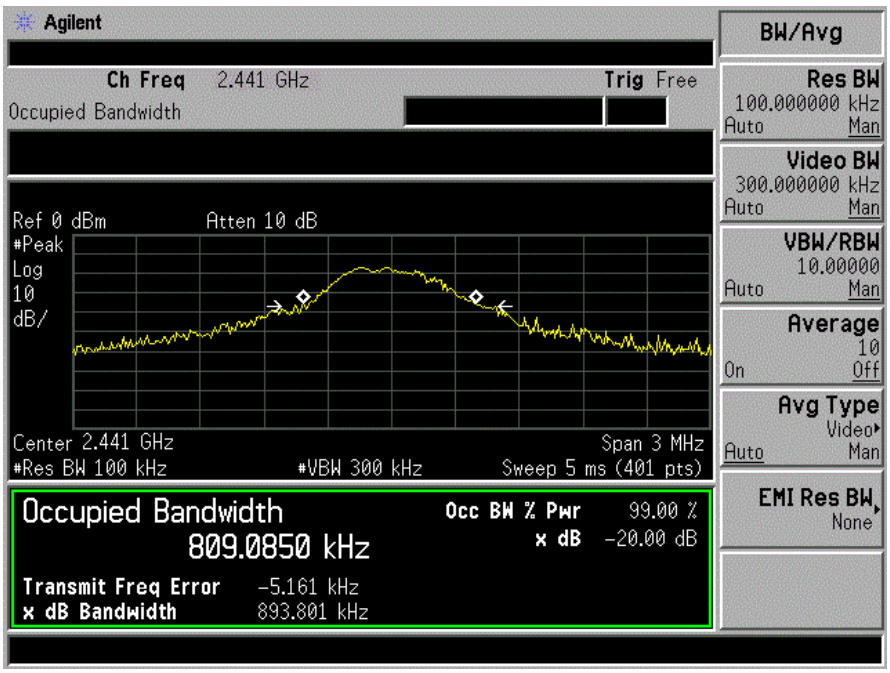
## 6.4. Measurement Results:

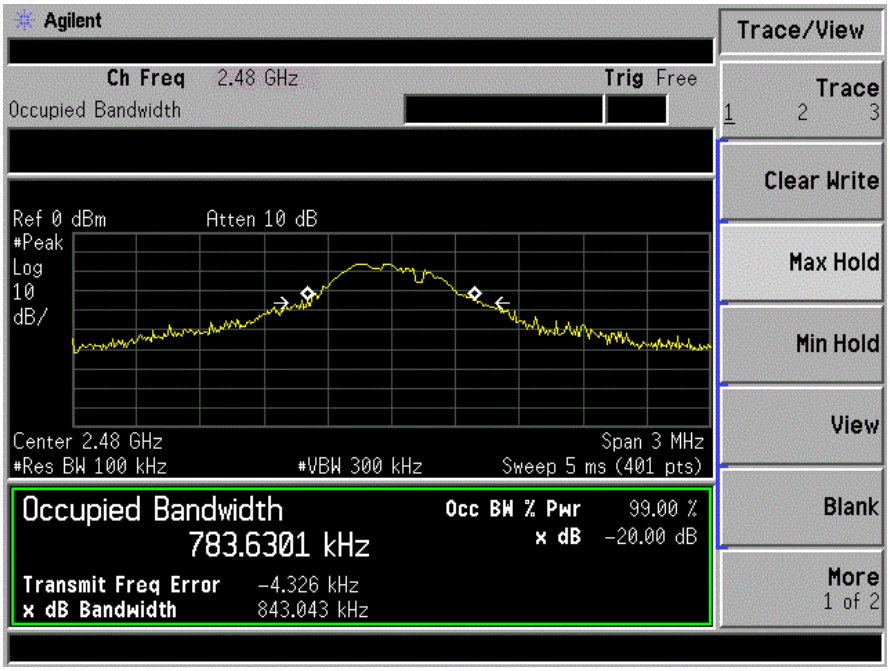
20dB Bandwidth test data Chart:
Refer to attached data chart.

