

TEST REPORT (Bluetooth)

Applicant: Coros Wearables Inc.

Address of Applicant: 14511 FRANKLIN AVENUE SUITE 220, TUSTIN, CA 92780, TUSTIN, United States

Manufacturer/Factory: Guangdong Coros Sports technology co.,ltd

Address of Manufacturer/Factory: Room 130, room 234, room 318, room 5002, building 1, No. 18, Eastern Industry Road, Songshan Lake Park, Dongguan,Guangdong,China

Equipment Under Test (EUT)

Product Name: POD

Model No.: FD01

Trade Mark: COROS

FCC ID: 2AEHH-FD01

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: November 25, 2019

Date of Test: November 25-26, 2019

Date of report issued: November 26, 2019

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



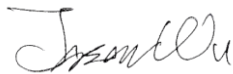
Robinson Lo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

| Report No. | Version No. | Date | Description |
|--------------------|-------------|-------------------|--|
| GTS201907000096F01 | 00 | July 29, 2019 | Original |
| GTS201911000155F01 | 01 | November 26, 2019 | Change PCB, appearance, manufacturer and factory |
| | | | |
| | | | |
| | | | |

Prepared By:



Date:

November 26, 2019

Project Engineer

Check By:



Date:

November 26, 2019

Reviewer

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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 | N/A |
| Conducted Output Power | 15.247 (b)(3) | N/A |
| Channel Bandwidth | 15.247 (a)(2) | N/A |
| Power Spectral Density | 15.247 (e) | N/A |
| Band Edge | 15.247(d) | Pass |
| Spurious Emission | 15.205/15.209 | Pass |

Remarks:

1. *Pass: The EUT complies with the essential requirements in the standard.*
2. *N/A: Not applicable.*
3. *Test according to ANSI C63.10:2013*

Measurement Uncertainty

| Test Item | Frequency Range | Measurement Uncertainty | Notes |
|----------------------------------|-----------------|-------------------------|-------|
| Radiated Emission | 30MHz-200MHz | 3.8039dB | (1) |
| Radiated Emission | 200MHz-1GHz | 3.9679dB | (1) |
| Radiated Emission | 1GHz-18GHz | 4.29dB | (1) |
| Radiated Emission | 18GHz-40GHz | 3.30dB | (1) |
| AC Power Line Conducted Emission | 0.15MHz ~ 30MHz | 3.44dB | (1) |

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

5 General Information

5.1 General Description of EUT

| | |
|----------------------|--------------------------------|
| Product Name: | POD |
| Model No.: | FD01 |
| Test sample(s) ID: | GTS201911000155-1 |
| Sample(s) Status: | Engineer sample |
| Serial No.: | 7D0A9E |
| Hardware version: | V2.0 |
| Software version: | V1.2 |
| Operation Frequency: | 2402MHz~2480MHz |
| Channel Numbers: | 40 |
| Channel Separation: | 2MHz |
| Modulation Type: | GFSK |
| Antenna Type: | PIFA Antenna |
| Antenna Gain: | -2.0dBi(Declared by applicant) |
| Power Supply: | DC 3.0V |

| Operation Frequency each of channel | | | | | | | |
|-------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1 | 2402MHz | 11 | 2422MHz | 21 | 2442MHz | 31 | 2462MHz |
| 2 | 2404MHz | 12 | 2424MHz | 22 | 2444MHz | 32 | 2464MHz |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| 9 | 2418MHz | 19 | 2438MHz | 29 | 2458MHz | 39 | 2478MHz |
| 10 | 2420MHz | 20 | 2440MHz | 30 | 2460MHz | 40 | 2480MHz |

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 | 2442MHz |
| The Highest channel | 2480MHz |

5.2 Test mode

| | |
|--|--|
| Transmitting mode | Keep the EUT in continuously transmitting mode |
| <i>Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.</i> | |

