# FCC Part 15C Test Report
## FCC ID:2BQ6CTW23

| | |
|---|---|
| Applicant: | Shenzhen Transtyle Electronics Co., Ltd |
| Address: | Room 801, Building 3, Hongzhi Technology Building No. 386 Huanguan Middle Road. Guanhu Street, Longhua District, Shenzhen City, China. |
| Manufacturer: | Shenzhen Transtyle Electronics Co., Ltd |
| Address: | Room 801, Building 3, Hongzhi Technology Building No. 386 Huanguan Middle Road. Guanhu Street, Longhua District, Shenzhen City, China. |
| Product Name: | Wireless Magnetic Power Bank with Earbuds |
| Trade Mark: | N/A |
| Model Number: | TW23, Power Bank Buds, pbudbl, pbudwh, pbudgm, pbudrg, pbudbu, pbudte, pbudpu, CW20, CW24, CW25, CW26 |
| Date of Receipt: | Dec. 11, 2025 |
| Test Date: | Dec. 11, 2025 to Dec. 16, 2025 |
| Date of Report: | Dec. 16, 2025 |
| Prepared By: | Shenzhen DL Testing Technology Co., Ltd. |
| Address: | 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China |
| Applicable Standards: | FCC Part15.209<br>ANSI C63.10:2020 |
| Test Result: | Pass |
| Report Number: | DLE-251216004R |

| | |
|---|---|
| Prepared (Test Engineer): | Dimon Tan |
| Reviewer (Supervisor): | Jack Bu |
| Approved (Manager): | Jade Yang |

*This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.*

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## 1. VERSION

| Report No. | Version | Description | Approved |
|---|---|---|---|
| DLE-251216004R | Rev.01 | Initial issue of report | Dec. 16, 2025 |
| | | | |

## 2. TEST SUMMARY

| Test Item | Section in CFR 47 | Result |
|---|---|---|
| Antenna requirement | 15.203 | Pass |
| AC Power Line Conducted Emission | 15.207 | Pass |
| Spurious Emission | 15.209(a)(f) | Pass |
| 20dB Bandwidth | 15.215 | Pass |

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

## 2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.
Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 692225
Designation Number: CN1299
IC Registered No.: 27033
CAB identifier: CN0110

## 2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %。

| No. | Item | Uncertainty |
|---|---|---|
| 1 | 3m camber Radiated spurious emission(9KHz-30MHz) | U=4.5dB |
| 2 | 3m camber Radiated spurious emission(30MHz-1GHz) | U=4.8dB |
| 3 | 3m chamber Radiated spurious emission(1GHz-6GHz) | U=4.9dB |
| 4 | 3m chamber Radiated spurious emission(6GHz-40GHz) | U=5.0dB |
| 5 | Conducted disturbance | U=3.2dB |
| 6 | RF conducted Spurious Emission | U=2.2dB |
| 7 | RF Occupied Bandwidth | U=1.8MHz |
| 8 | humidity uncertainty | U=5.3% |
| - | Temperature uncertainty | U=0.59℃ |

## 3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| Product Name: | Wireless Magnetic Power Bank with Earbuds |
| Model No.: | TW23 |
| Serial No.: | Power Bank Buds, pbudbl, pbudwh, pbudgm, pbudrg, pbudbu, pbudte, pbudpu, CW20, CW24, CW25, CW26 |
| Model Difference: | All the model are the same circuit and RF module, except model names and appearance color. |
| Hardware version: | N/A |
| Software version: | N/A |
| Operation Frequency: | 115kHz-205kHz |
| Modulation type: | ASK |
| Antenna Type: | loop coil antenna |
| Antenna gain: | 0dBi |
| Ratings: | Battery Capacity: 5000mAh 18.5Wh<br>USB-C input: 5V⎓3A, 9V⎓2A, 12V⎓1.5A (QC3.0 18W) Max<br>USB-C output 5V⎓3A, 9V⎓2A, 12V⎓1.5A (QC3.0 18W) Max<br>Wireless Charger Output: 5W, 7.5W, 10W Max |

3.2 Test mode

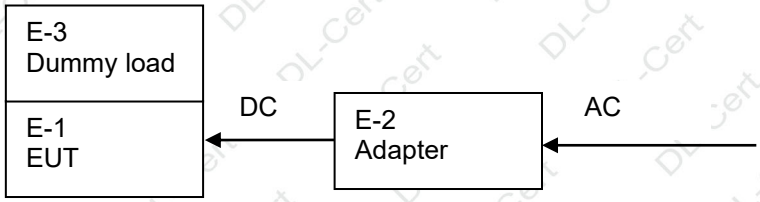
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Test Modes: | Description: |
|---|---|
| Coil ANT | Mode 1 :EUT + Dummy load (5W) |
| | Mode 2 :EUT + Dummy load (7.5W) |
| | Mode 3 :EUT + Dummy load (10W) |
| | Mode 4 :EUT + Dummy load (15W) |
| | Mode 5 : USB-C input 5V⎓3A + EUT + Dummy load (5W) |
| | Mode 6 : USB-C input 5V⎓3A + EUT + Dummy load (7.5W) |
| | Mode 7 : USB-C input 5V⎓3A + EUT + Dummy load (10W)* |
| | Mode 5 : USB-C input 9V⎓2A + EUT + Dummy load (5W) |
| | Mode 6 : USB-C input 9V⎓2A + EUT + Dummy load (7.5W) |
| | Mode 7 : USB-C input 9V⎓2A + EUT + Dummy load (10W) |
| | Mode 5 : USB-C input 12V⎓1.5A + EUT + Dummy load (5W) |
| | Mode 6 : USB-C input 12V⎓1.5A + EUT + Dummy load (7.5W) |
| | Mode 7 : USB-C input 12V⎓1.5A + EUT + Dummy load (10W) |
| No Loads | EUT |

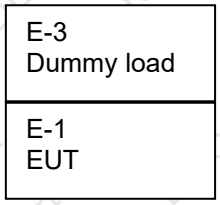
Note:
All test mode were tested and passed, only Conducted Emissions, Radiated Emissions shows (*) is the worst case mode which were recorded in this report.

