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Report Template Version: V04
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Test Report

Report No.: CQASZ20220801413E-01
Applicant: ShenZhen Porcsi Technology Co., Ltd.
Address of Applicant: 10/F, Jia Yi Da Industrial Park, Liao Keng, ShiYan, BaoAn, ShenZhen, China.
Equipment Under Test (EUT):
EUT Name: TPMS Sensor, TPMS Dual Band Sensor
Model No.: MT-Sensor, CN900, CN901, CN902, CN903, CN905, CN906, CN907, CN908, CN909, CN910, CN911, CN912, CN913, CN914, CN915, CN916, CN917, CN918, CN919, 04.01.124
Test Model No.: CN900
Brand Name: N/A
FCC ID: 2AMNXCN900
Standards: 47 CFR Part 15, Subpart C
Date of Receipt: 2022-08-15
Date of Test: 2022-08-15 to 2022-08-25
Date of Issue: 2022-10-09
Test Result : **PASS***

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

Tested By:

Lewis Zhou

(Lewis Zhou)

Reviewed By:

Timo Lei

(Timo Lei)

Approved By:

Jack Ai

(Jack Ai)



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 CQA, this report can't be reproduced except in full.

1 Version

Revision History Of Report

| Report No. | Version | Description | Issue Date |
|----------------------|---------|----------------|------------|
| CQASZ20220801413E-01 | Rev.01 | Initial report | 2022-10-09 |

2 Test Summary

| Test Item | Test Requirement | Test method | Result |
|--|---|--------------------|--------|
| Antenna Requirement | 47 CFR Part 15, Subpart C Section 15.203 | ANSI C63.10 (2013) | PASS |
| Conducted Emission (150KHz to 30MHz) | 47 CFR Part 15, Subpart C Section 15.207 | ANSI C63.10 2013 | N/A |
| Field Strength of the Fundamental Signal | 47 CFR Part 15, Subpart C Section 15.231 (b) | ANSI C63.10 (2013) | PASS |
| Spurious Emissions | 47 CFR Part 15, Subpart C Section 15.231 (b)/15.209 | ANSI C63.10 (2013) | PASS |
| 20dB Bandwidth | 47 CFR Part 15, Subpart C Section 15.231 (c) | ANSI C63.10 (2013) | PASS |
| Dwell Time | 47 CFR Part 15, Subpart C Section 15.231 (a) | ANSI C63.10 (2013) | PASS |

N/A: Not Applicable, the EUT was working by DC.

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4 General Information

4.1 Client Information

| | |
|--------------------------|---|
| Applicant: | ShenZhen Porcsi Technology Co., Ltd. |
| Address of Applicant: | 10/F, Jia Yi Da Industrial Park, Liao Keng, ShiYan, BaoAn, ShenZhen, China. |
| Manufacturer: | ShenZhen Porcsi Technology Co., Ltd. |
| Address of Manufacturer: | 10/F, Jia Yi Da Industrial Park, Liao Keng, ShiYan, BaoAn, ShenZhen, China. |
| Factory: | ShenZhen Porcsi Technology Co., Ltd. |
| Address of Factory: | 10/F, Jia Yi Da Industrial Park, Liao Keng, ShiYan, BaoAn, ShenZhen, China. |

4.2 General Description of EUT

| | |
|----------------------|---|
| Product Name: | TPMS Sensor, TPMS Dual Band Sensor |
| Model No.: | MT-Sensor, CN900, CN901, CN902, CN903, CN905, CN906, CN907, CN908, CN909, CN910, CN911, CN912, CN913, CN914, CN915, CN916, CN917, CN918, CN919, 04.01.124 |
| Test Model No.: | CN900 |
| Trade Mark: | N/A |
| Hardware Version: | V01 |
| Software Version: | V2 |
| Sample Type: | <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Portable |
| Operation Frequency: | 315MHz |
| Channel Numbers: | 1 |
| Modulation Type: | FSK |
| Antenna Type: | internal antenna |
| Antenna Gain: | -6.48 dBi |
| Power Supply: | Voltage: DC 3V ,current: <10mA |

ModelNo.:

MT-Sensor, CN900, CN901, CN902, CN903, CN905, CN906, CN907, CN908, CN909, CN910, CN911, CN912, CN913, CN914, CN915, CN916, CN917, CN918, CN919

Their electrical circuit design, layout, components used and internal wiring are identical, Only the appearance design and model name are different

4.3 Test Environment and Mode

| | |
|--|--|
| Operating Environment: | |
| Radiated Emissions: | |
| Temperature: | 25.5 °C |
| Humidity: | 53 % RH |
| Atmospheric Pressure: | 1009 mbar |
| Radio conducted item test (RF Conducted test room): | |
| Temperature: | 25.5 °C |
| Humidity: | 53 % RH |
| Atmospheric Pressure: | 1009 mbar |
| Test mode: | |
| Transmitting mode: | Keep the EUT in transmitting mode with modulation. |

4.4 Description of Support Units

The EUT has been tested independently.

1) Support equipment

| Description | Manufacturer | Model No. | Certification | Supplied by |
|-------------|--------------|-----------|---------------|-------------|
| / | / | / | / | / |

2) Cable

| Cable No. | Description | Manufacturer | Cable Type/Length | Supplied by |
|-----------|-------------|--------------|-------------------|-------------|
| / | / | / | / | / |

4.5 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.,

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua New District, Shenzhen, Guangdong, China

4.6 Test Facility

- **A2LA (Certificate No. 4742.01)**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

- **FCC Registration No.: 522263**

Shenzhen Huaxia Testing Technology 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 our files. Registration No.:522263

4.7 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

| Test | Range | Uncertainty | Notes |
|-----------------------|------------|-------------|-------|
| Radiated Emission | Below 1GHz | 5.12dB | (1) |
| Radiated Emission | Above 1GHz | 4.60dB | (1) |
| Conducted Disturbance | 0.15~30MHz | 3.34dB | (1) |

(1)This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4.8 Deviation from Standards

None.

4.9 Abnormalities from Standard Conditions

None.

4.10 Other Information Requested by the Customer

None.