5.3 Description of Support Units

| |
|-------|
| None. |
|-------|

5.4 Deviation from Standards

| |
|-------|
| None. |
|-------|

5.5 Abnormalities from Standard Conditions

| |
|-------|
| None. |
|-------|

5.6 Test Facility

| |
|---|
| <p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none">● FCC —Registration No.: 381383 Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory 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. Registration 381383.● IC —Registration No.: 9079A The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A● NVLAP (LAB CODE:600179-0) Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0 |
|---|

5.7 Test Location

| |
|---|
| All tests were performed at: |
| Global United Technology Services Co., Ltd. Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Tel: 0755-27798480 Fax: 0755-27798960 |

6 Test Instruments list

| Radiated Emission: | | | | | | |
|--------------------|-------------------------------------|--------------------------------|-----------------------------|---------------|---------------------|-------------------------|
| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | 3m Semi- Anechoic Chamber | ZhongYu Electron | 9.2(L)*6.2(W)* 6.4(H) | GTS250 | July. 03 2015 | July. 02 2020 |
| 2 | Control Room | ZhongYu Electron | 6.2(L)*2.5(W)* 2.4(H) | GTS251 | N/A | N/A |
| 3 | EMI Test Receiver | Rohde & Schwarz | ESU26 | GTS203 | June. 26 2019 | June. 25 2020 |
| 4 | BiConiLog Antenna | SCHWARZBECK MESS-ELEKTRONIK | VULB9163 | GTS214 | June. 26 2019 | June. 25 2020 |
| 5 | Double -ridged waveguide horn | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120 D | GTS208 | June. 26 2019 | June. 25 2020 |
| 6 | Horn Antenna | ETS-LINDGREN | 3160 | GTS217 | June. 26 2019 | June. 25 2020 |
| 7 | EMI Test Software | AUDIX | E3 | N/A | N/A | N/A |
| 8 | Coaxial Cable | GTS | N/A | GTS213 | June. 26 2019 | June. 25 2020 |
| 9 | Coaxial Cable | GTS | N/A | GTS211 | June. 26 2019 | June. 25 2020 |
| 10 | Coaxial cable | GTS | N/A | GTS210 | June. 26 2019 | June. 25 2020 |
| 11 | Coaxial Cable | GTS | N/A | GTS212 | June. 26 2019 | June. 25 2020 |
| 12 | Amplifier(100kHz-3GHz) | HP | 8347A | GTS204 | June. 26 2019 | June. 25 2020 |
| 13 | Amplifier(2GHz-20GHz) | HP | 84722A | GTS206 | June. 26 2019 | June. 25 2020 |
| 14 | Amplifier (18-26GHz) | Rohde & Schwarz | AFS33-18002 650-30-8P-44 | GTS218 | June. 26 2019 | June. 25 2020 |
| 15 | Band filter | Amindeon | 82346 | GTS219 | June. 26 2019 | June. 25 2020 |
| 16 | Power Meter | Anritsu | ML2495A | GTS540 | June. 26 2019 | June. 25 2020 |
| 17 | Power Sensor | Anritsu | MA2411B | GTS541 | June. 26 2019 | June. 25 2020 |
| 18 | Wideband Radio Communication Tester | Rohde & Schwarz | CMW500 | GTS575 | June. 26 2019 | June. 25 2020 |
| 19 | Splitter | Agilent | 11636B | GTS237 | June. 26 2019 | June. 25 2020 |
| 20 | Loop Antenna | ZHINAN | ZN30900A | GTS534 | June. 26 2019 | June. 25 2020 |
| 21 | Breitband hornantenne | SCHWARZBECK | BBHA 9170 | GTS579 | Oct. 19 2019 | Oct. 18 2020 |
| 22 | Amplifier | TDK | PA-02-02 | GTS574 | Oct. 19 2019 | Oct. 18 2020 |
| 23 | Amplifier | TDK | PA-02-03 | GTS576 | Oct. 19 2019 | Oct. 18 2020 |
| 24 | PSA Series Spectrum Analyzer | Rohde & Schwarz | FSP | GTS578 | June. 26 2019 | June. 25 2020 |

| General used equipment: | | | | | | |
|-------------------------|---------------------------------|--------------|-----------|---------------|---------------------|-------------------------|
| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | Humidity/ Temperature Indicator | KTJ | TA328 | GTS243 | June. 26 2019 | June. 25 2020 |
| 2 | Barometer | ChangChun | DYM3 | GTS255 | June. 26 2019 | June. 25 2020 |

