

# FCC Report (Bluetooth)

| Product Name           | : | Motorcycle Intercom Headset                |
|------------------------|---|--|
| Trade mark             | : | N/A  |
| Mode No.               | : | WT002                                      |
| FCC ID:                | : | 2ASHNWT002                                 |
| Report Number          | : | BLA-EMC-201901-A31-01                      |
| Date of sample receipt | : | January 25, 2019                           |
| Date of Test:          | : | January 25, 2019–February 25, 2019         |
| Date of Issue          | : | February 28, 2019                          |
| Test standard          | : | FCC CFR Title 47 Part 15 Subpart C Section |
|                        |   | 15.247                                     |
| Test result            | : | PASS                                       |

Prepared for:

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Prepared by:

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Compiled by: Joon M Approved by: Emen - G

Sweet licen Review by: Date: Februa



# 2 Version

| Version No. | Date              | Description |
|-------------|-------------------|-------------|
| 00          | February 28, 2019 | Original    |
|             |                   |             |
|             |                   |             |
|             |                   |             |
|             |                   |             |

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# 4 Test Summary

| Test Item                                  | Section in CFR 47 | Result |
|--|-------------------|--------|
| Antenna Requirement                        | 15.203/15.247 (c) | Pass   |
| AC Power Line Conducted Emission           | 15.207            | Pass   |
| Conducted Peak Output Power                | 15.247 (b)(1)     | Pass   |
| 20dB Occupied Bandwidth                    | 15.247 (a)(1)     | Pass   |
| Carrier Frequencies Separation             | 15.247 (a)(1)     | Pass   |
| Hopping Channel Number                     | 15.247 (a)(iii)   | Pass   |
| Dwell Time                                 | 15.247 (a)(iii)   | Pass   |
| Pseudorandom Frequency Hopping<br>Sequence | 15.247(a)(1)      | Pass   |
| Radiated Emission                          | 15.205/15.209     | Pass   |
| Band Edge                                  | 15.247(d)         | Pass   |

Pass: The EUT complies with the essential requirements in the standard.

Remark: Test according ANSI C63.10:2013

#### **Measurement Uncertainty**

| Test Item                           | Frequency Range | Measurement Uncertainty | Notes |
|-------------------------------------|-----------------|-------------------------|-------|
| Radiated Emission                   | 9kHz ~ 30MHz    | ± 4.34dB                | (1)   |
| Radiated Emission                   | 30MHz ~ 1000MHz | ± 4.24dB                | (1)   |
| Radiated Emission                   | 1GHz ~ 26.5GHz  | ± 4.68dB                | (1)   |
| AC Power Line Conducted<br>Emission | 0.15MHz ~ 30MHz | ± 3.45dB                | (1)   |

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

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# **5** General Information

# 5.1 General Description of EUT

| •                    |   |
|----------------------|---|
| Product Name:        | Motorcycle Intercom Headset   |
| Model No.:           | WT002   |
| Test Model No:       | WT002   |
|                      | are identical in the same PCB layout, interior structure and electrical circuits name for commercial purpose. |
| Serial No.:          | 96080205  |
| Sample(s) Status     | Engineer sample   |
| Hardware:            | HBIH002   |
| Software:            | V1.1  |
| Operation Frequency: | 2402MHz-2480MHz   |
| Channel numbers:     | 79  |
| Channel separation:  | 1MHz  |
| Modulation type:     | GFSK, π/4-DQPSK, 8-DPSK   |
| Antenna Type:        | Ceramic chip antenna  |
| Antenna gain:        | 3.19dBi   |
| Power supply:        | DC 3.7V   |
|                      |   |

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| Operation Frequency each of channel |           |         |           |         |           |         |           |  |
|-------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|--|
| Channel                             | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |  |
| 1                                   | 2402MHz   | 21      | 2422MHz   | 41      | 2442MHz   | 61      | 2462MHz   |  |
| 2                                   | 2403MHz   | 22      | 2423MHz   | 42      | 2443MHz   | 62      | 2463MHz   |  |
| 3                                   | 2404MHz   | 23      | 2424MHz   | 43      | 2444MHz   | 63      | 2464MHz   |  |
| 4                                   | 2405MHz   | 24      | 2425MHz   | 44      | 2445MHz   | 64      | 2465MHz   |  |
| 5                                   | 2406MHz   | 25      | 2426MHz   | 45      | 2446MHz   | 65      | 2466MHz   |  |
| 6                                   | 2407MHz   | 26      | 2427MHz   | 46      | 2447MHz   | 66      | 2467MHz   |  |
| 7                                   | 2408MHz   | 27      | 2428MHz   | 47      | 2448MHz   | 67      | 2468MHz   |  |
| 8                                   | 2409MHz   | 28      | 2429MHz   | 48      | 2449MHz   | 68      | 2469MHz   |  |
| 9                                   | 2410MHz   | 29      | 2430MHz   | 49      | 2450MHz   | 69      | 2470MHz   |  |
| 10                                  | 2411MHz   | 30      | 2431MHz   | 50      | 2451MHz   | 70      | 2471MHz   |  |
| 11                                  | 2412MHz   | 31      | 2432MHz   | 51      | 2452MHz   | 71      | 2472MHz   |  |
| 12                                  | 2413MHz   | 32      | 2433MHz   | 52      | 2453MHz   | 72      | 2473MHz   |  |
| 13                                  | 2414MHz   | 33      | 2434MHz   | 53      | 2454MHz   | 73      | 2474MHz   |  |
| 14                                  | 2415MHz   | 34      | 2435MHz   | 54      | 2455MHz   | 74      | 2475MHz   |  |
| 15                                  | 2416MHz   | 35      | 2436MHz   | 55      | 2456MHz   | 75      | 2476MHz   |  |
| 16                                  | 2417MHz   | 36      | 2437MHz   | 56      | 2457MHz   | 76      | 2477MHz   |  |
| 17                                  | 2418MHz   | 37      | 2438MHz   | 57      | 2458MHz   | 77      | 2478MHz   |  |
| 18                                  | 2419MHz   | 38      | 2439MHz   | 58      | 2459MHz   | 78      | 2479MHz   |  |
| 19                                  | 2420MHz   | 39      | 2440MHz   | 59      | 2460MHz   | 79      | 2480MHz   |  |
| 20                                  | 2421MHz   | 40      | 2441MHz   | 60      | 2461MHz   |         |           |  |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Channel             | Frequency |
|---------------------|-----------|
| The lowest channel  | 2402MHz   |
| The middle channel  | 2441MHz   |
| The Highest channel | 2480MHz   |

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## 5.2 Test mode

| Transmitting mode          | Keep the EUT in continuously transmitting mode $_{\circ}$                    |
|----------------------------|--|
| Remark: Full battery is us | ed during all test except ac conducted emission, DH1, DH3, DH5 all have been |

tested, only worse case is reported.

## 5.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • FCC — Designation No.: CN1252

*Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd* has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Designation CN1252.

## •ISED — CAB identifier No.: CN0028

*Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd* has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with CAB identifier CN0028

## 5.4 Test Location

All tests were performed at:

All tests were performed at:

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No tests were sub-contracted.

