



# Radio Test Report

Report No.: STS2605334W01

Issued for

JR Technik Co.,Ltd

Jinxing Industrial Park, Jinmei, Changping  
Town,Dongguan,Guangdong,China

Product Name: 3 in 1 wireless charger

Brand Name: N/A

Model Name: 23233

Series Model(s): 3 in 1 wireless charger

FCC ID: 2BMEO-23233

Test Standards: FCC Part 15 Subpart C

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name.....: JR Technik Co.,Ltd

Address .....: Jinxing Industrial Park, Jinmei, Changping  
Town,Dongguan,Guangdong,China

Manufacturer's Name.....: JR Technik Co.,Ltd

Address .....: Jinxing Industrial Park, Jinmei, Changping  
Town,Dongguan,Guangdong,China**Product Description**

Product Name.....: 3 in 1 wireless charger

Brand.....: N/A

Model Number .....: 23233

Series Model(s).....: 3 in 1 wireless charger

**Test Standards** .....: FCC Part 15 Subpart C

Test Procedure .....: ANSI C63.10-2020

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

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**Date of Test** .....

Date of receipt of test item.....: 2026.05.09

Date (s) of performance of tests.: 2026.05.09 to 2026.06.08

Date of Issue.....: 2026.06.08

Test Result.....: **Pass**

Testing Engineer : \_\_\_\_\_

*Aaron Bu*

(Aaron Bu)

Technical Manager : \_\_\_\_\_

*Skylar Li*

(Skylar Li)

Authorized Signatory : \_\_\_\_\_

*Bovey Yang*

(Bovey Yang)





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**Revision History**

| Rev. | Issue Date | Report No.    | Effect Page | Contents      |
|------|------------|---------------|-------------|---------------|
| 00   | 2026.06.08 | STS2605334W01 | ALL         | Initial Issue |
|      |            |               |             |               |



## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15 , Subpart C |                                      |          |        |
|------------------------|--------------------------------------|----------|--------|
| Standard Section       | Test Item                            | Judgment | Remark |
| 15.207                 | Conducted Emission                   | PASS     |        |
| 15.209(a)              | Radiated emission, Spurious Emission | PASS     |        |
| 2.1049                 | 20 dB Bandwidth                      | PASS     |        |

### 1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

### 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , 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   | RF output power, conducted        | $\pm 0.755\text{dB}$ |
| 2   | Unwanted Emissions, conducted     | $\pm 2.874\text{dB}$ |
| 3   | All emissions, radiated 9K-30MHz  | $\pm 3.80\text{dB}$  |
| 4   | All emissions, radiated 30M-1GHz  | $\pm 4.18\text{dB}$  |
| 5   | All emissions, radiated 1G-6GHz   | $\pm 4.90\text{dB}$  |
| 6   | All emissions, radiated >6G       | $\pm 5.24\text{dB}$  |
| 7   | Conducted Emission (9KHz-150KHz)  | $\pm 2.19\text{dB}$  |
| 8   | Conducted Emission (150KHz-30MHz) | $\pm 2.53\text{dB}$  |
| 9   | Occupied Channel Bandwidth        | $\pm 3.5\%$          |
| 10  | Power Spectral Density, conducted | $\pm 1.245\text{dB}$ |
| 11  | Duty Cycle                        | $\pm 3.2\%$          |



## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF THE EUT

|                         |                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Product Name            | 3 in 1 wireless charger                                                                                                           |
| Brand                   | N/A                                                                                                                               |
| Model Number            | 23233                                                                                                                             |
| Series Model(s)         | 3 in 1 wireless charger                                                                                                           |
| Model Difference        | Only different in model name.                                                                                                     |
| Equipemnt Category      | Non-ISM frequency                                                                                                                 |
| Antenna Type            | loop coil antenna                                                                                                                 |
| Operating frequency     | Wireless charging Output (Phone/ Earphone):<br>112kHz-205kHz,<br>Wireless charging Output (Watch): 300-350kHz                     |
| Modulation Type         | ASK                                                                                                                               |
| Power Rating            | Input: DC 5V/3A,9V/3A<br>Wireless Output(Phone): 5W,7.5W,10W,15W<br>Wireless Output(Earphone): 5W<br>Wireless Output(Watch): 2.5W |
| Adapter                 | N/A                                                                                                                               |
| Battery                 | N/A                                                                                                                               |
| Wireless charging power | 15W+5W+2.5W Max                                                                                                                   |
| Hardware version number | N/A                                                                                                                               |
| Software version number | N/A                                                                                                                               |
| Connecting I/O Port(s)  | Please refer to the Note 1.                                                                                                       |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | NOTE    |
|------|-------|------------|--------------|-----------|---------|
| 1    | N/A   | N/A        | Coil         | N/A       | Antenna |



## 2.2 DESCRIPTION OF THE TEST MODES

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

| Pretest Mode | Description                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------|
| Mode 1       | Wireless charger 5W (Phone)                                                                   |
| Mode 2       | Wireless charger 7.5W (Phone)                                                                 |
| Mode 3       | Wireless charger 10W (Phone)                                                                  |
| Mode 4       | Wireless charger 15W (Phone)                                                                  |
| Mode 5       | Wireless charger 5W (Earphone)                                                                |
| Mode 6       | Wireless charger 2.5W (Watch)                                                                 |
| Mode 7       | Wireless charger 15W (Phone) + Wireless charger 5W (Earphone) + Wireless charger 2.5W (Watch) |

| For Conducted Emission |                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------|
| The worst mode         | Description                                                                                   |
| Mode 7                 | Wireless charger 15W (Phone) + Wireless charger 5W (Earphone) + Wireless charger 2.5W (Watch) |

