

# FCC Test Report

**Report No.** : 1812C50010012502

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**Applicant** : Shenzhen Intellirocks Tech. Co., Ltd.

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**Address** : No. 3301, Block C, Section 1, Chuangzhi  
Yuncheng Building, Liuxian Avenue, Xili  
Community, Xili Street, Nanshan District,  
Shenzhen, 518000, China

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**Product Name** : Govee Ceiling Light Pro

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**Report Date** : Apr. 25, 2025

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**Shenzhen Anbotek Compliance Laboratory Limited**



# Contents

|                                                        |    |
|--------------------------------------------------------|----|
| 1. General Information .....                           | 6  |
| 1.1. Client Information.....                           | 6  |
| 1.2. Description of Device (EUT).....                  | 6  |
| 1.3. Auxiliary Equipment Used During Test.....         | 7  |
| 1.4. Description of Test Configuration .....           | 7  |
| 1.5. Description Of Test Setup .....                   | 8  |
| 1.6. Test Equipment List.....                          | 9  |
| 1.7. Measurement Uncertainty .....                     | 10 |
| 1.8. Additional Instructions .....                     | 10 |
| 1.9. Description of Test Facility .....                | 11 |
| 1.10. Disclaimer .....                                 | 11 |
| 2. Summary of Test Results .....                       | 12 |
| 3. Conducted Emission Test.....                        | 13 |
| 3.1. Test Standard and Limit.....                      | 13 |
| 3.2. Test Setup.....                                   | 13 |
| 3.3. Test Procedure.....                               | 13 |
| 3.4. Test Data.....                                    | 13 |
| 4. Radiation Spurious Emission and Band Edge Test..... | 16 |
| 4.1. Test Standard and Limit.....                      | 16 |
| 4.2. Test Setup.....                                   | 16 |
| 4.3. Test Procedure.....                               | 17 |
| 4.4. Test Data.....                                    | 18 |
| 5. Maximum Conducted Output Power Test .....           | 27 |
| 5.1. Test Standard and Limit.....                      | 27 |
| 5.2. Test Setup.....                                   | 27 |
| 5.3. Test Procedure.....                               | 27 |
| 5.4. Test Data.....                                    | 27 |
| 6. 6dB Bandwidth and 99% Occupied Bandwidth Test ..... | 28 |
| 6.1. Test Standard and Limit.....                      | 28 |
| 6.2. Test Setup.....                                   | 28 |
| 6.3. Test Procedure.....                               | 28 |
| 6.4. Test Data.....                                    | 28 |
| 7. Maximum Power Spectral Density Test.....            | 29 |
| 7.1. Test Standard and Limit.....                      | 29 |
| 7.2. Test Setup.....                                   | 29 |
| 7.3. Test Procedure.....                               | 29 |
| 7.4. Test Data.....                                    | 29 |
| 8. Conducted Spurious Emission and Band Edge Test..... | 30 |

8.1. Test Standard and Limit.....30

8.2. Test Setup.....30

8.3. Test Procedure.....30

8.4. Test Data.....30

9. Antenna Requirement .....31

9.1. Test Standard and Requirement .....31

9.2. Antenna Connected Construction .....31

APPENDIX I -- TEST SETUP PHOTOGRAPH.....32

APPENDIX II -- EXTERNAL PHOTOGRAPH .....32

APPENDIX III -- INTERNAL PHOTOGRAPH .....32

## TEST REPORT

Applicant : Shenzhen Intellirocks Tech. Co., Ltd.

Manufacturer : Shenzhen Intellirocks Tech. Co., Ltd.

Product Name : Govee Ceiling Light Pro

Model No. : H60A6

Trade Mark : Govee

Rating(s) : Input: AC 100-240V, 50/60Hz, 48.5W

**Test Standard(s) : FCC Part15 Subpart C, Section 15.247**

**Test Method(s) : ANSI C63.10: 2020, KDB 558074 D01 15.247 Meas Guidance v05r02**

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt Jan. 15, 2025

Date of Test Jan. 15, 2025 to Feb. 20, 2025

Prepared By

*Cecilia Chen*

(Cecilia Chen)

Approved & Authorized Signer

*Hugo Chen*

(Hugo Chen)

Revision History

| Report Version | Description     | Issued Date   |
|----------------|-----------------|---------------|
| R00            | Original Issue. | Apr. 25, 2025 |
|                |                 |               |
|                |                 |               |

## 1. General Information

### 1.1. Client Information

|              |   |                                                                                                                                                   |
|--------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant    | : | Shenzhen Intellirocks Tech. Co., Ltd.                                                                                                             |
| Address      | : | No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 518000, China |
| Manufacturer | : | Shenzhen Intellirocks Tech. Co., Ltd.                                                                                                             |
| Address      | : | No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 518000, China |
| Factory      | : | LAC Smart (Cambodia) Co., Ltd                                                                                                                     |
| Address      | : | 65Km in the No.3 National Highway, Veas Pou Village Khvav Commune, S amrong District, Takeo Province, Kingdom of Cambodia                         |