3.3 Block Diagram of EUT Configuration

Conducted Emission




Radiated Emission




3.4 Test Conditions

Temperature: 23~26℃

Relative Humidity: 54~63 %

3.5 Description Of Support Units (Conducted Mode)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|---|---|---|---|---|---|
| E1 | Wireless Magnetic Power Bank with Earbuds | N/A | TW23 | N/A | EUT |
| E2 | AC ADAPTOR | UGREEN | X569 | N/A | Auxiliary |
| E3 | Dummy load | N/A | DL007 | N/A | Auxiliary |

| Item | Shielded Type | Ferrite Core | Length | Note |
|---|---|---|---|---|
| | | | | |
| | | | | |

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation test, Band-edge test and 6db bandwidth test equipment

| Item | Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|---|---|---|---|---|---|---|
| 1 | Spectrum Analyzer (9kHz-26.5GHz) | Agilent | E4408B | MY50140780 | Oct. 25, 2025 | Oct. 24, 2026 |
| 2 | Test Receiver (9kHz-7GHz) | R&S | ESRP7 | 101393 | Oct. 25, 2025 | Oct. 24, 2026 |
| 3 | Bilog Antenna (30MHz-1GHz) | R&S | VULB9162 | 00306 | Oct. 27, 2025 | Oct. 24, 2026 |
| 4 | Horn Antenna (1GHz-18GHz) | Schwarzbeck | BBHA9120D | 02139 | Oct. 27, 2025 | Oct. 24, 2026 |
| 5 | Horn Antenna (18GHz-40GHz) | A.H. Systems | SAS-574 | 588 | Oct. 25, 2025 | Oct. 24, 2026 |
| 6 | Amplifier (9KHz-6GHz) | Schwarzbeck | BBV9743B | 00153 | Oct. 25, 2025 | Oct. 24, 2026 |
| 7 | Amplifier (1GHz-18GHz) | EMEC | EM01G8GA | 00270 | Oct. 25, 2025 | Oct. 24, 2026 |
| 8 | Amplifier (18GHz-40GHz) | Quanjuda | DLE-161 | 97 | Oct. 25, 2025 | Oct. 24, 2026 |
| 9 | Loop Antenna (9KHz-30MHz) | Schwarzbeck | FMZB1519B | 00014 | Oct. 25, 2025 | Oct. 24, 2026 |
| 10 | RF cables1 (9kHz-1GHz) | ChengYu | 966 | 004 | Oct. 25, 2025 | Oct. 24, 2026 |
| 11 | RF cables2 (1GHz-40GHz) | ChengYu | 966 | 003 | Oct. 25, 2025 | Oct. 24, 2026 |
| 12 | Antenna connector | Florida RF Labs | N/A | RF 01# | Oct. 25, 2025 | Oct. 24, 2026 |
| 13 | Power probe | KEYSIGHT | U2021XA | MY55210018 | Oct. 25, 2025 | Oct. 24, 2026 |
| 14 | Signal Analyzer 9kHz-26.5GHz | Agilent | N9020A | MY55370280 | Oct. 25, 2025 | Oct. 24, 2026 |
| 15 | Test Receiver 20kHz-40GHz | R&S | ESU 40 | 100376 | Oct. 25, 2025 | Oct. 24, 2026 |
| 16 | D.C. Power Supply | LongWei | PS-305D | 010964729 | Oct. 25, 2025 | Oct. 24, 2026 |
| 17 | Power meter | KEYSIGHT | N1912AP | 926431 | Oct. 25, 2025 | Oct. 24, 2026 |

Conduction Test equipment

| Item | Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|---|---|---|---|---|---|---|
| 1 | 843 Shielded Room | ChengYu | 843 Room | 843 | Nov. 05, 2023 | Nov. 04, 2026 |
| 2 | EMI Receiver | R&S | ESR | 101421 | Oct. 25, 2025 | Oct. 24, 2026 |
| 3 | LISN | R&S | ENV216 | 102417 | Oct. 25, 2025 | Oct. 24, 2026 |
| 4 | 843 Cable 1# | ChengYu | CE Cable | 001 | Oct. 25, 2025 | Oct. 24, 2026 |

Other

| Item | Name | Manufacturer | Model | Software version |
|---|---|---|---|---|
| 1 | EMC Conduction Test System | FALA | EZ_EMC | EMC-CON 3A1.1 |
| 2 | EMC radiation test system | FALA | EZ_EMC | FA-03A2 |
| 3 | RF test system | MAIWEI | MTS8310 | 2.0.0.0 |
| 4 | RF communication test system | MAIWEI | MTS8200 | 2.0.0.0 |

## 4. CONDUCTED EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

| | |
|---|---|
| Test Requirement: | FCC Part15 C Section 15.207 |
| Test Method: | ANSI C63.10:2020 |
| Test Frequency Range: | 150KHz to 30MHz |
| Receiver setup: | RBW=9KHz, VBW=30KHz, Sweep time=auto |

#### 4.1.1 POWER LINE CONDUCTED EMISSION Limits

| FREQUENCY (MHz) | Limit (dBuV) | | Standard |
|---|---|---|---|
| | Quas -peak | Average | |
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * | FCC |
| 0.50 -5.0 | 56.00 | 46.00 | FCC |
| 5.0 -30.0 | 60.00 | 50.00 | FCC |

Note:

(1) *Decreases with the logarithm of the frequency.