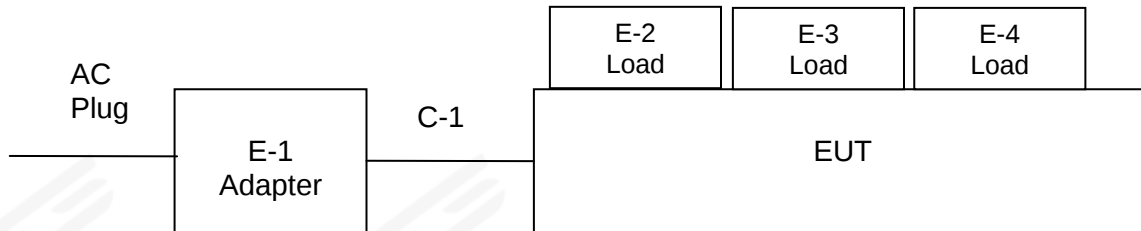
| For Radiated Emission |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| The worst mode        | Description                                                                                   |
| Mode 7                | Wireless charger 15W (Phone) + Wireless charger 5W (Earphone) + Wireless charger 2.5W (Watch) |



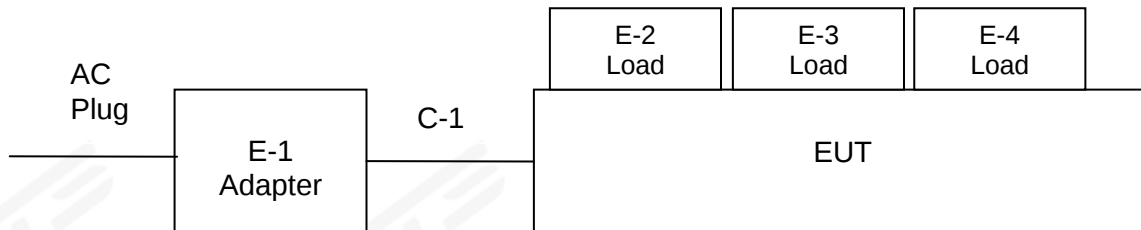
### 2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

#### Radiated Emission Test



#### Conducted Emission Test





## 2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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. | Note      |
|------|-----------|-----------|----------------|-----------|
| E-1  | Adapter   | ZTC       | NB-A515A       | Auxiliary |
| E-2  | Load      | N/A       | N/A            | Auxiliary |
| E-3  | Load      | N/A       | N/A            | Auxiliary |
| E-4  | Load      | N/A       | N/A            | Auxiliary |

| Item | Shielded Type | Ferrite Core | Length | Note      |
|------|---------------|--------------|--------|-----------|
| C-1  | N/A           | N/A          | 1.0m   | Auxiliary |
|      |               |              |        |           |

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



## 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

## Radiation Test equipment

| Kind of Equipment        | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|--------------------------|--------------|----------|------------|------------------|------------------|
| Test Receiver            | R&S          | ESCI     | 101427     | 2025.09.25       | 2026.09.24       |
| Signal Analyzer          | R&S          | FSV 40-N | 101823     | 2025.09.26       | 2026.09.25       |
| Active loop Antenna      | ZHINAN       | ZN30900C | 16035      | 2026.02.04       | 2027.02.03       |
| Bilog Antenna            | TESEQ        | CBL6111D | 34678      | 2025.09.27       | 2027.09.26       |
| Pre-Amplifier(0.1M-3GHz) | EM           | EM330    | 060665     | 2026.02.04       | 2027.02.03       |
| Temperature & Humidity   | SW-108       | SuWei    | N/A        | 2026.02.04       | 2027.02.03       |

## Conduction Test equipment

| Kind of Equipment      | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|------------------------|--------------|----------|------------|------------------|------------------|
| Test Receiver          | R&S          | ESCI     | 101427     | 2025.09.25       | 2026.09.24       |
| Limtter                | CYBERTEK     | EM5010   | N/A        | 2025.09.25       | 2026.09.24       |
| LISN                   | R&S          | ENV216   | 101242     | 2025.09.25       | 2026.09.24       |
| LISN                   | EMCO         | 3810/2NM | 23625      | 2025.09.25       | 2026.09.24       |
| Temperature & Humidity | SW-108       | SuWei    | N/A        | 2026.02.04       | 2027.02.03       |

## RF Connected Test

| Kind of Equipment                  | Manufacturer | Type No.         | Serial No. | Last calibration | Calibrated until |
|------------------------------------|--------------|------------------|------------|------------------|------------------|
| Signal Analyzer                    | Agilent      | N9020A           | MY51510623 | 2026.02.04       | 2027.02.03       |
| Power detector group               | Keysight     | NW2021031        | N/A        | 2025.09.23       | 2026.09.22       |
| Switch control box                 | MW           | MW100-RFCB       | N/A        | N/A              | N/A              |
| Temperature& Humidity test chamber | Safety test  | AG80L            | 171200018  | 2026.02.04       | 2027.02.03       |
| Temperature & Humidity             | SW-108       | SuWei            | N/A        | 2026.02.04       | 2027.02.03       |
| Test SW                            | MW           | MTS 8310 2.0.0.0 |            |                  |                  |



### 3. CONDUCTED EMISSION TEST RESULT (SECTION 15.207)

#### 3.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

| FREQUENCY (MHz) | Class B (dBuV) |           |
|-----------------|----------------|-----------|
|                 | Quasi-peak     | Average   |
| 0.15 -0.5       | 66 - 56 *      | 56 - 46 * |
| 0.50 -5.0       | 56.00          | 46.00     |
| 5.0 -30.0       | 60.00          | 50.00     |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of "\*" marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