4.11 Equipment List

| Test Equipment | Manufacturer | Model No. | Instrument No. | Calibration Date | Calibration Due Date |
|----------------------------|--------------|------------------------|----------------|------------------|----------------------|
| EMI Test Receiver | R&S | ESR7 | CQA-005 | 2021/9/10 | 2022/9/9 |
| Spectrum analyzer | R&S | FSU26 | CQA-038 | 2021/9/10 | 2022/9/9 |
| Preamplifier | MITEQ | AFS4-00010300-18-10P-4 | CQA-035 | 2021/9/10 | 2022/9/9 |
| Preamplifier | MITEQ | AMF-6D-02001800-29-20P | CQA-036 | 2021/9/10 | 2022/9/9 |
| Preamplifier | EMCI | EMC184055SE | CQA-089 | 2021/9/16 | 2024/9/15 |
| Loop antenna | Schwarzbeck | FMZB1516 | CQA-060 | 2021/9/10 | 2022/9/9 |
| Bilog Antenna | R&S | HL562 | CQA-011 | 2021/9/16 | 2024/9/15 |
| Horn Antenna | R&S | HF906 | CQA-012 | 2021/9/16 | 2024/9/15 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | CQA-088 | 2021/9/10 | 2022/9/9 |
| Coaxial Cable (Above 1GHz) | CQA | N/A | C007 | 2021/9/10 | 2022/9/9 |
| Coaxial Cable (Below 1GHz) | CQA | N/A | C013 | 2021/9/10 | 2022/9/9 |
| Antenna Connector | CQA | RFC-01 | CQA-080 | 2021/9/10 | 2022/9/09 |
| RF cable(9KHz~40GHz) | CQA | RF-01 | CQA-079 | 2021/9/10 | 2022/9/9 |
| Power divider | MIDWEST | PWD-2533-02-SMA-79 | CQA-067 | 2021/9/10 | 2022/9/9 |

Test software:

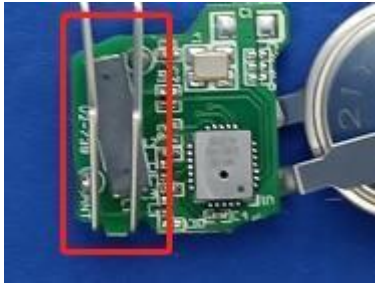
| | Manufacturer | Software brand |
|----------------------------------|--------------|----------------|
| Radiated Emissions test software | Tonscend | JS1120-3 |
| RF Conducted test software | Audix | e3 |

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.

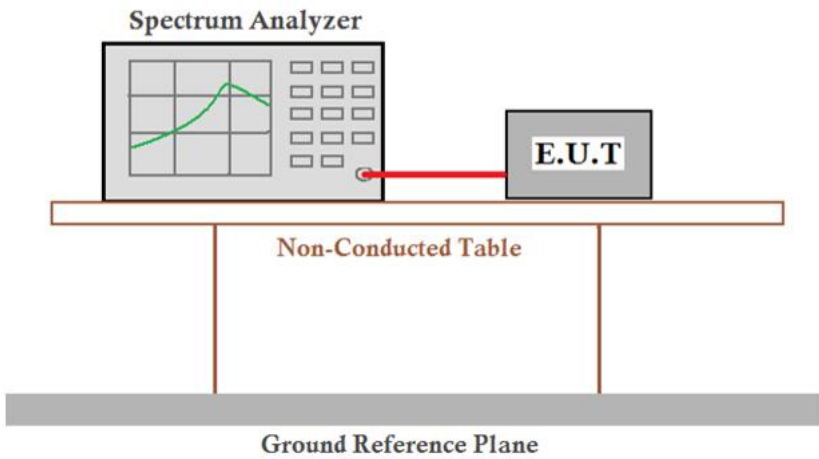
5 Test results and Measurement Data

5.1 Antenna Requirement

| | |
|--|--|
| Standard requirement: | 47 CFR Part 15C Section 15.203 |
| <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> | |
| EUT Antenna: |  |
| The antenna is internal antenna. The best case gain of the antenna is -6.48dBi. | |

5.2 Spurious Emissions

5.2.1 Duty Cycle

| | |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15C Section 15.35 (c) |
| Test Method: | ANSI C63.10:2013 |
| Test Setup: |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p> |
| Limit: | N/A |
| Test Mode: | Transmitting mode |
| Test Results: | Pass |

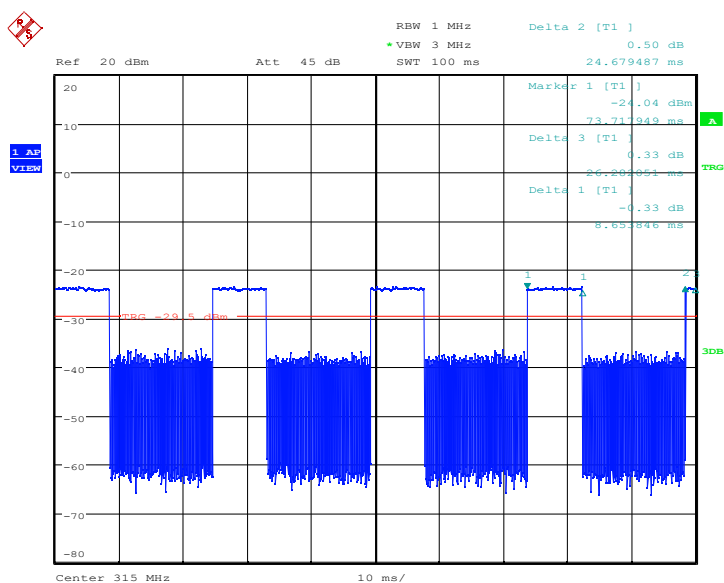
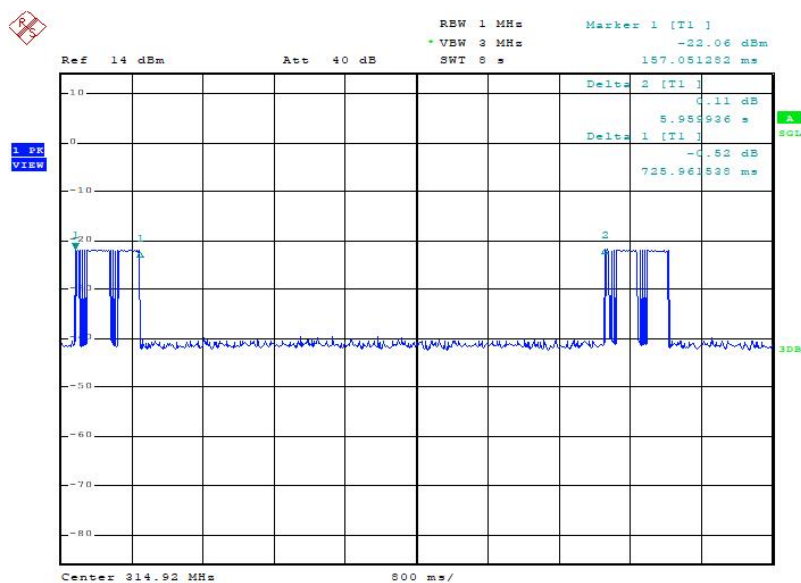
| T period (ms) | T on time (ms) | Duty cycle |
|------------------|-------------------|------------|
| 100 | 36.2 | 36.2% |

Note: $T \text{ on time} = 8.65 \times 4 + 1.6 = 36.2$

Duty cycle = $T \text{ on time} / T \text{ period}$

Test plot as follows:

T period and T on time:



5.2.2 Spurious Emissions

| | | | | | |
|--|---|-------------------------------------|-------------------|---------------|-----------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.231(b) and 15.209 | | | | |
| Test Method: | ANSI C63.10: 2013 | | | | |
| Test Site: | Measurement Distance: 3m (Semi-Anechoic Chamber) | | | | |
| Receiver Setup: | Frequency | Detector | RBW | VBW | Remark |
| | 0.009MHz-0.090MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.009MHz-0.090MHz | Average | 10kHz | 30kHz | Average |
| | 0.090MHz-0.110MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 0.110MHz-0.490MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.110MHz-0.490MHz | Average | 10kHz | 30kHz | Average |
| | 0.490MHz -30MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 30MHz-1GHz | Quasi-peak | 100 kHz | 300kHz | Quasi-peak |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| Peak | | 1MHz | 10Hz | Average | |
| Limit: (Spurious Emissions) | Frequency | Field strength (microvolt/meter) | Limit (dBuV/m) | Remark | Measurement distance (m) |
| | 0.009MHz-0.490MHz | 2400/F(kHz) | - | - | 300 |
| | 0.490MHz-1.705MHz | 24000/F(kHz) | - | - | 30 |
| | 1.705MHz-30MHz | 30 | - | - | 30 |
| | 30MHz-88MHz | 100 | 40.0 | Quasi-peak | 3 |
| | 88MHz-216MHz | 150 | 43.5 | Quasi-peak | 3 |
| | 216MHz-960MHz | 200 | 46.0 | Quasi-peak | 3 |
| | 960MHz-1GHz | 500 | 54.0 | Quasi-peak | 3 |
| | Above 1GHz | 500 | 54.0 | Average | 3 |
| | Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. | | | | |
| Limit: (Field strength of the fundamental signal) | Frequency | Limit (dBuV/m @3m) | | Remark | |
| | 314.9MHz | 75.6 | | Average Value | |
| | | 95.6 | | Peak Value | |
| Test Procedure: | a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 | | | | |

degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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.
- g. The radiation measurements are performed in X, Y, Z axis positioning. And found the Z axis positioning which it is worse case, Only the test worst case mode is recorded in the report.

Test Setup:

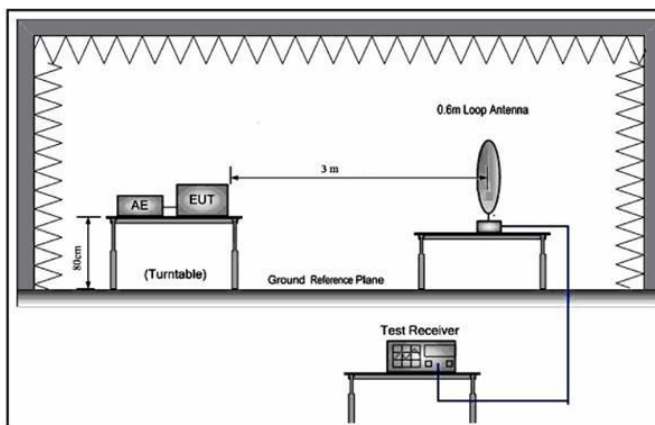


Figure 1. Below 30MHz

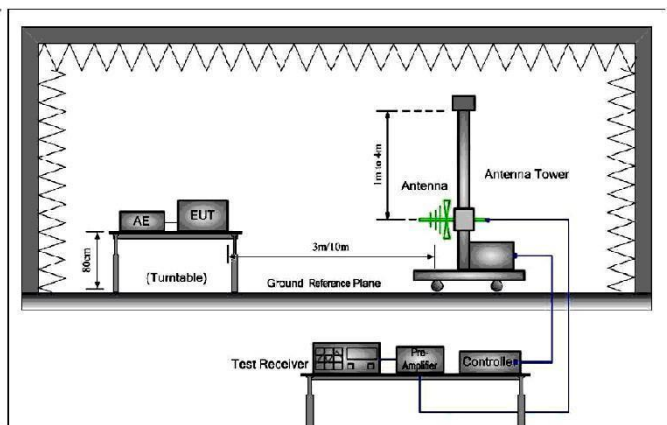


Figure 2. 30MHz to 1GHz

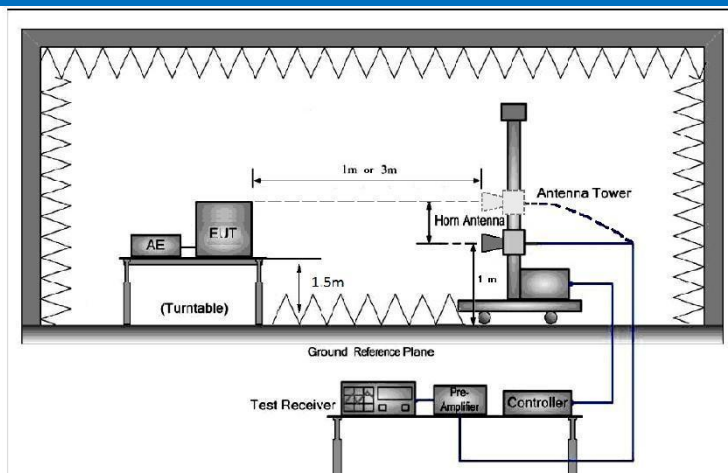


Figure 3. Above 1 GHz

| | |
|---------------|-------------------|
| Test Mode: | Transmitting mode |
| Test Results: | Pass |

Measurement Data

5.2.2.1 Field Strength Of The Fundamental Signal

| Average value: | |
|--------------------|----------------------------------|
| Calculate Formula: | Average value=Peak value + PDCF |
| | PDCF=20 log(Duty cycle)=-8.83 |
| | Duty cycle= T on time / T period |

| Antenna polarization: Horizontal | | | | | | |
|----------------------------------|-------------------|-------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 315 | 59.72 | 14.35 | 74.07 | 95.6 | -21.53 | Peak |
| 315 | - | - | 65.24 | 75.6 | -10.36 | Average |

| Antenna polarization: Vertical | | | | | | |
|--------------------------------|-------------------|-------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Read Level (dBuV) | Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 315 | 58.65 | 14.08 | 72.73 | 95.6 | -22.87 | Peak |
| 315 | - | - | 63.9 | 75.6 | -11.7 | Average |