### 1.2. Description of Device (EUT)

|                                                                                                                                                                                              |   |                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                                                                                                                                                                                 | : | Govee Ceiling Light Pro                                                                                                                                                                                                               |
| Model No.                                                                                                                                                                                    | : | H60A6                                                                                                                                                                                                                                 |
| Trade Mark                                                                                                                                                                                   | : | Govee                                                                                                                                                                                                                                 |
| Test Power Supply                                                                                                                                                                            | : | AC 120V/60Hz                                                                                                                                                                                                                          |
| Test Sample No.                                                                                                                                                                              | : | 1-2-1(Normal Sample), 1-2-2(Engineering Sample)                                                                                                                                                                                       |
| Adapter                                                                                                                                                                                      | : | N/A                                                                                                                                                                                                                                   |
| <b>RF Specification</b>                                                                                                                                                                      |   |                                                                                                                                                                                                                                       |
| Operation Mode                                                                                                                                                                               | : | <input checked="" type="checkbox"/> 802.11b <input checked="" type="checkbox"/> 802.11g <input checked="" type="checkbox"/> 802.11n(HT20) <input type="checkbox"/> 802.11n(HT40)                                                      |
| Operation Frequency                                                                                                                                                                          | : | 2412~2462MHz                                                                                                                                                                                                                          |
| Number of Channel                                                                                                                                                                            | : | 11 Channel for 20MHz bandwidth (2412~2462MHz)                                                                                                                                                                                         |
| Modulation Type                                                                                                                                                                              | : | <input checked="" type="checkbox"/> 802.11b: DSSS (CCK, DQPSK, DBPSK)<br><input checked="" type="checkbox"/> 802.11g: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br><input checked="" type="checkbox"/> 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) |
| Antenna Type                                                                                                                                                                                 | : | FPC Antenna                                                                                                                                                                                                                           |
| Antenna Gain(Peak)                                                                                                                                                                           | : | 4.42dBi                                                                                                                                                                                                                               |
| <b>Remark:</b> 1) All of the RF specification are provided by customer. 2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. |   |                                                                                                                                                                                                                                       |

### 1.3. Auxiliary Equipment Used During Test

| Description | Rating(s) |
|-------------|-----------|
| --          | --        |

### 1.4. Description of Test Configuration

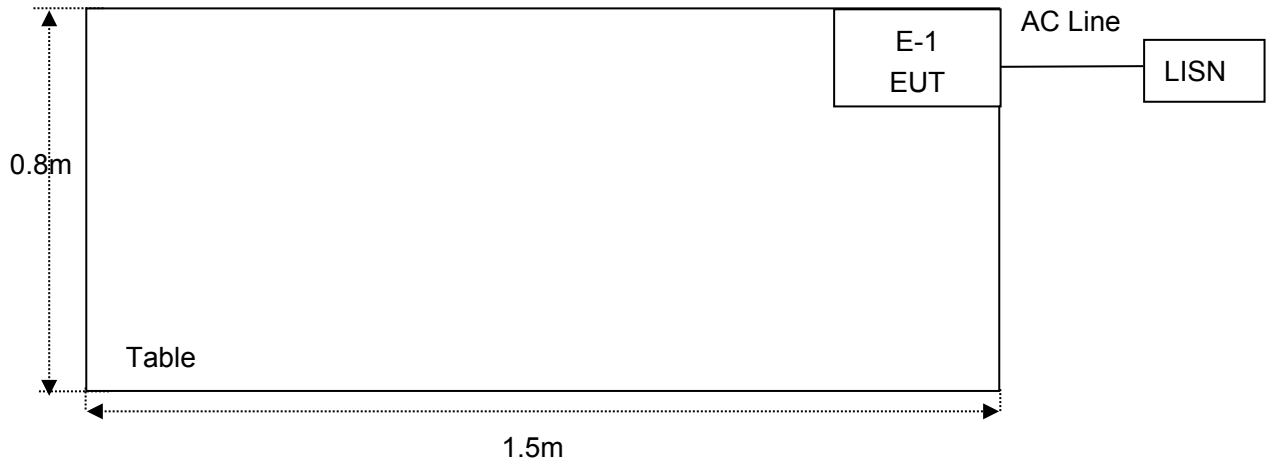
| Channel   | Freq. (MHz) | Channel   | Freq. (MHz) | Channel | Freq. (MHz) | Channel   | Freq. (MHz) |
|-----------|-------------|-----------|-------------|---------|-------------|-----------|-------------|
| <b>01</b> | <b>2412</b> | 04        | 2427        | 07      | 2442        | 10        | 2457        |
| 02        | 2417        | 05        | 2432        | 08      | 2447        | <b>11</b> | <b>2462</b> |
| 03        | 2422        | <b>06</b> | <b>2437</b> | 09      | 2452        |           |             |

Note:

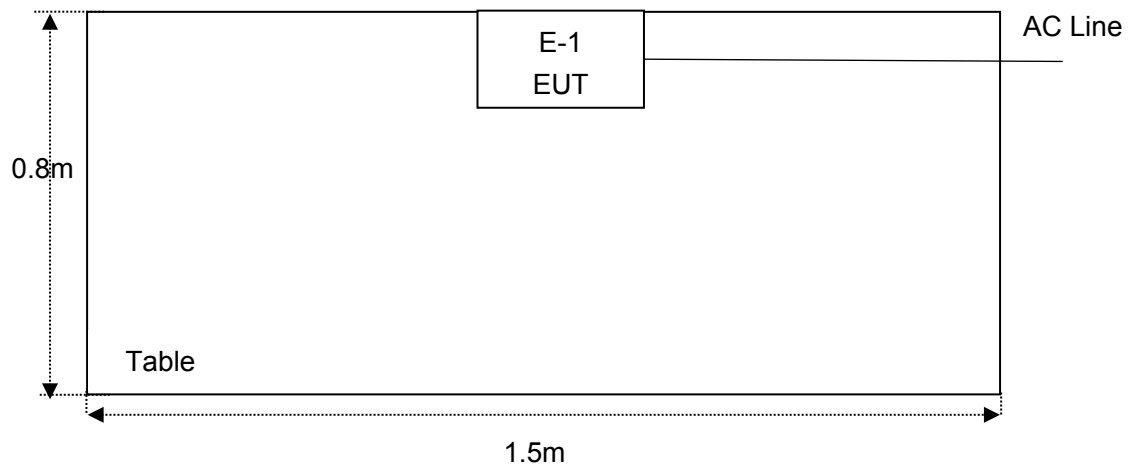
1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.
2. For 802.11b, 802.11g, and 802.11n(HT20) modes were test with channel 1, 6, 11.

### 1.5. Description Of Test Setup

CE



RE



### 1.6. Test Equipment List

| Item | Equipment                                         | Manufacturer    | Model No.         | Serial No.       | Last Cal.     | Cal. Interval |
|------|---------------------------------------------------|-----------------|-------------------|------------------|---------------|---------------|
| 1.   | L.I.S.N.<br>Artificial Mains<br>Network           | Rohde & Schwarz | ENV216            | 100055           | Sep. 09, 2024 | 1 Year        |
| 2.   | Three Phase<br>V-type Artificial<br>Power Network | CYBERTEK        | EM5040DT          | E215040DT0<br>01 | Jan. 13, 2025 | 1 Year        |
| 3.   | EMI Test Receiver                                 | Rohde & Schwarz | ESCI              | 100627           | Jan. 13, 2025 | 1 Year        |
| 4.   | EMI Test Receiver                                 | Rohde & Schwarz | ESR26             | 101481           | Jan. 14, 2025 | 1 Year        |
| 5.   | MXA Spectrum<br>Analysis                          | Agilent         | N9020A            | MY51170037       | Sep. 09, 2024 | 1 Year        |
| 6.   | EMI Preamplifier                                  | SKET Electronic | LNPA-0118G-<br>45 | SKET-PA-002      | Jan. 13, 2025 | 1 Year        |
| 7.   | Double Ridged<br>Horn Antenna                     | SCHWARZBECK     | BBHA 9120D        | 02555            | Oct. 16, 2022 | 3 Year        |
| 8.   | Bilog Broadband<br>Antenna                        | Schwarzbeck     | VULB9163          | 345              | Oct. 23, 2022 | 3 Year        |
| 9.   | Loop Antenna                                      | Schwarzbeck     | FMZB1519B         | 00053            | Sep. 12, 2024 | 1 Year        |
| 10.  | Horn Antenna                                      | A-INFO          | LB-180400-K<br>F  | J211060628       | Jan. 22, 2024 | 3 Year        |
| 11.  | Pre-amplifier                                     | SONOMA          | 310N              | 186860           | Jan. 14, 2025 | 1 Year        |
| 12.  | EMI Test Software<br>EZ-EMC                       | SHURPLE         | N/A               | N/A              | N/A           | N/A           |
| 13.  | MXA Spectrum<br>Analysis                          | KEYSIGHT        | N9020A            | MY53280032       | Sep. 09, 2024 | 1 Year        |
| 14.  | MXG RF Vector<br>Signal Generator                 | Agilent         | N5182A            | MY47420647       | Jan. 14, 2025 | 1 Year        |
| 15.  | Signal Generator                                  | Agilent         | E4421B            | MY41000743       | Oct. 10, 2024 | 1 Year        |
| 16.  | DC Power Supply                                   | IVYTECH         | IV3605            | 1804D360510      | Sep. 09, 2024 | 1 Year        |
| 17.  | Constant<br>Temperature<br>Humidity Chamber       | ZHONGJIAN       | ZJ-KHWS80B        | N/A              | Oct. 14, 2024 | 1 Year        |
| 18.  | Spectrum<br>Analyzer                              | Rohde & Schwarz | FSV40-N           | 102150           | May. 06, 2024 | 1 Year        |

### 1.7. Measurement Uncertainty

| Parameter                                                                                                                                                                                                                       | Uncertainty                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Conducted emissions (AMN 150kHz~30MHz)                                                                                                                                                                                          | 3.8dB                                                     |
| Occupied Bandwidth                                                                                                                                                                                                              | 925Hz                                                     |
| Conducted Output Power                                                                                                                                                                                                          | 0.76dB                                                    |
| Power Spectral Density                                                                                                                                                                                                          | 0.76dB                                                    |
| Conducted Spurious Emission                                                                                                                                                                                                     | 1.24dB                                                    |
| Radiated spurious emissions (Below 30MHz)                                                                                                                                                                                       | 3.53dB                                                    |
| Radiated spurious emissions (30MHz~1GHz)                                                                                                                                                                                        | Horizontal: 3.92dB; Vertical: 4.52dB                      |
| Radiated spurious emissions (above 1GHz)                                                                                                                                                                                        | 1G-6GHz: 4.78dB;<br>6G-18GHz: 4.88dB<br>18G-40GHz: 5.68dB |
| The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032.<br>This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                                                           |

