



# FCC TEST REPORT

## FCC ID:2A7HQ-M3050-00

**Report Number**..... : ZHT-241021110W01-1

**Date of Test**..... : Oct. 21, 2024 to Nov. 19, 2024

**Date of issue**..... : Nov. 20, 2024

**Test Result** ..... : PASS

**Testing Laboratory**..... : Guangdong Zhonghan Testing Technology Co., Ltd.

**Address** ..... : Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

**Applicant's name** ..... : RITS ELECTRONICS(SHENZHEN)CO., LTD.

**Address** ..... : Bld F, Chengjian Industrial Zone, No. 1 Lingxia Road Fenghuang Community, Fuyong District, Baoan Zone, ShenZhen City, GuangDong, China

**Manufacturer's name** ..... : RITS ELECTRONICS(SHENZHEN)CO., LTD.

**Address** ..... : Bld F, Chengjian Industrial Zone, No. 1 Lingxia Road Fenghuang Community, Fuyong District, Baoan Zone, ShenZhen City, GuangDong, China

**Test specification:**

**Standard**..... : FCC CFR Title 47 Part 15 Subpart C

**Test procedure**..... : ANSI C63.10-2013

**Non-standard test method** ..... : N/A

This device described above has been tested by ZHT, and the test resul/ show that the equipment under test (EUT) is in compliance with the FCC requiremen/. And it is applicable only to the tested sample identified in the report.

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**Product name**..... : Wireless Charging Car Holder

**Trademark** ..... : Mighty Mount

**Model/Type reference**..... : M3050-00

**Model Difference**..... /

**Ratings**..... Input: 5-12V  
Wireless output:5 W/7.5 W/10 W/15 W



Testing procedure and testing location:

Testing Laboratory..... Guangdong Zhonghan Testing Technology Co., Ltd.

Address..... Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Tested by (name + signature)..... Kimi Lu

*Kimi Lu*

Reviewer (name + signature)..... Baret Wu

*Baret Wu*

Approved (name + signature)..... Levi Lee

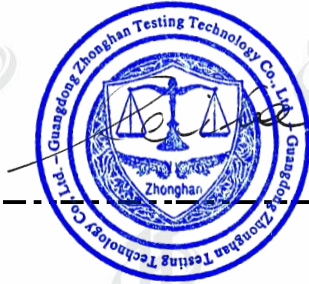




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1. VERSION

| Report No.         | Version | Description             | Approved      |
|--------------------|---------|-------------------------|---------------|
| ZHT-241021110W01-1 | Rev.01  | Initial issue of report | Nov. 20, 2024 |
|                    |         |                         |               |
|                    |         |                         |               |



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

Guangdong Zhonghan Testing Technology Co., Ltd.  
Add. : Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District  
Shenzhen, Guangdong, China

FCC Registration Number:255941  
Designation Number: CN0325  
IC Registered No.: 29832  
CAB identifier: CN0143

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded 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   | Conducted Emission Test           | $\pm 1.38\text{dB}$     |
| 2   | RF conducted power                | $\pm 0.16\text{dB}$     |
| 3   | Conducted spurious emissions      | $\pm 0.21\text{dB}$     |
| 4   | All radiated emissions (9k-30MHz) | $\pm 4.68\text{dB}$     |
| 5   | All radiated emissions (<1G)      | $\pm 4.68\text{dB}$     |
| 6   | All radiated emissions (>1G)      | $\pm 4.89\text{dB}$     |
| 7   | Temperature                       | $\pm 0.5^\circ\text{C}$ |
| 8   | Humidity                          | $\pm 2\%$               |
| 9   | Occupied Bandwidth                | $\pm 4.96\%$            |



### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

|                      |                              |
|----------------------|------------------------------|
| Product Name:        | Wireless Charging Car Holder |
| Test Model No:       | M3050-00                     |
| Hardware version:    | V1.0                         |
| Software version:    | V1.0                         |
| Operation Frequency: | 110.1-205KHz                 |
| Modulation type:     | MSK                          |
| Antenna Type:        | Coil Antenna                 |
| Antenna gain:        | 0dBi                         |

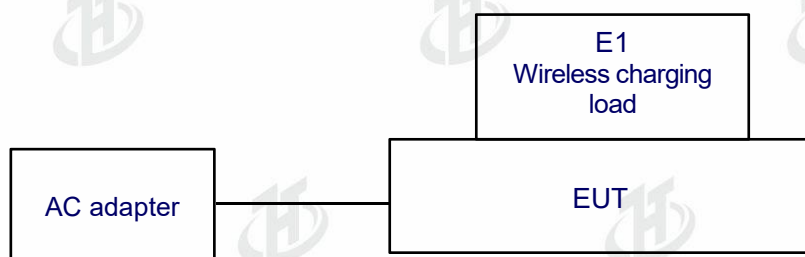
#### 3.2 Test mode

| Test Modes: |                                    |
|-------------|------------------------------------|
| Mode 1      | AC adapter wireless charging(15W)  |
| Mode 2      | AC adapter wireless charging(10W)  |
| Mode 3      | AC adapter wireless charging(7.5W) |
| Mode 4      | AC adapter wireless charging(5W)   |

Note: All full load, half load, and no-load tests have been conducted in each mode, only the worst-case was recorded in the report. Mode 1 full load is the worst mode.