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

5.2.2.2 Spurious Emissions

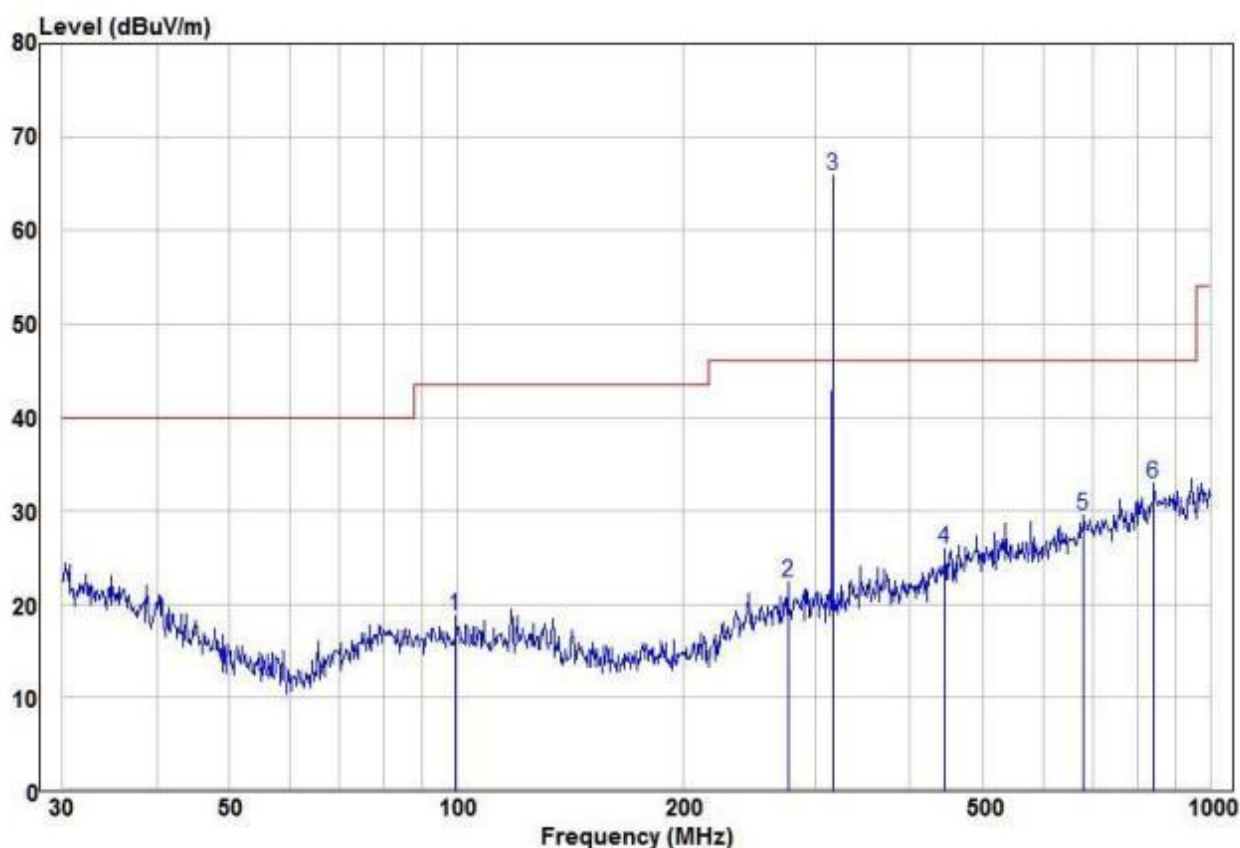
9KHz-30MHz

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

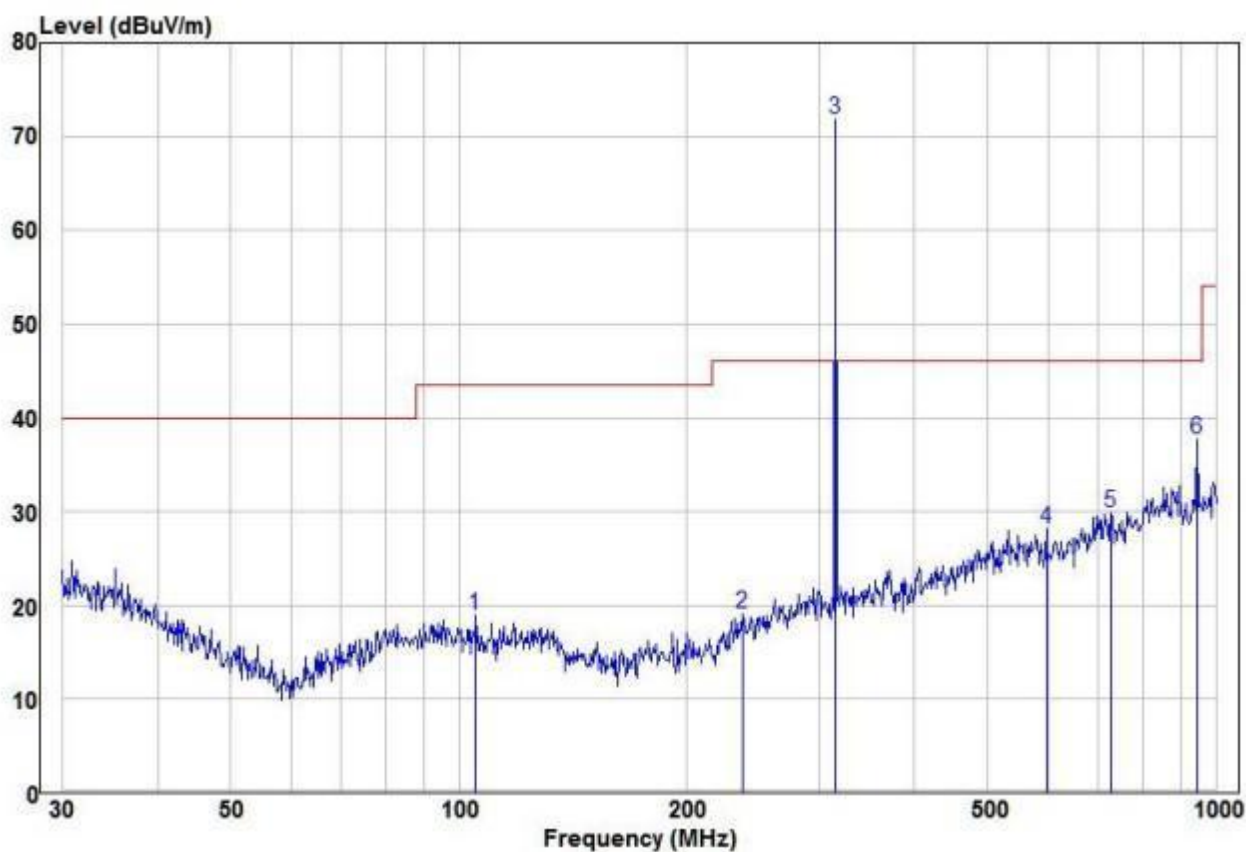
Below 1GHz (30MHz-1GHz)

Horizontal



| | Freq | Read Level | Factor | Level | Limit Line | Over Limit | Remark | Pol/Phase |
|------|--------|------------|--------|--------|------------|------------|--------|------------|
| | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | |
| 1 | 99.88 | 8.07 | 10.64 | 18.71 | 43.50 | -24.79 | Peak | HORIZONTAL |
| 2 | 275.16 | 9.49 | 12.91 | 22.40 | 46.00 | -23.60 | Peak | HORIZONTAL |
| 3 pp | 315.48 | 51.68 | 14.11 | 65.79 | 46.00 | 19.79 | Peak | HORIZONTAL |
| 4 | 444.85 | 9.34 | 16.57 | 25.91 | 46.00 | -20.09 | Peak | HORIZONTAL |
| 5 | 679.96 | 9.22 | 20.23 | 29.45 | 46.00 | -16.55 | Peak | HORIZONTAL |
| 6 | 842.13 | 8.83 | 24.10 | 32.93 | 46.00 | -13.07 | Peak | HORIZONTAL |