| | | | |
|---|---|---|---|
| Spectrum Detector: | PK | Test Date: | August 20, 2014 |
| Test By: | Andy | Temperature: | 24℃ |
| Test Result: | PASS | Humidity: | 55 % |
| Modulation: | GFSK | | |

| Channel number | Channel frequency (MHz) | 20dB Down BW(kHz) |
|---|---|---|
| CH1 | 2402 | 892.430 |
| CH79 | 2441 | 893.801 |
| CH158 | 2480 | 843.043 |


Agilent
Trace/View
Ch Freq 2.402 GHz
Trig Free
Occupied Bandwidth
Trace
1 2 3
Clear Write
Ref 0 dBm
Atten 10 dB
#Peak
Log
10
dB/
Max Hold
Min Hold
View
Center 2.402 GHz
Span 3 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5 ms (401 pts)
Occupied Bandwidth
815.8930 kHz
Occ BW % Pwr 99.00 %
x dB -20.00 dB
Transmit Freq Error -4.247 kHz
x dB Bandwidth 892.430 kHz
Blank
More
1 of 2


Agilent
BW/Avg
Ch Freq 2.441 GHz
Trig Free
Occupied Bandwidth
Res BW
100.000000 kHz
Auto Man
Video BW
300.000000 kHz
Auto Man
Ref 0 dBm
Atten 10 dB
#Peak
Log
10
dB/
VBW/RBW
10.00000
Auto Man
Average
10
On Off
Avg Type
Video
Auto Man
Center 2.441 GHz
Span 3 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5 ms (401 pts)
EMI Res BW
None
Occupied Bandwidth
809.0850 kHz
Occ BW % Pwr 99.00 %
x dB -20.00 dB
Transmit Freq Error -5.161 kHz
x dB Bandwidth 893.801 kHz


Agilent
Trace/View
Ch Freq 2.48 GHz
Trig Free
Occupied Bandwidth
Trace
1 2 3
Clear Write
Ref 0 dBm
Atten 10 dB
#Peak
Log
10
dB/
Max Hold
Min Hold
View
Center 2.48 GHz
Span 3 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5 ms (401 pts)
Blank
Occupied Bandwidth
783.6301 kHz
Occ BW % Pwr 99.00 %
x dB -20.00 dB
Transmit Freq Error -4.326 kHz
x dB Bandwidth 843.043 kHz
More
1 of 2

# 7. BAND EDGE TEST

## 7.1. Measurement Procedure.

1. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
2. The EUT was placed on a turntable with 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
5. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz; VBW≥RBW; Sweep = auto; Detector function = peak;Trace = max hold;
   (3)Set RBW = 1 MHz, VBW= 3MHz for f≥1 GHz for peak measurement.
   For average measurement:
   The RBW of test receiver/spectrum analyzer is 1MHz and the VBW for Average detection (AV) of test receiver/spectrum analyzer is 10Hz above 1GHz.

When spectrum scanned above 1GHz setting resolution bandwidth 1MHz, video bandwidth 3MHz.

| EMI Test Receiver | Setting |
|---|---|
| Attenuation | Auto |
| RB | 1MHz |
| VB | 3MHz |
| Detector | Peak |
| Trace | Max hold |

When spectrum scanned above 1GHz setting resolution bandwidth 1MHz, video bandwidth 10Hz.

| EMI Test Receiver | Setting |
|---|---|
| Attenuation | Auto |
| RB | 1MHz |
| VB | 10Hz |
| Detector | Peak |
| Trace | Max hold |