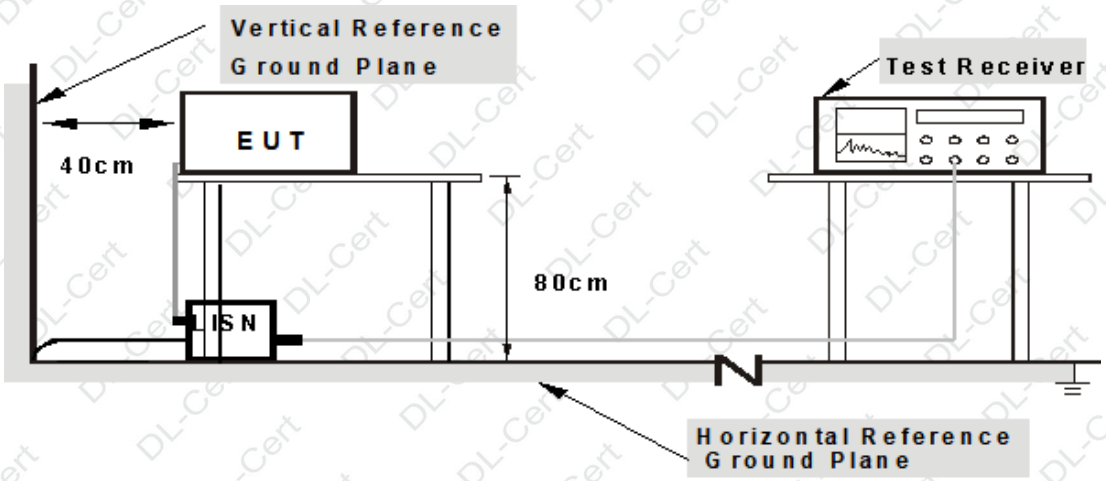
#### 4.1.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



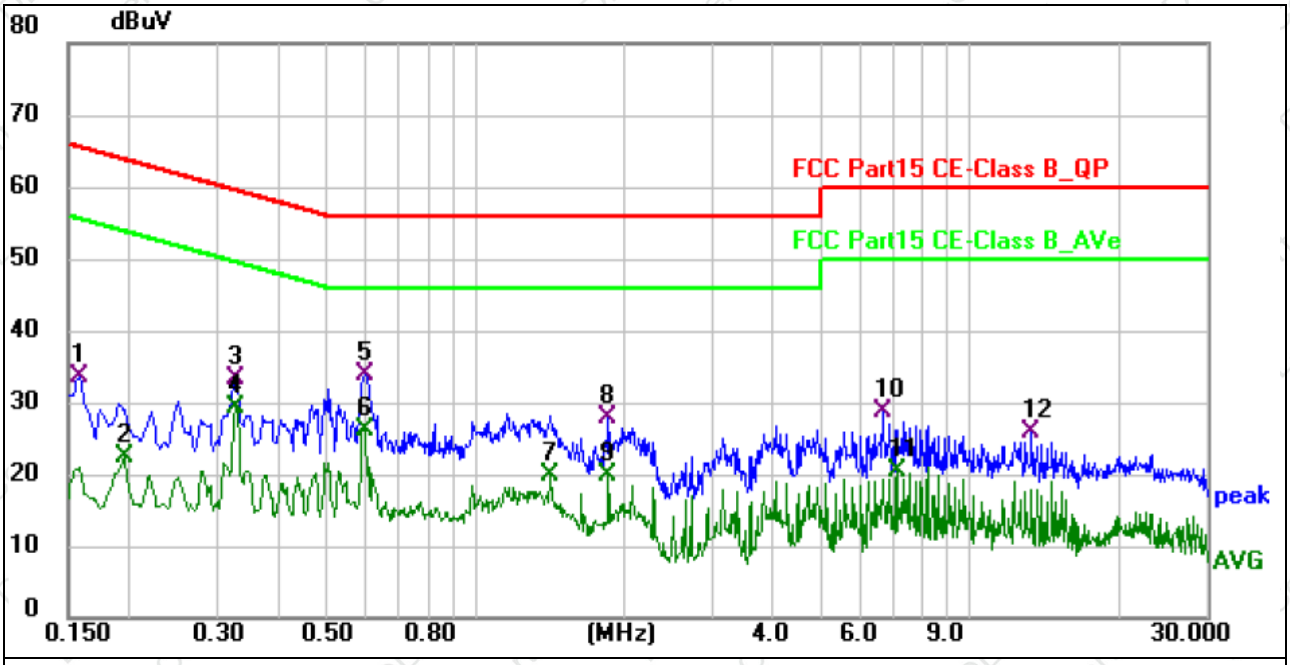

Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80
from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.1.6 Test Result