## 5.5 Other Information Requested by the Customer

#### None.

## 5.6 Description of Support Units

| Manufacturer | Description       | Model | Serial Number |
|--------------|-------------------|-------|---------------|
| UGREEN       | Adapter           | CD112 | 20358         |
| Lenovo       | Notebook computer | E470C | PF-10FB5C     |

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# 6 Test Instruments list

| Radi | Radiated Emission:      |                 |           |                  |                        |                            |  |  |
|------|-------------------------|-----------------|-----------|------------------|------------------------|----------------------------|--|--|
| Item | Test Equipment          | Manufacturer    | Model No. | Serial No.       | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |  |  |
| 1    | 3m SAC                  | SKET            | 9m*6 m*6m | 966              | 06-10-2018             | 06-09-2023                 |  |  |
| 2    | Broadband Antenna       | SCHWARZBECK     | VULB9168  | 00836<br>P:00227 | 07-14-2018             | 07-13-2019                 |  |  |
| 3    | Horn Antenna            | SCHWARZBECK     | 9120D     | 01892<br>P:00331 | 07-14-2018             | 07-13-2019                 |  |  |
| 4    | EMI Test Software       | EZ              | EZ        | N/A              | N/A                    | N/A                        |  |  |
| 5    | Pre-amplifier           | SKET            | N/A       | N/A              | 07-19-2018             | 07-18-2019                 |  |  |
| 6    | Spectrum analyzer       | Rohde & Schwarz | FSP40     | 100817           | 05-24-2018             | 05-23-2019                 |  |  |
| 7    | EMI Test Receiver       | Rohde & Schwarz | ESR7      | 101199           | 03-21-2018             | 03-20-2019                 |  |  |
| 8    | Controller              | SKET            | N/A       | N/A              | N/A                    | N/A                        |  |  |
| 9    | Vector Signal Generator | Agilent         | E4438C    | MY45092582       | 05-24-2018             | 05-23-2019                 |  |  |
| 10   | Signal Generator        | Agilent         | E8257D    | MY44320250       | 05-24-2018             | 05-23-2019                 |  |  |

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| Conducted Emission |                                 |                 |           |              |                        |                            |  |
|--------------------|---------------------------------|-----------------|-----------|--------------|------------------------|----------------------------|--|
| ltem               | Test Equipment                  | Manufacturer    | Model No. | Serial No.   | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |  |
| 1                  | EMI Test Receiver               | Rohde & Schwarz | ESPI3     | 101082       | 06-10-2018             | 06-09-2019                 |  |
| 2                  | LISN                            | CHASE           | MN2050D   | 1447         | 12-18-2018             | 12-17-2019                 |  |
| 3                  | LISN                            | Rohde & Schwarz | ENV216    | 3560.6550.15 | 07-19-2018             | 07-18-2019                 |  |
| 4                  | EMI Test Software               | EZ              | EZ        | N/A          | N/A                    | N/A                        |  |
| 5                  | Temperature Humidity<br>Chamber | Mingle          | TH101B    | N/A          | 07-19-2018             | 07-18-2019                 |  |
|                    | •                               |                 |           |              |                        |                            |  |

| RF Conducted Test: |                                 |                 |           |               |                        |                            |  |
|--------------------|---------------------------------|-----------------|-----------|---------------|------------------------|----------------------------|--|
| ltem               | Test Equipment                  | Manufacturer    | Model No. | Serial No.    | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |  |
| 1                  | Spectrum Analyzer               | Agilent         | N9030A    | MY50510123    | 05-24-2018             | 05-23-2019                 |  |
| 2                  | Spectrum analyzer               | Rohde & Schwarz | FSP40     | 100817        | 05-24-2018             | 05-23-2019                 |  |
| 3                  | MXA Signal Analyzer             | Agilent         | N9020A    | MY49100060    | 12-18-2018             | 12-17-2019                 |  |
| 4                  | Vector Signal<br>Generator      | Agilent         | N5182A    | MY49060650    | 12-18-2018             | 12-17-2019                 |  |
| 5                  | Vector Signal<br>Generator      | Agilent         | E4438C    | MY45092582    | 05-24-2018             | 05-23-2019                 |  |
| 6                  | Signal Generator                | Agilent         | E8257D    | MY44320250    | 05-24-2018             | 05-23-2019                 |  |
| 7                  | Power Sensor                    | D.A.R.E         | RPR3006W  | 17100015SNO27 | 05-24-2018             | 05-23-2019                 |  |
| 8                  | Power Sensor                    | D.A.R.E         | RPR3006W  | 17100015SNO28 | 05-24-2018             | 05-23-2019                 |  |
| 9                  | DC Power Supply                 | LODESTAR        | LP305DE   | N/A           | 07-19-2018             | 07-18-2019                 |  |
| 10                 | Temperature Humidity<br>Chamber | Mingle          | TH101B    | N/A           | 07-19-2018             | 07-18-2019                 |  |

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# 7 Test results and Measurement Data

## 7.1 Antenna requirement

| Antenna requirement   |   |
|---|---|
| Standard requirement:                                       | FCC Part15 C Section 15.203 /247(c)   |
| 15.203 requirement:   |   |
| responsible party shall be us<br>antenna that uses a unique | be designed to ensure that no antenna other than that furnished by the<br>sed with the device. The use of a permanently attached antenna or of an<br>coupling to the intentional radiator, the manufacturer may design the unit so<br>re replaced by the user, but the use of a standard antenna jack or electrical |
| 15.247(c) (1)(i) requiremen                                 | t:  |
| operations may employ trans                                 | 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point smitting antennas with directional gain greater than 6dBi provided the power of the intentional radiator is reduced by 1 dB for every 3 dB that the na exceeds 6dBi.  |
| E.U.T Antenna:  |   |
| The antenna is Ceramic chip                                 | antenna, the best case gain of the antenna is 3.19dBi   |
|   |   |

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#### Test Requirement: FCC Part15 C Section 15.207 Test Method: ANSI C63.10:2013 Test Frequency Range: 150KHz to 30MHz Class / Severity: Class B RBW=9KHz, VBW=30KHz, Sweep time=auto Receiver setup: Limit (dBuV) Limit: Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56\* 56 to 46\* 46 0.5-5 56 5-30 50 60 Decreases with the logarithm of the frequency. Test setup: Reference Plane LISN LISN 40cm 80cm Filter -— AC power ΔΠΧ E.U.T Equipment EMI Receiver Test table/Insulation plane Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m 1. The E.U.T and simulators are connected to the main power through a Test procedure: line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement. **Test Instruments:** Refer to section 6.0 for details Test mode: Refer to section 5.2 for details Test results: Pass

## 7.2 Conducted Emissions

#### Measurement data:

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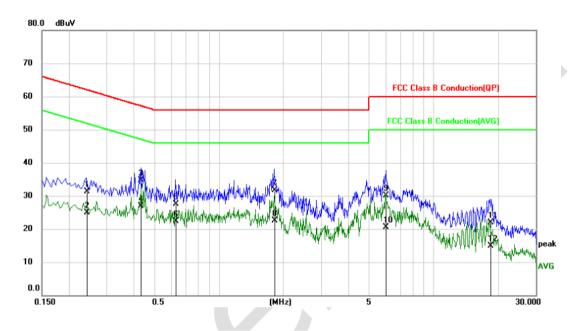
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## Line:

| EUT:            | Motorcycle Intercom Headset | Probe:        | L1          |
|-----------------|-----------------------------|---------------|-------------|
| Model:          | WT002                       | Power Source: | AC120V/60Hz |
| Mode:           | BT mode                     | Test by:      | Joan        |
| Temp./Hum.(%H): | 26°C/60%RH                  |               |             |