### 1.8. Additional Instructions

Power level setup in software: AmebaZ2\_mptool\_1V3

Operation Band:

| Mode          | Power level | Transmitting type |
|---------------|-------------|-------------------|
| 802.11b       | default     | data pack TX      |
| 802.11g       | default     | data pack TX      |
| 802.11n(HT20) | default     | data pack TX      |

### 1.9. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### **FCC-Registration No.: 434132**

Shenzhen Anbotek Compliance Laboratory Limited, 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. 434132.

#### **ISED-Registration No.: 8058A**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

#### **Test Location**

Shenzhen Anbotek Compliance Laboratory Limited.

Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

### 1.10. Disclaimer

1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
2. The test report is invalid if there is any evidence and/or falsification.
3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.
7. The data in this report will be synchronized with the corresponding national market supervision and management departments and cross-border e-commerce platforms as required by regulatory agencies.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

## 2. Summary of Test Results

| Standard Section                                            | Test Item                                 | Result      |
|-------------------------------------------------------------|-------------------------------------------|-------------|
| 15.203/15.247(c)                                            | Antenna Requirement                       | PASS        |
| 15.207                                                      | Conducted Emission                        | PASS        |
| 15.205/15.209                                               | Radiated Spurious Emission and Band Edge  | PASS        |
| 15.247(b)(3)                                                | Maximum Conduct Output Power              | PASS        |
| 15.247(a)(2)                                                | 6dB Bandwidth                             | PASS        |
| N/A                                                         | 99% Occupied Bandwidth                    | Report only |
| 15.247(e)                                                   | Maximum Power Spectral Density            | PASS        |
| 15.247(d)                                                   | Conducted Spurious Emission and Band Edge | PASS        |
| <b>Remark:</b> "N/A" is an abbreviation for Not Applicable. |                                           |             |

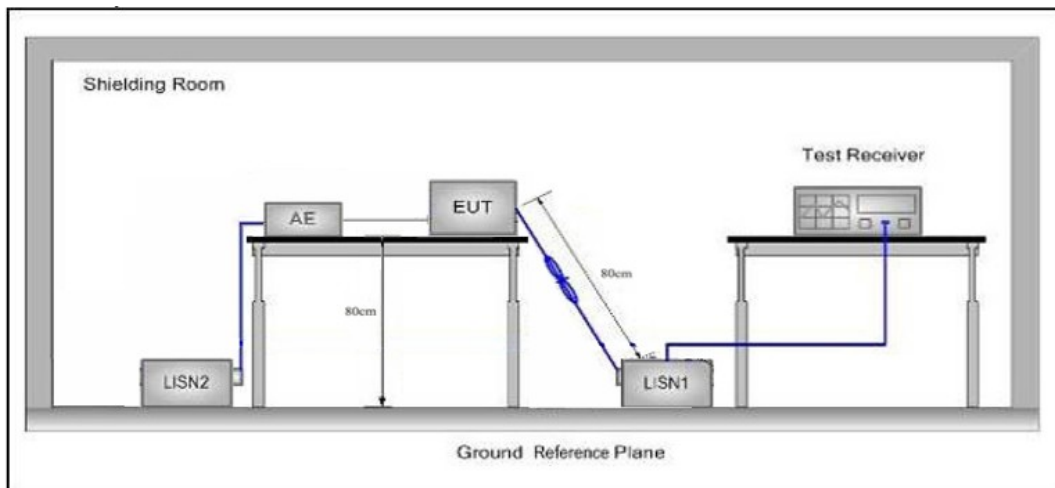
### 3. Conducted Emission Test

#### 3.1. Test Standard and Limit

| Test Standard | FCC Part15 Section 15.207 |                                |               |
|---------------|---------------------------|--------------------------------|---------------|
| Test Limit    | Frequency                 | Maximum RF Line Voltage (dBuV) |               |
|               |                           | Quasi-peak Level               | Average Level |
|               | 150kHz~500kHz             | 66 ~ 56 *                      | 56 ~ 46 *     |
|               | 500kHz~5MHz               | 56                             | 46            |
|               | 5MHz~30MHz                | 60                             | 50            |

**Remark:** (1) \*Decreasing linearly with logarithm of the frequency.  
(2) The lower limit shall apply at the transition frequency.

