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APPLICATION CERTIFICATION FCC Part 15C On Behalf of S2E,Inc.

Sports Bluetooth Earphone Model No.: MEE audio X6, MEE audio X5

FCC ID: 2ABMRX6

Prepared for : S2E,Inc.

Address : 817 Lawson St. City of Industry, CA 91748

Prepared by : Shenzhen Accurate Technology Co., Ltd.

Address : 1/F., Building A, Changyuan New Material Port, Science & Industry

Park, Nanshan District, Shenzhen, Guangdong, P.R. China

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Report No. : ATE20180397

Date of Test : March 21-March 24, 2018

Date of Report : March 24, 2018



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Test Report Certification

Applicant : S2E,Inc.

Manufacturer : S2E,Inc.

EUT Description : Sports Bluetooth Earphone

Model No. : MEE audio X6, MEE audio X5

Brand Name : MEE audio

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247: 2018 ANSI C63.10: 2013

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd.

| Date of Test: | March 21-March 24, 2018 |
|-------------------------------|--|
| Date of Report : | March 24, 2018 |
| Test Engineer: | Star Yang |
| | (Star Yang, Engineer) |
| Prepared by : | STECHNOLOGY COMPANY |
| Approved & Authorized Signer: | (St Approved |
| | (Sean Liu, Manager) |



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1. GENERAL INFORMATION

1.1.Description of Device (EUT)

Model Number : MEE audio X6, MEE audio X5

(Note: Above models are identical in schematic, structure and critical components except for model name, So we prepare MEE audio X6 for

test.)

Bluetooth version : V 4.2

Frequency Range : 2402MHz-2480MHz

Number of Channels : 79

Antenna Gain(Max) : 2.64dBi

Antenna type : Integral Antenna

Adapter Input Voltage : DC 3.7V (Powered by Lithium battery) or

DC 5V (Powered by USB port)

Modulation mode : GFSK, $\pi / 4$ DQPSK, 8DPSK

Hardware version : V1.0

Software version : V1.0

Applicant : S2E,Inc.

Address : 817 Lawson St. City of Industry, CA 91748

Manufacturer : S2E,Inc.

Address : 817 Lawson St. City of Industry, CA 91748

1.2. Accessory and Auxiliary Equipment

| AC/DC Power Adapter | | Model:TEKA006-0501000UKU |
|--------------------------|--|------------------------------|
| (provided by laboratory) | | Input: 100-240V~50/60Hz 0.3A |
| | | Output: DC 5V/1A |



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1.3.Description of Test Facility

EMC Lab : Recognition of accreditation by Federal Communications

Commission (FCC)

The Designation Number is CN1189 The Registration Number is 708358

Listed by Innovation, Science and Economic Development

Canada (ISEDC)

The Registration Number is 5077A-2

Accredited by China National Accreditation Service for

Conformity Assessment (CNAS)

The Registration Number is CNAS L3193

Accredited by American Association for Laboratory

Accreditation (A2LA)

The Certificate Number is 4297.01

Name of Firm . Shenzhen Accurate Technology Co., Ltd.

Site Location . 1/F., Building A, Changyuan New Material Port, Science

& Industry Park, Nanshan District, Shenzhen, Guangdong,

P.R. China

1.4. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2

(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2

(Above 1GHz)



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2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

| Kind of equipment | Manufacturer | Туре | S/N | Calibrated dates | Calibrated until |
|-----------------------------|---------------------------|-------------------------------------|------------|------------------|------------------|
| EMI Test Receiver | Rohde&Schwarz | ESCS30 | 100307 | Jan. 06, 2018 | 1 Year |
| EMI Test Receiver | Rohde&Schwarz | ESPI3 | 101526/003 | Jan. 06, 2018 | 1 Year |
| Spectrum Analyzer | Agilent | E7405A | MY45115511 | Jan. 06, 2018 | 1 Year |
| Pre-Amplifier | Rohde&Schwarz | CBLU1183540-01 | 3791 | Jan. 06, 2018 | 1 Year |
| Loop Antenna | Schwarzbeck | FMZB1516 | 1516131 | Jan. 06, 2018 | 1 Year |
| Bilog Antenna | Schwarzbeck | VULB9163 | 9163-323 | Jan. 06, 2018 | 1 Year |
| Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-655 | Jan. 06, 2018 | 1 Year |
| Horn Antenna | Schwarzbeck | BBHA9170 | 9170-359 | Jan. 06, 2018 | 1 Year |
| LISN | Rohde&Schwarz | ESH3-Z5 | 100305 | Jan. 06, 2018 | 1 Year |
| LISN | Schwarzbeck | NSLK8126 | 8126431 | Jan. 06, 2018 | 1 Year |
| Highpass Filter | Wainwright Instruments | WHKX3.6/18G-10S S | N/A | Jan. 06, 2018 | 1 Year |
| Band Reject Filter | Wainwright Instruments | WRCG2400/2485-2 375/2510-60/11SS | N/A | Jan. 06, 2018 | 1 Year |
| RF COAXIAL CABLE | SUHNER | N-5m(Frequency range:9KHz-26.5GHz) | NO.3 | Jan. 06, 2018 | 1 Year |
| RF COAXIAL CABLE | SUHNER | N-5m(Frequency range:9KHz-26.5GHz) | NO.4 | Jan. 06, 2018 | 1 Year |
| RF COAXIAL CABLE | SUHNER | N-1m(Frequency range:9KHz-26.5GHz) | NO.5 | Jan. 06, 2018 | 1 Year |
| RF COAXIAL CABLE | SUHNER | N-1m(Frequency range:9KHz-26.5GHz) | NO.6 | Jan. 06, 2018 | 1 Year |
| Temporary antenna connector | NTGS | 14AE | N/A | March 21, 2018 | N/A |

Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.



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3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

The mode is used: Transmitting mode

Low Channel: 2402MHz Middle Channel: 2441MHz High Channel: 2480MHz

Hopping

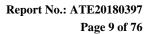
Note: The equipment under test (EUT) was tested under fully-charged battery.

The Bluetooth has been tested under continuous transmission mode.

3.2. Configuration and peripherals

EUT

Figure 1 Setup: Transmitting mode





4. TEST PROCEDURES AND RESULTS

| FCC Rules | Description of Test | Result |
|-------------------------------------|-----------------------------------|-----------|
| Section 15.207 | Conducted Emission Test | Compliant |
| Section 15.247(a)(1) | 20dB Bandwidth Test | Compliant |
| Section 15.247(a)(1) | Carrier Frequency Separation Test | Compliant |
| Section 15.247(a)(1)(iii) | Number Of Hopping Frequency Test | Compliant |
| Section 15.247(a)(1)(iii) | Dwell Time Test | Compliant |
| Section 15.247(b)(1) | Maximum Peak Output Power Test | Compliant |
| Section 15.247(d) Section 15.209 | Radiated Emission Test | Compliant |
| Section 15.247(d) | Band Edge Compliance Test | Compliant |
| Section 15.203 | Antenna Requirement | Compliant |

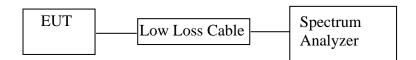


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5. 20DB BANDWIDTH TEST

5.1.Block Diagram of Test Setup



(EUT: Sports Bluetooth Earphone)

5.2. The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

5.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 5.4.2. Turn on the power of all equipment.
- 5.4.3.Let the EUT work in TX (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

5.5.Test Procedure

- 5.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 5.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.
- 5.5.3. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.



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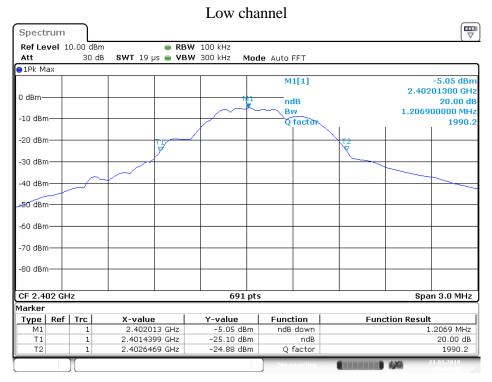
5.6.Test Result

Test Lab: Shielding room Test Engineer: Star

| | Frequency (MHz) | GFSK | ∏/4-DQPSK | 8DPSK | |
|---------|-----------------|----------------|----------------|----------------|--------|
| Channel | | 20dB Bandwidth | 20dB Bandwidth | 20dB Bandwidth | Result |
| | | (MHz) | (MHz) | (MHz) | |
| Low | 2402 | 1.207 | 1.333 | 1.389 | Pass |
| Middle | 2441 | 1.316 | 1.402 | 1.437 | Pass |
| High | 2480 | 1.329 | 1.402 | 1.437 | Pass |

The spectrum analyzer plots are attached as below.

GFSK Mode

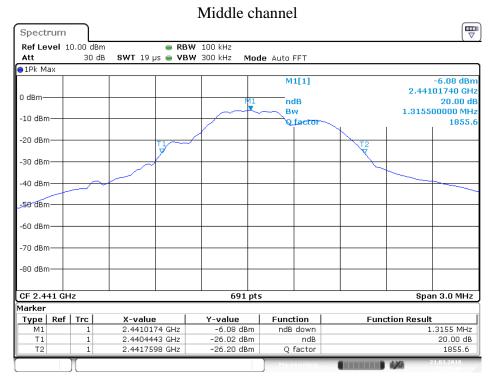


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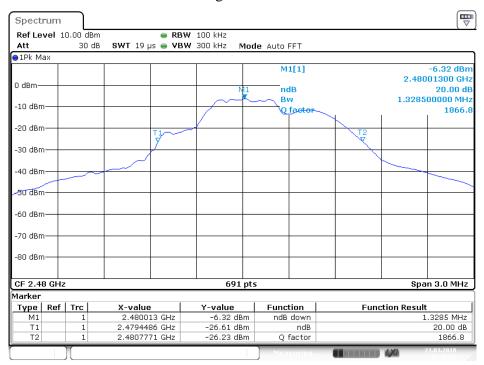


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Date: 21.MAR.2018 15:25:46

High channel

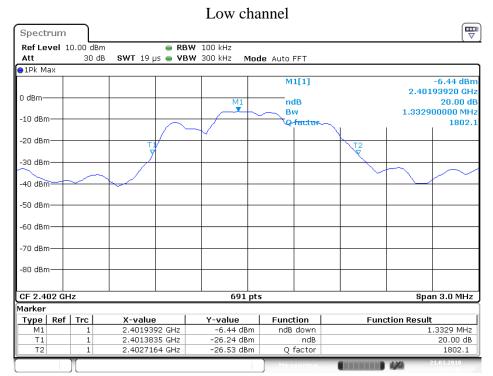


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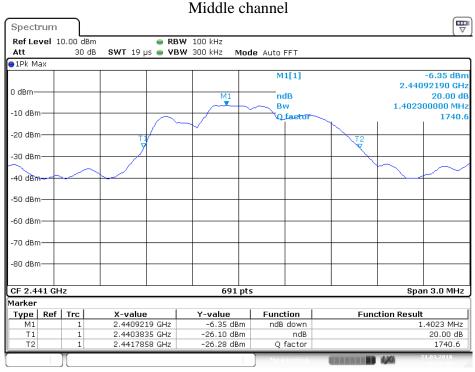
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∏/4-DQPSK Mode