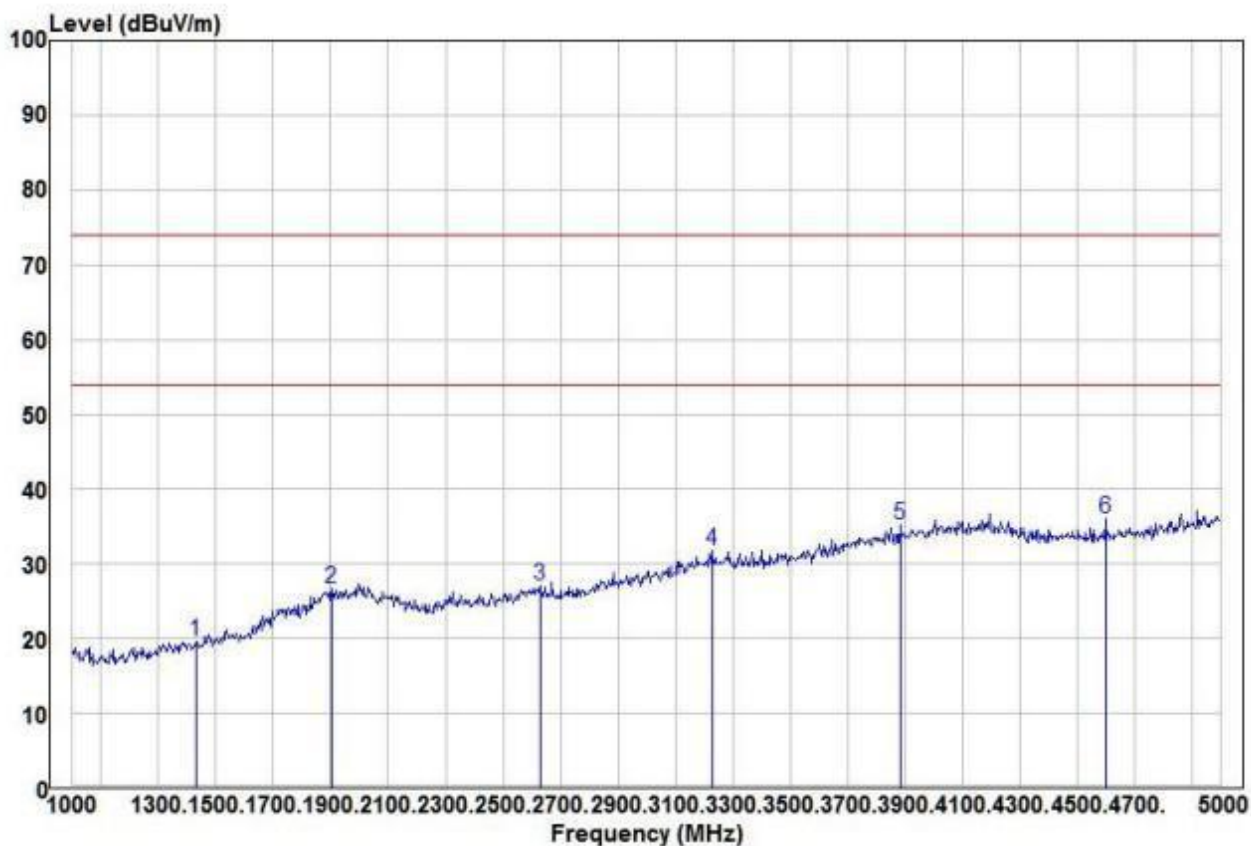
Vertical



| | Read | | | Limit | Over | | |
|------|--------|--------|--------|--------|-------|-------------|-----------|
| Freq | Level | Factor | Level | Line | Limit | Remark | Pol/Phase |
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | |
| 1 | 105.27 | 8.55 | 10.40 | 18.95 | 43.50 | -24.55 Peak | VERTICAL |
| 2 | 236.64 | 7.87 | 11.19 | 19.06 | 46.00 | -26.94 Peak | VERTICAL |
| 3 pp | 314.38 | 57.67 | 14.08 | 71.75 | 46.00 | 25.75 Peak | VERTICAL |
| 4 | 597.22 | 9.33 | 18.78 | 28.11 | 46.00 | -17.89 Peak | VERTICAL |
| 5 | 726.81 | 8.62 | 21.27 | 29.89 | 46.00 | -16.11 Peak | VERTICAL |
| 6 | 945.44 | 14.04 | 23.62 | 37.66 | 46.00 | -8.34 Peak | VERTICAL |

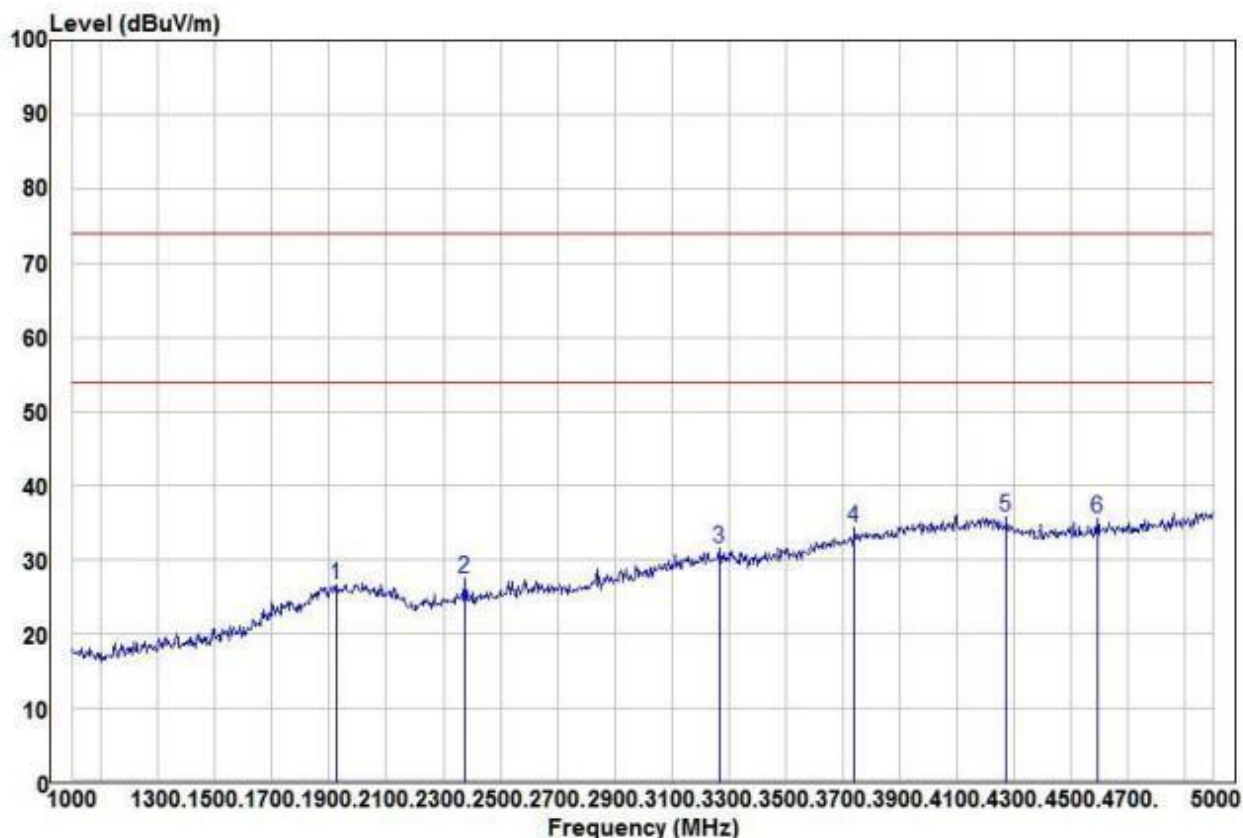
Above 1GHz(1GHz-5GHz)