7 Test results and Measurement Data

7.1 Antenna requirement

| | |
|---|-------------------------------------|
| Standard requirement: | FCC Part15 C Section 15.203 /247(c) |
| <p>15.203 requirement:</p> <p>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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> | |
| <p>15.247(c) (1)(i) requirement:</p> <p>(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.</p> | |
| <p>E.U.T Antenna:</p> <p><i>The antenna is PIFA antenna, the best case gain of the antenna is -2.0dBi, reference to the appendix II for details.</i></p> | |

7.2 Band edges

7.2.1 Radiated Emission Method

| | | | | | |
|-----------------------|---|----------|--------------------|------|---------|
| Test Requirement: | FCC Part15 C Section 15.209 and 15.205 | | | | |
| Test Method: | ANSI C63.10:2013 | | | | |
| Test Frequency Range: | All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed. | | | | |
| Test site: | Measurement Distance: 3m | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Value |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| | | RMS | 1MHz | 3MHz | Average |
| Limit: | Frequency | | Limit (dBuV/m @3m) | | Value |
| | Above 1GHz | | 54.00 | | Average |
| | | | 74.00 | | Peak |
| Test setup: | | | | | |
| Test Procedure: | <ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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. 5. The test-receiver system was set to Peak Detect Function and Specified 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. 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report. | | | | |
| Test Instruments: | Refer to section 6.0 for details | | | | |
| Test mode: | Refer to section 5.2 for details | | | | |
| Test results: | Pass | | | | |

Measurement Data

| | |
|---------------|--------|
| Test channel: | Lowest |
|---------------|--------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 2310.00 | 38.91 | 27.59 | 5.38 | 30.18 | 41.70 | 74.00 | -32.30 | Horizontal |
| 2400.00 | 53.13 | 27.58 | 5.40 | 30.18 | 55.93 | 74.00 | -18.07 | Horizontal |
| 2310.00 | 39.08 | 27.59 | 5.38 | 30.18 | 41.87 | 74.00 | -32.13 | Vertical |
| 2400.00 | 54.74 | 27.58 | 5.40 | 30.18 | 57.54 | 74.00 | -16.46 | Vertical |

Average value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 2310.00 | 30.36 | 27.59 | 5.38 | 30.18 | 33.15 | 54.00 | -20.85 | Horizontal |
| 2400.00 | 38.36 | 27.58 | 5.40 | 30.18 | 41.16 | 54.00 | -12.84 | Horizontal |
| 2310.00 | 30.02 | 27.59 | 5.38 | 30.18 | 32.81 | 54.00 | -21.19 | Vertical |
| 2400.00 | 38.23 | 27.58 | 5.40 | 30.18 | 41.03 | 54.00 | -12.97 | Vertical |

| | |
|---------------|---------|
| Test channel: | Highest |
|---------------|---------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 2483.50 | 40.54 | 27.53 | 5.47 | 29.93 | 43.61 | 74.00 | -30.39 | Horizontal |
| 2500.00 | 40.47 | 27.55 | 5.49 | 29.93 | 43.58 | 74.00 | -30.42 | Horizontal |
| 2483.50 | 40.72 | 27.53 | 5.47 | 29.93 | 43.79 | 74.00 | -30.21 | Vertical |
| 2500.00 | 41.09 | 27.55 | 5.49 | 29.93 | 44.20 | 74.00 | -29.80 | Vertical |

Average value:

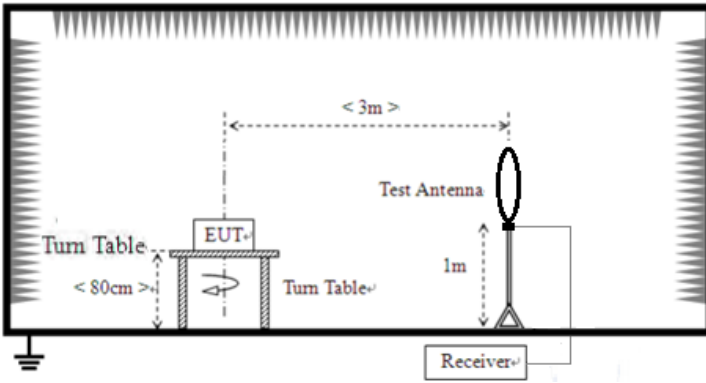
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 2483.50 | 33.14 | 27.53 | 5.47 | 29.93 | 36.21 | 54.00 | -17.79 | Horizontal |
| 2500.00 | 31.71 | 27.55 | 5.49 | 29.93 | 34.82 | 54.00 | -19.18 | Horizontal |
| 2483.50 | 34.02 | 27.53 | 5.47 | 29.93 | 37.09 | 54.00 | -16.91 | Vertical |
| 2500.00 | 31.30 | 27.55 | 5.49 | 29.93 | 34.41 | 54.00 | -19.59 | Vertical |

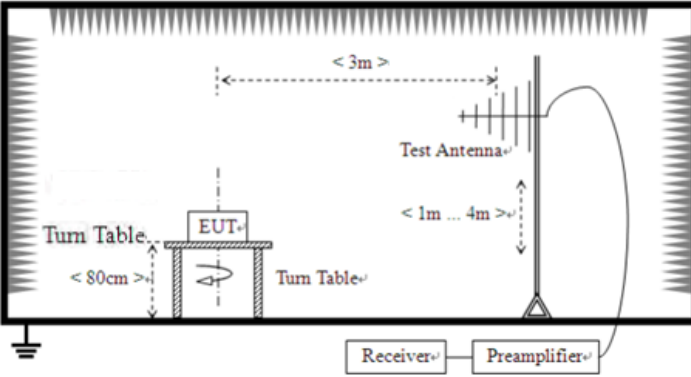
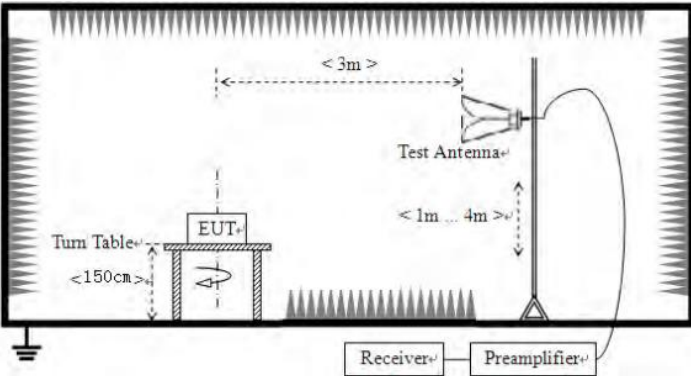
Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