Date: 21.MAR.2018 15:28:19

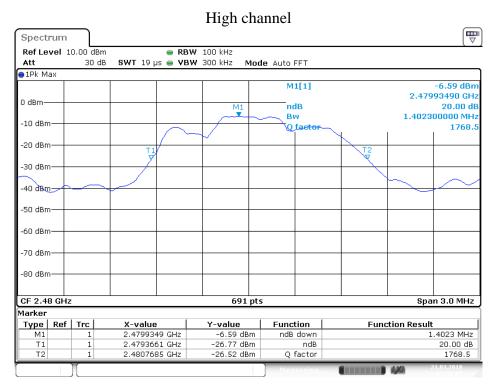


Date: 21.MAR.2018 15:27:52



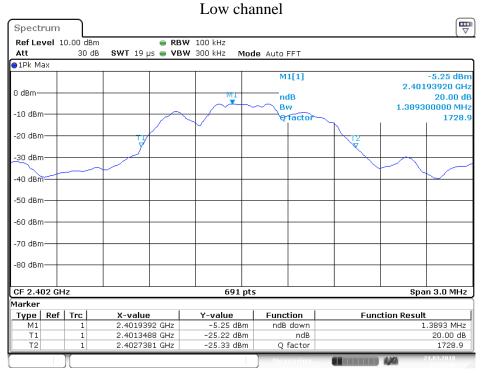


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Date: 21.MAR.2018 15:27:05

8DPSK Mode

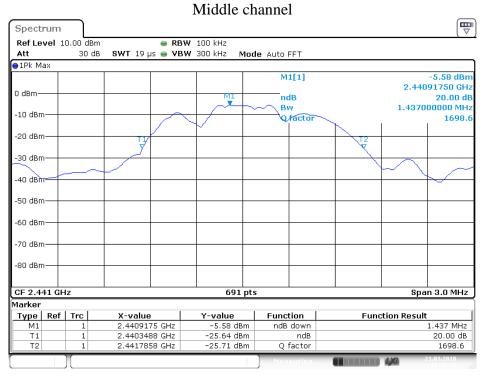


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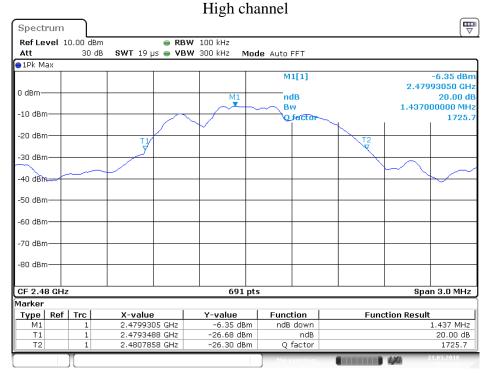




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Date: 21.MAR.2018 15:29:21



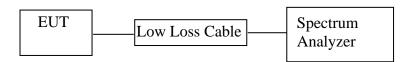
Date: 21.MAR.2018 15:29:58



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6.1.Block Diagram of Test Setup



6. CARRIER FREQUENCY SEPARATION TEST

(EUT: Sports Bluetooth Earphone)

6.2. The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudorandomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

6.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.4. Operating Condition of EUT

- 6.4.1. Setup the EUT and simulator as shown as Section 6.1.
- 6.4.2. Turn on the power of all equipment.
- 6.4.3.Let the EUT work in TX (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.



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6.5.Test Procedure

- 6.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 6.5.2.Set RBW of spectrum analyzer to 30 kHz and VBW to 100 kHz. Adjust Span to 2MHz.
- 6.5.3.Set the adjacent channel of the EUT Maxhold another trace.
- 6.5.4. Measurement the channel separation

6.6.Test Result

Test Lab: Shielding room Test Engineer: Star

GFSK

| Channel | Frequency | Channel | Limit | Result |
|---------|-----------|-----------------|-------------------|--------|
| Chainei | (MHz) | Separation(MHz) | (MHz) | Result |
| Lovy | 2402 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| Low | 2403 | 1.0029 | bandwidth | PASS |
| Middle | 2440 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| Middle | 2441 | 1.0029 | bandwidth | PASS |
| High | 2479 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| High | 2480 | 1.0029 | bandwidth | PASS |

$\Pi/4$ -DQPSK

| Channel | Frequency (MHz) | Channel Separation(MHz) | Limit (MHz) | Result |
|---------|-----------------|----------------------------|-------------------|--------|
| Low | 2402 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| Low | 2403 | 1.0029 | bandwidth | LASS |
| Middle | 2440 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| Middle | 2441 | 1.0029 | bandwidth | |
| High | 2479 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| Iligii | 2480 | 1.0029 | bandwidth | LASS |

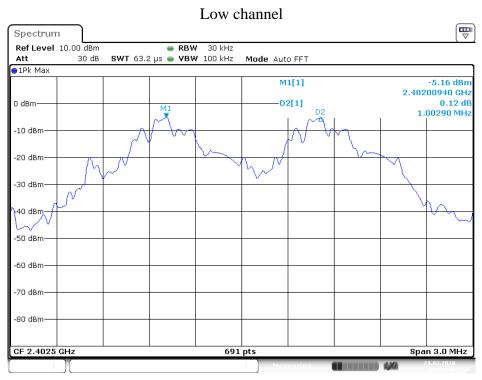
8DPSK

| Channel | Frequency | Channel Separation (MIII) | Limit | Result |
|---------|-----------|---------------------------|-------------------|--------|
| | (MHz) | Separation(MHz) | (MHz) | |
| Low | 2402 | 0.9986 | 25KHz or 2/3*20dB | PASS |
| Low | 2403 | 0.9960 | bandwidth | 1 ASS |
| Middle | 2440 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| Mildule | 2441 | 1.0029 | bandwidth | |
| High | 2479 | 1.0029 | 25KHz or 2/3*20dB | PASS |
| High | 2480 | 1.0029 | bandwidth | rass |

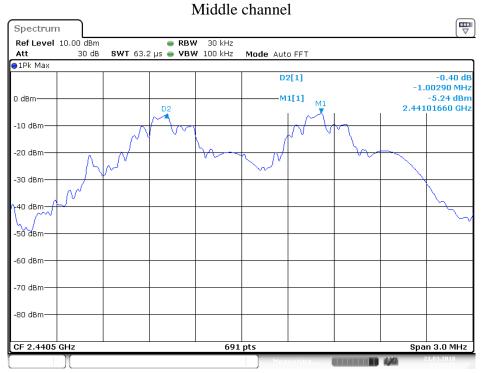
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GFSK Mode



Date: 21.MAR.2018 15:31:46



Date: 21.MAR.2018 15:33:24



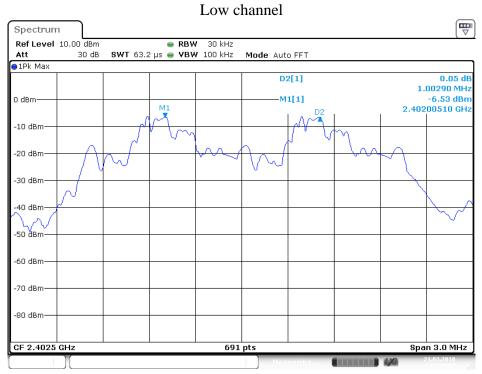
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High channel Spectrum ● RBW 30 kHz SWT 63.2 µs ● VBW 100 kHz Ref Level 10.00 dBm Att 30 dB Mode Auto FFT ●1Pk Max D2[1] -1.00290 MHz -5.75 dBm 0 dBm M1[1] 2.48001230 GH -10 dBm -30 dBm 40 dBm -50 dBm -60 dBm--70 dBm -80 dBm Span 3.0 MHz CF 2.4795 GHz 691 pts

Date: 21.MAR.2018 15:34:26

$\Pi/4$ -DQPSK Mode



Date: 21.MAR.2018 15:38:07

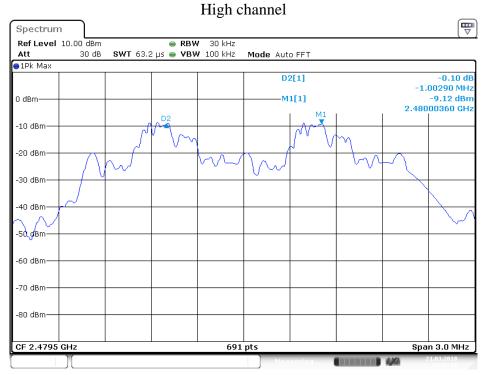


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Middle channel Spectrum Ref Level 10.00 dBm ■ RBW 30 kHz Att SWT 63.2 µs ● VBW 100 kHz Mode Auto FFT ●1Pk Max D2[1] -0.74 dE 1.00290 MH -6.81 dBn 0 dBm-2.44100800 GHz D2 -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -80 dBm CF 2.4405 GHz 691 pts Span 3.0 MHz

Date: 21.MAR.2018 15:40:33

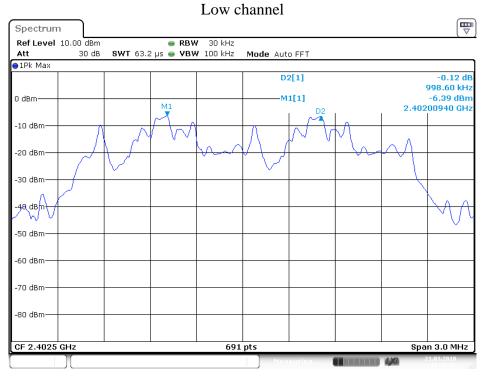


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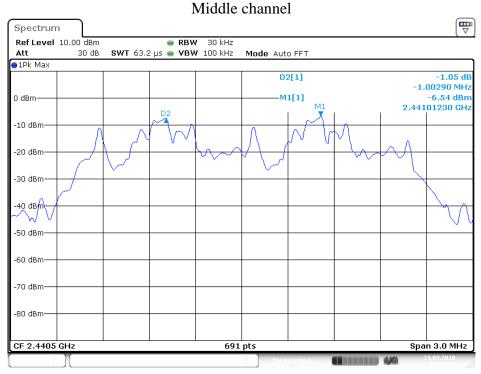
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8DPSK Mode



Date: 21.MAR.2018 15:46:06



Date: 21.MAR.2018 15:45:02



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High channel Spectrum Ref Level 10.00 dBm Att 30 dB ● RBW 30 kHz SWT 63.2 µs ● VBW 100 kHz Att Mode Auto FFT ●1Pk Max -0.71 dB -1.00290 MHz -8.56 dBm 2.48000360 GHz D2[1] 0 dBm-M1[1] -10 dBm -20 dBm--30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm

691 pts

Date: 21.MAR.2018 15:43:47

CF 2.4795 GHz

Span 3.0 MHz

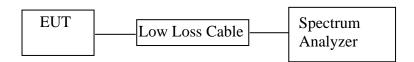


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7. NUMBER OF HOPPING FREQUENCY TEST

7.1.Block Diagram of Test Setup



(EUT: Sports Bluetooth Earphone)

7.2. The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

7.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.4. Operating Condition of EUT

- 7.4.1. Setup the EUT and simulator as shown as Section 7.1.
- 7.4.2. Turn on the power of all equipment.
- 7.4.3.Let the EUT work in TX (Hopping on) modes measure it.

7.5.Test Procedure

- 7.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 7.5.2.Set the spectrum analyzer as RBW=100 kHz, VBW=300 kHz.
- 7.5.3.Max hold, view and count how many channel in the band.

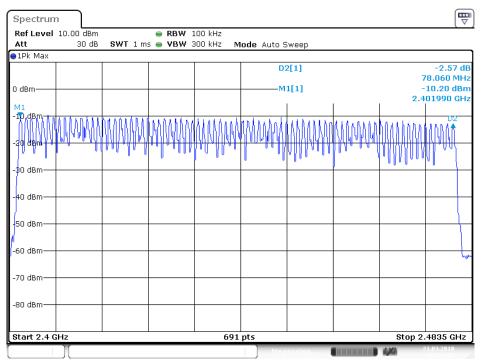


7.6.Test Result

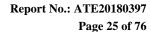
Test Lab: Shielding room Test Engineer: Star

| Total number of | Measurement result(CH) | Limit(CH) |
|-----------------|------------------------|-----------|
| hopping channel | 79 | ≥15 |

Number of hopping channels(GFSK)

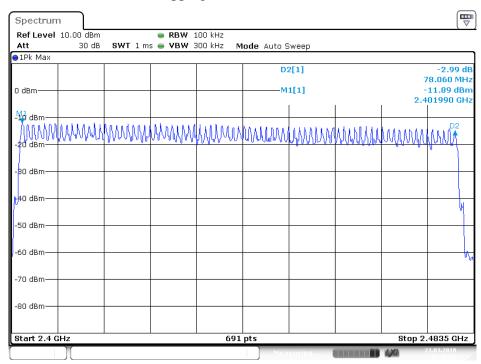


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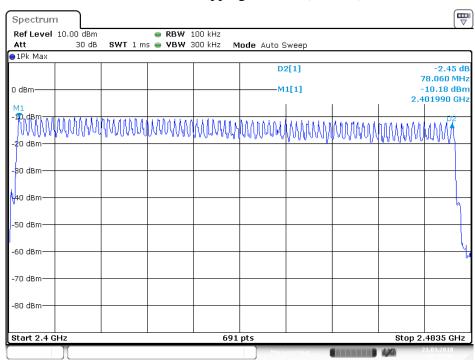


Number of hopping channels ($\Pi/4$ -DQPSK)



Date: 21.MAR.2018 15:56:26

Number of hopping channels(8DPSK)



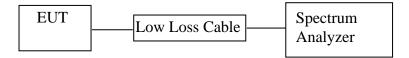
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8. DWELL TIME TEST

8.1.Block Diagram of Test Setup



(EUT: Sports Bluetooth Earphone)

8.2. The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

8.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.4. Operating Condition of EUT

- 8.4.1. Setup the EUT and simulator as shown as Section 8.1.
- 8.4.2. Turn on the power of all equipment.
- 8.4.3.Let the EUT work in TX (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

8.5.Test Procedure

- 8.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 8.5.2.Set center frequency of spectrum analyzer = operating frequency.
- 8.5.3.Set the spectrum analyzer as RBW=1MHz, VBW=3MHz, Span=0Hz, Adjust Sweep=5ms, 10ms, 15ms. Get the pulse time.
- 8.5.4.Repeat above procedures until all frequency measured were complete.