2.The EUT not supports portable use.

#### 3.3 Block Diagram of EUT Configuration



#### 3.4 Test Conditions

Temperature: 23~26℃

Relative Humidity: 54~63 %



### 3.5 Description Of Support Uni/ (Conducted Mode)

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

| Item | Equipment              | Mfr/Brand | Model/Type No.  | Series No. | Note |
|------|------------------------|-----------|-----------------|------------|------|
| E-1  | Wireless charging load | N/A       | EESON           | N/A        | AE   |
| E-2  | AC adapter             | N/A       | CHG-WALL-PD-45W | N/A        | AE   |
|      |                        |           |                 |            |      |

| 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 equipment

| Item | Equipment                          | Manufacturer | Model               | Serial No. | Last Cal.     | Next Cal.     |
|------|------------------------------------|--------------|---------------------|------------|---------------|---------------|
| 1    | Receiver                           | R&S          | ESCI                | 100874     | May 10, 2024  | May 09, 2025  |
| 2    | Loop antenna                       | EMCI         | LAP600              | 272        | May 10, 2024  | May 09, 2025  |
| 3    | Amplifier                          | Schwarzbeck  | BBV 9743 B          | 00378      | May 10, 2024  | May 09, 2025  |
| 4    | Amplifier                          | Schwarzbeck  | BBV 9718 B          | 00040      | May 10, 2024  | May 09, 2025  |
| 5    | Bilog Antenna                      | Schwarzbeck  | VULB9162            | 00498      | May 28, 2024  | May 27, 2025  |
| 6    | Horn Antenna                       | Schwarzbeck  | BBHA9120D           | 02623      | May 16, 2024  | May 15, 2025  |
| 7    | Horn Antenna                       | A.H.SYSTEMS  | SAS574              | 588        | May 10, 2024  | May 09, 2025  |
| 8    | Amplifier                          | AEROFLEX     | 100KHz-40GHz        | 097        | May 10, 2024  | May 09, 2025  |
| 9    | Spectrum Analyzer                  | R&S          | FSV40               | 101413     | May 16, 2024  | May 15, 2025  |
| 10   | 966 Anechoic Chamber               | EMToni       | 9m6m6m              | /          | Nov. 25, 2021 | Nov. 24, 2024 |
| 11   | Spectrum Analyzer                  | KEYSIGHT     | N9020A              | MY53420208 | May 10, 2024  | May 09, 2025  |
| 12   | WIDBAND RADIO COMMUNICATION TESTER | R&S          | CMW500              | 109863     | May 10, 2024  | May 09, 2025  |
| 13   | Single Generator                   | Agilent      | N5182A              | MY48180575 | May 10, 2024  | May 09, 2025  |
| 14   | Power Sensor                       | MWRFtest     | MW100-RFCB          | /          | May 10, 2024  | May 09, 2025  |
| 15   | Power Amplifier Shielding Room     | EMToni       | 2m3m3m              | /          | Nov. 25, 2021 | Nov. 24, 2024 |
| 16   | CABLE                              | EMToni       | DA800-NM-NM-11000MM | /          | May 10, 2024  | May 09, 2025  |



Conduction Test equipment

| Equipment                 | Manufacturer | Model                   | Serial No.  | Last Cal.     | Next Cal.     |
|---------------------------|--------------|-------------------------|-------------|---------------|---------------|
| Receiver                  | R&S          | ESCI                    | 100874      | May 10, 2024  | May 09, 2025  |
| LISN                      | R&S          | ENV216                  | 102794      | May 10, 2024  | May 09, 2025  |
| ISN CAT 6                 | Schwarzbeck  | NTFM 8158               | 00318       | May 10, 2024  | May 09, 2025  |
| ISN CAT 5                 | Schwarzbeck  | CAT5 8158               | 00343       | May 10, 2024  | May 09, 2025  |
| Capacitive Voltage Probe  | Schwarzbeck  | CVP 9222 C              | 00101       | May 10, 2024  | May 09, 2025  |
| Current Transformer Clamp | Schwarzbeck  | SW 9605                 | SW9605 #209 | May 10, 2024  | May 09, 2025  |
| CE Shielding Room         | EMToni       | 9m4m3m                  | /           | Nov. 25, 2021 | Nov. 24, 2024 |
| CABLE                     | EMToni       | G223-NM-BNC<br>M-2000MM | /           | May 10, 2024  | May 09, 2025  |



**4. CONDUCTED EMISSION TEST**

**4.1 CONDUCTED EMISSION MEASUREMENT**

|                       |                                      |
|-----------------------|--------------------------------------|
| Test Requirement:     | FCC Part15 C Section 15.207          |
| Test Method:          | ANSI C63.10:2013                     |
| Test Frequency Range: | 150KHz to 30MHz                      |
| Receiver setup:       | RBW=9KHz, VBW=30KHz, Sweep time=auto |

**4.1.1 POWER LINE CONDUCTED EMISSION Limi/**

| FREQUENCY (MHz) | Limit (dBuV) |           | Standard |
|-----------------|--------------|-----------|----------|
|                 | QP           | AVG       |          |
| 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**