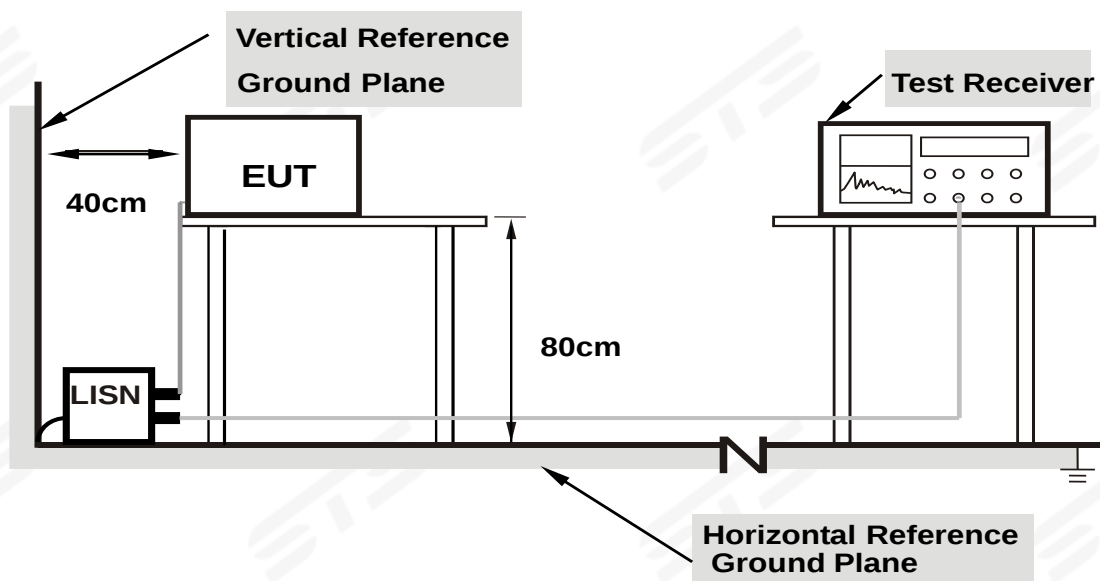
The following table is the setting of the receiver

| Receiver Parameters | Setting  |
|---------------------|----------|
| Attenuation         | 10 dB    |
| Start Frequency     | 0.15 MHz |
| Stop Frequency      | 30 MHz   |
| IF Bandwidth        | 9 kHz    |

### 3.2 TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.
- 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.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 3.3 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 cm from other units and other metal planes support units.**

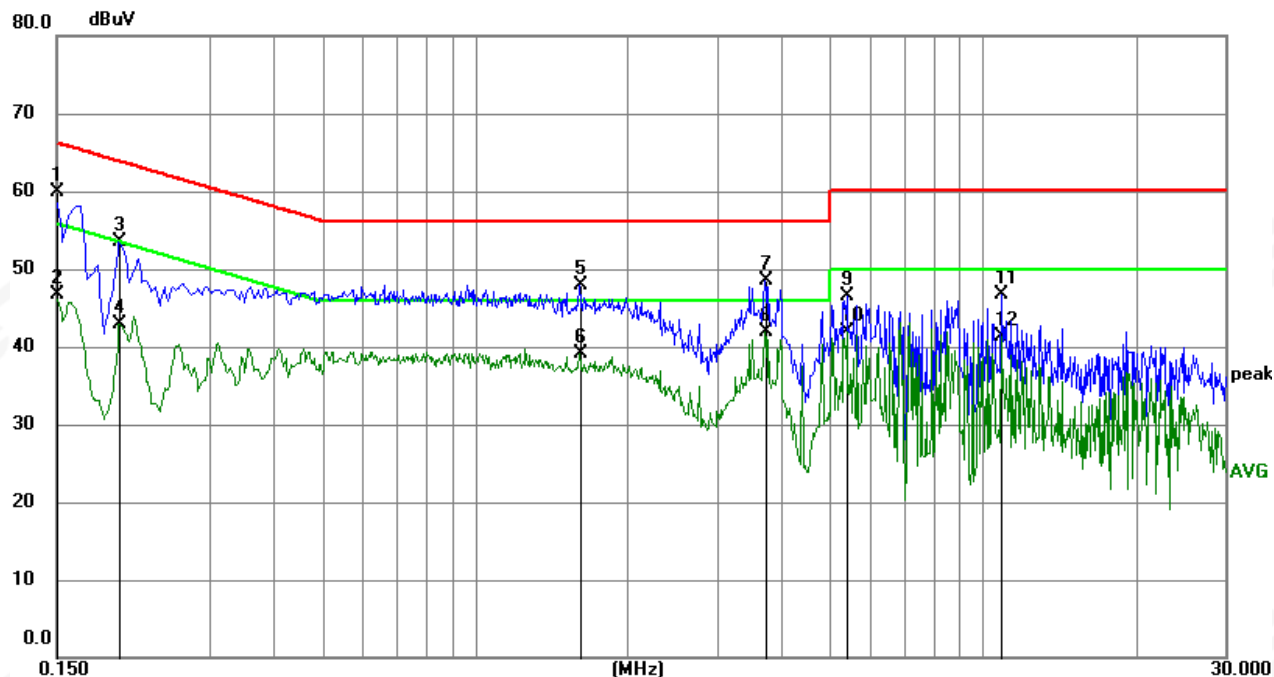
### 3.4 EUT OPERATING CONDITIONS

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.