8.6.Test Result

Test Lab: Shielding room Test Engineer: Star

GFSK Mode (Worst case)

| Mode | Channel Frequency (MHz) | Pulse Time (ms) | Dwell Time (ms) | Limit (ms) | |
|--|--|------------------------|-------------------------------|------------|--|
| DH1 | 2441 | 0.514 | 164.48 | 400 | |
| A period to | A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(2*79)) \times 31.6$ | | | | |
| DH3 | 2441 | 1.790 | 286.40 | 400 | |
| A period to | ransmit time = 0.4×79 = | 31.6 Dwell time = pt | ulse time \times (1600/(4*' | 79))×31.6 | |
| DH5 | 2441 | 3.051 | 325.44 | 400 | |
| A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(6*79)) \times 31.6$ | | | | 79))×31.6 | |

$\Pi/4$ -DQPSK (Worst case)

| Mode | Channel Frequency (MHz) | Pulse Time (ms) | Dwell Time (ms) | Limit (ms) |
|--|-------------------------|-----------------|-----------------|------------|
| DH1 | 2441 | 0.522 | 167.04 | 400 |
| A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(2*79)) \times 31.6$ | | | | |
| DH3 | 2441 | 1.797 | 287.52 | 400 |
| A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(4*79)) \times 31.6$ | | | | 79))×31.6 |
| DH5 | 2441 | 3.065 | 326.93 | 400 |
| A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(6*79)) \times 31.6$ | | | | |

8DPSK (Worst case)

| Mode | Channel Frequency (MHz) | Pulse Time (ms) | Dwell Time (ms) | Limit (ms) |
|--|-------------------------|-----------------|--------------------|---------------|
| DH1 | 2441 | 0.522 | 167.04 | 400 |
| A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(2*79)) \times 31.6$ | | | | 79))×31.6 |
| DH3 | 2441 | 1.797 | 287.52 | 400 |
| A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(4*79)) \times 31.6$ | | | 79))×31.6 | |
| DH5 | 2441 | 3.036 | 323.84 | 400 |
| A period transmit time = $0.4 \times 79 = 31.6$ Dwell time = pulse time $\times (1600/(6*79)) \times 31.6$ | | | 79))×31.6 | |

Note: We tested GFSK mode and $\Pi/4$ -DQPSK & 8DPSK mode the low, middle and high channel and recorded the worst case data for all test mode.

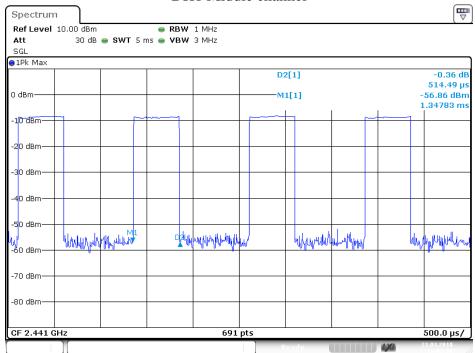
The spectrum analyzer plots are attached as below.

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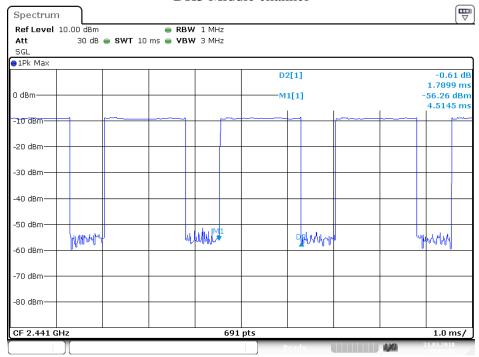
GFSK Mode

DH1 Middle channel

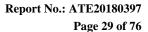


Date: 21.MAR.2018 16:02:20

DH3 Middle channel



Date: 21.MAR.2018 16:04:44





DH5 Middle channel Spectrum Ref Level 10.00 dBm RBW 1 MHz 30 dB 🅌 SWT 15 ms 🖷 VBW 3 MHz Att SGL 1Pk Max D2[1] -0.42 dB 3.0507 ms 0 dBm M1[1] -56.43 dBm 7.3043 m -10 dBm--20 dBm -30 dBm 40 dBm -50 dBm WAN الهاريه -60 dBm -70 dBm

Date: 21.MAR.2018 16:06:06

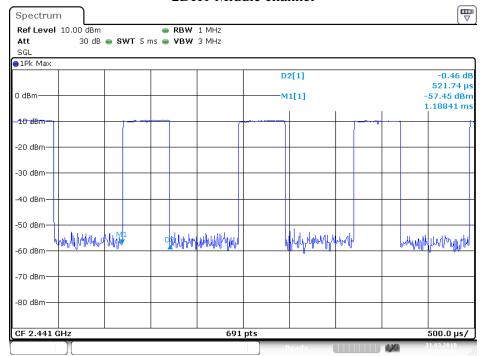
-80 dBm

CF 2.441 GHz

\prod /4-DQPSK

2DH1 Middle channel

691 pts



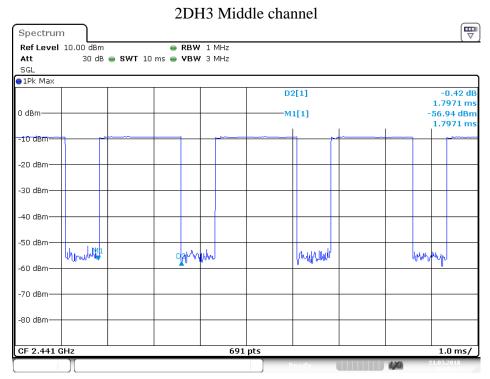
Date: 21.MAR.2018 16:07:27

1.5 ms/

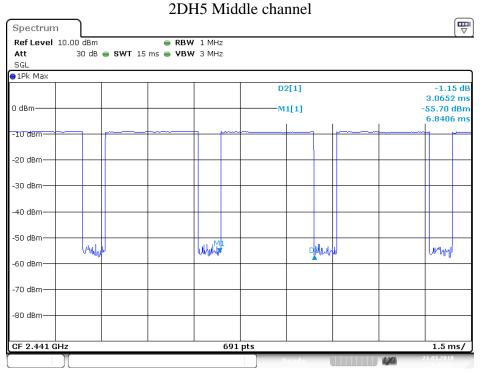




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Date: 21.MAR.2018 16:08:24

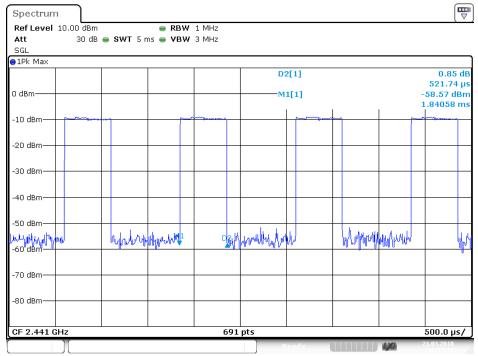


Date: 21.MAR.2018 16:10:58



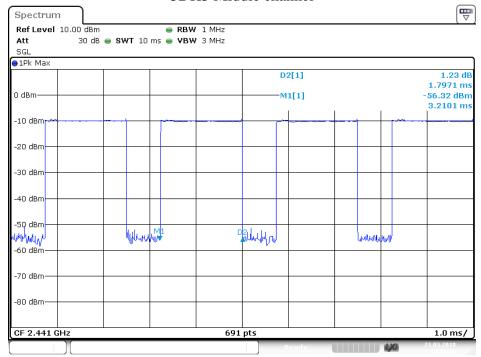
8DPSK

3DH1 Middle channel



Date: 21.MAR.2018 16:12:18

3DH3 Middle channel

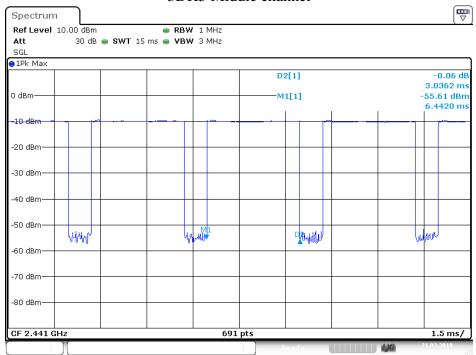


Date: 21.MAR.2018 16:17:18



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3DH5 Middle channel



Date: 21.MAR.2018 16:18:55



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9. MAXIMUM PEAK OUTPUT POWER TEST

9.1.Block Diagram of Test Setup



(EUT: Sports Bluetooth Earphone)

9.2. The Requirement For Section 15.247(b)(1)

Section 15.247(b)(1): For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

9.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

9.4. Operating Condition of EUT

- 9.4.1. Setup the EUT and simulator as shown as Section 9.1.
- 9.4.2. Turn on the power of all equipment.
- 9.4.3.Let the EUT work in TX (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

9.5.Test Procedure

- 9.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 9.5.2.Set RBW of spectrum analyzer to 3MHz and VBW to 3MHz.
- 9.5.3. Measurement the maximum peak output power.



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9.6.Test Result

Test Lab: Shielding room Test Engineer: Star

GFSK Mode

| OI DIL MOGE | | | |
|-------------|-----------------|---------------------------|-------------------|
| Channel | Frequency (MHz) | Peak Output Power (dBm/W) | Limits dBm / W |
| Low | 2402 | -4.28/0.0004 | 21 / 0.125 |
| Middle | 2441 | -4.17/0.0004 | 21 / 0.125 |
| High | 2480 | -4.48/0.0004 | 21 / 0.125 |

Π /4-DQPSK Mode

| Channel | Frequency (MHz) | Peak Output Power (dBm/W) | Limits dBm / W |
|---------|-----------------|---------------------------|-------------------|
| Low | 2402 | -5.17/0.0003 | 21 / 0.125 |
| Middle | 2441 | -4.88/0.0003 | 21 / 0.125 |
| High | 2480 | -4.70/0.0003 | 21 / 0.125 |

8DPSK

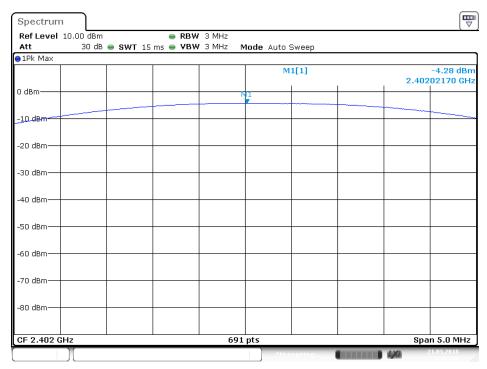
| Channel | Frequency (MHz) | Peak Output Power (dBm/W) | Limits dBm / W |
|---------|-----------------|---------------------------|-------------------|
| Low | 2402 | -4.73/0.0003 | 21 / 0.125 |
| Middle | 2441 | -4.67/0.0003 | 21 / 0.125 |
| High | 2480 | -4.74/0.0003 | 21 / 0.125 |

The spectrum analyzer plots are attached as below.