#### 3.2. Test Setup



#### 3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10: 2020 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

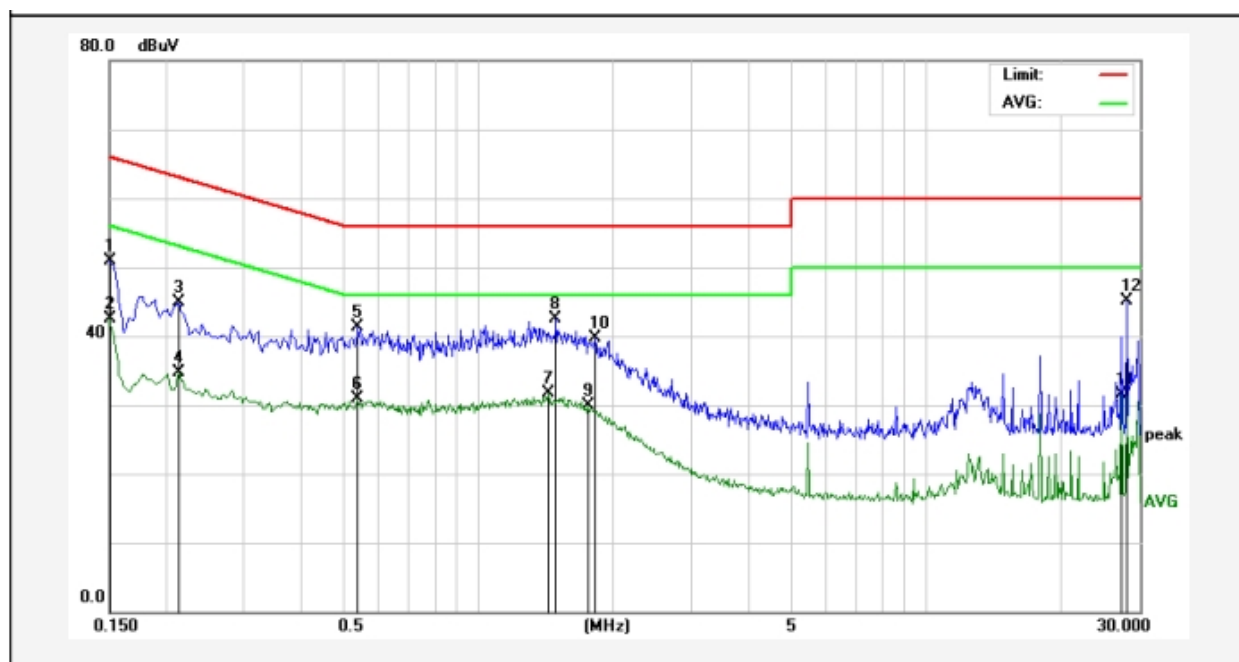
#### 3.4. Test Data

During the test, pre-scan all modes, only the worst case is recorded in the report.

Please to see the following pages.

**Conducted Emission Test Data**

Test Site: 1# Shielded Room  
Operating Condition: 802.11b 2462MHz  
Test Specification: AC 120V/60Hz  
Comment: Live Line  
Temp.(°C)/Hum.(%RH): 22.1°C/50%RH