## 3.5 TEST RESULTS

|               |              |                    |     |
|---------------|--------------|--------------------|-----|
| Temperature:  | 23.7°C       | Relative Humidity: | 54% |
| Test Voltage: | AC 120V/60Hz | Phase:             | L   |
| Test Mode:    | Mode 7       |                    |     |



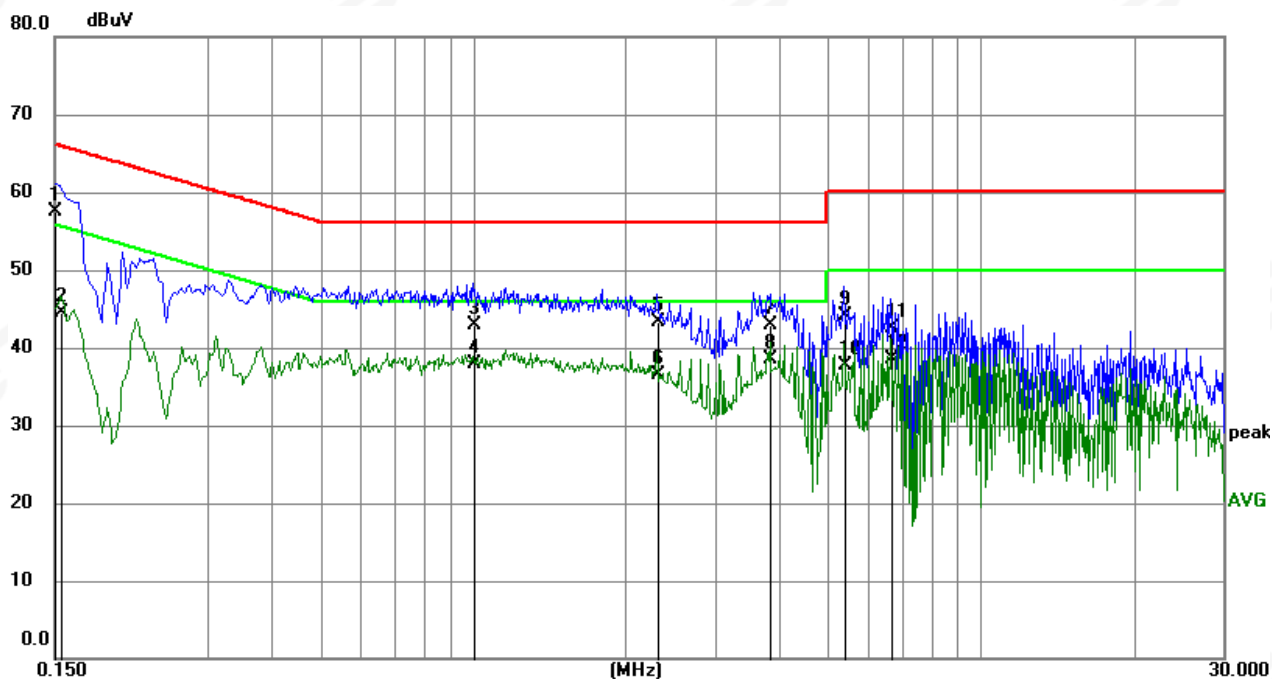
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1   | 0.1500          | 49.31          | 10.51       | 59.82        | 66.00        | -6.18       | QP       |
| 2   | 0.1500          | 36.19          | 10.51       | 46.70        | 56.00        | -9.30       | AVG      |
| 3   | 0.1995          | 42.96          | 10.50       | 53.46        | 63.63        | -10.17      | QP       |
| 4   | 0.1995          | 32.45          | 10.50       | 42.95        | 53.63        | -10.68      | AVG      |
| 5   | 1.6080          | 37.38          | 10.55       | 47.93        | 56.00        | -8.07       | QP       |
| 6   | 1.6080          | 28.50          | 10.55       | 39.05        | 46.00        | -6.95       | AVG      |
| 7   | 3.7230          | 37.87          | 10.63       | 48.50        | 56.00        | -7.50       | QP       |
| 8 * | 3.7230          | 31.18          | 10.63       | 41.81        | 46.00        | -4.19       | AVG      |
| 9   | 5.4060          | 35.73          | 10.81       | 46.54        | 60.00        | -13.46      | QP       |
| 10  | 5.4060          | 31.02          | 10.81       | 41.83        | 50.00        | -8.17       | AVG      |
| 11  | 10.9005         | 35.49          | 11.26       | 46.75        | 60.00        | -13.25      | QP       |
| 12  | 10.9005         | 29.98          | 11.26       | 41.24        | 50.00        | -8.76       | AVG      |



|               |              |                    |     |
|---------------|--------------|--------------------|-----|
| Temperature:  | 23.7°C       | Relative Humidity: | 54% |
| Test Voltage: | AC 120V/60Hz | Phase:             | N   |
| Test Mode:    | Mode 7       |                    |     |



Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1   | 0.1500          | 46.99          | 10.61       | 57.60        | 66.00        | -8.40       | QP       |
| 2   | 0.1545          | 33.90          | 10.60       | 44.50        | 55.75        | -11.25      | AVG      |
| 3   | 1.0005          | 32.47          | 10.53       | 43.00        | 56.00        | -13.00      | QP       |
| 4   | 1.0005          | 27.47          | 10.53       | 38.00        | 46.00        | -8.00       | AVG      |
| 5   | 2.3055          | 32.75          | 10.55       | 43.30        | 56.00        | -12.70      | QP       |
| 6   | 2.3055          | 25.95          | 10.55       | 36.50        | 46.00        | -9.50       | AVG      |
| 7   | 3.8400          | 32.26          | 10.64       | 42.90        | 56.00        | -13.10      | QP       |
| 8 * | 3.8400          | 27.86          | 10.64       | 38.50        | 46.00        | -7.50       | AVG      |
| 9   | 5.3745          | 33.29          | 10.81       | 44.10        | 60.00        | -15.90      | QP       |
| 10  | 5.3745          | 26.99          | 10.81       | 37.80        | 50.00        | -12.20      | AVG      |
| 11  | 6.6570          | 31.54          | 10.96       | 42.50        | 60.00        | -17.50      | QP       |
| 12  | 6.6570          | 27.64          | 10.96       | 38.60        | 50.00        | -11.40      | AVG      |