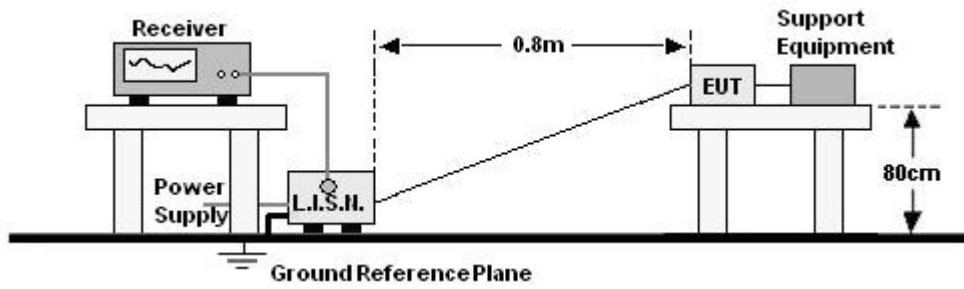
- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipmen/ powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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



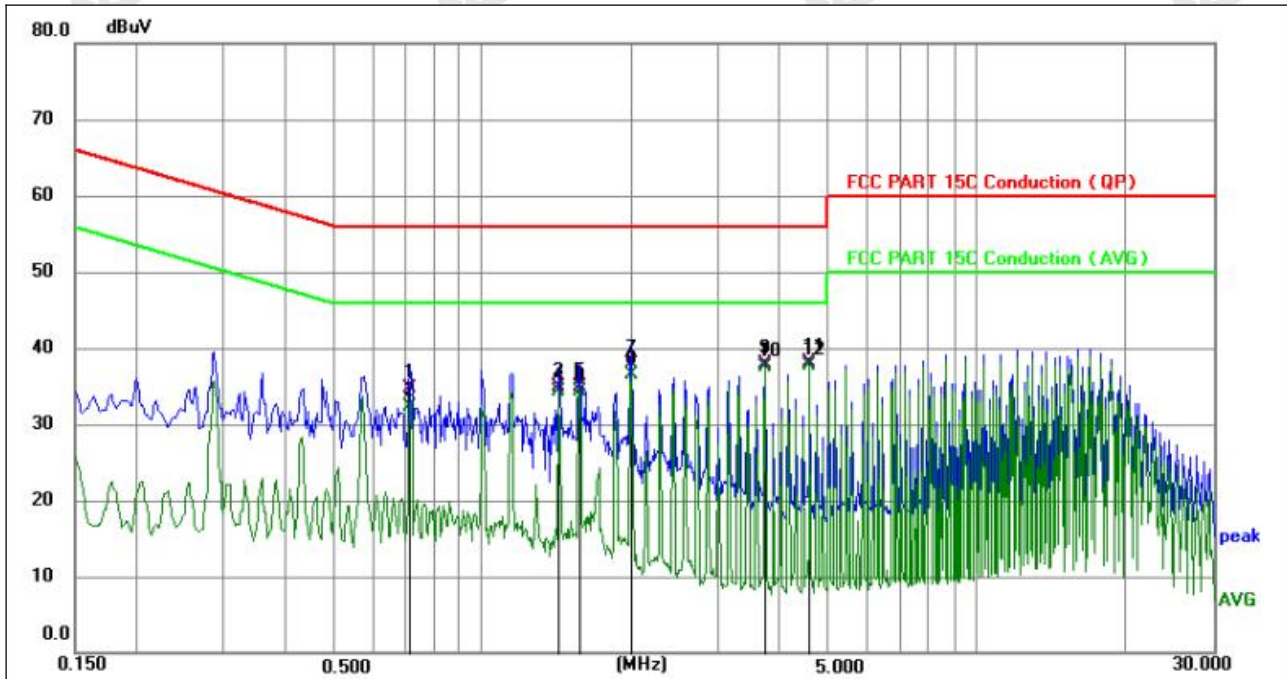
#### 4.1.5 EUT OPERATING CONDITIONS

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°C         | Relative Humidity: | 54%    |
| Pressure:     | 101kPa       | Phase :            | L      |
| Test Voltage: | AC 120V/60Hz | Test Mode:         | Mode 1 |



| No.  | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|------|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1    | 0.7125          | 24.74          | 10.04       | 34.78        | 56.00        | -21.22      | QP       | P   |        |
| 2    | 0.7125          | 22.23          | 10.04       | 32.27        | 46.00        | -13.73      | AVG      | P   |        |
| 3    | 1.4325          | 24.93          | 10.07       | 35.00        | 56.00        | -21.00      | QP       | P   |        |
| 4    | 1.4325          | 24.31          | 10.07       | 34.38        | 46.00        | -11.62      | AVG      | P   |        |
| 5    | 1.5765          | 24.94          | 10.06       | 35.00        | 56.00        | -21.00      | QP       | P   |        |
| 6    | 1.5765          | 24.34          | 10.06       | 34.40        | 46.00        | -11.60      | AVG      | P   |        |
| 7    | 1.9950          | 27.82          | 10.06       | 37.88        | 56.00        | -18.12      | QP       | P   |        |
| 8    | 1.9950          | 26.45          | 10.06       | 36.51        | 46.00        | -9.49       | AVG      | P   |        |
| 9    | 3.7230          | 27.91          | 10.09       | 38.00        | 56.00        | -18.00      | QP       | P   |        |
| 10   | 3.7230          | 27.36          | 10.09       | 37.45        | 46.00        | -8.55       | AVG      | P   |        |
| 11   | 4.5824          | 28.09          | 10.11       | 38.20        | 56.00        | -17.80      | QP       | P   |        |
| 12 * | 4.5824          | 27.57          | 10.11       | 37.68        | 46.00        | -8.32       | AVG      | P   |        |