Horizontal



| | Freq | Read Level | Factor | Level | Limit Line | Over Limit | Remark | Pol/Phase |
|------|---------|------------|--------|--------|------------|------------|--------|------------|
| | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | |
| 1 | 1428.00 | 33.91 | -14.29 | 19.62 | 74.00 | -54.38 | Peak | HORIZONTAL |
| 2 | 1904.00 | 34.87 | -8.16 | 26.71 | 74.00 | -47.29 | Peak | HORIZONTAL |
| 3 | 2628.00 | 35.10 | -7.94 | 27.16 | 74.00 | -46.84 | Peak | HORIZONTAL |
| 4 | 3228.00 | 36.74 | -5.02 | 31.72 | 74.00 | -42.28 | Peak | HORIZONTAL |
| 5 | 3884.00 | 37.32 | -2.14 | 35.18 | 74.00 | -38.82 | Peak | HORIZONTAL |
| 6 pp | 4600.00 | 37.77 | -1.81 | 35.96 | 74.00 | -38.04 | Peak | HORIZONTAL |

Vertical:

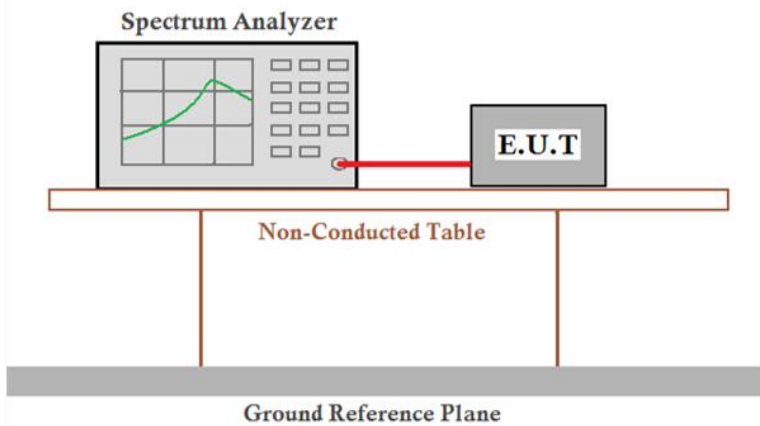


| | Freq | Read | Factor | Level | Limit | Over | Remark | Pol/Phase |
|------|---------|-------|--------|--------|--------|--------|--------|-----------|
| | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | |
| 1 | 1924.00 | 34.80 | -8.07 | 26.73 | 74.00 | -47.27 | Peak | VERTICAL |
| 2 | 2376.00 | 36.44 | -9.00 | 27.44 | 74.00 | -46.56 | Peak | VERTICAL |
| 3 | 3268.00 | 36.53 | -5.02 | 31.51 | 74.00 | -42.49 | Peak | VERTICAL |
| 4 | 3744.00 | 37.08 | -2.69 | 34.39 | 74.00 | -39.61 | Peak | VERTICAL |
| 5 pp | 4276.00 | 38.08 | -2.21 | 35.87 | 74.00 | -38.13 | Peak | VERTICAL |
| 6 | 4596.00 | 37.51 | -1.82 | 35.69 | 74.00 | -38.31 | Peak | VERTICAL |

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 2) The disturbance above 5GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 3) As shown in this section, for frequencies above 1GHz, the field the strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted aver average limits. Specified above by more than 20dB under any condition of modulation. So, only the peak measurements were show in the report.