#### 4. RADIATED& FIELD EMISSION TEST RESULT (SECTION 15.209)

##### 4.1 LIMIT

| Frequency<br>[MHz] | Field Strength<br>[uV/m] | Measurement Distance<br>[Meters] |
|--------------------|--------------------------|----------------------------------|
| 0.009 ~ 0.490      | 2400/F (kHz)             | 300                              |
| 0.490 ~ 1.705      | 24000/F (kHz)            | 30                               |
| 1.705 ~ 30         | 30                       | 30                               |
| 30 ~ 88            | 100                      | 3                                |
| 88 ~ 216           | 150                      | 3                                |
| 216 ~ 960          | 200                      | 3                                |
| Above 960          | 500                      | 3                                |

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

| Receiver Parameter     | Setting                          |
|------------------------|----------------------------------|
| Attenuation            | Auto                             |
| Start ~ Stop Frequency | 9kHz~90kHz / RB 200Hz for AV     |
| Start ~ Stop Frequency | 90kHz~110kHz / RB 200Hz for QP   |
| Start ~ Stop Frequency | 110kHz~490kHz / RB 200Hz for AV  |
| Start ~ Stop Frequency | 490kHz~30MHz / RB 9kHz for QP    |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

§ 15.209(d) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

##### 4.2 TEST PROCEDURE

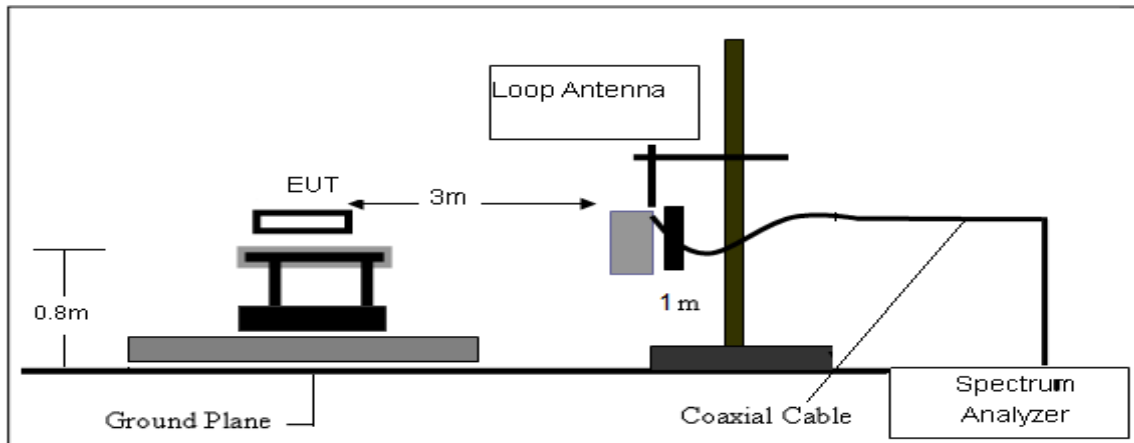
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- d. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

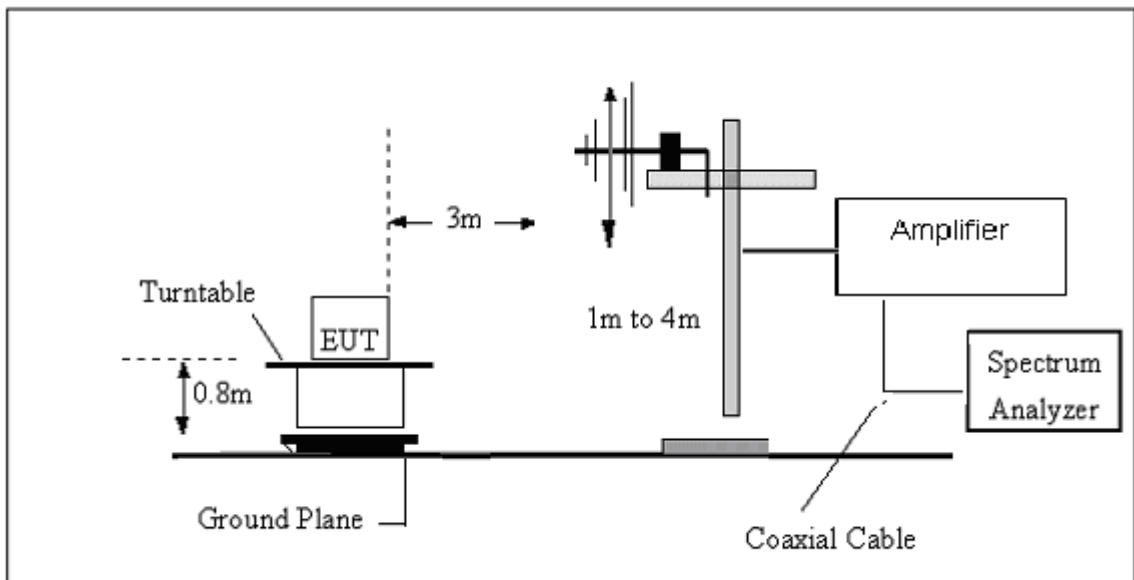
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