|   | No. | Mk. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over   |          |
|---|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|
|   |     |     | MHz     | dBuV             | dB                | dBuV             | dBuV  | dB     | Detector |
|   | 1   |     | 0.2420  | 21.45            | 9.94              | 31.39            | 62.03 | -30.64 | QP       |
|   | 2   |     | 0.2420  | 14.91            | 9.94              | 24.85            | 52.03 | -27.18 | AVG      |
| Ń | 3   |     | 0.4340  | 24.70            | 10.03             | 34.73            | 57.18 | -22.45 | QP       |
| j | 4   | *   | 0.4340  | 16.89            | 10.03             | 26.92            | 47.18 | -20.26 | AVG      |
|   | 5   |     | 0.6300  | 17.58            | 10.01             | 27.59            | 56.00 | -28.41 | QP       |
|   | 6   |     | 0.6300  | 12.36            | 10.01             | 22.37            | 46.00 | -23.63 | AVG      |
|   | 7   |     | 1.8100  | 21.95            | 9.82              | 31.77            | 56.00 | -24.23 | QP       |
|   | 8   |     | 1.8100  | 12.77            | 9.82              | 22.59            | 46.00 | -23.41 | AVG      |
|   | 9   |     | 6.0140  | 20.46            | 9.74              | 30.20            | 60.00 | -29.80 | QP       |
|   | 10  |     | 6.0140  | 10.82            | 9.74              | 20.56            | 50.00 | -29.44 | AVG      |
|   | 11  |     | 18.4100 | 12.03            | 9.81              | 21.84            | 60.00 | -38.16 | QP       |
|   | 12  |     | 18.4100 | 5.04             | 9.81              | 14.85            | 50.00 | -35.15 | AVG      |
|   |     |     |         |                  |                   |                  |       |        |          |

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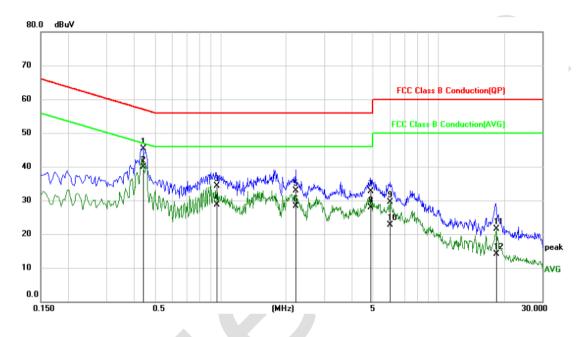
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## Neutral:

| EUT:            | Motorcycle Intercom Headset | Probe:        | N           |
|-----------------|-----------------------------|---------------|-------------|
| Model:          | WT002                       | Power Source: | AC120V/60Hz |
| Mode:           | BT mode                     | Test by:      | Joan        |
| Temp./Hum.(%H): | 26℃/60%RH                   |               |             |



| No. Mk. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over   |          |
|---------|---------|------------------|-------------------|------------------|-------|--------|----------|
|         | MHz     | dBuV             | dB                | dBuV             | dBuV  | dB     | Detector |
| 1       | 0.4420  | 35.19            | 10.17             | 45.36            | 57.02 | -11.66 | QP       |
| 2 *     | 0.4420  | 29.76            | 10.17             | 39.93            | 47.02 | -7.09  | AVG      |
| 3       | 0.9620  | 24.30            | 10.03             | 34.33            | 56.00 | -21.67 | QP       |
| 4       | 0.9620  | 18.74            | 10.03             | 28.77            | 46.00 | -17.23 | AVG      |
| 5       | 2.2139  | 22.99            | 9.99              | 32.98            | 56.00 | -23.02 | QP       |
| 6       | 2.2139  | 18.39            | 9.99              | 28.38            | 46.00 | -17.62 | AVG      |
| 7       | 4.8740  | 22.68            | 9.94              | 32.62            | 56.00 | -23.38 | QP       |
| 8       | 4.8740  | 17.90            | 9.94              | 27.84            | 46.00 | -18.16 | AVG      |
| 9       | 6.0140  | 19.61            | 9.95              | 29.56            | 60.00 | -30.44 | QP       |
| 10      | 6.0140  | 12.73            | 9.95              | 22.68            | 50.00 | -27.32 | AVG      |
| 11      | 18.3420 | 11.46            | 10.03             | 21.49            | 60.00 | -38.51 | QP       |
| 12      | 18.3420 | 4.14             | 10.03             | 14.17            | 50.00 | -35.83 | AVG      |
|         |         |                  |                   |                  |       |        |          |

#### Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level +Correct Factor

4. Correct Factor = LISN Factor + Cable Loss

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| Test Requirement: | FCC Part15 C Section 15.247 (b)(1)  |  |  |  |  |
|-------------------|---|--|--|--|--|
| Test Method:      | ANSI C63.10:2013  |  |  |  |  |
| Limit:            | 30dBm(for GFSK),21dBm(for EDR)  |  |  |  |  |
| Test setup:       | Spectrum Analyzer<br>E.U.T<br>Non-Conducted Table<br>Ground Reference Plane |  |  |  |  |
| Test Instruments: | Refer to section 6.0 for details  |  |  |  |  |
| Test mode:        | Refer to section 5.2 for details  |  |  |  |  |
| Test results:     | Pass  |  |  |  |  |

# 7.3 Conducted Peak Output Power

## **Measurement Data**

Reference to the AppendixC: Maximum conducted output power

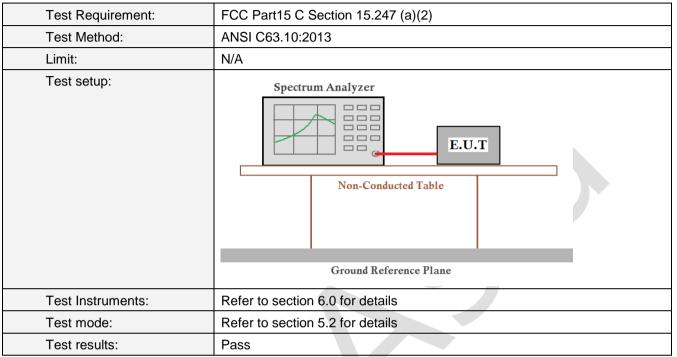
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## 7.4 20dB Emission Bandwidth



## **Measurement Data**

Reference to the AppendixA: 20dBEmission Bandwidth

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## 7.5 Carrier Frequencies Separation

| •                 | -  |  |  |  |  |  |
|-------------------|--|--|--|--|--|--|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(1)   |  |  |  |  |  |
| Test Method:      | ANSI C63.10:2013   |  |  |  |  |  |
| Receiver setup:   | RBW=100KHz, VBW=300KHz, detector=Peak  |  |  |  |  |  |
| Limit:            | GFSK & Pi/4QPSK & 8-DPSK: 0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater) |  |  |  |  |  |
| Test setup:       | Spectrum Analyzer<br>E.U.T<br>Non-Conducted Table<br>Ground Reference Plane            |  |  |  |  |  |
| Test Instruments: | Refer to section 6.0 for details   |  |  |  |  |  |
| Test mode:        | Refer to section 5.2 for details   |  |  |  |  |  |
| Test results:     | Pass   |  |  |  |  |  |

#### **Measurement Data**

Reference to the AppendixD: Carrier frequency separation

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| Test Requirement: | FCC Part15 C Section 15.247 (a)(1)  |  |  |  |  |
|-------------------|---|--|--|--|--|
| Test Method:      | ANSI C63.10:2013  |  |  |  |  |
| Receiver setup:   | RBW=100kHz, VBW=300kHz, Frequency range=2400MHz-2483.5MHz,<br>Detector=Peak |  |  |  |  |
| Limit:            | 15 channels   |  |  |  |  |
| Test setup:       | Spectrum Analyzer<br>E.U.T<br>Non-Conducted Table<br>Ground Reference Plane |  |  |  |  |
| Test Instruments: | Refer to section 6.0 for details  |  |  |  |  |
| Test mode:        | Refer to section 5.2 for details  |  |  |  |  |
| Test results:     | Pass  |  |  |  |  |