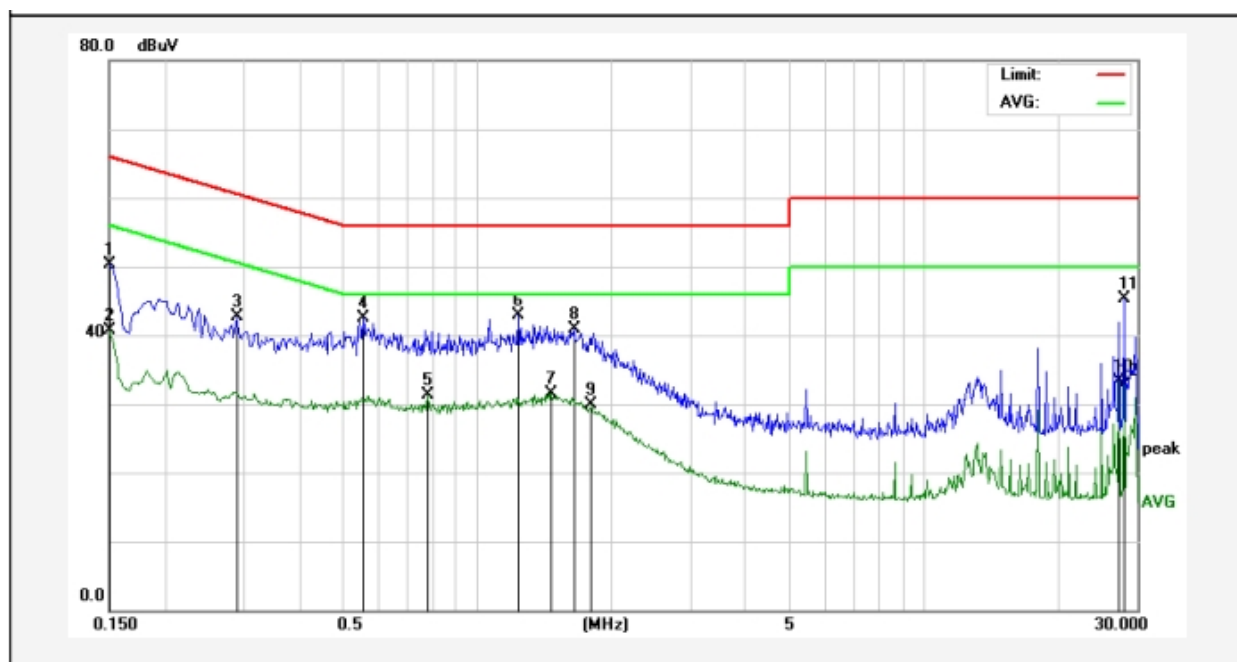


| No. | Freq. (MHz) | Reading (dBuV) | Factor (dB) | Result (dBuV) | Limit (dBuV) | Over Limit (dB) | Detector | Remark |
|-----|-------------|----------------|-------------|---------------|--------------|-----------------|----------|--------|
| 1   | 0.1500      | 33.18          | 17.82       | 51.00         | 65.99        | -14.99          | QP       |        |
| 2   | 0.1500      | 24.59          | 17.82       | 42.41         | 55.99        | -13.58          | AVG      |        |
| 3   | 0.2140      | 27.10          | 17.82       | 44.92         | 63.04        | -18.12          | QP       |        |
| 4   | 0.2140      | 16.90          | 17.82       | 34.72         | 53.04        | -18.32          | AVG      |        |
| 5   | 0.5380      | 23.51          | 17.86       | 41.37         | 56.00        | -14.63          | QP       |        |
| 6   | 0.5380      | 12.97          | 17.86       | 30.83         | 46.00        | -15.17          | AVG      |        |
| 7   | 1.4340      | 13.87          | 17.86       | 31.73         | 46.00        | -14.27          | AVG      |        |
| 8   | 1.4900      | 24.62          | 17.86       | 42.48         | 56.00        | -13.52          | QP       |        |
| 9   | 1.7540      | 11.99          | 17.86       | 29.85         | 46.00        | -16.15          | AVG      |        |
| 10  | 1.8220      | 21.86          | 17.86       | 39.72         | 56.00        | -16.28          | QP       |        |
| 11  | 27.3460     | 12.85          | 18.60       | 31.45         | 50.00        | -18.55          | AVG      |        |
| 12  | 28.1260     | 26.45          | 18.63       | 45.08         | 60.00        | -14.92          | QP       |        |



**Conducted Emission Test Data**

Test Site: 1# Shielded Room  
 Operating Condition: 802.11b 2462MHz  
 Test Specification: AC 120V/60Hz  
 Comment: Neutral Line  
 Temp.(°C)/Hum.(%RH): 22.1°C/50%RH



| No. | Freq. (MHz) | Reading (dBμV) | Factor (dB) | Result (dBμV) | Limit (dBμV) | Over Limit (dB) | Detector | Remark |
|-----|-------------|----------------|-------------|---------------|--------------|-----------------|----------|--------|
| 1   | 0.1500      | 32.41          | 17.82       | 50.23         | 65.99        | -15.76          | QP       |        |
| 2   | 0.1500      | 22.95          | 17.82       | 40.77         | 55.99        | -15.22          | AVG      |        |
| 3   | 0.2900      | 24.89          | 17.84       | 42.73         | 60.52        | -17.79          | QP       |        |
| 4   | 0.5580      | 24.70          | 17.86       | 42.56         | 56.00        | -13.44          | QP       |        |
| 5   | 0.7780      | 13.40          | 17.87       | 31.27         | 46.00        | -14.73          | AVG      |        |
| 6   | 1.2380      | 24.99          | 17.85       | 42.84         | 56.00        | -13.16          | QP       |        |
| 7   | 1.4580      | 13.67          | 17.86       | 31.53         | 46.00        | -14.47          | AVG      |        |
| 8   | 1.6460      | 23.06          | 17.85       | 40.91         | 56.00        | -15.09          | QP       |        |
| 9   | 1.8020      | 11.98          | 17.86       | 29.84         | 46.00        | -16.16          | AVG      |        |
| 10  | 27.3420     | 14.64          | 18.60       | 33.24         | 50.00        | -16.76          | AVG      |        |
| 11  | 28.1220     | 26.63          | 18.63       | 45.26         | 60.00        | -14.74          | QP       |        |
| 12  | 28.1220     | 14.17          | 18.63       | 32.80         | 50.00        | -17.20          | AVG      |        |

Note:

Result(dBμV) = Reading(dBμV) + Factor(dB);

Over Limit(dB) = Result(dBμV) - Limit(dBμV)



## 4. Radiation Spurious Emission and Band Edge Test

### 4.1. Test Standard and Limit

| Test Standard | FCC Part15 C Section 15.209 and 15.205 |                                  |                |            |                          |
|---------------|----------------------------------------|----------------------------------|----------------|------------|--------------------------|
| Test Limit    | Frequency (MHz)                        | 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~1000MHz                         | 500                              | 54.0           | Quasi-peak | 3                        |
|               | Above 1000MHz                          | 500                              | 54.0           | Average    | 3                        |
|               |                                        | -                                | 74.0           | Peak       | 3                        |

#### Remark:

(1)The lower limit shall apply at the transition frequency.

(2) 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.