### 4.3 TEST SETUP

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



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



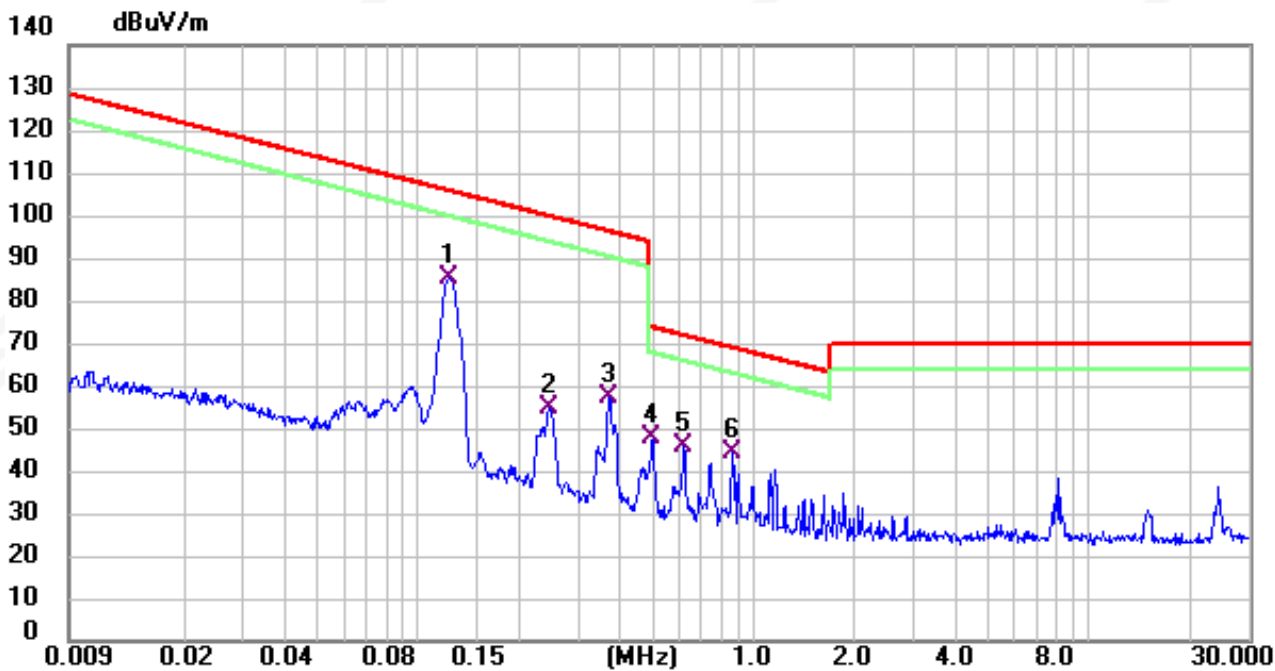


## 4.4 TEST RESULTS

## 4.4.1 SPURIOUS RADIATED EMISSION BELOW 30 MHZ

|                |              |                     |        |
|----------------|--------------|---------------------|--------|
| Temperature :  | 26°C         | Relative Humidity : | 54%    |
| Test Voltage : | AC 120V/60Hz | Test Mode :         | Mode 7 |

9KHz- 30MHz



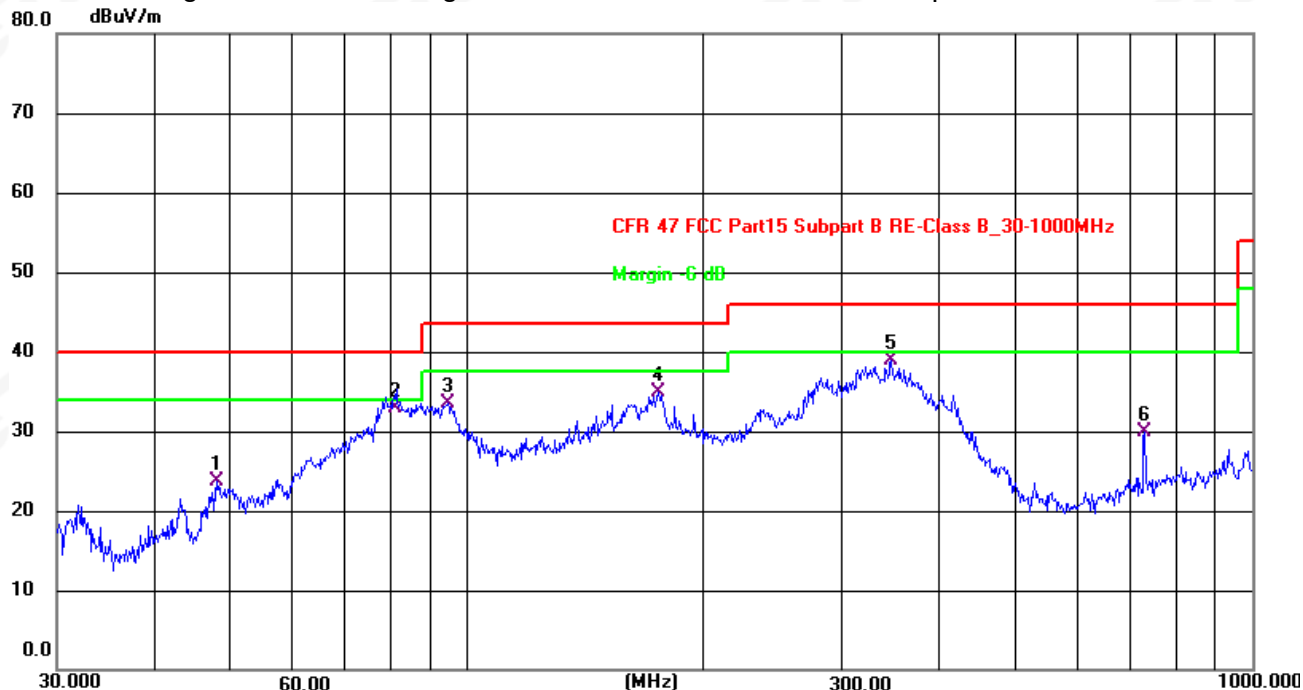
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 0.1236          | 96.32          | -11.26        | 85.06          | 105.76         | -20.70      | QP       |
| 2   | 0.2444          | 66.09          | -11.46        | 54.63          | 99.84          | -45.21      | QP       |
| 3   | 0.3696          | 69.06          | -11.58        | 57.48          | 96.25          | -38.77      | QP       |
| 4   | 0.4949          | 59.49          | -11.58        | 47.91          | 73.71          | -25.80      | QP       |
| 5   | 0.6161          | 57.04          | -11.43        | 45.61          | 71.82          | -26.21      | QP       |
| 6   | 0.8662          | 55.59          | -11.14        | 44.45          | 68.87          | -24.42      | QP       |



## 4.4.2 Spurious Radiated Emission below 1 GHz

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

The following table shows the highest levels of radiated emissions on polarizations of horizontal