# 7.6 Hopping Channel Number

## Measurement Data:

Reference to the AppendixF: Number of hopping channels

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## 7.7 Dwell Time

| Test Requirement: | FCC Part15 C Section 15.247 (a)(iii)  |  |  |  |  |  |
|-------------------|---|--|--|--|--|--|
| Test Method:      | ANSI C63.10:2013  |  |  |  |  |  |
| Receiver setup:   | RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak                                 |  |  |  |  |  |
| Limit:            | 0.4 Second  |  |  |  |  |  |
| Test setup:       | Spectrum Analyzer<br>E.U.T<br>Non-Conducted Table<br>Ground Reference Plane |  |  |  |  |  |
| Test Instruments: | Refer to section 6.0 for details  |  |  |  |  |  |
| Test mode:        | Refer to section 5.2 for details  |  |  |  |  |  |
| Test results:     | Pass  |  |  |  |  |  |

## Measurement Data

Reference to the AppendixE: Time of occupancy

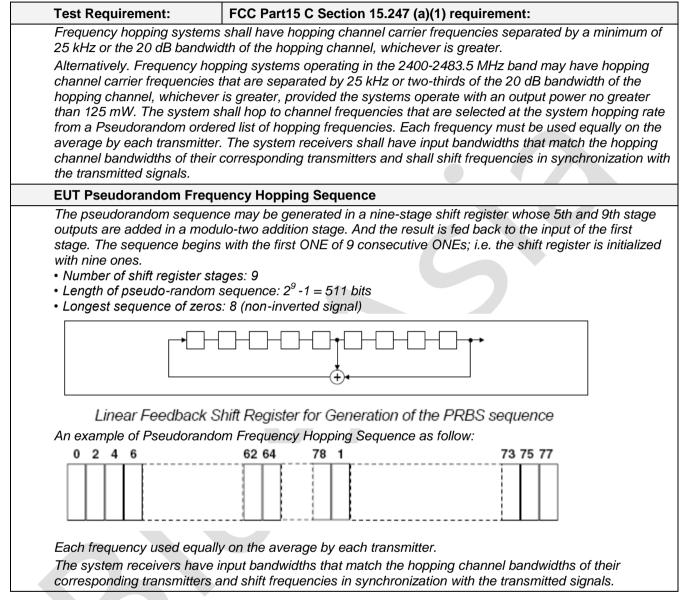
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## 7.8 Pseudorandom Frequency Hopping Sequence



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# 7.9 Band Edge

## 7.9.1 Conducted Emission Method

| Test Requirement: | FCC Part15 C Section 15.247 (d)   |  |  |  |  |
|-------------------|---|--|--|--|--|
| Test Method:      | ANSI C63.10:2013  |  |  |  |  |
| Receiver setup:   | RBW=100kHz, VBW=300kHz, Detector=Peak   |  |  |  |  |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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. |  |  |  |  |
| Test setup:       | Spectrum Analyzer<br>E.U.T<br>Non-Conducted Table<br>Ground Reference Plane   |  |  |  |  |
| Test Instruments: | Refer to section 6.0 for details  |  |  |  |  |
| Test mode:        | Refer to section 5.2 for details  |  |  |  |  |
| Test results:     | Pass  |  |  |  |  |

## **Measurement Data**

Reference to the AppendixG:Band edge measurements

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## 7.9.2 Radiated Emission Method

| Test Requirement:     | FCC Part15 C Section 15.209 and 15.205  |  |  |  |  |  |  |
|-----------------------|---|--|--|--|--|--|--|
| Test Method:          | ANSI C63.10:2013  |  |  |  |  |  |  |
| Test Frequency Range: | All restriction band have been tested, and 2310MHz to 2390MHz, 2483.5MHz to 2500MHz band is the worse case  |  |  |  |  |  |  |
| Test site:            | Measurement Distance: 3m  |  |  |  |  |  |  |
| Receiver setup:       | Frequency Detector  |  | RBW  | VBW  | Remark   |  |  |
|                       | Above 1GHz  | Peak   | 1MHz   | 3MHz   | Peak Value   |  |  |
|                       |   | Peak   | 1MHz   | 10Hz   | Average Value<br>Remark  |  |  |
| Limit:                | Freque  |  | Limit (dBuV/<br>54.0   | ,,   | Average Value  |  |  |
|                       | Above 1   | GHz  | 74.0   |  | Peak Value   |  |  |
| Toot Procedure:       | Sm>+<br>Test Antenna+<br>Turn Table+<br><150cm>→  |  |  |  |  |  |  |
| Test Procedure:       | <ul> <li>ground at a 3 determine the 2. The EUT was antenna, whit tower.</li> <li>3. The antenna ground to det horizontal and measurement</li> <li>4. For each sus and then the and the rota to maximum readimeters.</li> <li>5. The test-rece Bandwidth wition is specified EUT would be margin would</li> </ul> | meter cambe<br>e position of the<br>s set 3 meters<br>ch was mounted<br>height is varie<br>ermine the mad<br>d vertical polar<br>t.<br>pected emission<br>antenna was tr<br>able was turned<br>ading.<br>iver system with<br>Maximum H<br>in level of the I<br>d, then testing | r. The table v<br>e highest rad<br>away from th<br>ed on the top<br>d from one m<br>aximum value<br>rizations of th<br>on, the EUT v<br>uned to heigh<br>ed from 0 deg<br>as set to Pea<br>fold Mode.<br>EUT in peak is<br>could be stop<br>herwise the e<br>one by one us | vas rotated<br>liation.<br>le interferen<br>of a variabl<br>heter to four<br>e of the field<br>e antenna a<br>was arrange<br>hts from 1 n<br>grees to 360<br>k Detect Fu<br>mode was 2<br>oped and th<br>missions th<br>sing peak, o | The e-height antenna<br>The meters above the<br>Astrength. Both<br>are set to make the<br>ed to its worst case<br>neter to 4 meters<br>D degrees to find the<br>unction and Specified<br>10dB lower than the<br>the peak values of the<br>lat did not have 10dB<br>quasi-peak or |  |  |
| Test Instruments:     | Refer to section  | 6.0 for details  |  |  |  |  |  |
| Test mode:            | Refer to section  | 5.2 for details  |  |  |  |  |  |
|                       | Pass  |  |  |  |  |  |  |

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Remark:

1. During the test, pre-scan the GFSK, Pi/4QPSK, 8-DPSK modulation, and found the 8-DPSK modulation which it is worse case.