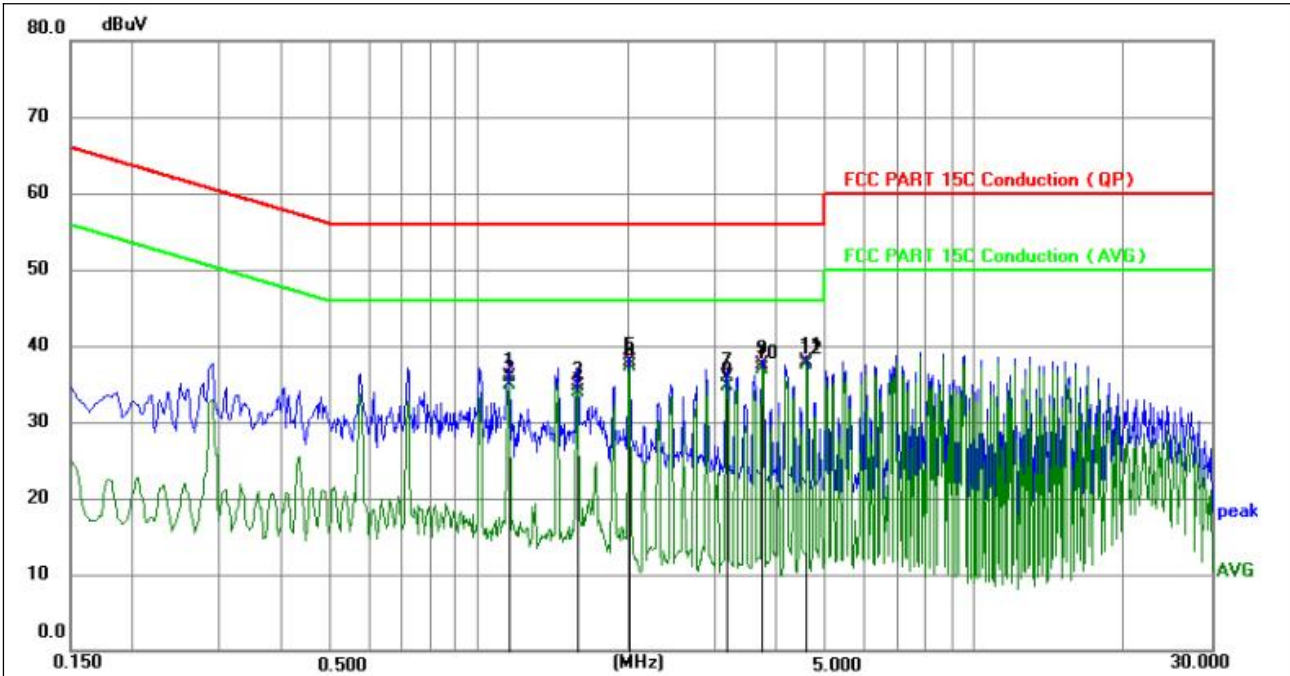
Notes:

- 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.Measurement Level = Reading level + Correct Factor





|               |              |                    |        |
|---------------|--------------|--------------------|--------|
| Temperature:  | 26°C         | Relative Humidity: | 54%    |
| Pressure:     | 101kPa       | Phase :            | N      |
| Test Voltage: | AC 120V/60Hz | Test Mode:         | Mode 1 |



| No.  | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|------|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1    | 1.1534          | 25.94          | 10.06       | 36.00        | 56.00        | -20.00      | QP       | P   |        |
| 2    | 1.1534          | 24.79          | 10.06       | 34.85        | 46.00        | -11.15      | AVG      | P   |        |
| 3    | 1.5854          | 24.74          | 10.06       | 34.80        | 56.00        | -21.20      | QP       | P   |        |
| 4    | 1.5854          | 23.91          | 10.06       | 33.97        | 46.00        | -12.03      | AVG      | P   |        |
| 5    | 2.0175          | 27.83          | 10.07       | 37.90        | 56.00        | -18.10      | QP       | P   |        |
| 6    | 2.0175          | 27.20          | 10.07       | 37.27        | 46.00        | -8.73       | AVG      | P   |        |
| 7    | 3.1695          | 25.93          | 10.07       | 36.00        | 56.00        | -20.00      | QP       | P   |        |
| 8    | 3.1695          | 24.64          | 10.07       | 34.71        | 46.00        | -11.29      | AVG      | P   |        |
| 9    | 3.7230          | 27.51          | 10.09       | 37.60        | 56.00        | -18.40      | QP       | P   |        |
| 10   | 3.7230          | 26.91          | 10.09       | 37.00        | 46.00        | -9.00       | AVG      | P   |        |
| 11   | 4.5824          | 27.89          | 10.11       | 38.00        | 56.00        | -18.00      | QP       | P   |        |
| 12 * | 4.5824          | 27.46          | 10.11       | 37.57        | 46.00        | -8.43       | 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. Measurement Level = Reading level + Correct Factor