7.3 Spurious Emission

7.3.1 Radiated Emission Method

| | | | | | |
|-----------------------|---|--------------|---------|----------------------|------------|
| Test Requirement: | FCC Part15 C Section 15.209 | | | | |
| Test Method: | ANSI C63.10:2013 | | | | |
| Test Frequency Range: | 9kHz to 25GHz | | | | |
| Test site: | Measurement Distance: 3m | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Value |
| | 9KHz-150KHz | Quasi-peak | 200Hz | 600Hz | Quasi-peak |
| | 150KHz-30MHz | Quasi-peak | 9KHz | 30KHz | Quasi-peak |
| | 30MHz-1GHz | Quasi-peak | 120KHz | 300KHz | Quasi-peak |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| Peak | | 1MHz | 10Hz | Average | |
| Limit: | Frequency | Limit (uV/m) | Value | Measurement Distance | |
| | 0.009MHz-0.490MHz | 2400/F(KHz) | QP | 300m | |
| | 0.490MHz-1.705MHz | 24000/F(KHz) | QP | 30m | |
| | 1.705MHz-30MHz | 30 | QP | 30m | |
| | 30MHz-88MHz | 100 | QP | 3m | |
| | 88MHz-216MHz | 150 | QP | | |
| | 216MHz-960MHz | 200 | QP | | |
| | 960MHz-1GHz | 500 | QP | | |
| | Above 1GHz | 500 | Average | | |
| | | 5000 | Peak | | |
| Test setup: | <p>For radiated emissions from 9kHz to 30MHz</p>  | | | | |

| | |
|------------------------|--|
| | <p>For radiated emissions from 30MHz to1GHz</p>  <p>For radiated emissions above 1GHz</p>  |
| <p>Test Procedure:</p> | <ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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. 5. The test-receiver system was set to Peak Detect Function and Specified 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 voltage: | DC 3.0V |
| Test results: | Pass |

Measurement data:

Remark:

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

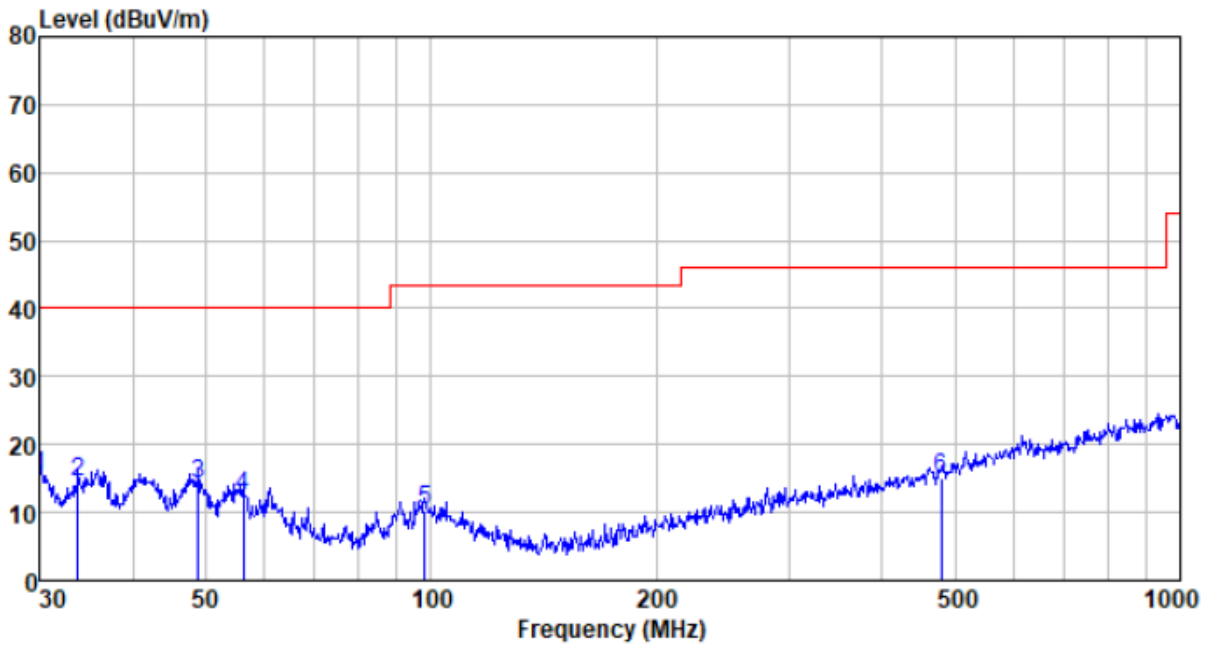
■ 9kHz~30MHz

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.