| Test channel: Lowest |                      |                             |                   |                        |                    |              |  |  |  |  |
|----------------------|----------------------|-----------------------------|-------------------|------------------------|--------------------|--------------|--|--|--|--|
|                      | Peak value:          |                             |                   |                        |                    |              |  |  |  |  |
| Frequency<br>(MHz)   | Read Level<br>(dBuV) | Correct<br>factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over Limit<br>(dB) | Polarization |  |  |  |  |
| 2310.00              | 54.36                | -14.56                      | 39.80             | 74.00                  | -34.20             | Horizontal   |  |  |  |  |
| 2390.00              | 55.01                | -14.19                      | 40.82             | 74.00                  | -33.18             | Horizontal   |  |  |  |  |
| 2310.00              | 53.86                | -14.85                      | 39.01             | 74.00                  | -34.99             | Vertical     |  |  |  |  |
| 2390.00              | 54.71                | -14.52                      | 40.19             | 74.00                  | -33.81             | Vertical     |  |  |  |  |
| Average value        | :                    | •                           | •                 | •                      |                    |              |  |  |  |  |
| Frequency<br>(MHz)   | Read Level<br>(dBuV) | Correct<br>factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over Limit<br>(dB) | Polarization |  |  |  |  |
| 2310.00              | 42.51                | -14.56                      | 27.95             | 54.00                  | -26.05             | Horizontal   |  |  |  |  |
| 2390.00              | 42.13                | -14.19                      | 27.94             | 54.00                  | -26.06             | Horizontal   |  |  |  |  |
| 2310.00              | 43.27                | -14.85                      | 28.42             | 54.00                  | -25.58             | Vertical     |  |  |  |  |
| 2390.00              | 41.82                | -14.52                      | 27.30             | 54.00                  | -26.70             | Vertical     |  |  |  |  |

| Test channel:      |                      |                             | High              | est                    |                    |              |  |  |  |  |
|--------------------|----------------------|-----------------------------|-------------------|------------------------|--------------------|--------------|--|--|--|--|
| Peak value:        | Peak value:          |                             |                   |                        |                    |              |  |  |  |  |
| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct<br>factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over Limit<br>(dB) | Polarization |  |  |  |  |
| 2483.50            | 54.39                | -13.66                      | 40.73             | 74.00                  | -33.27             | Horizontal   |  |  |  |  |
| 2500.00            | 53.15                | -13.57                      | 39.58             | 74.00                  | -34.42             | Horizontal   |  |  |  |  |
| 2483.50            | 55.27                | -14.05                      | 41.22             | 74.00                  | -32.78             | Vertical     |  |  |  |  |
| 2500.00            | 54.88                | -13.97                      | 40.91             | 74.00                  | -33.09             | Vertical     |  |  |  |  |
| Average value      |                      |                             |                   |                        |                    |              |  |  |  |  |
| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct<br>factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over Limit<br>(dB) | Polarization |  |  |  |  |
| 2483.50            | 42.01                | -13.66                      | 28.35             | 54.00                  | -25.65             | Horizontal   |  |  |  |  |
| 2500.00            | 43.86                | -13.57                      | 30.29             | 54.00                  | -23.71             | Horizontal   |  |  |  |  |
| 2483.50            | 45.31                | -14.05                      | 31.26             | 54.00                  | -22.74             | Vertical     |  |  |  |  |

30.18

54.00

-23.82

Vertical

Remark:

2500.00

1. Final Level =Receiver Read level + Correct factor

44.15

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

3. Correct factor= Antenna Factor + Cable Loss – Preamplifier Factor

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-13.97



# 7.10 Spurious Emission

## 7.10.1 Conducted Emission Method

| Test Requirement: | FCC Part15 C Section 15.247 (d)   |  |  |  |  |  |
|-------------------|---|--|--|--|--|--|
| Test Method:      | ANSI C63.10:2013  |  |  |  |  |  |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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. |  |  |  |  |  |
| Test setup:       | Spectrum Analyzer<br>E.U.T<br>Non-Conducted Table<br>Ground Reference Plane   |  |  |  |  |  |
| Test Instruments: | Refer to section 6.0 for details  |  |  |  |  |  |
| Test mode:        | Refer to section 5.2 for details  |  |  |  |  |  |
| Test results:     | Pass  |  |  |  |  |  |
|                   |   |  |  |  |  |  |

## **Measurement Data**

Reference to the AppendixH:Conducted SpuriousEmission

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| Test Requirement:              | FCC Part15 C Section 15.209  |        |              |      |          |       |                         |  |
|--------------------------------|--|--------|--------------|------|----------|-------|-------------------------|--|
| Test Method:                   | ANSI C63.10:2013   |        |              |      |          |       |                         |  |
| Test Frequency Range:          | 9kHz to 25GHz  |        |              |      |          |       |                         |  |
| Test site:                     | Measurement Distar   | nce: 3 | m            |      |          |       |                         |  |
| Receiver setup:                | Frequency  | D      | etector      | RB   | W        | VBW   | Value                   |  |
|                                | 9KHz-150KHz  | PK     | ,AV,QP       | 200  | Hz       | 600Hz | PK,AV,QP                |  |
|                                | 150KHz-30MHz   | PK     | ,AV,QP       | 9Kł  | Ηz       | 30KHz | PK,AV,QP                |  |
|                                | 30MHz-1GHz   | Qu     | asi-peak     | 120k | ίΗz      | 300KH | z Quasi-peak            |  |
|                                |  |        | Peak         | 1M   | Ηz       | 3MHz  | Peak                    |  |
|                                | Above 1GHz   |        | Peak         | 1MI  | Ηz       | 10Hz  | Average                 |  |
| Limit:<br>(Spurious Emissions) | Frequency  |        | Limit (uV/m) |      | Value    |       | Measurement<br>Distance |  |
|                                | 0.009MHz-0.490M  | 1Hz    | 2400/F(KHz)  |      | PK,AV,QP |       | 300m                    |  |
|                                | 0.490MHz-1.705M  | 1Hz    | 24000/F(KHz) |      | lz) QP   |       | 30m                     |  |
|                                | 1.705MHz-30MH  | łz     | 30           |      | QP       |       | 30m                     |  |
|                                | 30MHz-88MHz  | :      | 100          |      | QP       |       | 3m                      |  |
|                                | 88MHz-216MHz   | z      | 150          |      | QP       |       |                         |  |
|                                | 216MHz-960MH   | lz     | 200          |      | QP       |       |                         |  |
|                                | 960MHz-1GHz  |        | 500          |      |          | QP    | 500                     |  |
|                                | Above 1GHz   |        | 500          |      | Av       | rage  |                         |  |
|                                |  | 5000   | )            | F    | Peak     |       |                         |  |
| Limit:<br>(band edge)          | 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 to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation. |        |              |      |          |       |                         |  |

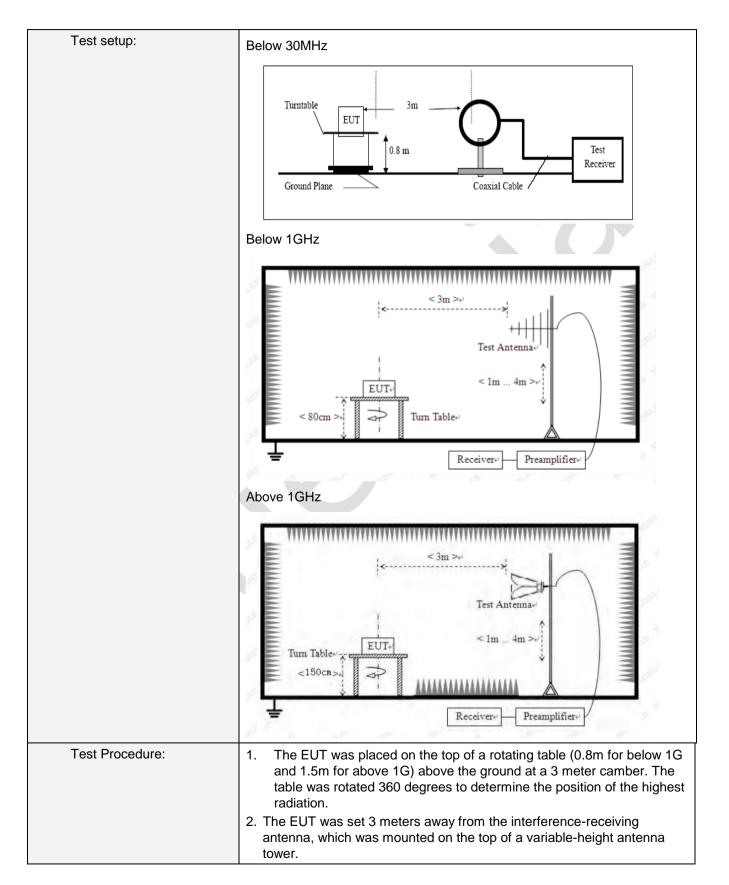
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|                   | <ol> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> </ol> |
|-------------------|---|
|                   | 5. The test-receiver system was set to Peak Detect Function and Specified<br>Bandwidth with Maximum Hold Mode.  |
|                   | 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.  |
| Test Instruments: | Refer to section 6.0 for details  |
| Test mode:        | Refer to section 5.2 for details  |
| Test results:     | Pass  |