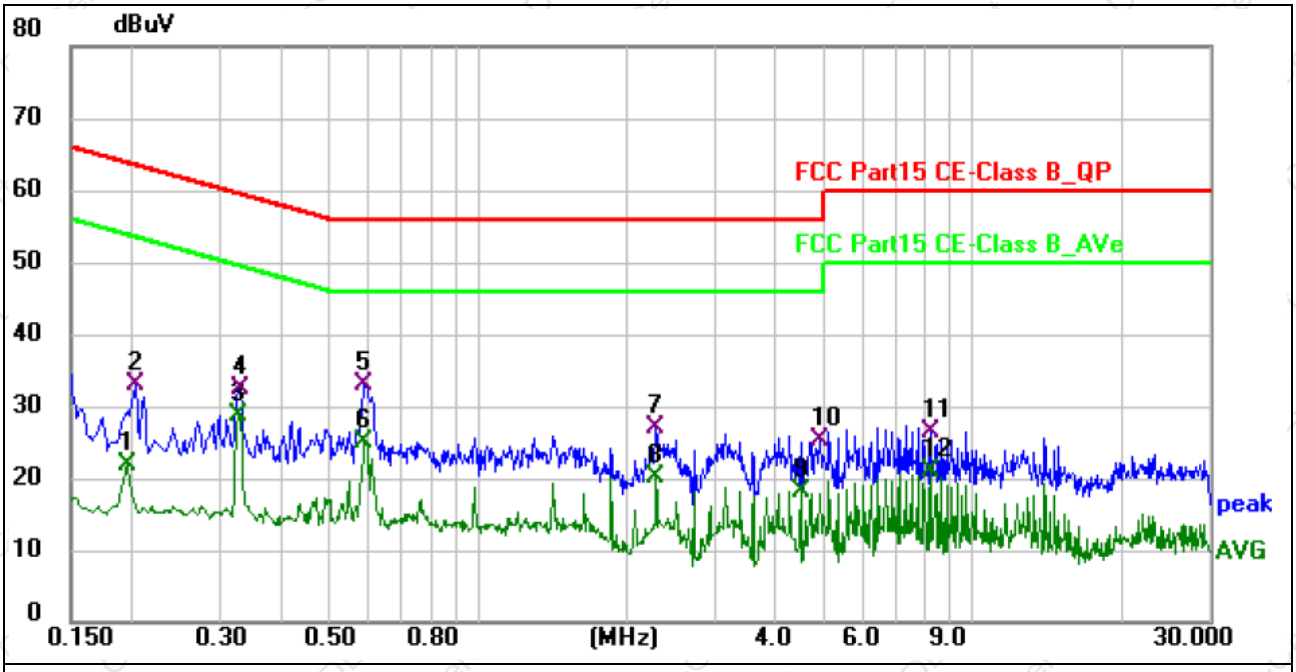
| | | | |
|---|---|---|---|
| Temperature： | 26℃ | Relative Humidity： | 54% |
| Pressure： | 101kPa | Phase : | L |
| Test Voltage ： | AC 120V/60Hz | Test Mode: | Mode 7 |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.1580 | 23.93 | 9.72 | 33.65 | 65.57 | -31.92 | QP | P |
| 2 | 0.1940 | 12.63 | 9.72 | 22.35 | 53.86 | -31.51 | AVG | P |
| 3 | 0.3260 | 23.46 | 9.72 | 33.18 | 59.55 | -26.37 | QP | P |
| 4 | 0.3260 | 19.57 | 9.72 | 29.29 | 49.55 | -20.26 | AVG | P |
| 5 | 0.5940 | 24.15 | 9.72 | 33.87 | 56.00 | -22.13 | QP | P |
| 6 * | 0.5940 | 16.52 | 9.72 | 26.24 | 46.00 | -19.76 | AVG | P |
| 7 | 1.4220 | 10.02 | 9.73 | 19.75 | 46.00 | -26.25 | AVG | P |
| 8 | 1.8580 | 17.99 | 9.74 | 27.73 | 56.00 | -28.27 | QP | P |
| 9 | 1.8580 | 10.16 | 9.74 | 19.90 | 46.00 | -26.10 | AVG | P |
| 10 | 6.6620 | 18.86 | 9.78 | 28.64 | 60.00 | -31.36 | QP | P |
| 11 | 7.1020 | 10.70 | 9.78 | 20.48 | 50.00 | -29.52 | AVG | P |
| 12 | 13.3140 | 15.91 | 9.83 | 25.74 | 60.00 | -34.26 | QP | P |

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.Mesurement Level = Reading level + Correct Factor

| Temperature： | 26℃ | Relative Humidity： | 54% |
|---|---|---|---|
| Pressure： | 101kPa | Phase : | N |
| Test Voltage ： | AC 120V/60Hz | Test Mode: | Mode 7 |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.1940 | 12.28 | 9.70 | 21.98 | 53.86 | -31.88 | AVG | P |
| 2 | 0.2020 | 23.17 | 9.70 | 32.87 | 63.53 | -30.66 | QP | P |
| 3 * | 0.3260 | 19.11 | 9.70 | 28.81 | 49.55 | -20.74 | AVG | P |
| 4 | 0.3300 | 22.78 | 9.70 | 32.48 | 59.45 | -26.97 | QP | P |
| 5 | 0.5899 | 23.30 | 9.71 | 33.01 | 56.00 | -22.99 | QP | P |
| 6 | 0.5899 | 15.15 | 9.71 | 24.86 | 46.00 | -21.14 | AVG | P |
| 7 | 2.2940 | 17.33 | 9.73 | 27.06 | 56.00 | -28.94 | QP | P |
| 8 | 2.2940 | 10.43 | 9.73 | 20.16 | 46.00 | -25.84 | AVG | P |
| 9 | 4.4820 | 8.34 | 9.75 | 18.09 | 46.00 | -27.91 | AVG | P |
| 10 | 4.9140 | 15.56 | 9.75 | 25.31 | 56.00 | -30.69 | QP | P |
| 11 | 8.1940 | 16.59 | 9.78 | 26.37 | 60.00 | -33.63 | QP | P |
| 12 | 8.1940 | 11.30 | 9.78 | 21.08 | 50.00 | -28.92 | AVG | P |

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.Mesurement Level = Reading level + Correct Factor

## 5. RADIATED EMISSION MEASUREMENT

| | |
|---|---|
| Test Requirement: | FCC Part15 C Section 15.209 |
| Test Method: | ANSI C63.10:2020 |
| Test Frequency Range: | 9kHz to 1GHz |
| 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 | 100KHz | 300KHz | Quasi-peak |
| Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| | Peak | 1MHz | 10Hz | Average |