GFSK Mode

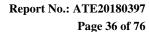
Low channel



Date: 21.MAR.2018 16:33:03

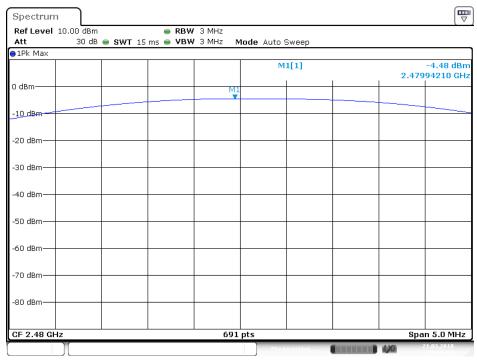
Middle channel Spectrum Ref Level 10.00 dBm Mode Auto Sweep Att ●1Pk Max -4.17 dBm 2.44096380 GHz M1[1] 0 dBm--10 dBm -20 dBm -30 dBm-40 dBm--50 dBm -60 dBm--70 dBm Span 5.0 MHz CF 2.441 GHz 691 pts

Date: 21.MAR.2018 16:34:05





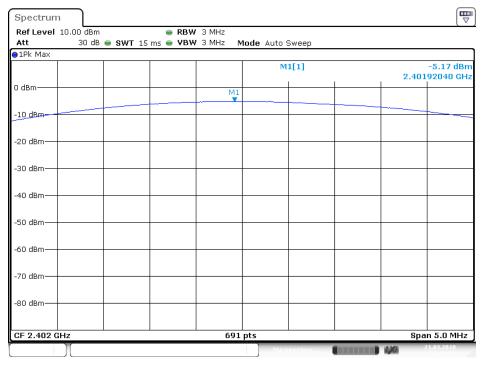
High channel



Date: 21.MAR.2018 16:35:07

∏/4-DQPSK Mode

Low channel

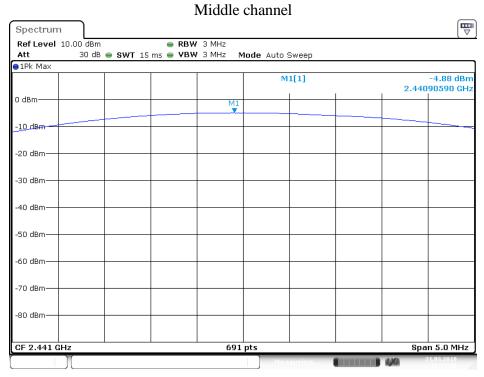


Date: 21.MAR.2018 16:31:59



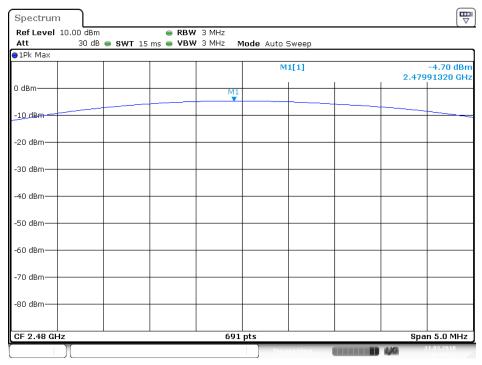


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Date: 21.MAR.2018 16:28:26

High channel



Date: 21.MAR.2018 16:30:22

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8DPSK Mode

Low channel Spectrum Ref Level 10.00 dBm Att Mode Auto Sweep ●1Pk Max -4.73 dBn 2.40185530 GH M1[1] 0 dBm--10 dBm -20 dBm--30 dBm -50 dBm -60 dBm

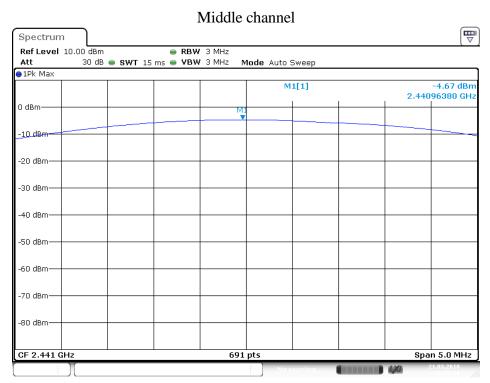
691 pts

Date: 21.MAR.2018 16:39:40

-70 dBm

-80 dBm

CF 2.402 GHz

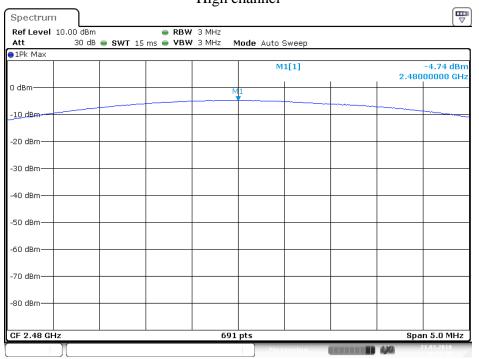


Date: 21.MAR.2018 16:38:16

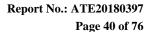
Span 5.0 MHz



High channel



Date: 21.MAR.2018 16:36:59

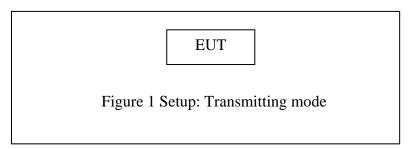




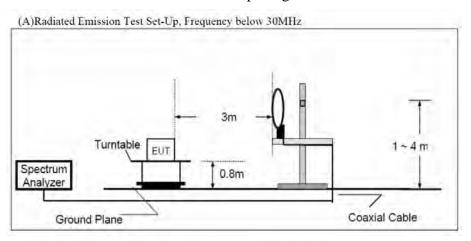
10. RADIATED EMISSION TEST

10.1.Block Diagram of Test Setup

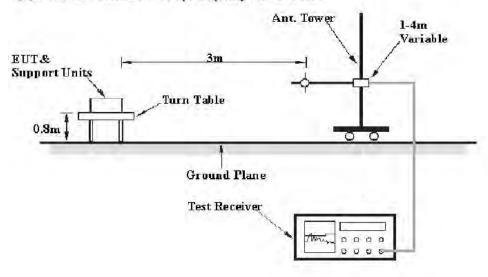
10.1.1.Block diagram of connection between the EUT and peripherals



10.1.2.Semi-Anechoic Chamber Test Setup Diagram

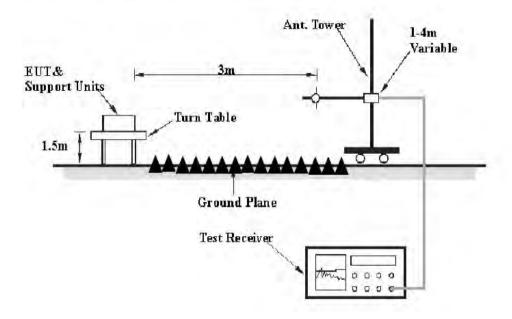


(B)Radiated Emission Test Set-Up, Frequency 30MHz-1GHz





(C) Radiated Emission Test Set-Up. Frequency above 1GHz



10.2. The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).



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10.3.Restricted bands of operation

10.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|--------------------------|---------------------|---------------|---------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| ¹ 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | $\binom{2}{}$ |
| 13.36-13.41 | | | |

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

10.4. Configuration of EUT on Measurement

The equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

²Above 38.6



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10.5. Operating Condition of EUT

10.5.1. Setup the EUT and simulator as shown as Section 10.1.

10.5.2. Turn on the power of all equipment.

10.5.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

10.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. This EUT was tested in 3 orthogonal positions and the worst case position data was reported.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.



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10.7.Data Sample

| Frequency | Reading | Factor | Result | Limit | Margin | Remark |
|-----------|---------|--------|----------|----------|--------|--------|
| (MHz) | (dBµv) | (dB/m) | (dBµv/m) | (dBµv/m) | (dB) | |
| X.XX | 48.69 | -13.35 | 35.34 | 46 | -10.66 | QP |

Frequency(MHz) = Emission frequency in MHz

Reading($dB\mu v$) = Uncorrected Analyzer/Receiver reading

Factor (dB/m) = Antenna factor + Cable Loss - Amplifier gain

Result($dB\mu v/m$) = Reading($dB\mu v$) + Factor(dB/m)

Limit $(dB\mu v/m) = Limit$ stated in standard

Margin (dB) = Result(dB μ v/m) - Limit (dB μ v/m)

QP = Quasi-peak Reading

Calculation Formula:

 $Margin(dB) = Result \; (dB\mu V/m) - Limit(dB\mu V/m)$

Result($dB\mu V/m$)= Reading($dB\mu V$)+ Factor(dB/m)

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

10.8. The Field Strength of Radiation Emission Measurement Results

PASS.

Test Lab: 3m Anechoic chamber

Test Engineer: Star

Note: 1.We tested GFSK mode, $\Pi/4$ -DQPSK & 8DPSK Mode and recorded the worst case data (GFSK mode) for all test mode.

2. Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 3th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured. The measurements greater than 20dB below the limit from 9kHz to 30MHz and 18 to 26.5GHz.

The spectrum analyzer plots are attached as below.



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Below 1GHz



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Job No.: STAR2018 #91

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Sports Bluetooth Earphone

Mode: TX 2402MHz (GFSK)

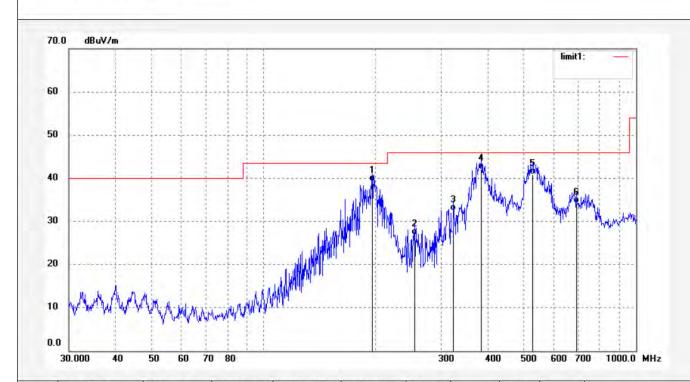
Model: MEE audio X6 Manufacturer: S2E, Inc.

Polarization: Horizontal Power Source: DC 3.7V

Date: 18/03/23/ Time: 13/59/58

Engineer Signature: star

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|----------------|-----------------|-------------------|----------------|----------|-------------|------------------|--------|--|
| 1 | 195.8701 | 58.25 | -18.93 | 39.32 | 43.50 | -4.18 | QP | | | | |
| 2 | 254.9252 | 44.78 | -17.90 | 26.88 | 46.00 | -19.12 | QP | | 1 | | |
| 3 | 323.7250 | 48.05 | -15.64 | 32.41 | 46.00 | -13.59 | QP | | | | |
| 4 | 384.5446 | 56.24 | -14.13 | 42.11 | 46.00 | -3.89 | QP | | | | |
| 5 | 527.5706 | 52.47 | -11.61 | 40.86 | 46.00 | -5.14 | QP | | 1- 1- | | |
| 6 | 691.4763 | 42.40 | -8.13 | 34.27 | 46.00 | -11.73 | QP | | | | |



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Job No.: STAR2018 #92

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Sports Bluetooth Earphone

Mode: TX 2402MHz (GFSK)

Model: MEE audio X6 Manufacturer: S2E, Inc.