#### Measurement data:

Remark:

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- 1. During the test, pre-scan the GFSK, Pi/4QPSK, 8-DPSK modulation, and found the 8-DPSK modulation which it is worse case.
- 2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

#### 9 kHz ~ 30 MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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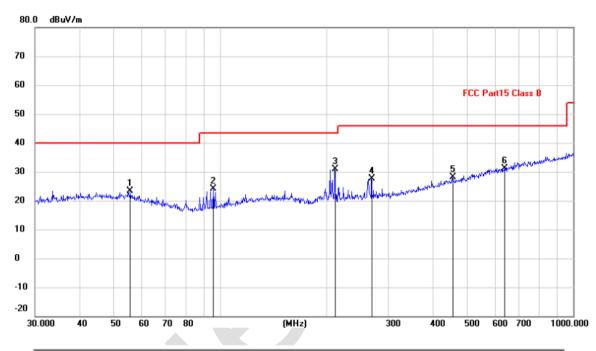
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#### Below 1GHz

| EUT:            | Motorcycle Intercom Headset | Polarziation: | Horizontal  |
|-----------------|-----------------------------|---------------|-------------|
| Model:          | WT002                       | Power Source: | AC120V/60Hz |
| Mode:           | BT mode                     | Test by:      | Joan        |
| Temp./Hum.(%H): | 26℃/60%RH                   |               |             |



|   | No. | Mk. | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Over   |          |
|---|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|
| - |     |     | MHz      | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector |
|   | 1   |     | 55.8047  | 9.89             | 13.38             | 23.27            | 40.00  | -16.73 | QP       |
|   | 2   |     | 95.7622  | 14.25            | 9.90              | 24.15            | 43.50  | -19.35 | QP       |
|   | 3   | *   | 211.5265 | 20.27            | 10.63             | 30.90            | 43.50  | -12.60 | QP       |
|   | 4   |     | 268.4853 | 14.90            | 12.81             | 27.71            | 46.00  | -18.29 | QP       |
|   | 5   |     | 454.3100 | 10.26            | 17.79             | 28.05            | 46.00  | -17.95 | QP       |
|   | 6   |     | 638.3686 | 9.76             | 21.49             | 31.25            | 46.00  | -14.75 | QP       |

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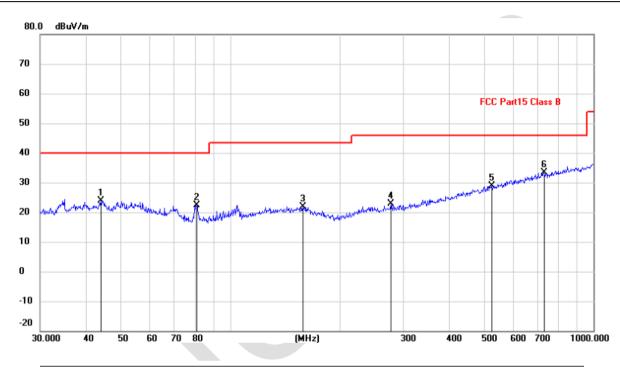
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| EUT:            | Motorcycle Intercom Headset | Polarziation: | Vertical    |
|-----------------|-----------------------------|---------------|-------------|
| Model:          | WT002                       | Power Source: | AC120V/60Hz |
| Mode:           | BT mode                     | Test by:      | Joan        |
| Temp./Hum.(%H): | 26℃/60%RH                   |               |             |
| Note:           |                             |               |             |



| No. | Mk. | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Over   |          |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|
|     |     | MHz      | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector |
| 1   |     | 44.1202  | 10.08            | 13.82             | 23.90            | 40.00  | -16.10 | QP       |
| 2   |     | 80.6442  | 13.41            | 9.02              | 22.43            | 40.00  | -17.57 | QP       |
| 3   |     | 158.6677 | 8.89             | 13.03             | 21.92            | 43.50  | -21.58 | QP       |
| 4   |     | 277.0935 | 9.96             | 12.97             | 22.93            | 46.00  | -23.07 | QP       |
| 5   |     | 526.3967 | 9.46             | 19.43             | 28.89            | 46.00  | -17.11 | QP       |
| 6   | *   | 729.3583 | 10.58            | 22.87             | 33.45            | 46.00  | -12.55 | QP       |
|     |     |          |                  |                   |                  |        |        |          |

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#### Above 1GHz

| Test channel       | :                    |                          | Lowest            |                        |                       |              |
|--------------------|----------------------|--------------------------|-------------------|------------------------|-----------------------|--------------|
| Peak value:        |                      |                          |                   |                        |                       |              |
| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Polarization |
| 4804.00            | 57.83                | -7.43                    | 50.40             | 74.00                  | -23.60                | Vertical     |
| 7206.00            | 57.07                | -2.42                    | 54.65             | 74.00                  | -19.35                | Vertical     |
| 9608.00            | 58.81                | -2.38                    | 56.43             | 74.00                  | -17.57                | Vertical     |
| 12010.00           | *                    |                          |                   | 74.00                  |                       | Vertical     |
| 14412.00           | *                    |                          |                   | 74.00                  |                       | Vertical     |
| 4804.00            | 58.72                | -7.43                    | 51.29             | 74.00                  | -22.71                | Horizontal   |
| 7206.00            | 58.61                | -2.42                    | 56.19             | 74.00                  | -17.81                | Horizontal   |
| 9608.00            | 59.24                | -2.38                    | 56.86             | 74.00                  | -17.14                | Horizontal   |
| 12010.00           | *                    |                          |                   | 74.00                  |                       | Horizontal   |
| 14412.00           | *                    |                          |                   | 74.00                  |                       | Horizontal   |

#### Average value:

| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct factor<br>(dB/m) | Level (dBuV/m) | Limit Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Polarization |
|--------------------|----------------------|--------------------------|----------------|------------------------|-----------------------|--------------|
| 4804.00            | 45.71                | -7.43                    | 38.28          | 54.00                  | -15.72                | Vertical     |
| 7206.00            | 46.28                | -2.42                    | 43.86          | 54.00                  | -10.14                | Vertical     |
| 9608.00            | 46.32                | -2.38                    | 43.94          | 54.00                  | -10.06                | Vertical     |
| 12010.00           | *                    |                          |                | 54.00                  |                       | Vertical     |
| 14412.00           | *                    |                          |                | 54.00                  |                       | Vertical     |
| 4804.00            | 47.71                | -7.43                    | 40.28          | 54.00                  | -13.72                | Horizontal   |
| 7206.00            | 46.85                | -2.42                    | 44.43          | 54.00                  | -9.57                 | Horizontal   |
| 9608.00            | 47.02                | -2.38                    | 44.64          | 54.00                  | -9.36                 | Horizontal   |
| 12010.00           | *                    |                          |                | 54.00                  |                       | Horizontal   |
| 14412.00           | *                    | ~                        |                | 54.00                  |                       | Horizontal   |

Remark:

- 1. Final Level =Receiver Read level + Correct factor
- 2. Correct factor = Antenna Factor + Cable Loss Preamplifier Factor
- 3. "\*", means this data is the too weak instrument of signal is unable to test.
- 4. The emission levels of other frequencies are very lower than the limit and not show in test report.