■ **Below 1GHz**

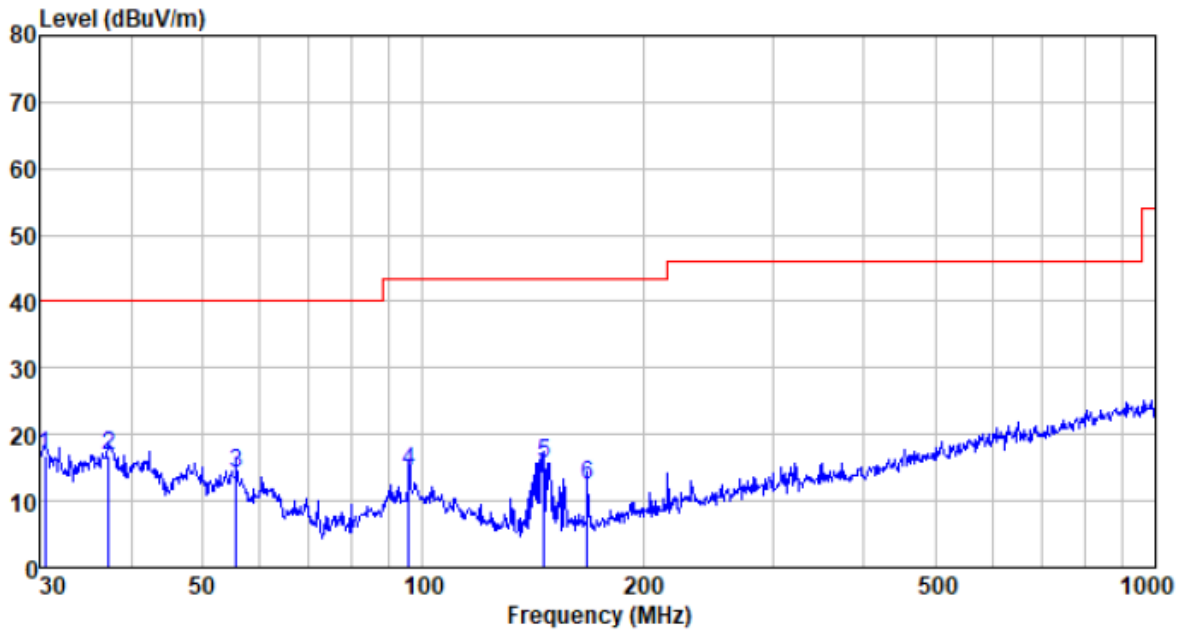
Pre-scan all test modes, found worst case at GFSK 2480MHz, and so only show the test result of GFSK 2480MHz

| | | | |
|--------------|--------------------------|----------------------|-------------------|
| Mode: | Transmitting mode | Polarization: | Horizontal |
|--------------|--------------------------|----------------------|-------------------|



| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamp factor dB | level dBuV | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|---------------|--------------------------|---------------------|--------|
| 30.000 | 38.52 | 11.20 | 0.55 | 35.00 | 15.27 | 40.00 | -24.73 | QP |
| 33.799 | 37.74 | 11.28 | 0.59 | 35.28 | 14.33 | 40.00 | -25.67 | QP |
| 48.843 | 37.37 | 12.29 | 0.76 | 36.13 | 14.29 | 40.00 | -25.71 | QP |
| 56.197 | 36.24 | 11.68 | 0.83 | 36.27 | 12.48 | 40.00 | -27.52 | QP |
| 98.142 | 33.81 | 11.93 | 1.18 | 36.71 | 10.21 | 43.50 | -33.29 | QP |
| 478.846 | 32.31 | 16.93 | 3.22 | 37.51 | 14.95 | 46.00 | -31.05 | QP |

| | | | |
|--------------|--------------------------|----------------------|-----------------|
| Mode: | Transmitting mode | Polarization: | Vertical |
|--------------|--------------------------|----------------------|-----------------|



| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamp factor dB | level dBuV | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|---------------|--------------------------|---------------------|--------|
| 30.531 | 39.99 | 11.21 | 0.56 | 35.04 | 16.72 | 40.00 | -23.28 | QP |
| 37.285 | 39.99 | 11.73 | 0.63 | 35.50 | 16.85 | 40.00 | -23.15 | QP |
| 55.609 | 37.80 | 11.73 | 0.82 | 36.26 | 14.09 | 40.00 | -25.91 | QP |
| 95.762 | 38.31 | 11.59 | 1.16 | 36.69 | 14.37 | 43.50 | -29.13 | QP |
| 146.374 | 43.51 | 7.53 | 1.55 | 37.06 | 15.53 | 43.50 | -27.97 | QP |
| 167.824 | 39.56 | 8.46 | 1.67 | 37.18 | 12.51 | 43.50 | -30.99 | QP |

■ Above 1GHz

| | |
|---------------|--------|
| Test channel: | Lowest |
|---------------|--------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 4804.00 | 35.24 | 31.78 | 8.60 | 32.09 | 43.53 | 74.00 | -30.47 | Vertical |
| 7206.00 | 30.46 | 36.15 | 11.65 | 32.00 | 46.26 | 74.00 | -27.74 | Vertical |
| 9608.00 | 30.25 | 37.95 | 14.14 | 31.62 | 50.72 | 74.00 | -23.28 | Vertical |
| 12010.00 | * | | | | | 74.00 | | Vertical |
| 14412.00 | * | | | | | 74.00 | | Vertical |
| 4804.00 | 39.11 | 31.78 | 8.60 | 32.09 | 47.40 | 74.00 | -26.60 | Horizontal |
| 7206.00 | 32.04 | 36.15 | 11.65 | 32.00 | 47.84 | 74.00 | -26.16 | Horizontal |
| 9608.00 | 29.48 | 37.95 | 14.14 | 31.62 | 49.95 | 74.00 | -24.05 | Horizontal |
| 12010.00 | * | | | | | 74.00 | | Horizontal |
| 14412.00 | * | | | | | 74.00 | | Horizontal |

Average value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 4804.00 | 24.45 | 31.78 | 8.60 | 32.09 | 32.74 | 54.00 | -21.26 | Vertical |
| 7206.00 | 19.38 | 36.15 | 11.65 | 32.00 | 35.18 | 54.00 | -18.82 | Vertical |
| 9608.00 | 18.59 | 37.95 | 14.14 | 31.62 | 39.06 | 54.00 | -14.94 | Vertical |
| 12010.00 | * | | | | | 54.00 | | Vertical |
| 14412.00 | * | | | | | 54.00 | | Vertical |
| 4804.00 | 28.45 | 31.78 | 8.60 | 32.09 | 36.74 | 54.00 | -17.26 | Horizontal |
| 7206.00 | 21.42 | 36.15 | 11.65 | 32.00 | 37.22 | 54.00 | -16.78 | Horizontal |
| 9608.00 | 18.15 | 37.95 | 14.14 | 31.62 | 38.62 | 54.00 | -15.38 | Horizontal |
| 12010.00 | * | | | | | 54.00 | | Horizontal |
| 14412.00 | * | | | | | 54.00 | | Horizontal |

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

| | |
|---------------|--------|
| Test channel: | Middle |
|---------------|--------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 4880.00 | 35.26 | 31.85 | 8.67 | 32.12 | 43.66 | 74.00 | -30.34 | Vertical |
| 7320.00 | 30.48 | 36.37 | 11.72 | 31.89 | 46.68 | 74.00 | -27.32 | Vertical |
| 9760.00 | 30.26 | 38.35 | 14.25 | 31.62 | 51.24 | 74.00 | -22.76 | Vertical |
| 12200.00 | * | | | | | 74.00 | | Vertical |
| 14640.00 | * | | | | | 74.00 | | Vertical |
| 4880.00 | 39.13 | 31.85 | 8.67 | 32.12 | 47.53 | 74.00 | -26.47 | Horizontal |
| 7320.00 | 32.05 | 36.37 | 11.72 | 31.89 | 48.25 | 74.00 | -25.75 | Horizontal |
| 9760.00 | 29.49 | 38.35 | 14.25 | 31.62 | 50.47 | 74.00 | -23.53 | Horizontal |
| 12200.00 | * | | | | | 74.00 | | Horizontal |
| 14640.00 | * | | | | | 74.00 | | Horizontal |