5.1 Radiated Emission Limits

**Limits for frequency below 30MHz**

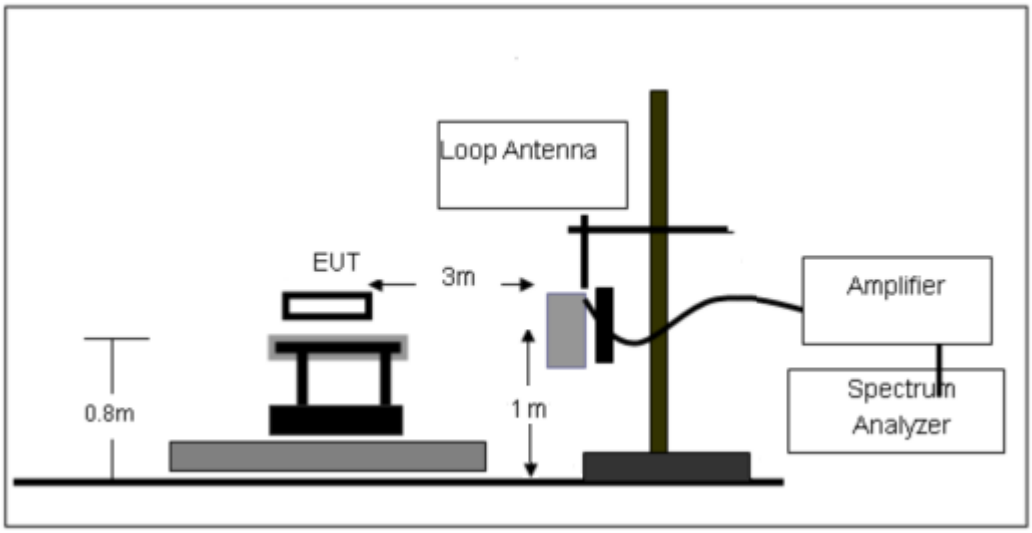
| Frequency | Limit (uV/m) | Measurement Distance(m) | Remark |
|---|---|---|---|
| 0.009-0.490 | 2400/F(kHz) | 300 | Quasi-peak Value |
| 0.490-1.705 | 24000/F(kHz) | 30 | Quasi-peak Value |
| 1.705-30 | 30 | 30 | Quasi-peak Value |

**Limits for frequency Above 30MHz**

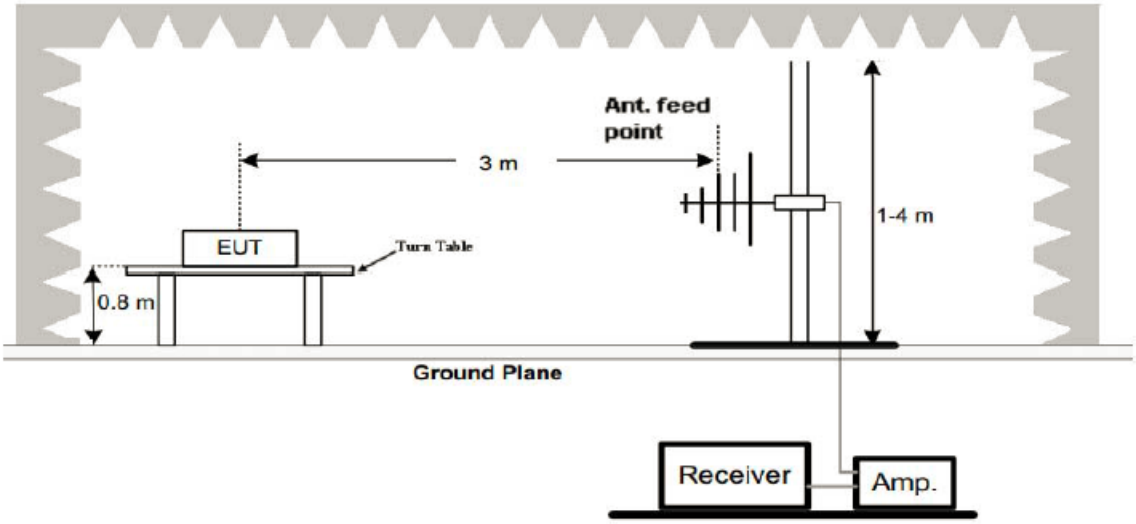
| Frequency | Limit (dBuV/m @3m) | Remark |
|---|---|---|
| 30MHz-88MHz | 40.00 | Quasi-peak Value |
| 88MHz-216MHz | 43.50 | Quasi-peak Value |
| 216MHz-960MHz | 46.00 | Quasi-peak Value |
| 960MHz-1GHz | 54.00 | Quasi-peak Value |
| Above 1GHz | 54.00 | Average Value |
| | 74.00 | Peak Value |

5.2 Anechoic Chamber Test Setup Diagram

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




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




The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.205 limits.

5.3 Test Procedure

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna (calibrated by dipole antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement.