**5. RADIATED EMISSION MEASUREMENT**

|                       |                             |            |        |        |            |
|-----------------------|-----------------------------|------------|--------|--------|------------|
| Test Requirement:     | FCC Part15 C Section 15.209 |            |        |        |            |
| Test Method:          | ANSI C63.10:2013            |            |        |        |            |
| 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 Limit

**Limi/ for frequency below 30MHz**

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

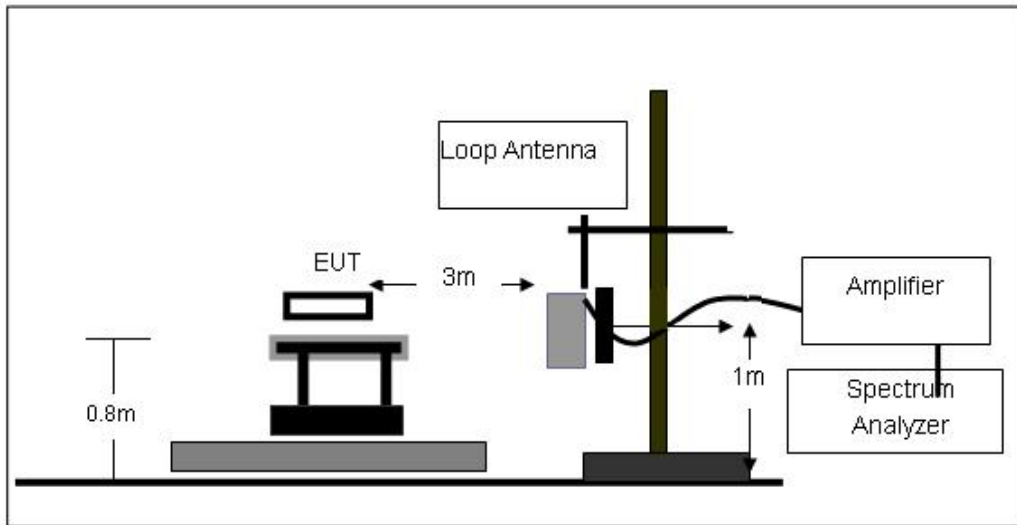
**Limi/ for frequency Above 30MHz**

| 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       |

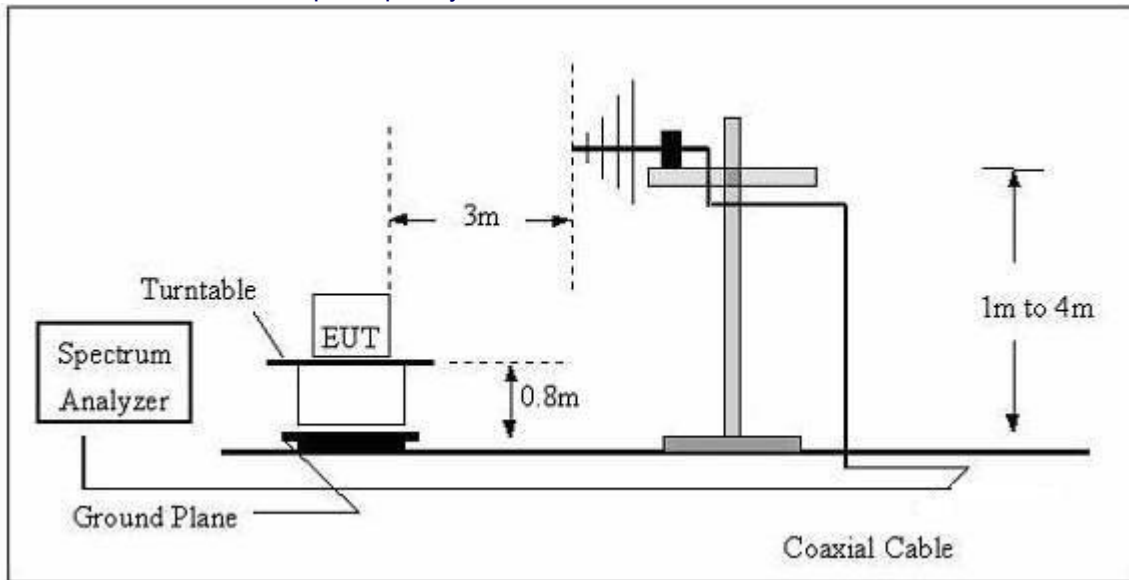


## 5.2 Anechoic Chamber Test Setup Diagram

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



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



The radiated emission test 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 limit.