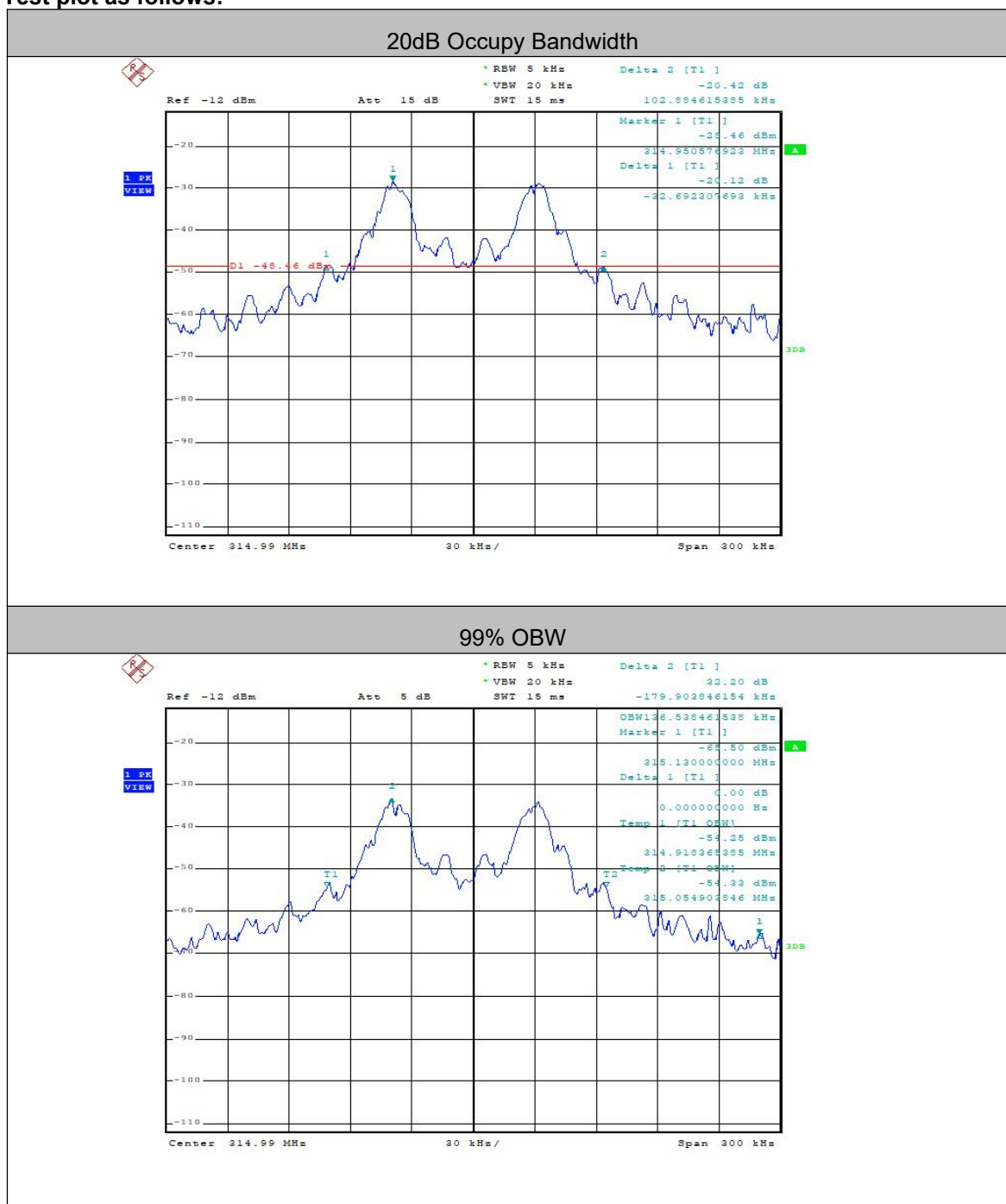
5.3 20dB Bandwidth

| | |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15C Section 15.231 (c) |
| Test Method: | ANSI C63.10:2013 |
| Limit: | The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier. |
| Test Setup: |  |
| Test Mode: | Transmitting mode |
| Test Results: | Pass |

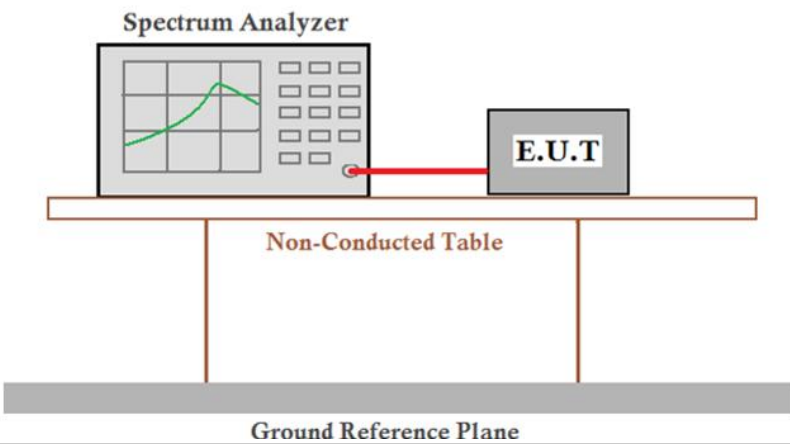
Measurement Data

| 20dB bandwidth (kHz) | Limit (kHz) | Results |
|----------------------|-------------|---------|
| 135.57 | 787.5 | PASS |

Test plot as follows:



5.4 Dwell time

| | |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15C Section 15.231 (a) |
| Test Method: | ANSI C63.10:2013 |
| Test Setup: |  |
| Test Mode: | Transmitting mode |
| Test Results: | Pass |

Requirements:

1. Regulation 15.231 (a) The provisions of this Section are restricted to periodic operation within the band 40.66~40.70 MHz and above 70 MHz. Except as shown in paragraph (e) of this Section, the intentional radiator is restricted to the transmission of a control signal such as those used with alarm systems, door openers, remote switches, etc. Radio control of toys is not permitted. Continuous transmissions, such as voice or video, and data transmissions are not permitted. The prohibition against data transmissions does not preclude the use of recognition codes. Those codes are used to identify the sensor that is activated or to identify the particular component as being part of the system.

Result:

The EUT is a remote switch without audio or video transmitted.

The EUT meets the requirements of this section.

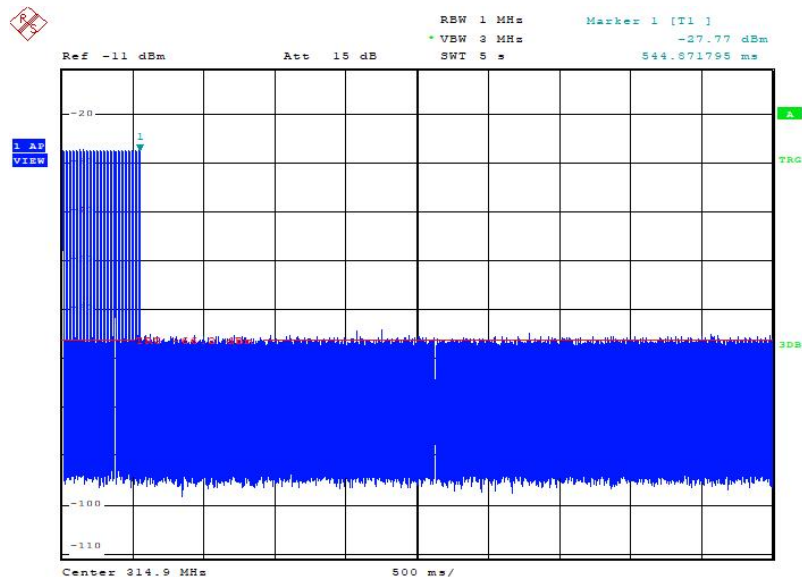
2. Regulation 15.231 (a1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Result:

The EUT does not manually operated transmitter

3. Regulation 15.231 (a2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

Result:



Result:

Pass

After the product is activated, it will stop transmitting after 544.87ms.

4. Regulation 15.231 (a3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions to determine system integrity of transmitters used in security or safety applications are allowed if the periodic rate of transmission does not exceed one transmission of not more than 2 second duration per hour for each transmitter.

Result:

The EUT does not employ periodic transmission.

5. Regulation 15.231 (a4) Intentional radiators which are employed for radio control purposes during emergencies involving fire, security, and safety of life, when activated to signal an alarm, may operate during the pendency of the alarm condition.

Result:

This section is not applicable to the EUT.

6 Photographs - EUT Test Setup

6.1 Radiated Emission

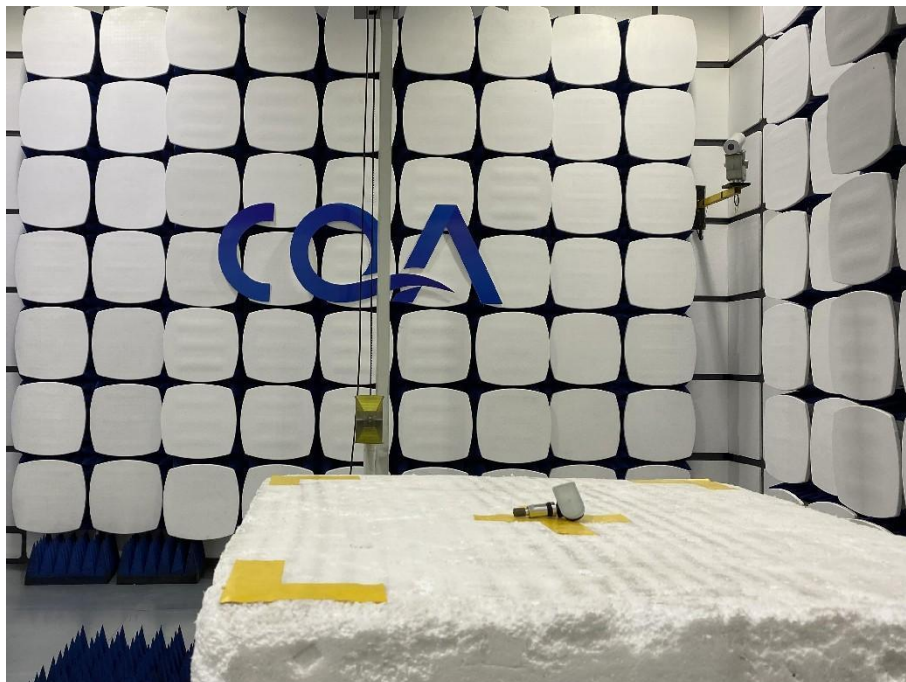
9kHz~30MHz:



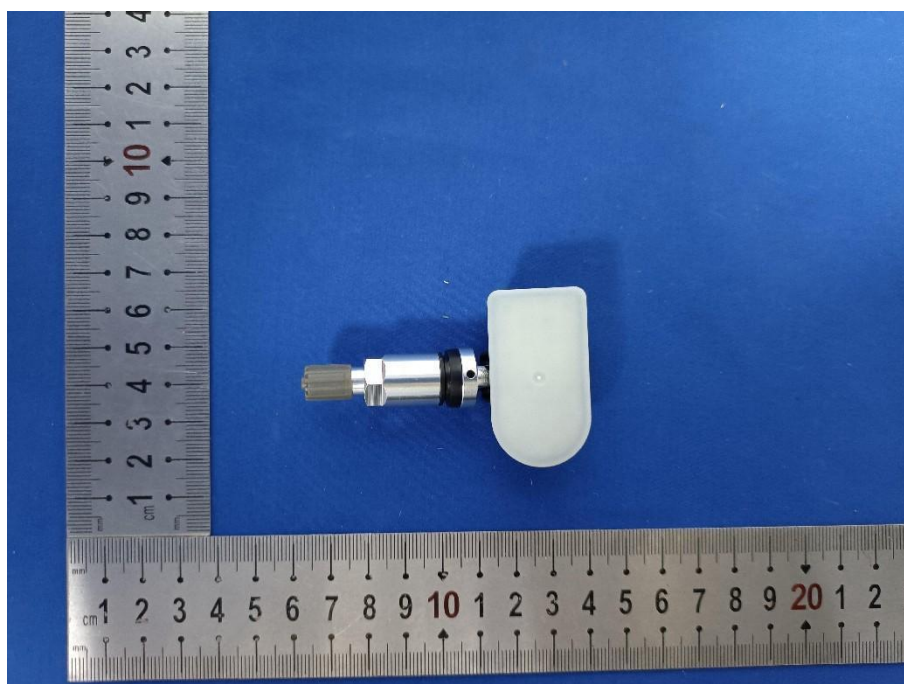
30MHz~1GHz:

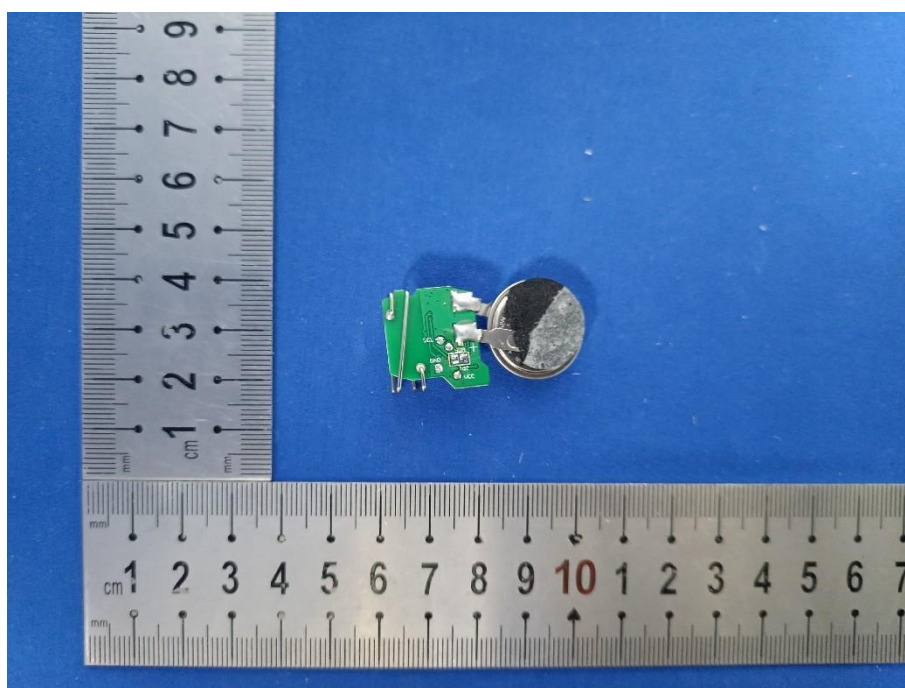
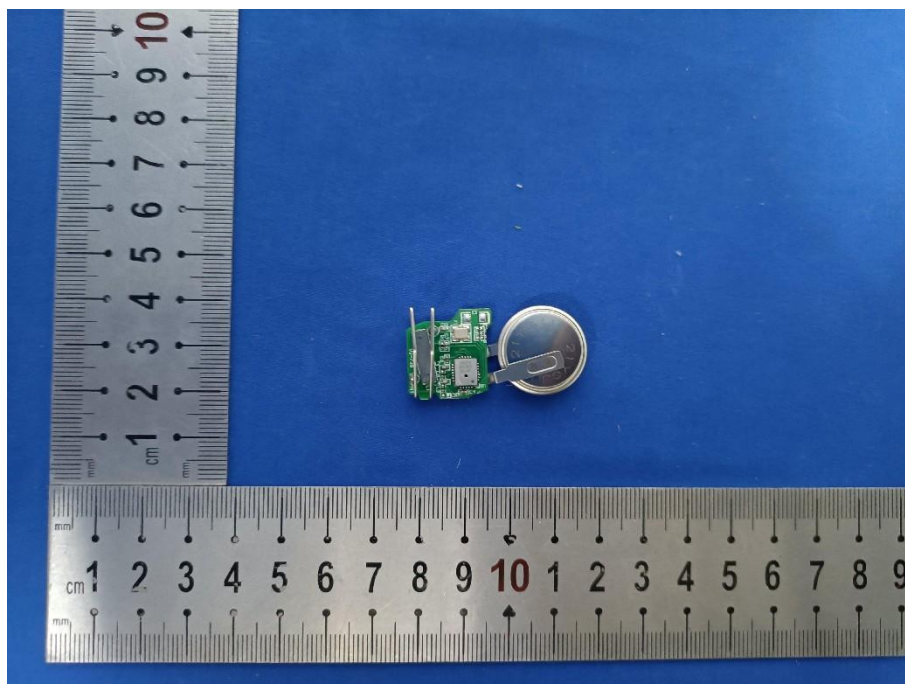


Above 1GHz:



7 Photographs - EUT Constructional Details





*** End of Report ***