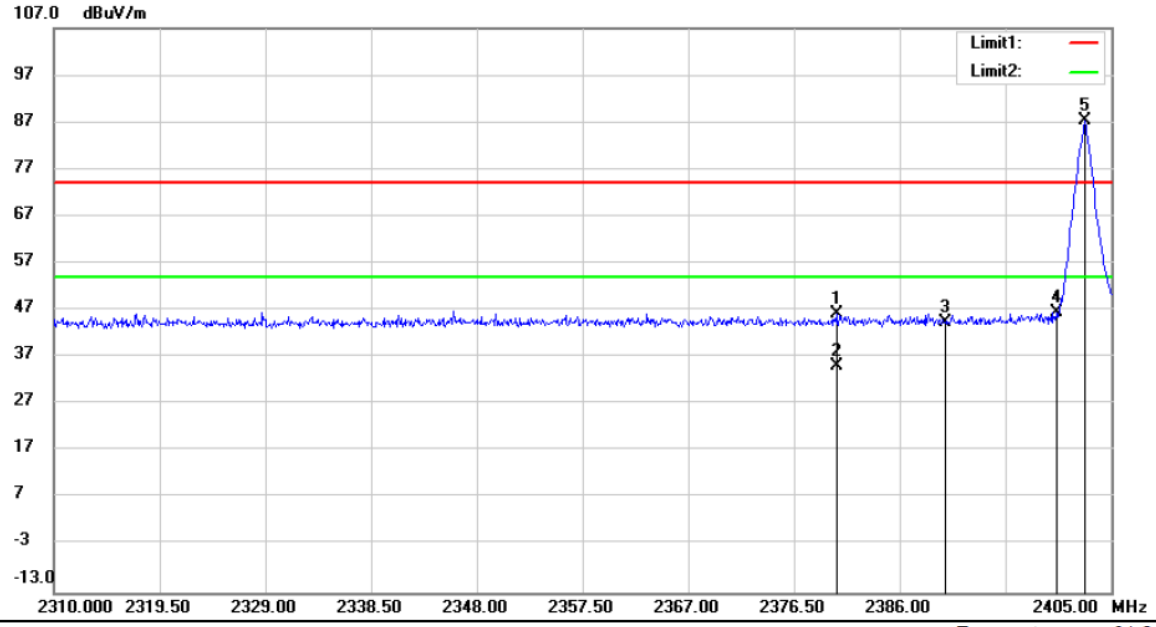
### 7.2. Test SET-UP (Block Diagram of Configuration)

As 5.2 Test set up (B) and (C)

### 7.3. Measurement Equipment Used:

Same as 5.3 Radiated Emission Measurement.