Average value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 4880.00 | 24.47 | 31.85 | 8.67 | 32.12 | 32.87 | 54.00 | -21.13 | Vertical |
| 7320.00 | 19.39 | 36.37 | 11.72 | 31.89 | 35.59 | 54.00 | -18.41 | Vertical |
| 9760.00 | 18.60 | 38.35 | 14.25 | 31.62 | 39.58 | 54.00 | -14.42 | Vertical |
| 12200.00 | * | | | | | 54.00 | | Vertical |
| 14640.00 | * | | | | | 54.00 | | Vertical |
| 4880.00 | 28.47 | 31.85 | 8.67 | 32.12 | 36.87 | 54.00 | -17.13 | Horizontal |
| 7320.00 | 21.43 | 36.37 | 11.72 | 31.89 | 37.63 | 54.00 | -16.37 | Horizontal |
| 9760.00 | 18.16 | 38.35 | 14.25 | 31.62 | 39.14 | 54.00 | -14.86 | Horizontal |
| 12200.00 | * | | | | | 54.00 | | Horizontal |
| 14640.00 | * | | | | | 54.00 | | Horizontal |

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

| | |
|---------------|---------|
| Test channel: | Highest |
|---------------|---------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 4960.00 | 35.15 | 31.93 | 8.73 | 32.16 | 43.65 | 74.00 | -30.35 | Vertical |
| 7440.00 | 30.40 | 36.59 | 11.79 | 31.78 | 47.00 | 74.00 | -27.00 | Vertical |
| 9920.00 | 30.20 | 38.81 | 14.38 | 31.88 | 51.51 | 74.00 | -22.49 | Vertical |
| 12400.00 | * | | | | | 74.00 | | Vertical |
| 14880.00 | * | | | | | 74.00 | | Vertical |
| 4960.00 | 39.00 | 31.93 | 8.73 | 32.16 | 47.50 | 74.00 | -26.50 | Horizontal |
| 7440.00 | 31.97 | 36.59 | 11.79 | 31.78 | 48.57 | 74.00 | -25.43 | Horizontal |
| 9920.00 | 29.42 | 38.81 | 14.38 | 31.88 | 50.73 | 74.00 | -23.27 | Horizontal |
| 12400.00 | * | | | | | 74.00 | | Horizontal |
| 14880.00 | * | | | | | 74.00 | | Horizontal |

Average value:

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| 4960.00 | 24.40 | 31.93 | 8.73 | 32.16 | 32.90 | 54.00 | -21.10 | Vertical |
| 7440.00 | 19.35 | 36.59 | 11.79 | 31.78 | 35.95 | 54.00 | -18.05 | Vertical |
| 9920.00 | 18.56 | 38.81 | 14.38 | 31.88 | 39.87 | 54.00 | -14.13 | Vertical |
| 12400.00 | * | | | | | 54.00 | | Vertical |
| 14880.00 | * | | | | | 54.00 | | Vertical |
| 4960.00 | 28.39 | 31.93 | 8.73 | 32.16 | 36.89 | 54.00 | -17.11 | Horizontal |
| 7440.00 | 21.38 | 36.59 | 11.79 | 31.78 | 37.98 | 54.00 | -16.02 | Horizontal |
| 9920.00 | 18.11 | 38.81 | 14.38 | 31.88 | 39.42 | 54.00 | -14.58 | Horizontal |
| 12400.00 | * | | | | | 54.00 | | Horizontal |
| 14880.00 | * | | | | | 54.00 | | Horizontal |

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----