5.4 DEVIATION FROM TEST STANDARD

No deviation

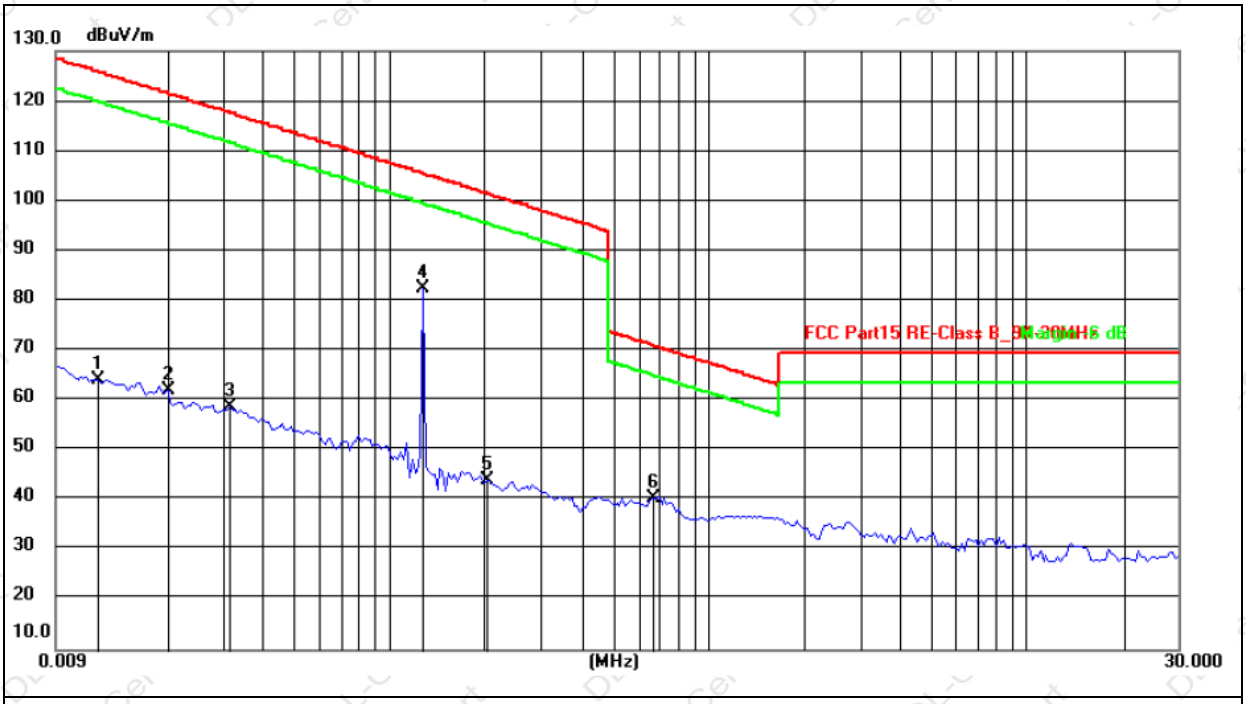
5.5 Test Result

Measurement data:

Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80
Limit dBuV/m @3m = Limit dBuV/m @30m + 40

9 kHz~30 MHz

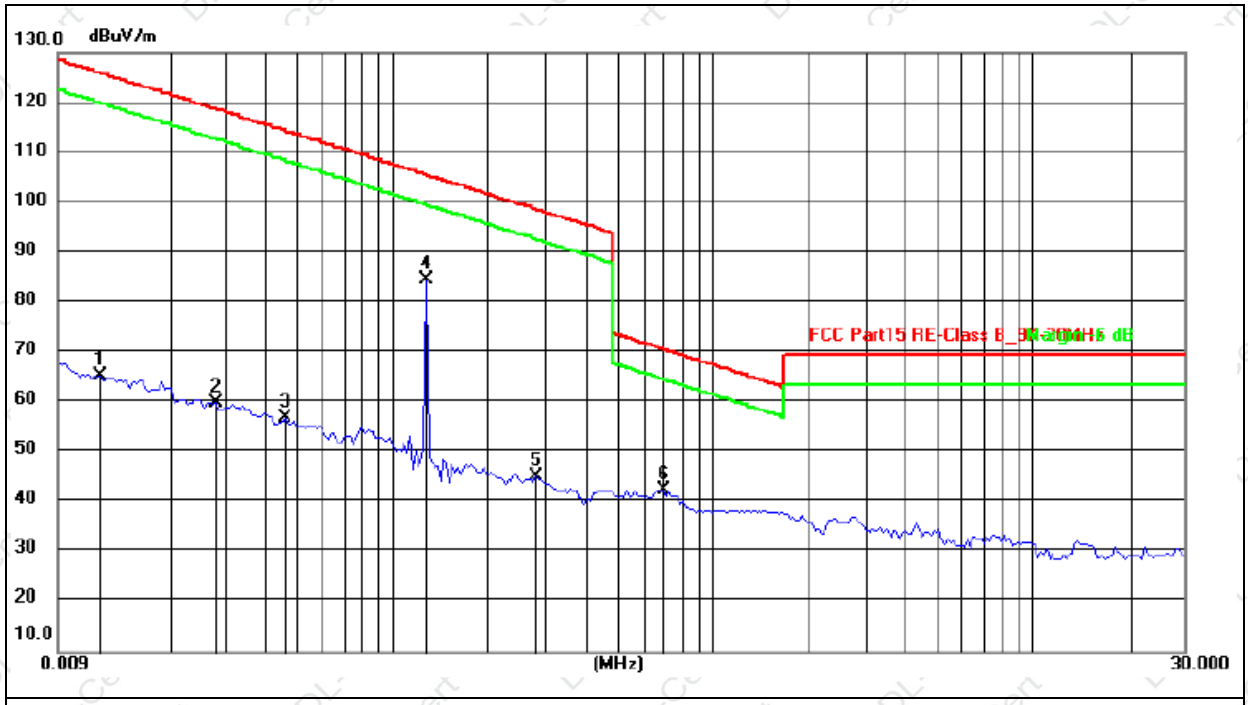
| | | | |
|---|---|---|---|
| Temperature: | 26℃ | Relative Humidity: | 54% |
| Pressure: | 101 kPa | Polarization: | coaxial |
| Test Voltage: | DC 3.87V | Test mode: | Mode 7 |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 0.0120 | 43.77 | 20.53 | 64.30 | 126.02 | -61.72 | peak |
| 2 | 0.0200 | 41.56 | 20.45 | 62.01 | 121.58 | -59.57 | peak |
| 3 | 0.0316 | 38.57 | 20.18 | 58.75 | 117.61 | -58.86 | peak |
| 4 | 0.1268 | 62.52 | 19.92 | 82.44 | 105.54 | -23.10 | peak |
| 5 | 0.2043 | 23.99 | 20.09 | 44.08 | 101.40 | -57.32 | peak |
| 6 | 0.6763 | 20.10 | 20.36 | 40.46 | 71.00 | -30.54 | peak |

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.

| Temperature: | 26℃ | Relative Humidity: | 54% |
|---|---|---|---|
| Pressure: | 101 kPa | Polarization: | coplanar |
| Test Voltage: | DC 3.87V | Test mode: | Mode 7 |