## 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



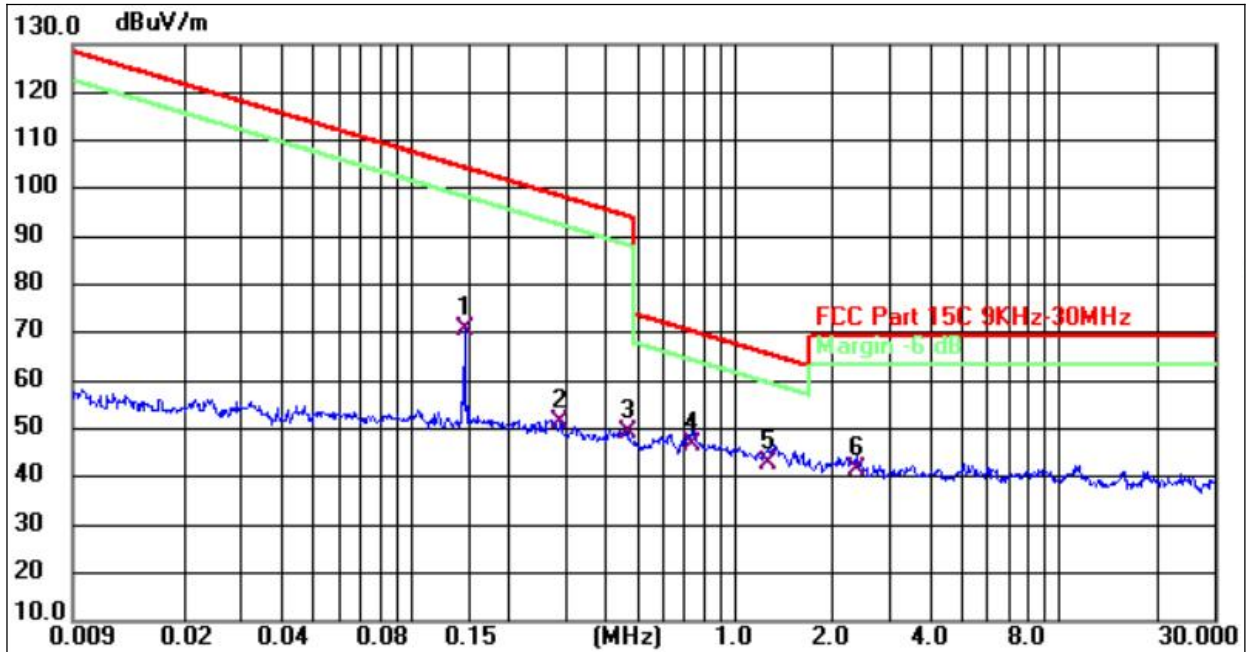
5.5 Test Result

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°C         | Relative Humidity: | 54%     |
| Pressure:     | 101 kPa      | Polarization:      | coaxial |
| Test Voltage: | AC 120V/60Hz | Test Modes:        | Mode 1  |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 0.145           | 70.50          | 0.16          | 70.66          | 104.38         | -33.72      | Peak     |
| 2   | 0.287           | 50.72          | 0.71          | 51.43          | 98.45          | -47.02      | Peak     |
| 3   | 0.464           | 48.17          | 1.03          | 49.20          | 94.27          | -45.07      | Peak     |
| 4   | 0.736           | 45.13          | 1.58          | 46.71          | 70.27          | -23.56      | QP       |
| 5 * | 1.258           | 40.18          | 2.64          | 42.82          | 65.61          | -22.79      | QP       |
| 6   | 2.349           | 36.62          | 4.87          | 41.49          | 69.54          | -28.05      | QP       |

Note:

Pre-scan in the all of mode, the worst case in of was recorded.

Factor = antenna factor + cable loss – pre-amplifier.

Emission Level = Meter Reading - Factor

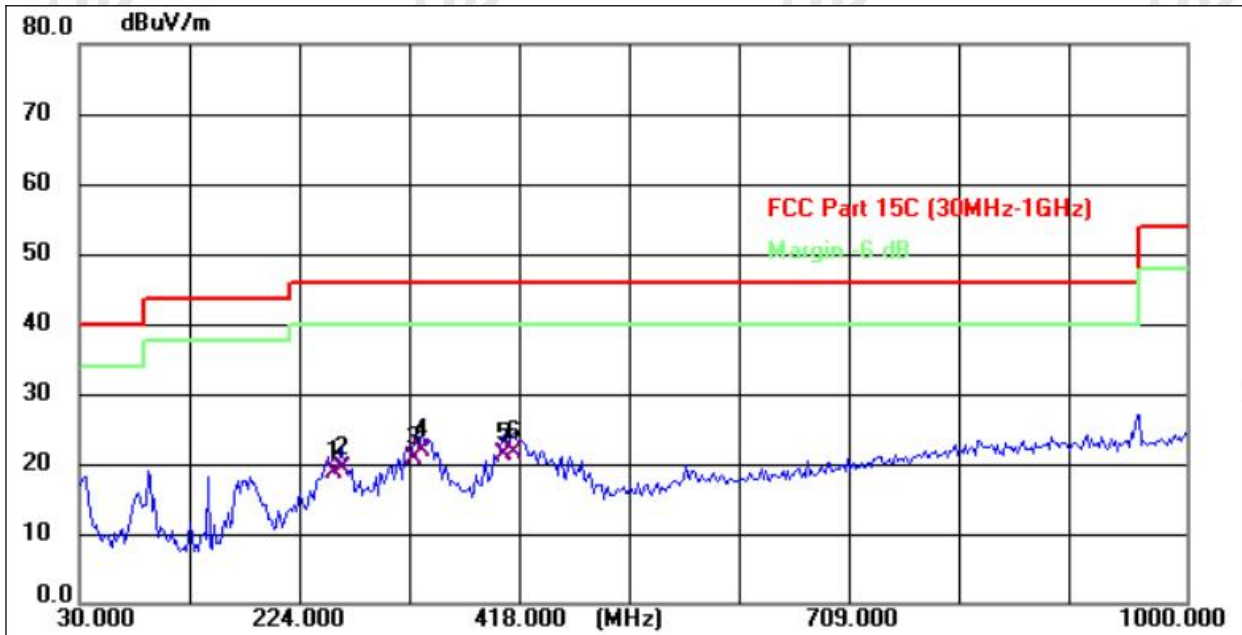
Margin = Emission Level- Limit.