Note: Report No.:ATE20180397

Polarization: Vertical

Power Source: DC 3.7V

Date: 18/03/23/ Time: 14/01/09

Engineer Signature: star

Distance: 3m

| | | | | limit1: |
|----|---|------------|--|-----------|
| 60 | | | | |
| 50 | | ļ | | |
| 10 | | | 14 An | |
| 30 | 110 | 1 2 0 1 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | W Married |
| 20 | Carle Mary Market Mary Mary Mary Mary Mary Mary Mary Mary | Mallon Jaw | | |

| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|----------------|-----------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 195.1830 | 49.55 | -18.96 | 30.59 | 43.50 | -12.91 | QP | | | |
| 2 | 204.3052 | 49.00 | -18.54 | 30.46 | 43.50 | -13.04 | QP | | | |
| 3 | 353.4471 | 44.00 | -14.50 | 29.50 | 46.00 | -16.50 | QP | | | |
| 4 | 392.7375 | 52.06 | -14.05 | 38.01 | 46.00 | -7.99 | QP | | | |
| 5 | 522.0389 | 48.24 | -11.73 | 36.51 | 46.00 | -9.49 | QP | | | |
| 6 | 686.6341 | 39.10 | -8.20 | 30.90 | 46.00 | -15.10 | QP | | | |

300

400

70 80

60

30.000

600 700

1000.0 MHz



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Job No.: STAR2018 #94

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Sports Bluetooth Earphone

Mode: TX 2441MHz (GFSK)

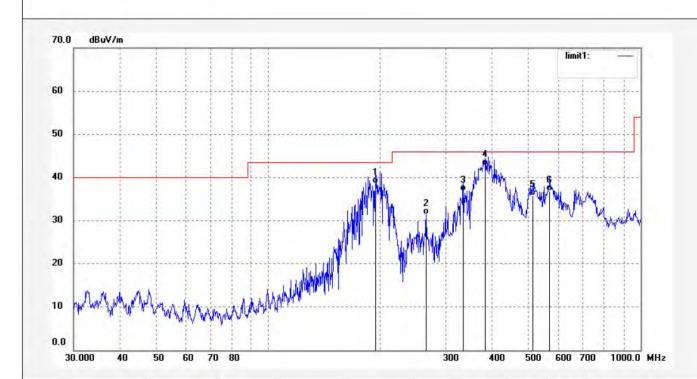
Model: MEE audio X6 Manufacturer: S2E, Inc. Polarization: Horizontal

Power Source: DC 3.7V

Date: 18/03/23/ Time: 14/03/21

Engineer Signature: star

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|-------------|-----------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 193.8163 | 57.66 | -19.08 | 38.58 | 43.50 | -4.92 | QP | | | |
| 2 | 265.9035 | 48.68 | -17.25 | 31.43 | 46.00 | -14.57 | QP | | | |
| 3 | 334.1255 | 52.06 | -15.16 | 36.90 | 46.00 | -9.10 | QP | | | |
| 4 | 381.8520 | 56.96 | -14.14 | 42.82 | 46.00 | -3.18 | QP | | | |
| 5 | 514.7533 | 47.74 | -11.90 | 35.84 | 46.00 | -10.16 | QP | | . 11 | |
| 6 | 569.9688 | 47.42 | -10.62 | 36.80 | 46.00 | -9.20 | QP | | | |



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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: STAR2018 #93

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Sports Bluetooth Earphone

Mode: TX 2441MHz (GFSK)

Model: MEE audio X6 Manufacturer: S2E, Inc.

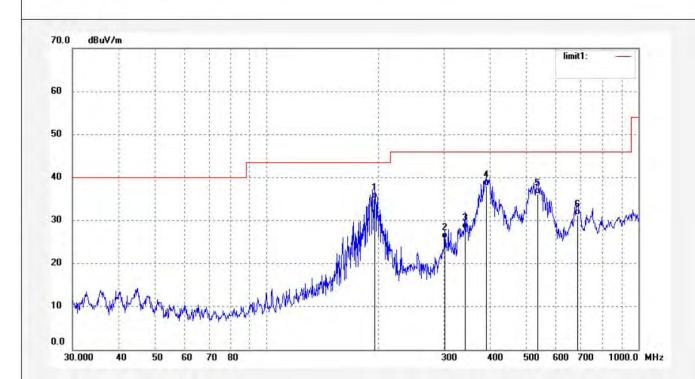
Polarization: Vertical

Power Source: DC 3.7V

Date: 18/03/23/ Time: 14/02/15

Engineer Signature: star

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|----------------|-----------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 195.1830 | 53.97 | -18.96 | 35.01 | 43.50 | -8.49 | QP | | | |
| 2 | 301.7572 | 42.00 | -16.25 | 25.75 | 46.00 | -20.25 | QP | | | |
| 3 | 341.2441 | 43.00 | -14.97 | 28.03 | 46.00 | -17.97 | QP | | | |
| 4 | 389.9873 | 52.14 | -14.09 | 38.05 | 46.00 | -7.95 | QP | | | |
| 5 | 536.9208 | 47.55 | -11.39 | 36.16 | 46.00 | -9.84 | QP | | | |
| 6 | 686.6341 | 39.42 | -8.20 | 31.22 | 46.00 | -14.78 | QP | | | |



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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: STAR2018 #95

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Sports Bluetooth Earphone

Report No.:ATE20180397

Mode: TX 2480MHz (GFSK)

Model: MEE audio X6 Manufacturer: S2E, Inc.

Note:

Polarization: Horizontal

Power Source: DC 3.7V

Date: 18/03/23/ Time: 14/04/28

Engineer Signature: star

Distance: 3m

| '0.0 dE | 3uV/m | | | | | | | | | | |
|---------|-------|-----|---|---|-----|----|---|---|-------|----------|--|
| | | 1 | 1 | 1 | 1.2 | Ų. | 1 | 1 | | limit1: | |
| | 3 | | | | 0 | į. | 1 | 4 | P. 30 | 20000000 | |
| | 4 | 1.0 | | 1 | 1 | 1 | 1 | 1 | | | |

| | | | | | | | | | | | limit1: | _ |
|-----|----------------|-----|---------|---------|------------|---|------|----------|----------|---|---------|-----------|
| 60 | | | | | | 1 | | | | | | 1.1 |
| 50 | | | | | | 1 | | | | | | |
| 40 | | | | | di | | | 3 | With the | | L AA | |
| 30 | | | ļļ. | | | | AMAN | | WY | 4 | MV W | Whee more |
| 20 | | | | | | | | 2-9502-9 | | | | |
| 10 | and and and an | MAN | Mythern | المهميم | W/Adahima. | | | -2-2-2- | | | | |
| 0.0 | | 3 | 1 1 | 1 1 | | | 3 | | £ | | 1 1 | 1 1 |

| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 200.0432 | 57.54 | -18.71 | 38.83 | 43.50 | -4.67 | QP | | | |
| 2 | 251.3676 | 49.00 | -18.10 | 30.90 | 46.00 | -15.10 | QP | | | |
| 3 | 332.9534 | 50.26 | -15.22 | 35.04 | 46.00 | -10.96 | QP | | | |
| 4 | 384.5446 | 55.69 | -14.13 | 41.56 | 46.00 | -4.44 | QP | | | |
| 5 | 512.9477 | 49.00 | -11.94 | 37.06 | 46.00 | -8.94 | QP | | | |
| 6 | 586.2172 | 49.57 | -10.23 | 39.34 | 46.00 | -6.66 | QP | | | |



Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

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Polarization: Vertical

Power Source: DC 3.7V

Date: 18/03/23/ Time: 14/05/42

Engineer Signature: star

Distance: 3m

Job No.: STAR2018 #96

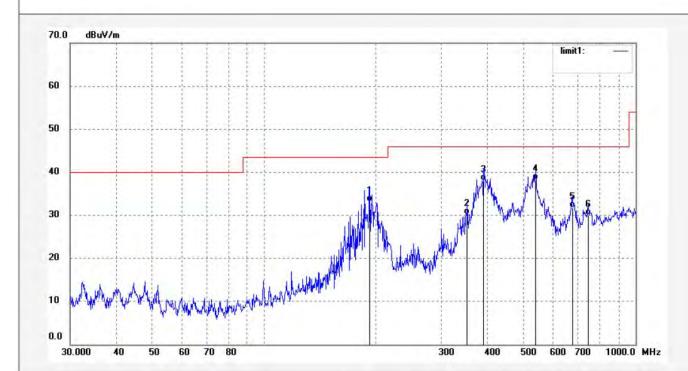
Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Sports Bluetooth Earphone Mode: TX 2480MHz (GFSK)

Model: MEE audio X6
Manufacturer: S2E, Inc.



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 192.4590 | 52.39 | -19.22 | 33.17 | 43.50 | -10.33 | QP | | | |
| 2 | 352.2074 | 44.82 | -14.55 | 30.27 | 46.00 | -15.73 | QP | | | |
| 3 | 389.9873 | 52.11 | -14.09 | 38.02 | 46.00 | -7.98 | QP | | | |
| 4 | 538.8106 | 49.58 | -11.37 | 38.21 | 46.00 | -7.79 | QP | | | |
| 5 | 677.0515 | 40.05 | -8.36 | 31.69 | 46.00 | -14.31 | QP | | | |
| 6 | 747.0465 | 36.78 | -6.82 | 29.96 | 46.00 | -16.04 | QP | | | |



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Above 1GHz



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Job No.: star2018 #8 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT: Sports Bluetooth Earphone

Mode: TX 2402MHz(GFSK)

Model: MFE audio X6

Model: MEE audio X6
Manufacturer: S2E, Inc.

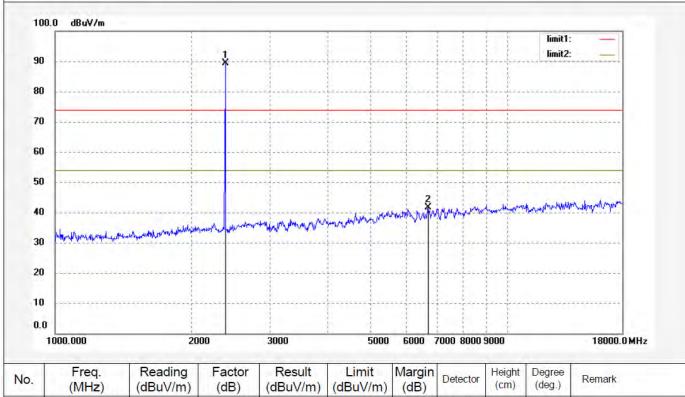
Polarization: Horizontal

Power Source: DC 3.7V

Date: 18/03/23/ Time: 10/18/29

Engineer Signature: star

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|-------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|--|
| 1 | 2402.019 | 97.38 | -8.03 | 89.35 | | | peak | | | | |
| 2 | 6690.695 | 40.46 | 1.28 | 41.74 | 74.00 | -32.26 | peak | | | | |



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Job No.: star2018 #7 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT: Sports Bluetooth Earphone

Mode: TX 2402MHz(GFSK)

Model: MEE audio X6
Manufacturer: S2E, Inc.

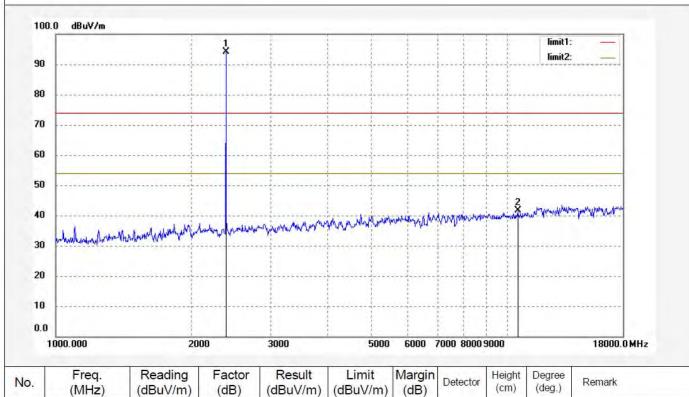
Polarization: Vertical

Power Source: DC 3.7V

Date: 18/03/23/ Time: 10/16/00

Engineer Signature: star

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|--|
| 1 | 2402.019 | 102.13 | -8.03 | 94.10 | 1342 | | peak | | | | |
| 2 | 10535.961 | 36.29 | 5.43 | 41.72 | 74.00 | -32.28 | peak | | | | |



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Job No.: star2018 #9 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT: Sports Bluetooth Earphone

Mode: TX 2441MHz(GFSK)

Model: MEE audio X6
Manufacturer: S2E, Inc.

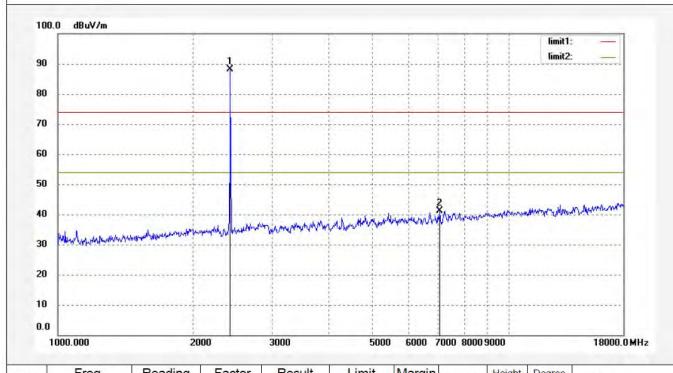
Polarization: Horizontal

Power Source: DC 3.7V

Date: 18/03/23/ Time: 10/20/18

Engineer Signature: star

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|-------------|--------------------|-------|----------------|----------|-------------|------------------|--------|--|
| 1 | 2441.121 | 96.02 | -7.93 | 88.09 | | | peak | | | | |
| 2 | 7050.590 | 39.27 | 1.86 | 41.13 | 74.00 | -32.87 | peak | | | | |



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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

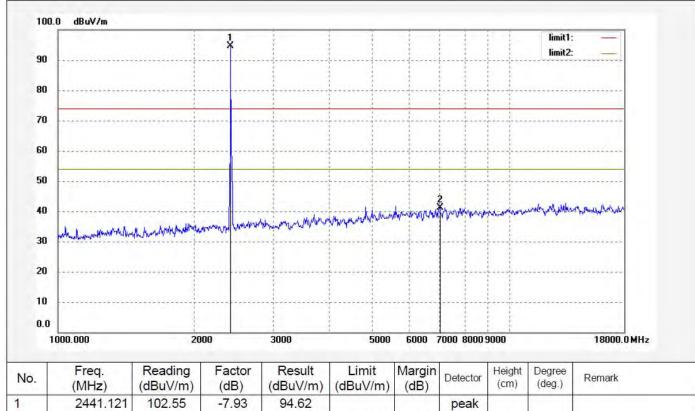
Job No.: star2018 #10 Polarization: Vertical

Standard: FCC PK Power Source: DC 3.7V

Date: 18/03/23/ Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 55 % Time: 10/22/15

EUT: Sports Bluetooth Earphone Engineer Signature: star Mode: TX 2441MHz(GFSK) Distance: 3m

Model: MEE audio X6 Manufacturer: S2E, Inc.