Remark:

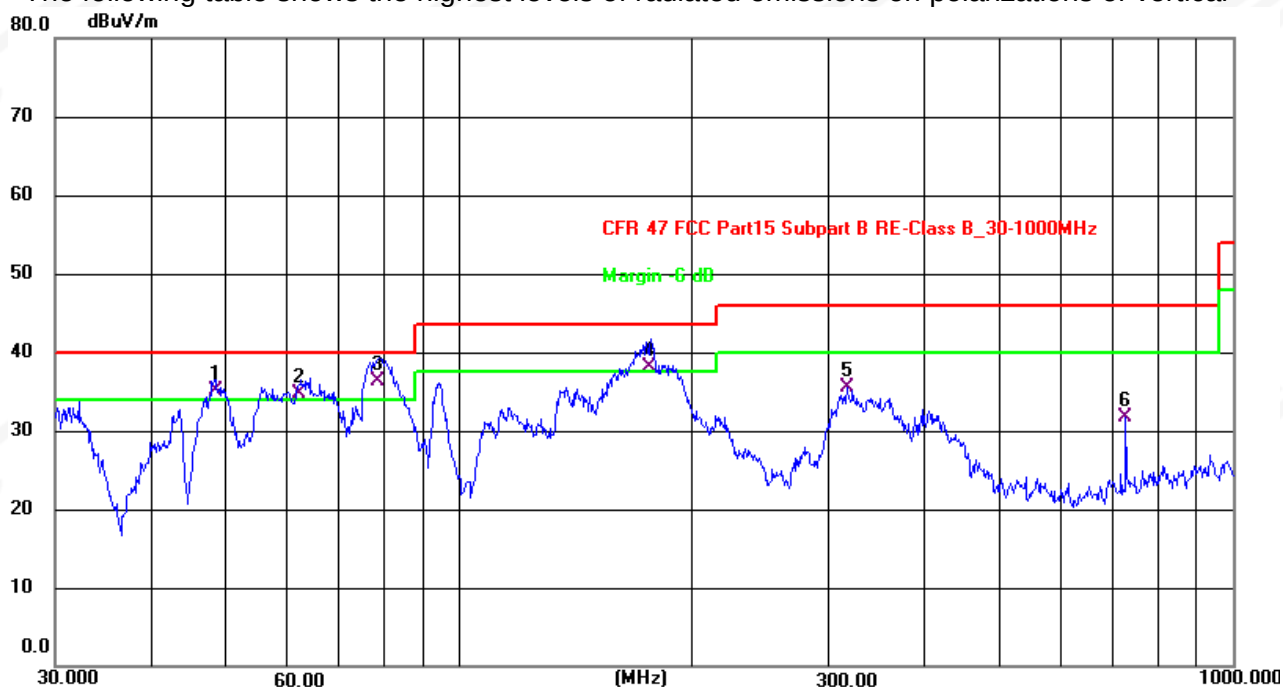
1. Margin = Result (Result = Reading + Factor) – Limit
2. Factor = Antenna factor + Cable attenuation factor (cable loss) – Amplifier gain

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 47.9940         | 35.23          | -11.49        | 23.74          | 40.00          | -16.26      | QP       |
| 2 * | 81.1867         | 48.51          | -15.62        | 32.89          | 40.00          | -7.11       | QP       |
| 3   | 94.4284         | 48.10          | -14.56        | 33.54          | 43.50          | -9.96       | QP       |
| 4   | 175.0368        | 46.99          | -12.10        | 34.89          | 43.50          | -8.61       | QP       |
| 5   | 346.8092        | 48.39          | -9.53         | 38.86          | 46.00          | -7.14       | QP       |
| 6   | 729.3583        | 31.41          | -1.41         | 30.00          | 46.00          | -16.00      | QP       |



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

The following table shows the highest levels of radiated emissions on polarizations of vertical



Remark:

1. Margin = Result (Result =Reading + Factor )-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 ! | 48.3326         | 46.83          | -11.81        | 35.02          | 40.00          | -4.98       | QP       |
| 2 ! | 62.1878         | 47.31          | -12.64        | 34.67          | 40.00          | -5.33       | QP       |
| 3 * | 78.5738         | 51.85          | -15.58        | 36.27          | 40.00          | -3.73       | QP       |
| 4 ! | 176.1528        | 50.27          | -12.22        | 38.05          | 43.50          | -5.45       | QP       |
| 5   | 316.5890        | 46.13          | -10.60        | 35.53          | 46.00          | -10.47      | QP       |
| 6   | 726.8052        | 33.40          | -1.71         | 31.69          | 46.00          | -14.31      | QP       |



## 5. 20 DB BANDWIDTH TEST

### 5.1 Limit

FCC Part 2.1049, Only applicable to report.

### 5.2 TEST SETUP

1. Set RBW = 1%~5% OBW.
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 points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