The amplitude of emissions which are attenuated by more than 20db below the permissible value has no need to be reported.



30MHz-1GHz

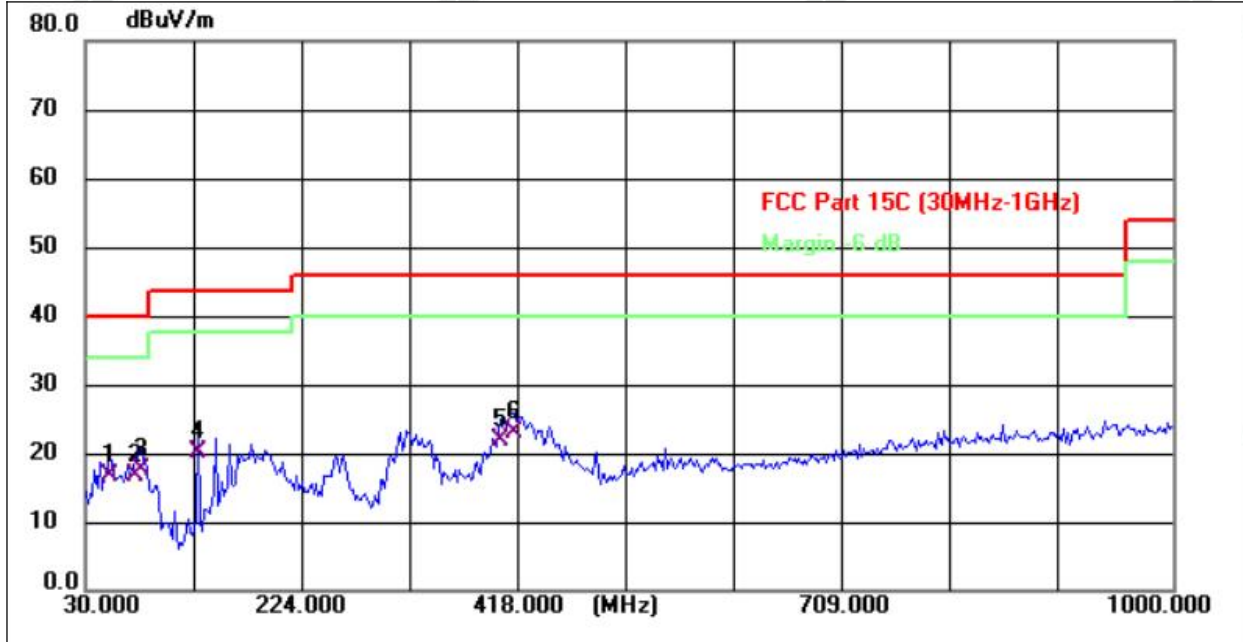
|               |              |                    |            |
|---------------|--------------|--------------------|------------|
| Temperature:  | 26°C         | Relative Humidity: | 54%        |
| Pressure:     | 101 kPa      | Polarization:      | Horizontal |
| Test Voltage: | AC 120V/60Hz | Test Modes:        | Mode 1     |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 253.100         | 35.07          | -16.49        | 18.58          | 46.00          | -27.42      | QP       |
| 2   | 260.860         | 35.60          | -16.24        | 19.36          | 46.00          | -26.64      | QP       |
| 3   | 322.940         | 35.14          | -14.37        | 20.77          | 46.00          | -25.23      | QP       |
| 4 * | 330.700         | 35.99          | -14.18        | 21.81          | 46.00          | -24.19      | QP       |
| 5   | 402.480         | 33.57          | -12.40        | 21.17          | 46.00          | -24.83      | QP       |
| 6   | 410.240         | 33.77          | -12.20        | 21.57          | 46.00          | -24.43      | QP       |



|               |              |                    |          |
|---------------|--------------|--------------------|----------|
| Temperature:  | 26°C         | Relative Humidity: | 54%      |
| Pressure:     | 101 kPa      | Polarization:      | Vertical |
| Test Voltage: | AC 120V/60Hz | Test Modes:        | Mode 1   |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 51.340          | 32.44          | -15.65        | 16.79          | 40.00          | -23.21      | QP       |
| 2   | 74.620          | 33.95          | -17.30        | 16.65          | 40.00          | -23.35      | QP       |
| 3 * | 80.440          | 35.40          | -17.70        | 17.70          | 40.00          | -22.30      | QP       |
| 4   | 130.880         | 39.03          | -18.80        | 20.23          | 43.50          | -23.27      | QP       |
| 5   | 400.540         | 34.30          | -12.44        | 21.86          | 46.00          | -24.14      | QP       |
| 6   | 412.180         | 35.06          | -12.16        | 22.90          | 46.00          | -23.10      | QP       |