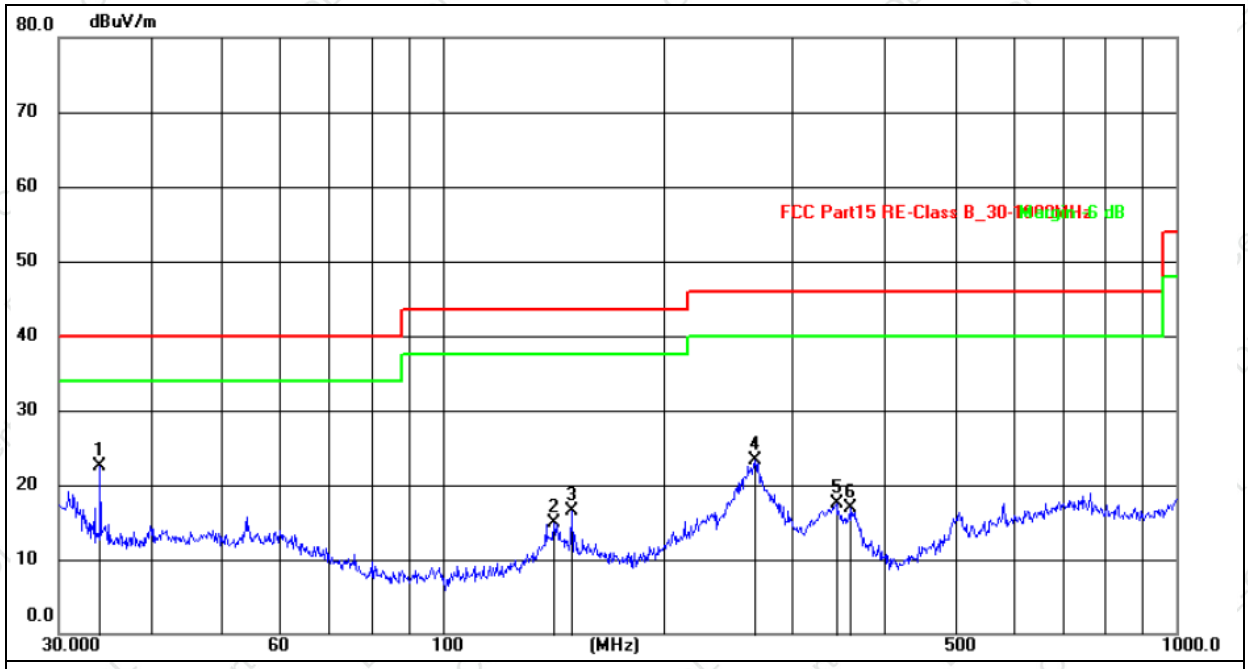



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 0.0120 | 44.77 | 20.53 | 65.30 | 126.02 | -60.72 | peak |
| 2 | 0.0280 | 39.71 | 20.26 | 59.97 | 118.66 | -58.69 | peak |
| 3 | 0.0463 | 37.05 | 19.84 | 56.89 | 114.29 | -57.40 | peak |
| 4 | 0.1268 | 64.52 | 19.92 | 84.44 | 105.54 | -21.10 | peak |
| 5 | 0.2827 | 25.03 | 20.12 | 45.15 | 98.58 | -53.43 | peak |
| 6 | 0.7043 | 22.25 | 20.38 | 42.63 | 70.65 | -28.02 | peak |

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.

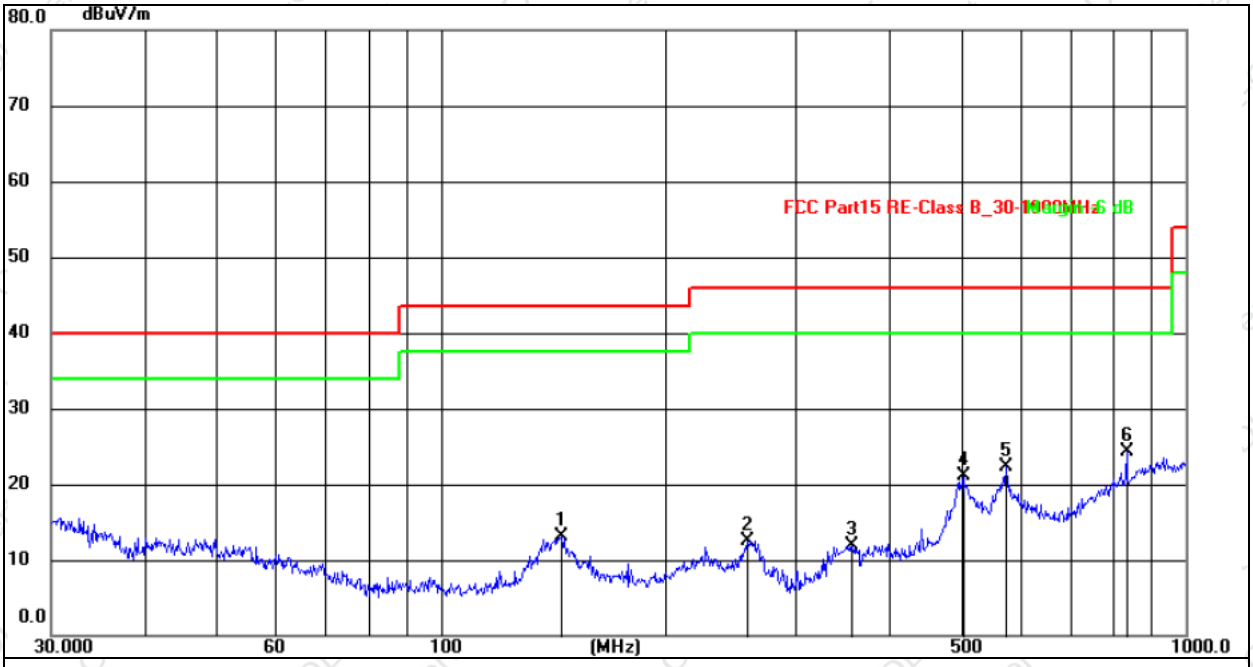
30MHz-1GHz

| Temperature: | 26℃ | Relative Humidity: | 54% |
|---|---|---|---|
| Pressure: | 101 kPa | Polarization: | Horizontal |
| Test Voltage: | DC 3.87V | Test Mode: | Mode 7 |




| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 34.1559 | 38.54 | -16.11 | 22.43 | 40.00 | -17.57 | QP |
| 2 | 141.8262 | 33.98 | -19.12 | 14.86 | 43.50 | -28.64 | QP |
| 3 | 150.0107 | 35.43 | -18.94 | 16.49 | 43.50 | -27.01 | QP |
| 4 | 266.6089 | 42.60 | -19.25 | 23.35 | 46.00 | -22.65 | QP |
| 5 | 344.3854 | 39.01 | -21.48 | 17.53 | 46.00 | -28.47 | QP |
| 6 | 359.1859 | 38.26 | -21.45 | 16.81 | 46.00 | -29.19 | QP |

| | | | |
|---|---|---|---|
| Temperature: | 26℃ | Relative Humidity: | 54% |
| Pressure: | 101kPa | Polarization: | Vertical |
| Test Voltage: | DC 3.87V | Test Mode: | Mode 7 |



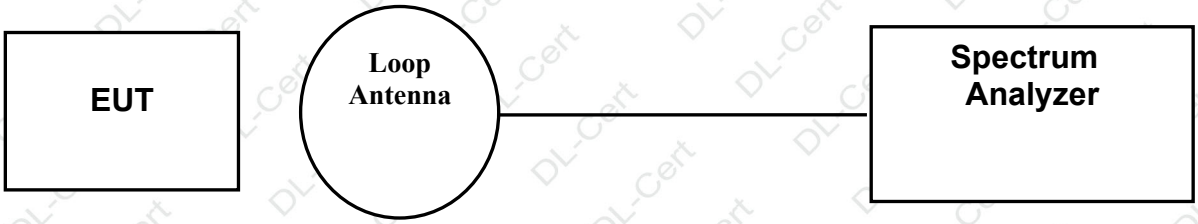

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 145.3505 | 36.24 | -23.04 | 13.20 | 43.50 | -30.30 | QP |
| 2 | 258.3263 | 36.29 | -23.69 | 12.60 | 46.00 | -33.40 | QP |
| 3 | 356.6757 | 33.16 | -21.18 | 11.98 | 46.00 | -34.02 | QP |
| 4 | 502.9395 | 37.58 | -16.55 | 21.03 | 46.00 | -24.97 | QP |
| 5 | 574.6258 | 36.42 | -14.07 | 22.35 | 46.00 | -23.65 | QP |
| 6 | 833.3170 | 33.14 | -8.84 | 24.30 | 46.00 | -21.70 | QP |

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.

## 6. BANDWIDTH TEST

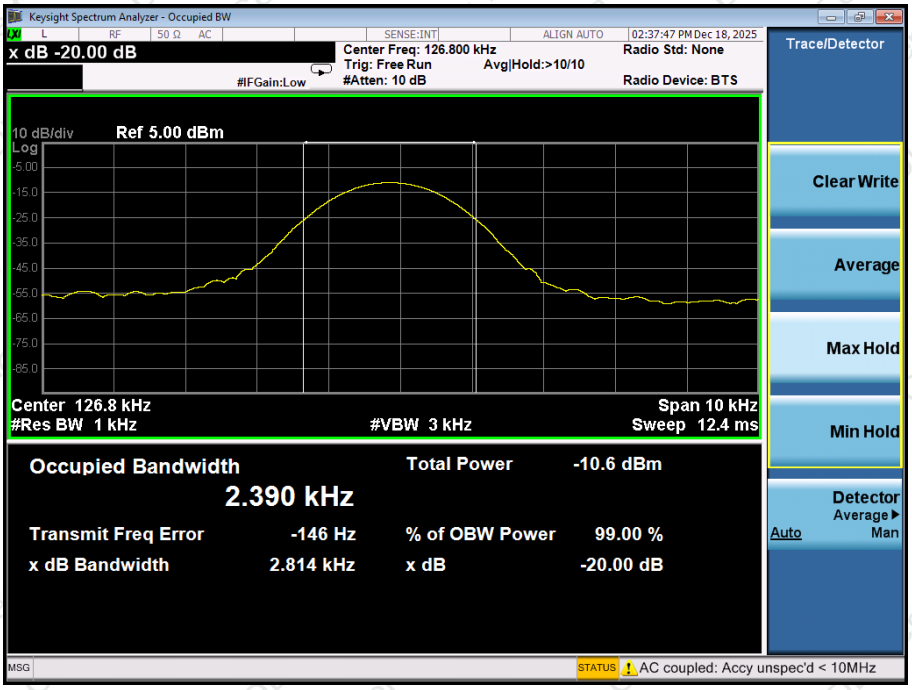
1. Set RBW = 1%~5% OBW.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP



| | | | |
|---|---|---|---|
| Temperature： | 26 ℃ | Relative Humidity： | 54% |
| Pressure： | 101kPa | | |

| Test Coil | Frequency (KHz) | 20dB bandwidth (KHz) | Result |
|---|---|---|---|
| loop coil antenna | 126.8 | 2.814 | Pass |




Note: Regarding the WPT type of CW signal, it is unable to meet the requirements of ANSI C63.10-2020, which stipulates that the RBW should be within the range of 1% to 5% of the OBW.

## 7. ANTENNA REQUIREMENT

| Standard requirement: | FCC Part15 C Section 15.203 |
|---|---|
| 15.203 requirement:<br>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. | |
| EUT Antenna: | |
| The antenna is Loop antenna, the best case gain of the antennas is 0dBi, reference to the appendix II for details | |
| | |

## 8. TEST SETUP PHOTO

Reference to the appendix I for details.

## 9. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

※※※※※ **END OF REPORT** ※※※※※