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|-------------|-----------------|-------------------|----------------|----------|-------------|------------------|--------|-----|
| 1 | 2441.121 | 102.55 | -7.93 | 94.62 | | 1777 | peak | | | | - 1 |
| 2 | 7030.097 | 39.42 | 1.83 | 41.25 | 74.00 | -32.75 | peak | | | | |



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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: star2018 #12 Polarization: Horizontal Standard: FCC PK Power Source: DC 3.7V

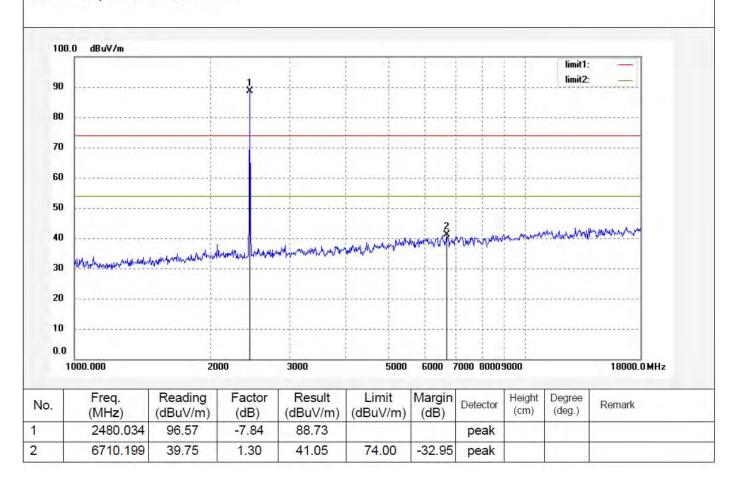
Test item: Radiation Test Date: 18/03/23/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 10/25/59

EUT: Sports Bluetooth Earphone Engineer Signature: star Mode: TX 2480MHz(GFSK) Distance: 3m

Mode: TX 2480MHz(GFSK)

Model: MEE audio X6

Manufacturer: S2E, Inc.





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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: star2018 #11 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Sports Bluetooth Earphone

Mode: TX 2480MHz(GFSK)

Model: MEE audio X6 Manufacturer: S2E, Inc.

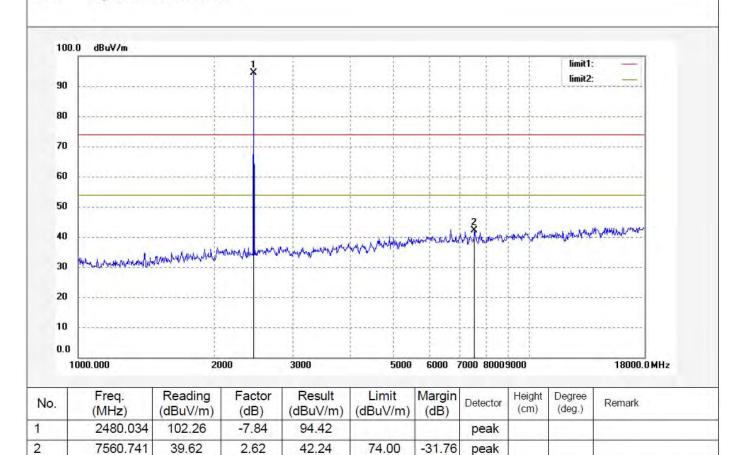
Polarization: Vertical

Power Source: DC 3.7V

Date: 18/03/23/ Time: 10/24/16

Engineer Signature: star

Distance: 3m







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11.BAND EDGE COMPLIANCE TEST

11.1.Block Diagram of Test Setup



(EUT: Sports Bluetooth Earphone)

11.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

11.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.4. Operating Condition of EUT

- 11.4.1. Setup the EUT and simulator as shown as Section 11.1.
- 11.4.2. Turn on the power of all equipment.
- 11.4.3.Let the EUT work in TX (Hopping off, Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2480MHz TX frequency to transmit.



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11.5.Test Procedure

- 11.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 11.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz with convenient frequency span including 100 kHz bandwidth from band edge.
- 11.5.3. The band edges was measured and recorded.

11.6.Test Result

Test Lab: Shielding room Test Engineer: Star

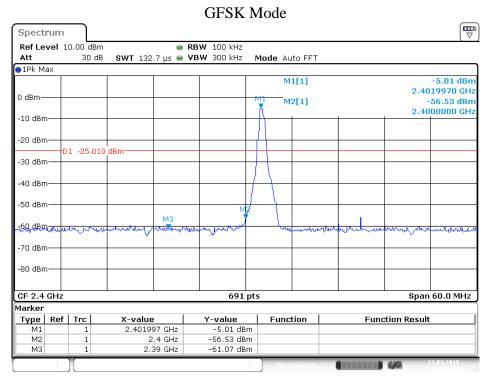
Note: Both hopping-on mode and hopping-off mode had been pre-tested, and only the worst case was recorded in the test report.

| Frequency (MHz) | Result of Band Edge (dBc) | Limit of Band Edge (dBc) |
|-----------------|------------------------------|-----------------------------|
| , | \ / | \ |
| | GFSK Mode | |
| 2400.00 | 51.52 | > 20dBc |
| 2483.50 | 55.26 | > 20dBc |
| | П/4-DQPSK Mode | |
| 2400.00 | 48.87 | > 20dBc |
| 2483.50 | 54.96 | > 20dBc |
| | 8DPSK Mode | |
| 2400.00 | 45.83 | > 20dBc |
| 2483.50 | 55.01 | > 20dBc |

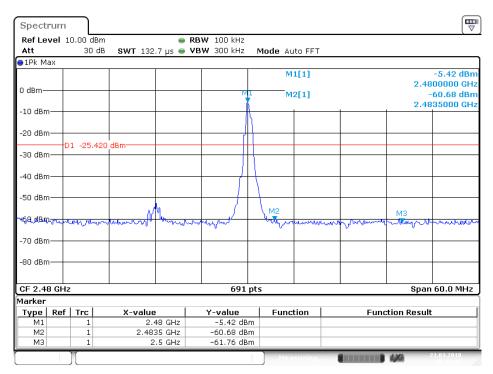
The spectrum analyzer plots are attached as below.



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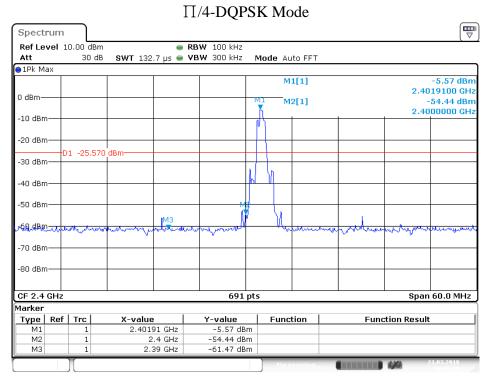
Date: 21.MAR.2018 16:43:19



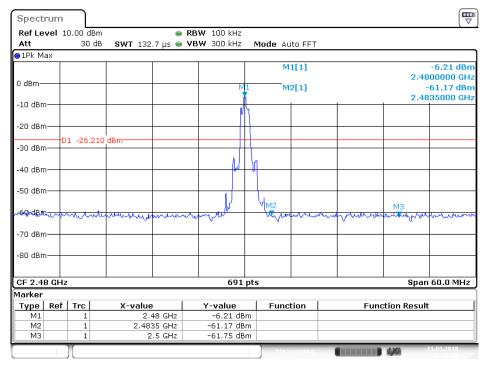
Date: 21.MAR.2018 16:46:09



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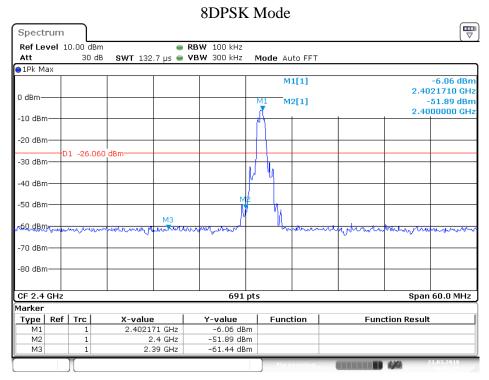
Date: 21.MAR.2018 16:49:39



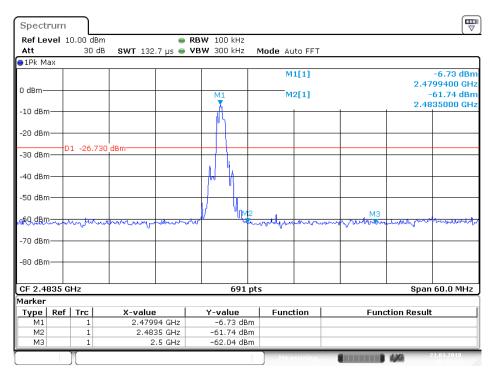
Date: 21.MAR.2018 16:47:45



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Date: 21.MAR.2018 16:53:27



Date: 21.MAR.2018 16:55:23



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Radiated Band Edge Result

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
 - Result = Reading + Corrected Factor
- 3. Display the measurement of peak values.

Test Procedure:

The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

Let the EUT work in TX (Hopping off, Hopping on) modes measure it. We select 2402MHz, 2480MHz TX frequency to transmit(Hopping off mode). We select 2402-2480MHz TX frequency to transmit(Hopping on mode).

During the radiated emission test, the spectrum analyzer was set with the following configurations:

- 1.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
- 3.All modes of operation were investigated and the worst case (GFSK mode) emissions are reported.

Test Lab: 3m Anechoic chamber

Test Engineer: Star

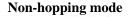


Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

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Polarization: Horizontal

Power Source: DC 3.7V

Date: 18/03/23/ Time: 10/28/51

Engineer Signature: star

Distance: 3m

Job No.: star2018 #13 Standard: FCC PK

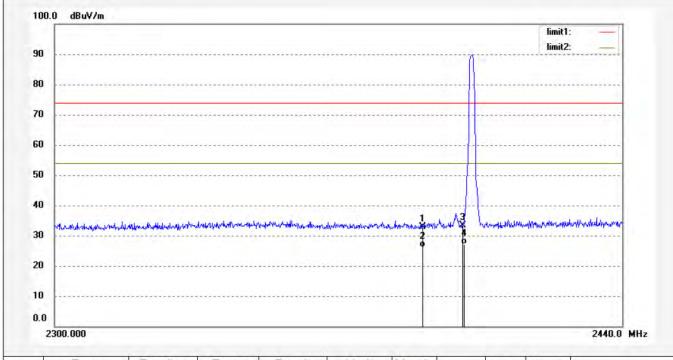
Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Sports Bluetooth Earphone

Mode: TX 2402MHz(GFSK)
Model: MEE audio X6

Manufacturer: S2E, Inc.