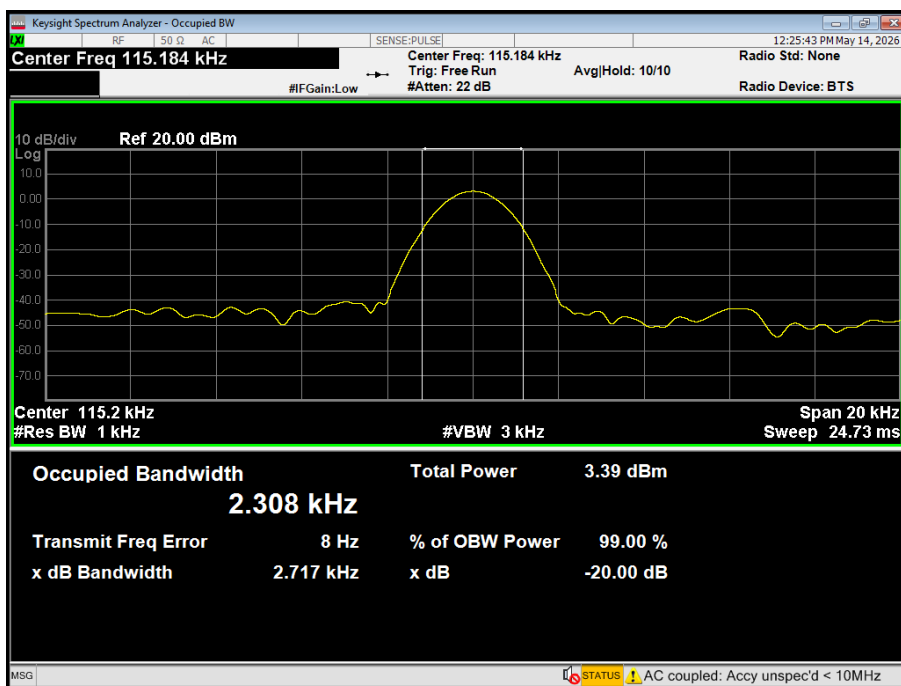


### 5.3 TEST RESULTS

Antenna1:

| Operating Frequency (kHz) | 20 dB Bandwidth (KHz) |
|---------------------------|-----------------------|
| 115.2                     | 2.717                 |

115.2kHz

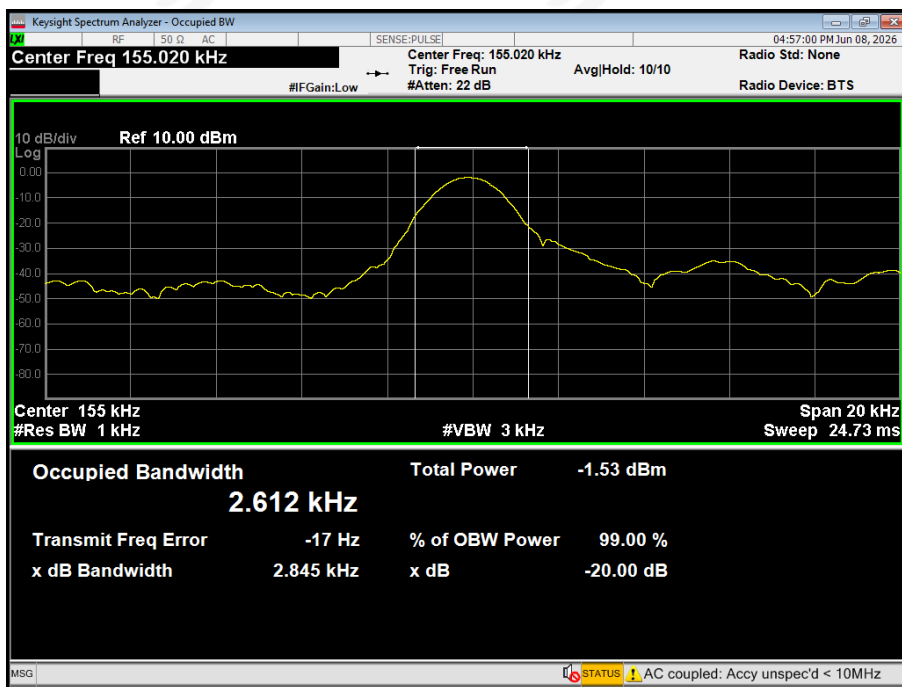




Antenna2:

| Operating Frequency (kHz) | 20 dB Bandwidth (KHz) |
|---------------------------|-----------------------|
| 155.0                     | 2.845                 |

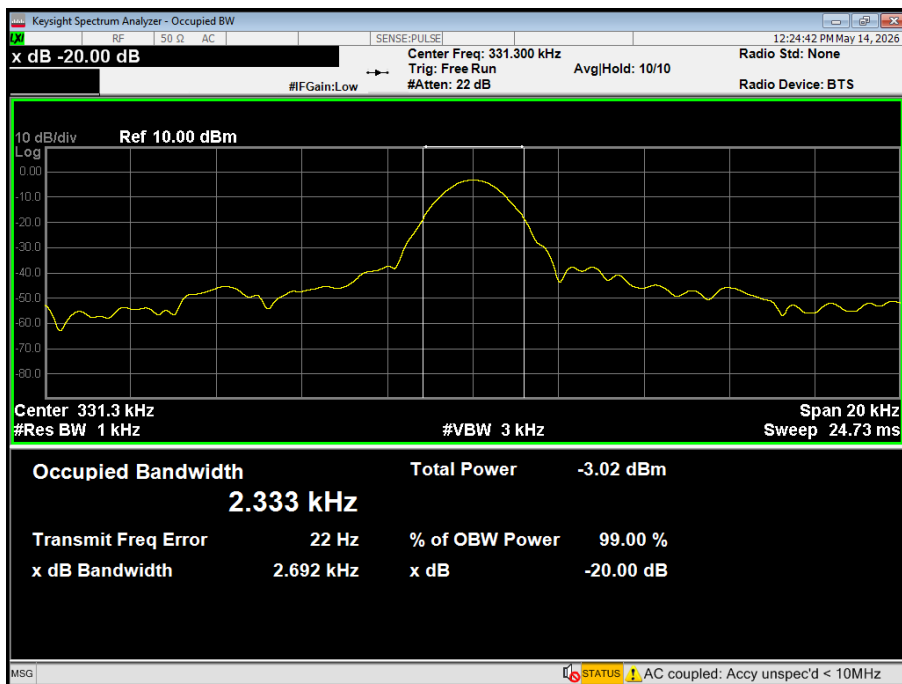
155.0kHz



Antenna3:

| Operating Frequency (kHz) | 20 dB Bandwidth (KHz) |
|---------------------------|-----------------------|
| 331.3                     | 2.692                 |

331.3kHz





## APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※