Remarks:

1. Factor = Antenna Factor + Cable Loss – Preamplifier Factor
2. Level = Reading + Factor
3. Margin = Emission Level- Limit.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.





### 6. BANDWIDTH TEST

1. Set RBW = 10 Hz.
2. Set the video bandwidth (VBW)  $\geq 3 \times$  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 point (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

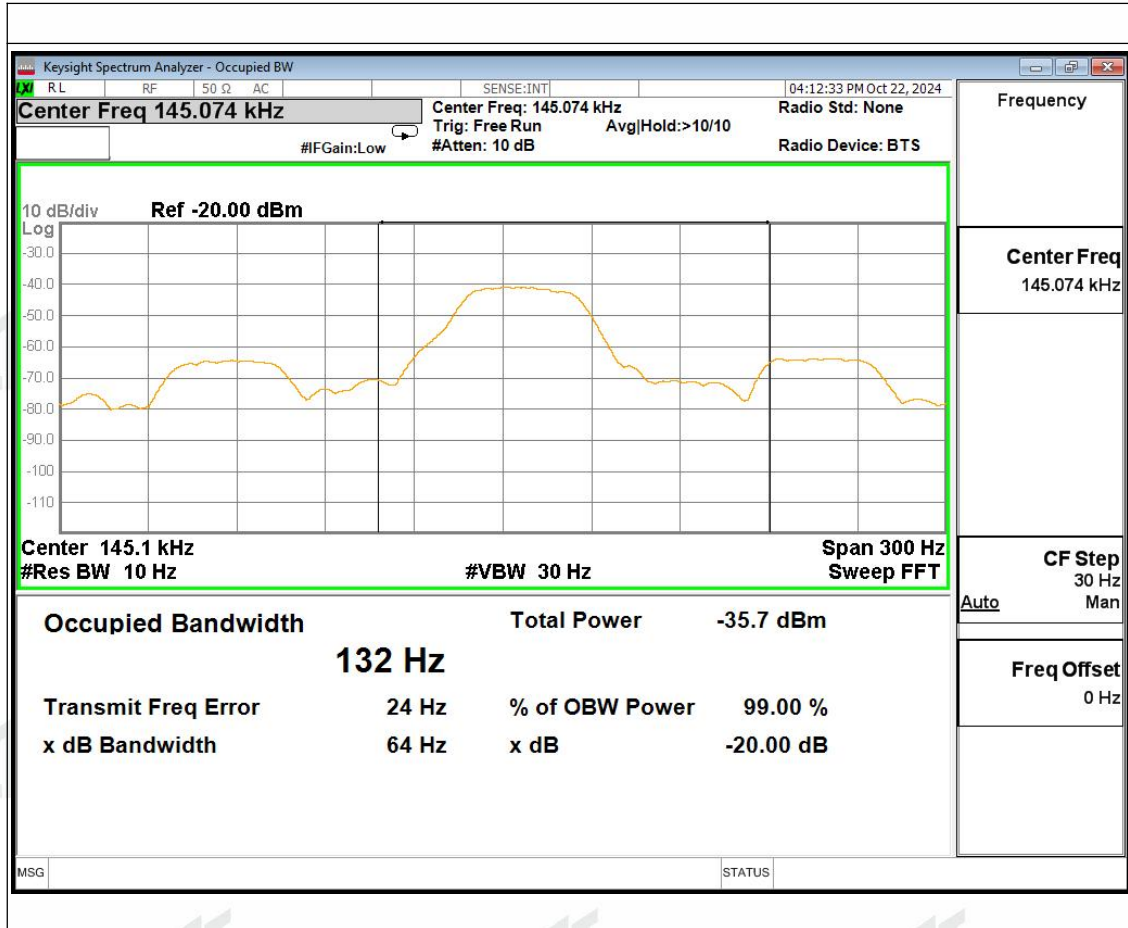
#### TEST SETUP





|              |         |                    |     |
|--------------|---------|--------------------|-----|
| Temperature: | 25.7 °C | Relative Humidity: | 55% |
| Pressure:    | 101kPa  |                    |     |

| Frequency (KHz) | 20dB bandwidth (KHz) | Result |
|-----------------|----------------------|--------|
| 145.1           | 0.064                | Pass   |





### 7. ANTENNA REQUIREMENT

|                       |  |
|-----------------------|--|
| Standard requirement: | FCC Part15 C Section 15.203  |
| 15.203 requirement:   | 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 Coil 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 \*\*\*\*\*