Note: Report No.:ATE20180397



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|--|
| 1 | 2390.000 | 40.98 | -8.00 | 32.98 | 74.00 | -41.02 | peak | | | | |
| 2 | 2390.000 | 34.06 | -8.00 | 26.06 | 54.00 | -27.94 | AVG | | | | |
| 3 | 2400.000 | 41.26 | -7.97 | 33.29 | 74.00 | -40.71 | peak | | | | |
| 4 | 2400.000 | 35.14 | -7.97 | 27.17 | 54.00 | -26.83 | AVG | | | | |



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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: star2018 #14 Standard: FCC PK

Power Source: DC 3.7V Date: 18/03/23/

Polarization: Vertical

Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Sports Bluetooth Earphone

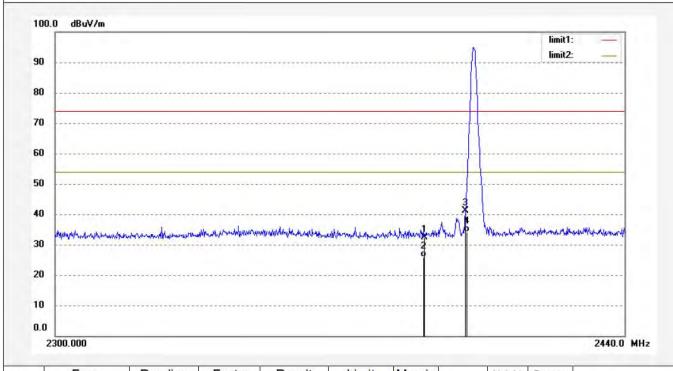
Time: 10/30/06 Engineer Signature: star

Mode: TX 2402MHz(GFSK)

Distance: 3m

Model: MEE audio X6 Manufacturer: S2E, Inc.

Note: Report No.:ATE20180397



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|--|
| 1 | 2390.000 | 40.30 | -8.00 | 32.30 | 74.00 | -41.70 | peak | | | | |
| 2 | 2390.000 | 33.84 | -8.00 | 25.84 | 54.00 | -28.16 | AVG | | | | |
| 3 | 2400.000 | 49.01 | -7.97 | 41.04 | 74.00 | -32.96 | peak | | | | |
| 4 | 2400.000 | 42.10 | -7.97 | 34.13 | 54.00 | -19.87 | AVG | | | | |



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Job No.: star2018 #16 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Sports Bluetooth Earphone

Mode: TX 2480MHz(GFSK)
Model: MEE audio X6
Manufacturer: S2E, Inc.

Polarization: Horizontal

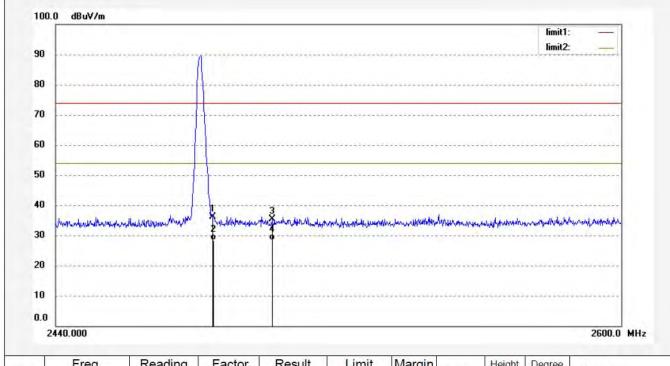
Power Source: DC 3.7V

Date: 18/03/23/ Time: 10/33/16

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20180397



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|----------------|-----------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 2483.500 | 43.91 | -7.76 | 36.15 | 74.00 | -37.85 | peak | | | |
| 2 | 2483.500 | 36.10 | -7.76 | 28.34 | 54.00 | -25.66 | AVG | | | |
| 3 | 2500.000 | 43.17 | -7.71 | 35.46 | 74.00 | -38.54 | peak | | | |
| 4 | 2500.000 | 36.00 | -7.71 | 28.29 | 54.00 | -25.71 | AVG | | | |



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: star2018 #15 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT: Sports Bluetooth Earphone

Mode: TX 2480MHz(GFSK)
Model: MEE audio X6
Manufacturer: S2E, Inc.

Power Source: DC 3.7V

Date: 18/03/23/ Time: 10/32/27

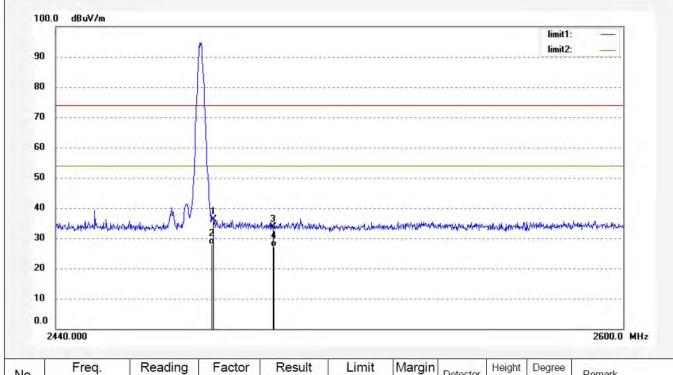
Polarization:

Engineer Signature: star

Vertical

Distance: 3m

Note: Report No.:ATE20180397



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|--|
| 1 | 2483.500 | 43.86 | -7.76 | 36.10 | 74.00 | -37.90 | peak | | | | |
| 2 | 2483.500 | 35.67 | -7.76 | 27.91 | 54.00 | -26.09 | AVG | | | | |
| 3 | 2500.000 | 41.44 | -7.71 | 33.73 | 74.00 | -40.27 | peak | | | 1 | |
| 4 | 2500.000 | 34.95 | -7.71 | 27.24 | 54.00 | -26.76 | AVG | | | | |



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Hopping mode ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: STAR2018 #89 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT:

Mode:

Model: MEE audio X6 Manufacturer: S2E, Inc.

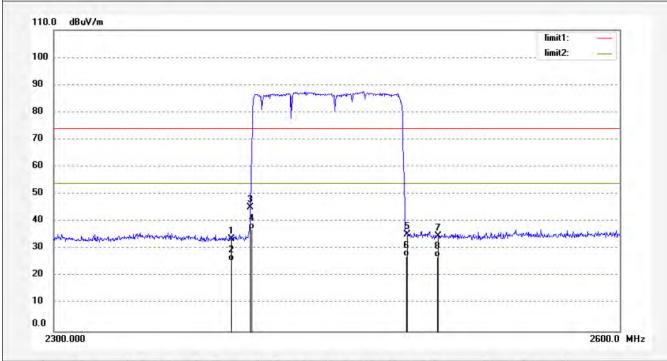
Sports Bluetooth Earphone Hopping (GFSK)

Note: Report No.: ATE20180397 Polarization: Horizontal Power Source: DC 3.7V

Date: 18/03/23/ Time: 13/50/41

Engineer Signature: star

Distance: 3m



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|-------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|--|
| 1 | 2390.000 | 41.64 | -8.00 | 33.64 | 74.00 | -40.36 | peak | 6.71 | | | |
| 2 | 2390.000 | 33.62 | -8.00 | 25.62 | 54.00 | -28.38 | AVG | E 1 | | | |
| 3 | 2400.000 | 53.12 | -7.97 | 45.15 | 74.00 | -28.85 | peak | | | | |
| 4 | 2400.000 | 45.22 | -7.97 | 37.25 | 54.00 | -16.75 | AVG | | | | |
| 5 | 2483.500 | 43.01 | -7.76 | 35.25 | 74.00 | -38.75 | peak | | | | |
| 6 | 2483.500 | 35.01 | -7.76 | 27.25 | 54.00 | -26.75 | AVG | | | | |
| 7 | 2500.000 | 42.59 | -7.71 | 34.88 | 74.00 | -39.12 | peak | | | | |
| 8 | 2500.000 | 34.78 | -7.71 | 27.07 | 54.00 | -26.93 | AVG | | | | |



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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: STAR2018 #90 Polarization: Vertical Power Source: DC 3.7V

> Date: 18/03/23/ Time: 13/53/43

Engineer Signature: star

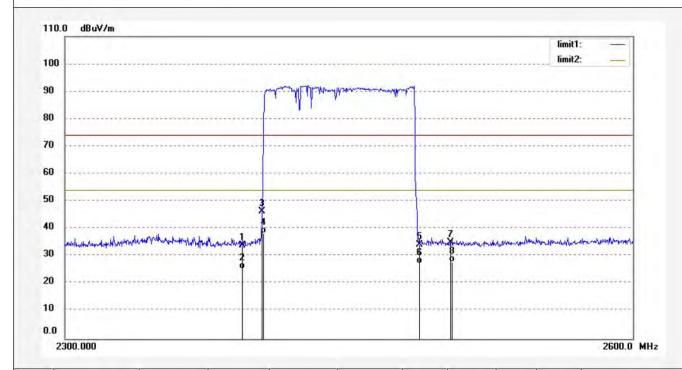
Distance: 3m

Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT: Sports Bluetooth Earphone

Mode: Hopping (GFSK) Model: MEE audio X6 Manufacturer: S2E, Inc.

Note: Report No.:ATE20180397



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark | |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|---|
| 1 | 2390.000 | 41.92 | -8.00 | 33.92 | 74.00 | -40.08 | peak | | | A | |
| 2 | 2390.000 | 33.54 | -8.00 | 25.54 | 54.00 | -28.46 | AVG | | |) / | ī |
| 3 | 2400.000 | 54.36 | -7.97 | 46.39 | 74.00 | -27.61 | peak | | | | ī |
| 4 | 2400.000 | 46.20 | -7.97 | 38.23 | 54.00 | -15.77 | AVG | | | | |
| 5 | 2483.500 | 42.06 | -7.76 | 34.30 | 74.00 | -39.70 | peak | | | | |
| 6 | 2483.500 | 35.03 | -7.76 | 27.27 | 54.00 | -26.73 | AVG | | | | |
| 7 | 2500.000 | 42.67 | -7.71 | 34.96 | 74.00 | -39.04 | peak | | | | ī |
| 8 | 2500.000 | 35.69 | -7.71 | 27.98 | 54.00 | -26.02 | AVG | | | | |

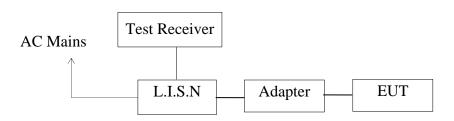


12.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

15 SECTION 15.207(A)

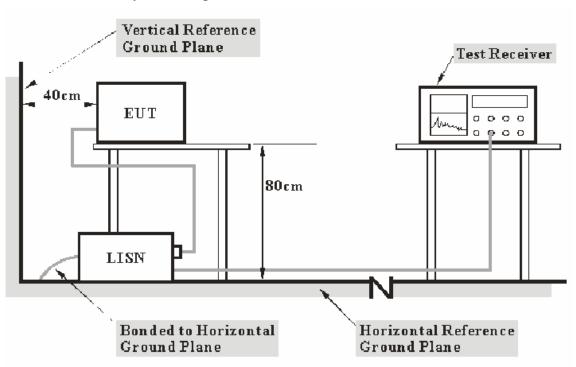
12.1.Block Diagram of Test Setup

12.1.1.Block diagram of connection between the EUT and simulators



(EUT: Sports Bluetooth Earphone)

12.1.2.Test System Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMIN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.





12.2. Power Line Conducted Emission Measurement Limits

| Frequency | Limit d | $B(\mu V)$ |
|--------------|------------------|---------------|
| (MHz) | Quasi-peak Level | Average Level |
| 0.15 - 0.50 | 66.0 – 56.0 * | 56.0 – 46.0 * |
| 0.50 - 5.00 | 56.0 | 46.0 |
| 5.00 - 30.00 | 60.0 | 50.0 |

NOTE1: The lower limit shall apply at the transition frequencies.

NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

12.3. Configuration of EUT on Measurement

The equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

12.4. Operating Condition of EUT

- 12.4.1. Setup the EUT and simulator as shown as Section 12.1.
- 12.4.2. Turn on the power of all equipment.
- 12.4.3.Let the EUT work in test mode and measure it.

12.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

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

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12.6.Data Sample

| Frequency | Transducer | QuasiPeak | Average | QuasiPeak | Average | QuasiPeak | Average | Remark |
|-----------|------------|-----------|---------|-------------|---------|-----------|---------|-------------|
| (MHz) | value | Level | Level | Limit | Limit | Margin | Margin | (Pass/Fail) |
| | (dB) | (dBµV) | (dBµV) | $(dB\mu V)$ | (dBµV) | (dB) | (dB) | |
| X.XX | 10.5 | 51.1 | 34.2 | 56.0 | 46.0 | 4.9 | 11.8 | Pass |

Frequency(MHz) = Emission frequency in MHz Transducer value(dB) = Insertion loss of LISN + Cable Loss Level(dB μ V) = Quasi-peak Reading/Average Reading + Transducer value Limit (dB μ V) = Limit stated in standard Margin = Limit (dB μ V) - Level (dB μ V)

Calculation Formula:

Margin = Limit ($dB\mu V$) - Level ($dB\mu V$)

12.7. Power Line Conducted Emission Measurement Results

PASS.