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| Test channel       | :                    |                          | Middle            |                        |                       |              |
|--------------------|----------------------|--------------------------|-------------------|------------------------|-----------------------|--------------|
| Peak value:        |                      |                          |                   |                        |                       |              |
| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct factor<br>(dB/m) | Level (dBuV/m)    | Limit Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Polarization |
| 4882.00            | 61.39                | -7.49                    | 53.90             | 74.00                  | -20.10                | Vertical     |
| 7323.00            | 59.23                | -2.40                    | 56.83             | 74.00                  | -17.17                | Vertical     |
| 9764.00            | 58.84                | -2.38                    | 56.46             | 74.00                  | -17.54                | Vertical     |
| 12205.00           | *                    |                          |                   | 74.00                  |                       | Vertical     |
| 14646.00           | *                    |                          |                   | 74.00                  |                       | Vertical     |
| 4882.00            | 60.38                | -7.49                    | 52.89             | 74.00                  | -21.11                | Horizontal   |
| 7323.00            | 58.67                | -2.40                    | 56.27             | 74.00                  | -17.73                | Horizontal   |
| 9764.00            | 58.13                | -2.38                    | 55.75             | 74.00                  | -18.25                | Horizontal   |
| 12205.00           | *                    |                          |                   | 74.00                  |                       | Horizontal   |
| 14646.00           | *                    |                          |                   | 74.00                  |                       | Horizontal   |
| Average val        | ue:                  |                          |                   |                        |                       |              |
| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over<br>Limit (dB)    | Polarization |
| 4882.00            | 46.63                | -7.49                    | 39.14             | 54.00                  | -14.86                | Vertical     |
| 7323.00            | 45.01                | -2.40                    | 42.61             | 54.00                  | -11.39                | Vertical     |
| 9764.00            | 44.74                | -2.38                    | 42.36             | 54.00                  | -11.64                | Vertical     |
| 12205.00           | *                    |                          |                   | 54.00                  |                       | Vertical     |
| 14646.00           | *                    |                          |                   | 54.00                  |                       | Vertical     |
| 4882.00            | 45.51                | -7.49                    | 38.02             | 54.00                  | -15.98                | Horizontal   |
| 7323.00            | 46.03                | -2.40                    | 43.63             | 54.00                  | -10.37                | Horizontal   |

Remark:

9764.00

12205.00

14646.00

1. Final Level =Receiver Read level + Correct facto

45.82

\*

\*

- 2. Correct factor = Antenna Factor + Cable Loss Preamplifier Factor
- 3. "\*", means this data is the too weak instrument of signal is unable to test.

-2.38

4. The emission levels of other frequencies are very lower than the limit and not show in test report.

43.44

54.00

54.00

54.00

-10.56

Horizontal

Horizontal

Horizontal

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| Test channel:      |                      |                             | Highest           |                        |                    |              |  |  |  |  |
|--------------------|----------------------|-----------------------------|-------------------|------------------------|--------------------|--------------|--|--|--|--|
| Peak value:        |                      |                             |                   |                        |                    |              |  |  |  |  |
| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct<br>factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over Limit<br>(dB) | Polarization |  |  |  |  |
| 4960.00            | 59.19                | -7.47                       | 51.72             | 74.00                  | -22.28             | Vertical     |  |  |  |  |
| 7440.00            | 58.86                | -2.45                       | 56.44             | 74.00                  | -17.59             | Vertical     |  |  |  |  |
| 9920.00            | 59.03                | -2.37                       | 56.66             | 74.00                  | -17.34             | Vertical     |  |  |  |  |
| 12400.00           | *                    |                             |                   | 74.00                  |                    | Vertical     |  |  |  |  |
| 14880.00           | *                    |                             |                   | 74.00                  |                    | Vertical     |  |  |  |  |
| 4960.00            | 64.46                | -7.47                       | 56.99             | 74.00                  | -17.01             | Horizontal   |  |  |  |  |
| 7440.00            | 61.01                | -2.45                       | 58.56             | 74.00                  | -15.44             | Horizontal   |  |  |  |  |
| 9920.00            | 59.73                | -2.37                       | 57.36             | 74.00                  | -16.64             | Horizontal   |  |  |  |  |
| 12400.00           | *                    |                             |                   | 74.00                  |                    | Horizontal   |  |  |  |  |
| 14880.00           | *                    |                             |                   | 74.00                  |                    | Horizontal   |  |  |  |  |

#### Average value:

| Frequency<br>(MHz) | Read Level<br>(dBuV) | Correct<br>factor<br>(dB/m) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over Limit<br>(dB) | Polarization |  |  |  |
|--------------------|----------------------|-----------------------------|-------------------|------------------------|--------------------|--------------|--|--|--|
| 4960.00            | 45.35                | -7.47                       | 37.88             | 54.00                  | -16.12             | Vertical     |  |  |  |
| 7440.00            | 44.71                | -2.45                       | 42.26             | 54.00                  | -11.74             | Vertical     |  |  |  |
| 9920.00            | 44.09                | -2.37                       | 41.72             | 54.00                  | -12.28             | Vertical     |  |  |  |
| 12400.00           | *                    | R                           |                   | 54.00                  |                    | Vertical     |  |  |  |
| 14880.00           | *                    |                             |                   | 54.00                  |                    | Vertical     |  |  |  |
| 4960.00            | 44.28                | -7.47                       | 36.81             | 54.00                  | -17.19             | Horizontal   |  |  |  |
| 7440.00            | 45.06                | -2.45                       | 42.61             | 54.00                  | -11.39             | Horizontal   |  |  |  |
| 9920.00            | 45.57                | -2.37                       | 43.20             | 54.00                  | -10.80             | Horizontal   |  |  |  |
| 12400.00           | *                    |                             |                   | 54.00                  |                    | Horizontal   |  |  |  |
| 14880.00           | *                    |                             |                   | 54.00                  |                    | Horizontal   |  |  |  |

#### Remark:

1. Final Level =Receiver Read level + Correct factor

2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor

3. "\*", means this data is the too weak instrument of signal is unable to test.