### 7.4. Measurement Results:



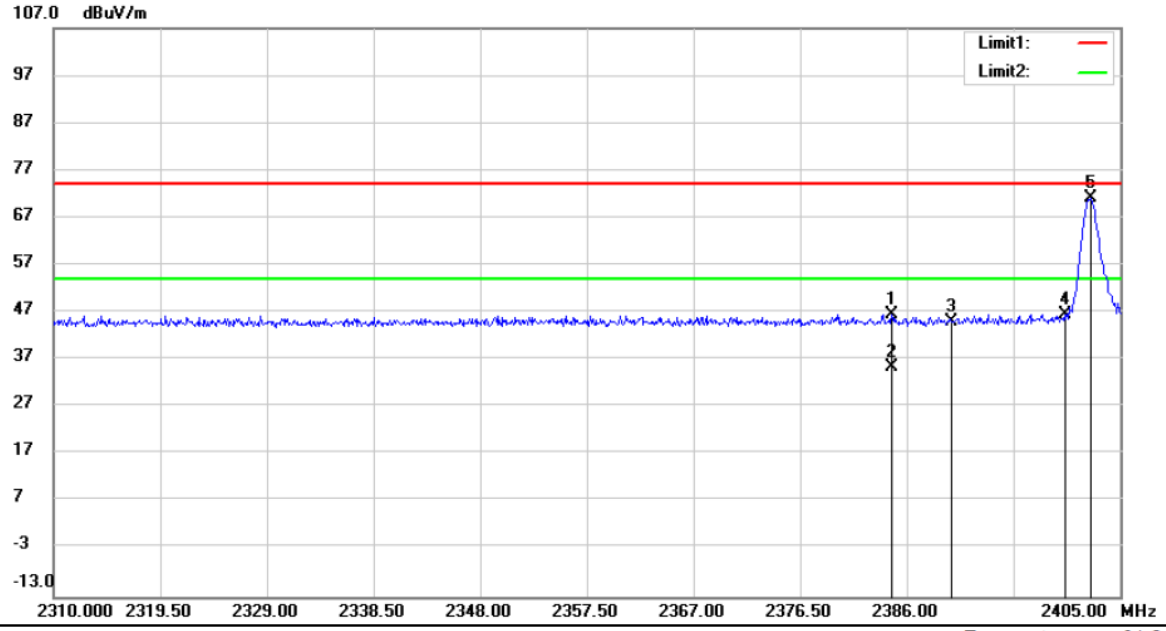

Site 3m Chamber #3
Limit: ( RE)FCC PART 15 CLASS B
EUT: Body feeling headphone
M/N: KOR-FX
Mode: TX2402
Note:

Polarization: *Horizontal*
Power:

Temperature: 24 C
Humidity: 53 %

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 2380.300 | 38.63 | 7.69 | 46.32 | 74.00 | -27.68 | peak | | | |
| 2 | | 2380.300 | 27.51 | 7.69 | 35.20 | 54.00 | -18.80 | AVG | | | |
| 3 | | 2390.000 | 36.84 | 7.73 | 44.57 | 74.00 | -29.43 | peak | | | |
| 4 | | 2400.000 | 38.66 | 7.76 | 46.42 | 74.00 | -27.58 | peak | | | |
| 5 | * | 2402.625 | 79.55 | 7.76 | 87.31 | 74.00 | 13.31 | peak | | | |

*:Maximum data x:Over limit !:over margin Operator:



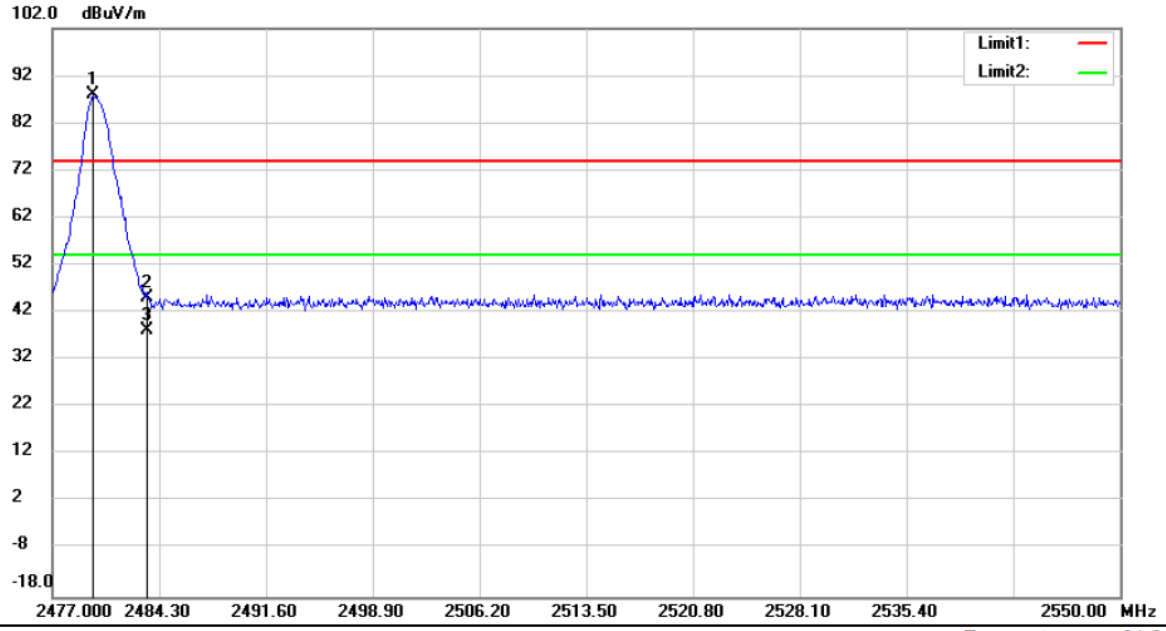

Site 3m Chamber #3
Limit: ( RE)FCC PART 15 CLASS B
EUT: Body feeling headphone
M/N: KOR-FX
Mode: TX2402
Note:

Polarization: *Vertical*
Power:

Temperature: 24 C
Humidity: 53 %

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 2384.670 | 38.94 | 7.71 | 46.65 | 74.00 | -27.35 | peak | | | |
| 2 | | 2384.670 | 27.85 | 7.71 | 35.56 | 54.00 | -18.44 | AVG | | | |
| 3 | | 2390.000 | 37.36 | 7.73 | 45.09 | 74.00 | -28.91 | peak | | | |
| 4 | | 2400.000 | 38.91 | 7.76 | 46.67 | 74.00 | -27.33 | peak | | | |
| 5 | * | 2402.340 | 63.28 | 7.76 | 71.04 | 74.00 | -2.96 | peak | | | |

*:Maximum data x:Over limit !:over margin Operator:



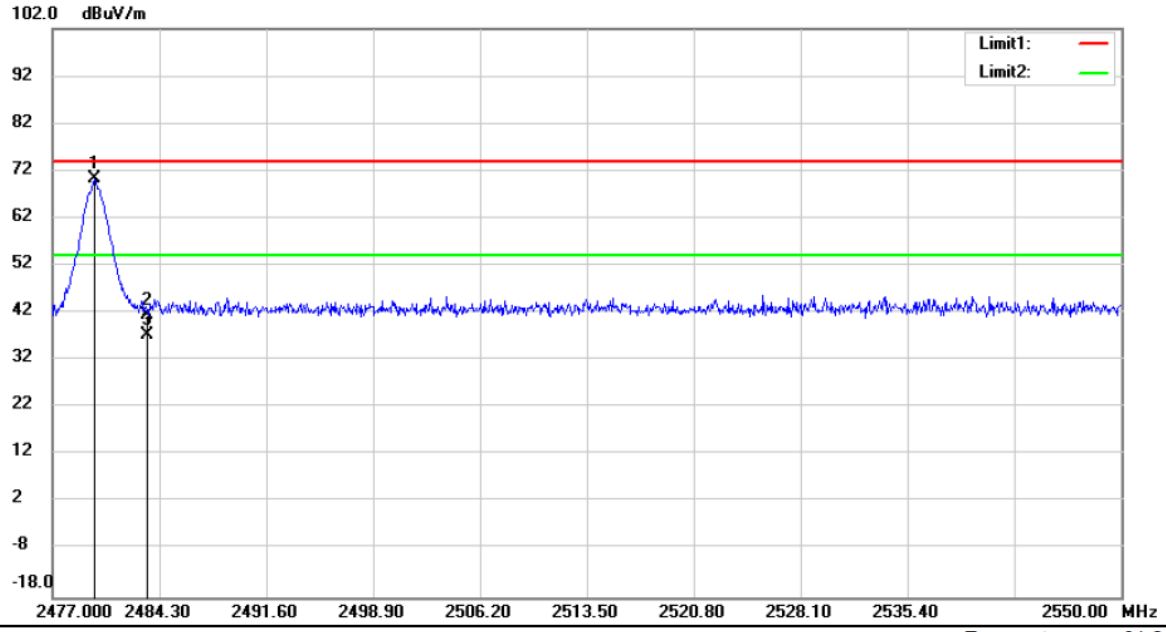

Site 3m Chamber #3
Limit: ( RE)FCC PART 15 CLASS B
EUT: Body feeling headphone
M/N: KOR-FX
Mode: TX2480
Note:

Polarization: *Horizontal*
Power:

Temperature: 24 C
Humidity: 53 %

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | * | 2479.774 | 79.93 | 7.99 | 87.92 | 74.00 | 13.92 | peak | | | |
| 2 | | 2483.500 | 37.06 | 8.01 | 45.07 | 74.00 | -28.93 | peak | | | |
| 3 | | 2483.500 | 30.24 | 8.01 | 38.25 | 54.00 | -15.75 | AVG | | | |

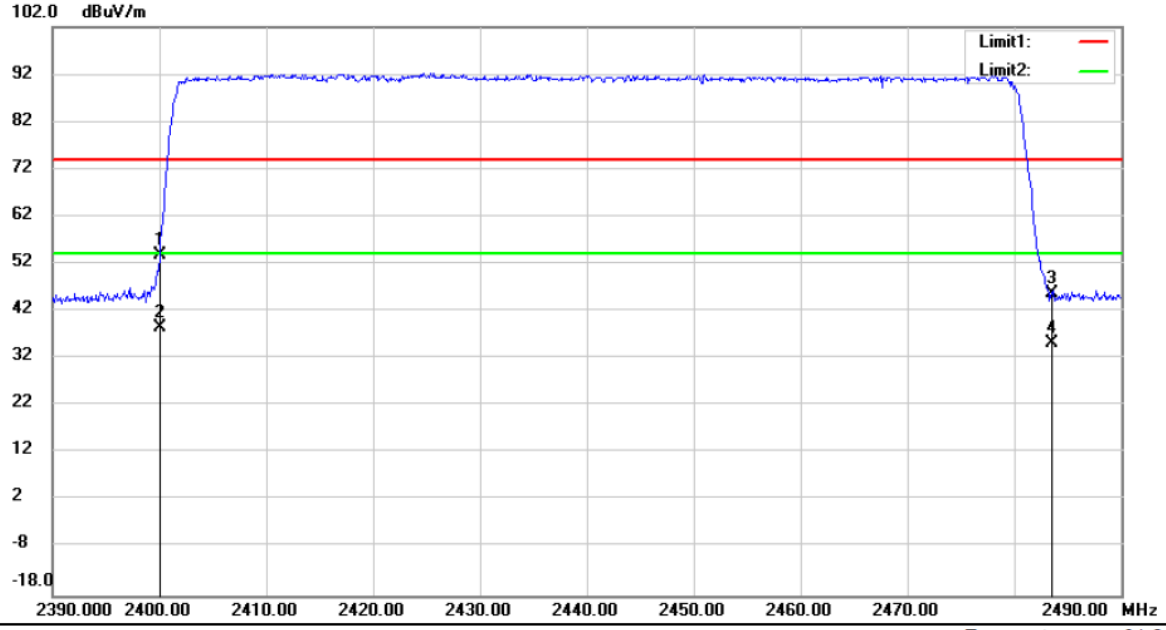
*:Maximum data x:Over limit !:over margin Operator:




Site 3m Chamber #3 Polarization: *Vertical* Temperature: 24 C
Limit: ( RE)FCC PART 15 CLASS B Power: Humidity: 53 %
EUT: Body feeling headphone
M/N: KOR-FX
Mode:TX2480
Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | * | 2479.847 | 62.34 | 7.99 | 70.33 | 74.00 | -3.67 | peak | | | |
| 2 | | 2483.500 | 33.65 | 8.01 | 41.66 | 74.00 | -32.34 | peak | | | |
| 3 | | 2483.500 | 29.24 | 8.01 | 37.25 | 54.00 | -16.75 | AVG | | | |

*:Maximum data x:Over limit !:over margin Operator:



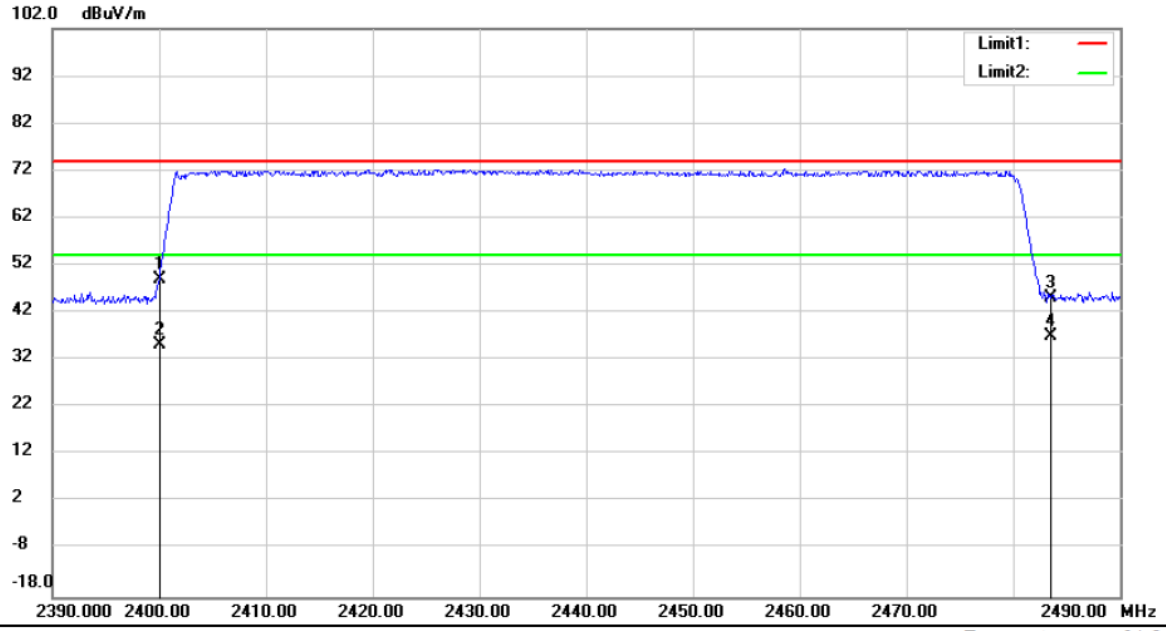

Site 3m Chamber #3
Limit: ( RE)FCC PART 15 CLASS B
EUT: Body feeling headphone
M/N: KOR-FX
Mode:Hopping
Note:

Polarization: *Horizontal*
Power:

Temperature: 24 C
Humidity: 53 %

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 2400.000 | 45.98 | 7.76 | 53.74 | 74.00 | -20.26 | peak | | | |
| 2 | * | 2400.000 | 30.70 | 7.76 | 38.46 | 54.00 | -15.54 | AVG | | | |
| 3 | | 2483.500 | 37.81 | 8.01 | 45.82 | 74.00 | -28.18 | peak | | | |
| 4 | | 2483.500 | 27.17 | 8.01 | 35.18 | 54.00 | -18.82 | AVG | | | |

*:Maximum data x:Over limit !:over margin Operator:




Site 3m Chamber #3
Limit: ( RE)FCC PART 15 CLASS B
EUT: Body feeling headphone
M/N: KOR-FX
Mode:Hopping
Note:

Polarization: *Vertical*
Power:

Temperature: 24 C
Humidity: 53 %

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 2400.000 | 41.33 | 7.76 | 49.09 | 74.00 | -24.91 | peak | | | |
| 2 | | 2400.000 | 27.38 | 7.76 | 35.14 | 54.00 | -18.86 | AVG | | | |
| 3 | | 2483.500 | 37.11 | 8.01 | 45.12 | 74.00 | -28.88 | peak | | | |
| 4 | * | 2483.500 | 29.14 | 8.01 | 37.15 | 54.00 | -16.85 | AVG | | | |

*:Maximum data x:Over limit !:over margin Operator:

# 8. Antenna Application

## 8.1 Antenna Requirement

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

## 8.2 Result

The EUT'S antenna is PCB Antenna. The antenna's gain is -1dBi and meets the requirement.