Test Lab: Shielding room Test Engineer: Star

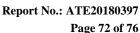
The frequency range from 150kHz to 30MHz is checked.

Maximizing procedure was performed on the six (6) highest emissions of the EUT. Emissions attenuated more than 20 dB below the permissible value are not reported.

All data was recorded in the Quasi-peak and average detection mode.

The spectral diagrams are attached as below.







ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15C

Sports Bluetooth Earphone M/N:MEE audio X6 EUT:

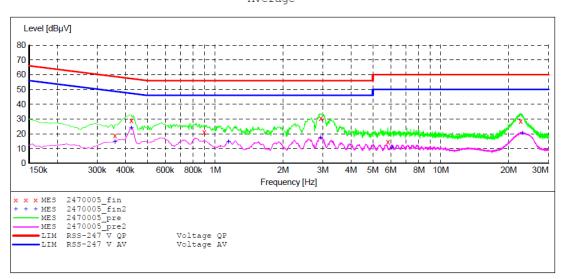
Manufacturer: S2E, Inc.

Operating Condition: BT Communication Test Site: 1#Shielding Room Operator: star

Test Specification: N 120V/60Hz

Report No.:ATE20180397 Comment: 3/24/2018 / 5:17:19PM Start of Test:

SCAN TABLE: "V 9K-30MHz fin"
Short Description: SU _SUB_STD_VTERM2 1.70 Stop Step Start Detector Meas. ΙF Transducer Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz Time Bandw. 200 Hz NSLK8126 2008 QuasiPeak 1.0 s Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008 Average

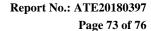


MEASUREMENT RESULT: "2470005 fin"

| 3/24/2018 5 Frequency MHz | y Level | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---------------------------------|---------|--------------|---------------|--------------|----------|------|-----|
| 0.360000 | 18.80 | 10.6 | 59 | 39.9 | QP | N | GND |
| 0.425000 | 28.80 | 10.7 | 57 | 28.5 | QP | N | GND |
| 0.895000 | 21.20 | 10.8 | 56 | 34.8 | QP | N | GND |
| 2.940000 | 30.50 | 11.1 | 56 | 25.5 | QP | N | GND |
| 5.830000 | 14.60 | 11.2 | 60 | 45.4 | QP | N | GND |
| 22.585000 | 28.70 | 11.4 | 60 | 31.3 | QP | N | GND |

MEASUREMENT RESULT: "2470005 fin2"

| 3/24/2018 5: Frequency MHz | | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|----------------------------------|-------|--------------|---------------|--------------|----------|------|-----|
| 0.360000 | 14.50 | 10.6 | 49 | 34.2 | AV | N | GND |
| 0.425000 | 24.00 | 10.7 | 47 | 23.3 | AV | N | GND |
| 1.145000 | 14.40 | 10.9 | 46 | 31.6 | AV | N | GND |
| 2.930000 | 17.30 | 11.1 | 46 | 28.7 | AV | N | GND |
| 6.070000 | 10.70 | 11.2 | 50 | 39.3 | AV | N | GND |
| 23,020000 | 20.20 | 11.4 | 50 | 29.8 | AV | N | GND |





ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15C

EUT: Sports Bluetooth Earphone M/N:MEE audio X6

SZE, Inc. Manufacturer:

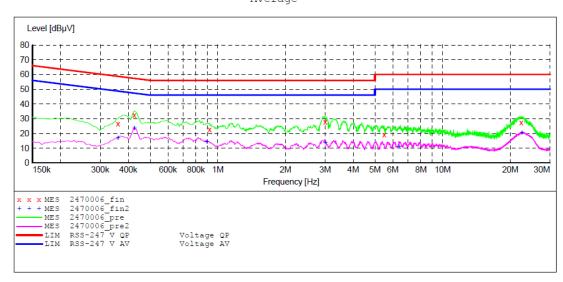
Operating Condition: BT Communication Test Site: 1#Shielding Room Operator: star

Test Specification: L 120V/60Hz

Report No.:ATE20180397 Comment: 3/24/2018 / 5:21:20PM Start of Test:

SCAN TABLE: "V 9K-30MHz fin"

__SUB_STD_VTERM2 1.70 Short Description: Start Stop Step Detector Meas. ΙF Transducer Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz Time Bandw. QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008 Average



MEASUREMENT RESULT: "2470006 fin"

| 3, | /24/2018 5:2 Frequency MHz | | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|----|----------------------------------|-------|--------------|---------------|--------------|----------|------|-----|
| | 0.360000 | 26.60 | 10.6 | 59 | 32.1 | QP | L1 | GND |
| | 0.425000 | 32.60 | 10.7 | 57 | 24.7 | QP | L1 | GND |
| | 0.920000 | 22.50 | 10.8 | 56 | 33.5 | QP | L1 | GND |
| | 3.000000 | 27.70 | 11.1 | 56 | 28.3 | QP | L1 | GND |
| | 5.490000 | 19.40 | 11.2 | 60 | 40.6 | QP | L1 | GND |
| | 22 360000 | 27 30 | 11 4 | 60 | 32 7 | OP | T.1 | GND |

MEASUREMENT RESULT: "2470006 fin2"

| 3/24/2018 5:2 Frequency MHz | 24PM Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|-----------------------------------|-----------------------|--------------|---------------|--------------|----------|------|-----|
| 0.360000 | 16.80 | 10.6 | 49 | 31.9 | AV | L1 | GND |
| 0.425000 | 23.30 | 10.7 | 47 | 24.0 | AV | L1 | GND |
| 0.895000 | 14.10 | 10.8 | 46 | 31.9 | AV | L1 | GND |
| 3.000000 | 13.60 | 11.1 | 46 | 32.4 | AV | L1 | GND |
| 6.390000 | 11.10 | 11.2 | 50 | 38.9 | AV | L1 | GND |
| 22.540000 | 20.20 | 11.4 | 50 | 29.8 | AV | L1 | GND |





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ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15C

Sports Bluetooth Earphone M/N:MEE audio X6 EUT:

SZE, Inc. Manufacturer:

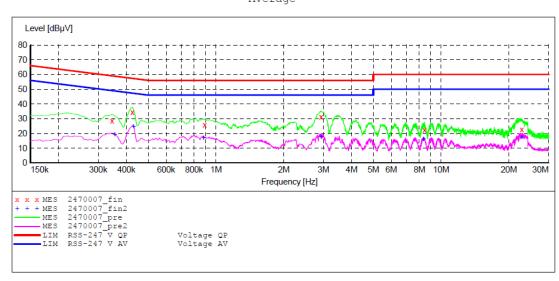
Operating Condition: BT Communication Test Site: 1#Shielding Room Operator: star

Test Specification: L 240V/60Hz

Report No.:ATE20180397 Comment: 3/24/2018 / 5:25:34PM Start of Test:

SCAN TABLE: "V 9K-30MHz fin"

__SUB_STD_VTERM2 1.70 Short Description: Start Stop Step Detector Meas. ΙF Transducer Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz Time Bandw. QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008 Average



MEASUREMENT RESULT: "2470007 fin"

| 3/24/2018 5:2 Frequency MHz | 9PM Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|-----------------------------------|----------------------|--------------|---------------|--------------|----------|------|-----|
| 0.345000 | 28.70 | 10.6 | 59 | 30.4 | QP | L1 | GND |
| 0.425000 | 34.40 | 10.7 | 57 | 22.9 | QP | L1 | GND |
| 0.890000 | 25.70 | 10.8 | 56 | 30.3 | QP | L1 | GND |
| 2.930000 | 31.40 | 11.1 | 56 | 24.6 | QP | L1 | GND |
| 8.420000 | 22.40 | 11.3 | 60 | 37.6 | QP | L1 | GND |
| 22.780000 | 22.60 | 11.4 | 60 | 37.4 | OP | T.1 | GND |

MEASUREMENT RESULT: "2470007 fin2"

| 3/24/2018 5: Frequency MHz | 29PM Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|----------------------------------|-----------------------|--------------|---------------|--------------|----------|------|-----|
| 0.355000 | 19.10 | 10.6 | 49 | 29.7 | AV | L1 | GND |
| 0.430000 | 24.80 | 10.7 | 47 | 22.5 | AV | L1 | GND |
| 0.880000 | 16.90 | 10.8 | 46 | 29.1 | AV | L1 | GND |
| 2.920000 | 17.80 | 11.1 | 46 | 28.2 | AV | L1 | GND |
| 8.340000 | 15.90 | 11.3 | 50 | 34.1 | AV | L1 | GND |
| 22.825000 | 17.10 | 11.4 | 50 | 32.9 | AV | L1 | GND |





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ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15C

EUT: Sports Bluetooth Earphone M/N:MEE audio X6

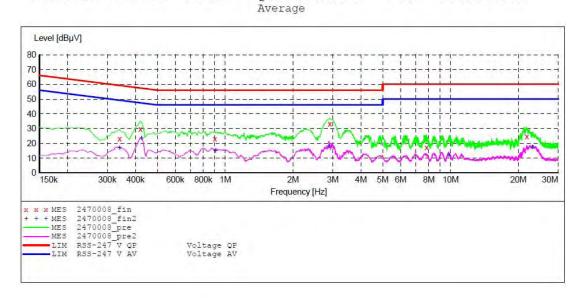
Manufacturer: S2E, Inc.

Operating Condition: BT Communication Test Site: 1#Shielding Room

Operator: star

Test Specification: N 240V/60Hz Report No.:ATE20180397 3/24/2018 / 5:29:37PM Comment: Start of Test:

SCAN TABLE: "V 9K-30MHz fin"
Short Description: SU _SUB_STD_VTERM2 1.70 Step Start Stop IF Detector Meas. Transducer Bandw. Frequency Frequency Width Time 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008



MEASUREMENT RESULT: "2470008 fin"

| 3/2 | 24/2018 5:3 | 8PM | | | | | | |
|-----|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| | Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
| | 0.340000 | 22.90 | 10.6 | 59 | 36.3 | QP | N | GND |
| | 0.420000 | 29.70 | 10.7 | 57 | 27.7 | QP | N | GND |
| | 0.900000 | 22.90 | 10.8 | 56 | 33.1 | QP | N | GND |
| | 2.910000 | 33.40 | 11.0 | 56 | 22.6 | QP | N | GND |
| | 7.820000 | 17.30 | 11.2 | 60 | 42.7 | QP | N | GND |
| | 21.775000 | 24.70 | 11.4 | 60 | 35.3 | OP | N | GND |

MEASUREMENT RESULT: "2470008 fin2"

| 3/24/2018 5: | 38PM | | | | | | |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
| 0.340000 | 16.70 | 10.6 | 49 | 32.5 | AV | N | GND |
| 0.425000 | 23.30 | 10.7 | 47 | 24.0 | AV | N | GND |
| 0.905000 | 15.00 | 10.8 | 46 | 31.0 | AV | N | GND |
| 2.890000 | 18.00 | 11.0 | 46 | 28.0 | AV | N | GND |
| 9.830000 | 11.80 | 11.3 | 50 | 38.2 | AV | N | GND |
| 23.095000 | 17.20 | 11.4 | 50 | 32.8 | AV | N | GND |



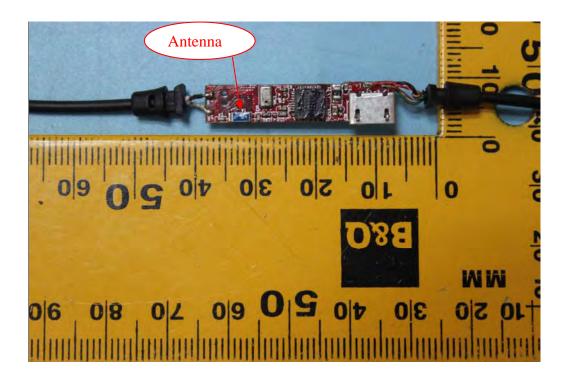
13.ANTENNA REQUIREMENT

13.1.The Requirement

According to 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.

13.2.Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Max Antenna gain of EUT is 2.64dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



***** End of Test Report *****