4. The emission levels of other frequencies are very lower than the limit and not show in test report.

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# 8 Test Setup Photo

Radiated Emission





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**Conducted Emission** 



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# 9 EUT Constructional Details





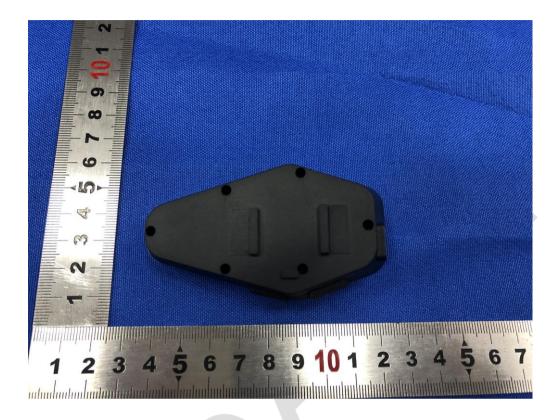
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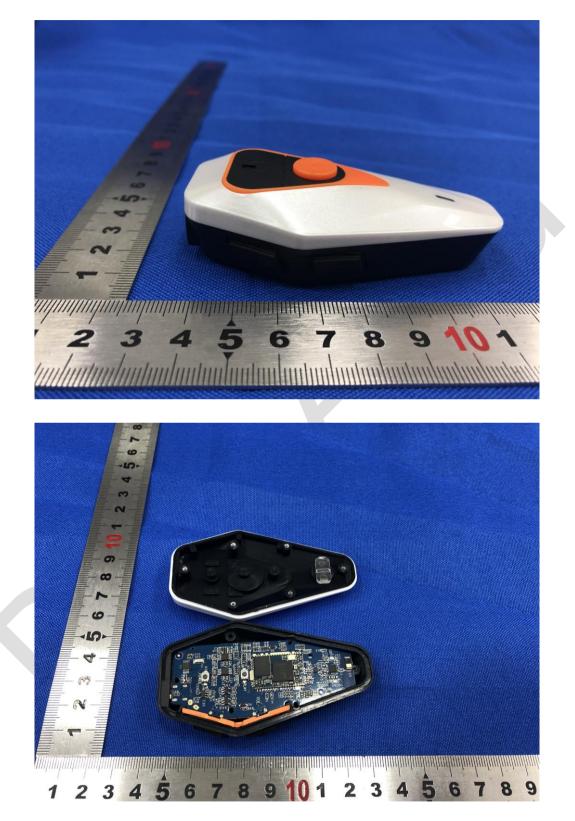
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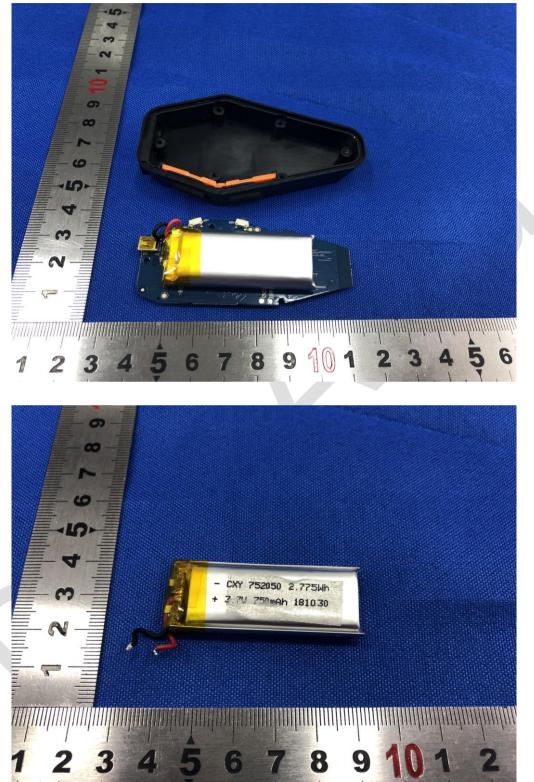
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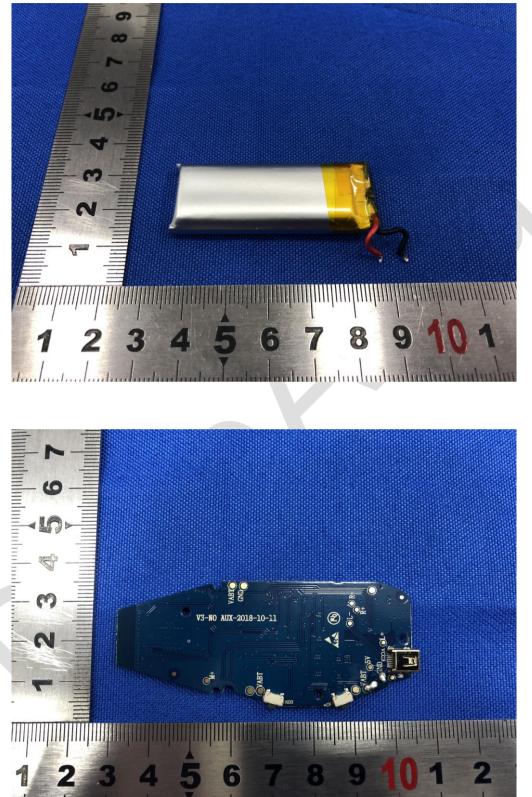
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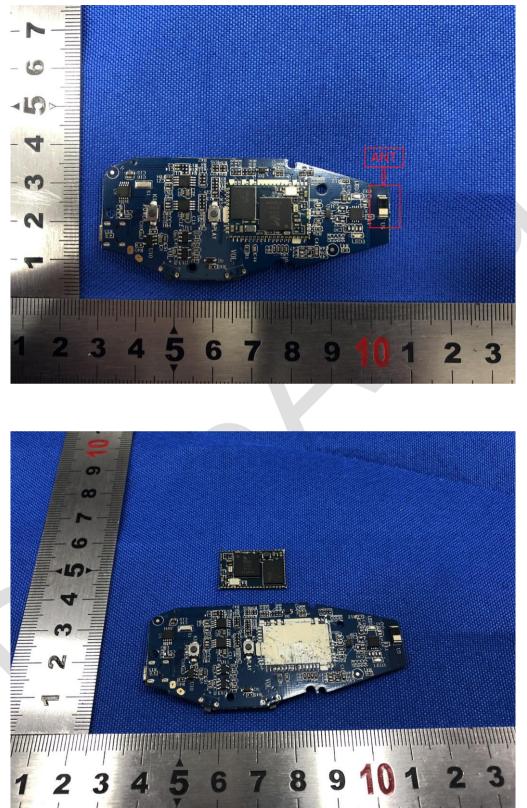
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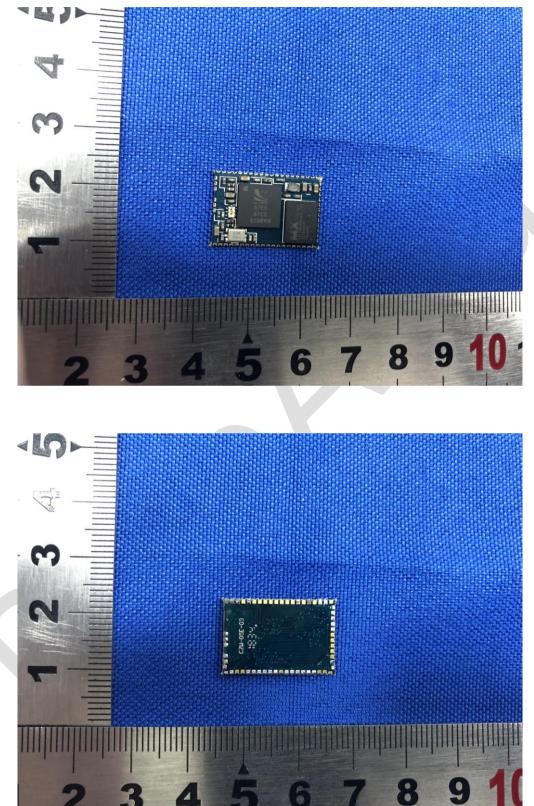


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# **10** Appendix

Refer to the following attachments.

\*\*\* End of Report \*\*\*

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.

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