### 4.2. Test Setup

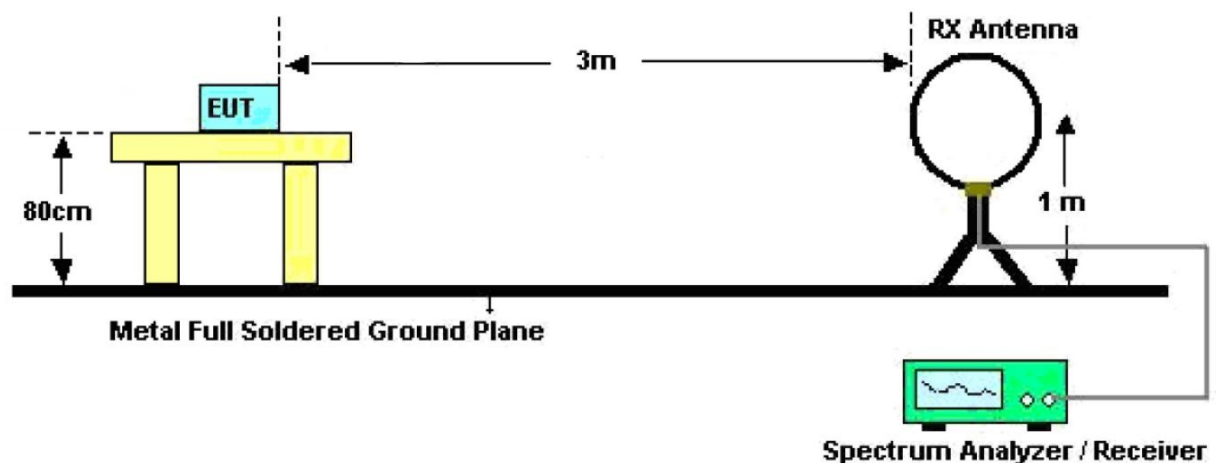


Figure 1. Below 30MHz

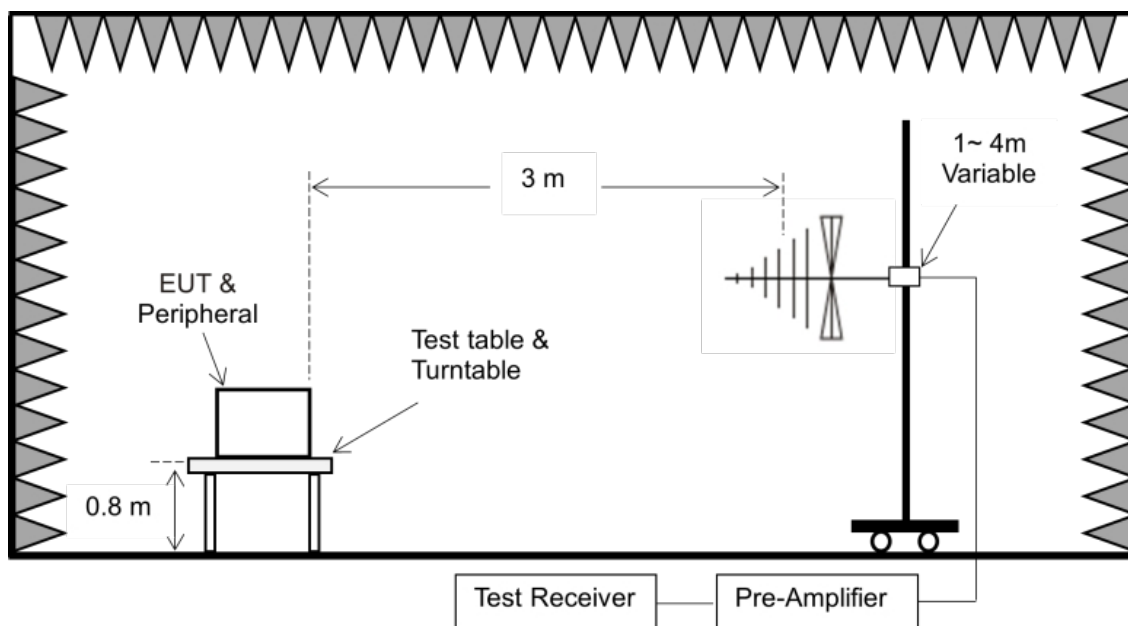


Figure 2. 30MHz to 1GHz

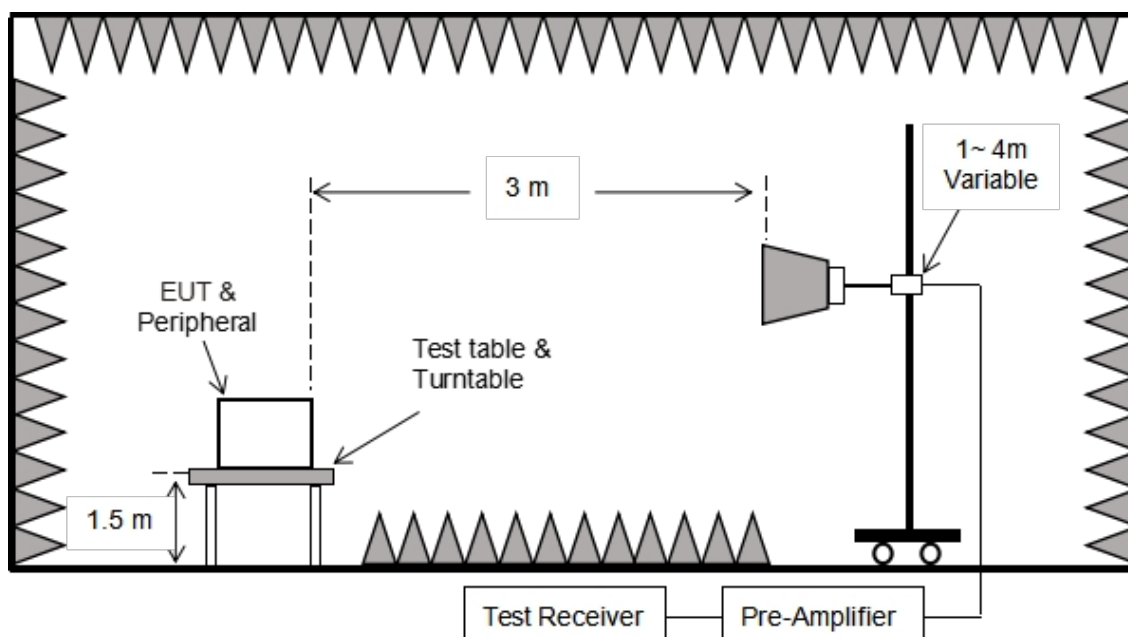


Figure 3. Above 1 GHz

### 4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.1m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.

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 be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9\*6\*6 Chamber. The device is evaluated in xyz orientation.

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.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW = 1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW = 30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW = 300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz, Set the spectrum analyzer as:

RBW = 1MHz, VBW = 1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

For average measurement:

–VBW=10Hz, When duty cycle is no less than 98 percent

–VBW $\geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clause 5.4 duty cycle.

#### 4.4. Test Data

##### PASS

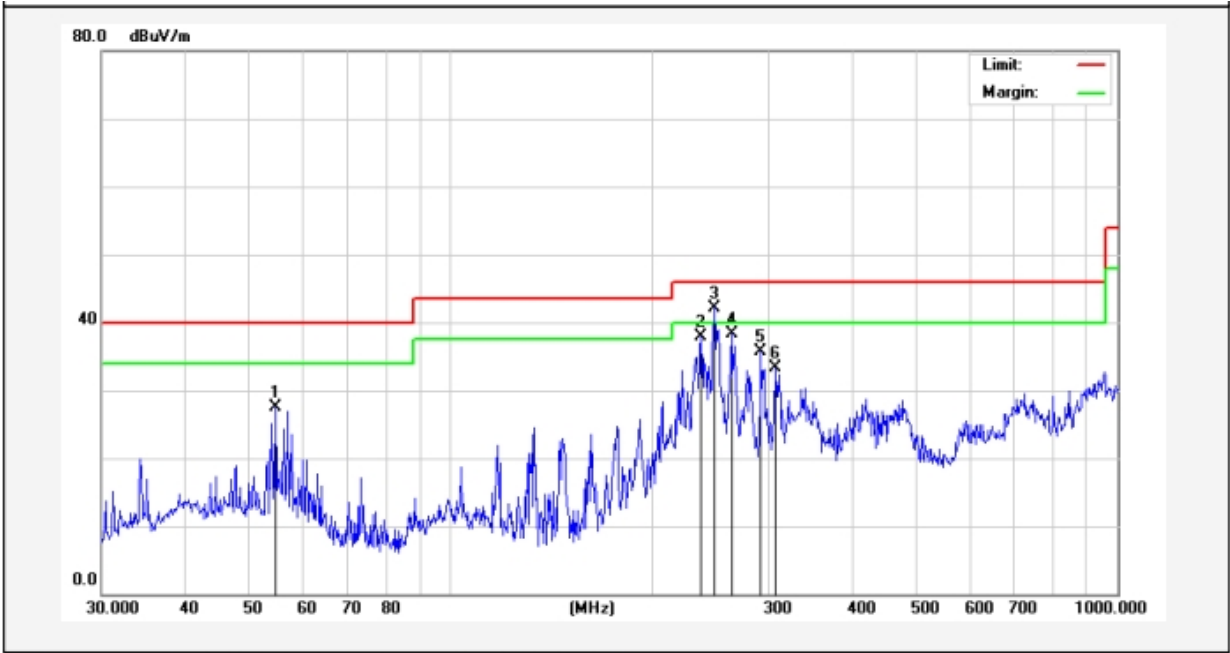
During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

During the test, pre-scan all modes, only the worst case is recorded in the report.

Test Results (30~1000MHz)

Test Mode: 802.11b 2462MHz  
Power Source: AC 120V/60Hz  
Polarization: Horizontal  
Temp.(°C)/Hum.(%RH): 25.3°C/54%RH



| No. | Freq. (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | Detector |  |  |  |
|-----|-------------|----------------|---------------|-----------------|----------------|-----------------|----------|--|--|--|
| 1   | 54.6429     | 45.18          | -17.70        | 27.48           | 40.00          | -12.52          | QP       |  |  |  |
| 2   | 237.4760    | 56.74          | -18.80        | 37.94           | 46.00          | -8.06           | QP       |  |  |  |
| 3   | 248.5519    | 60.62          | -18.42        | 42.20           | 46.00          | -3.80           | QP       |  |  |  |
| 4   | 263.8190    | 56.11          | -17.90        | 38.21           | 46.00          | -7.79           | QP       |  |  |  |
| 5   | 292.0583    | 52.60          | -16.98        | 35.62           | 46.00          | -10.38          | QP       |  |  |  |
| 6   | 306.7537    | 49.78          | -16.54        | 33.24           | 46.00          | -12.76          | QP       |  |  |  |

Test Results (30~1000MHz)

Test Mode:

802.11b 2462MHz

Power Source:

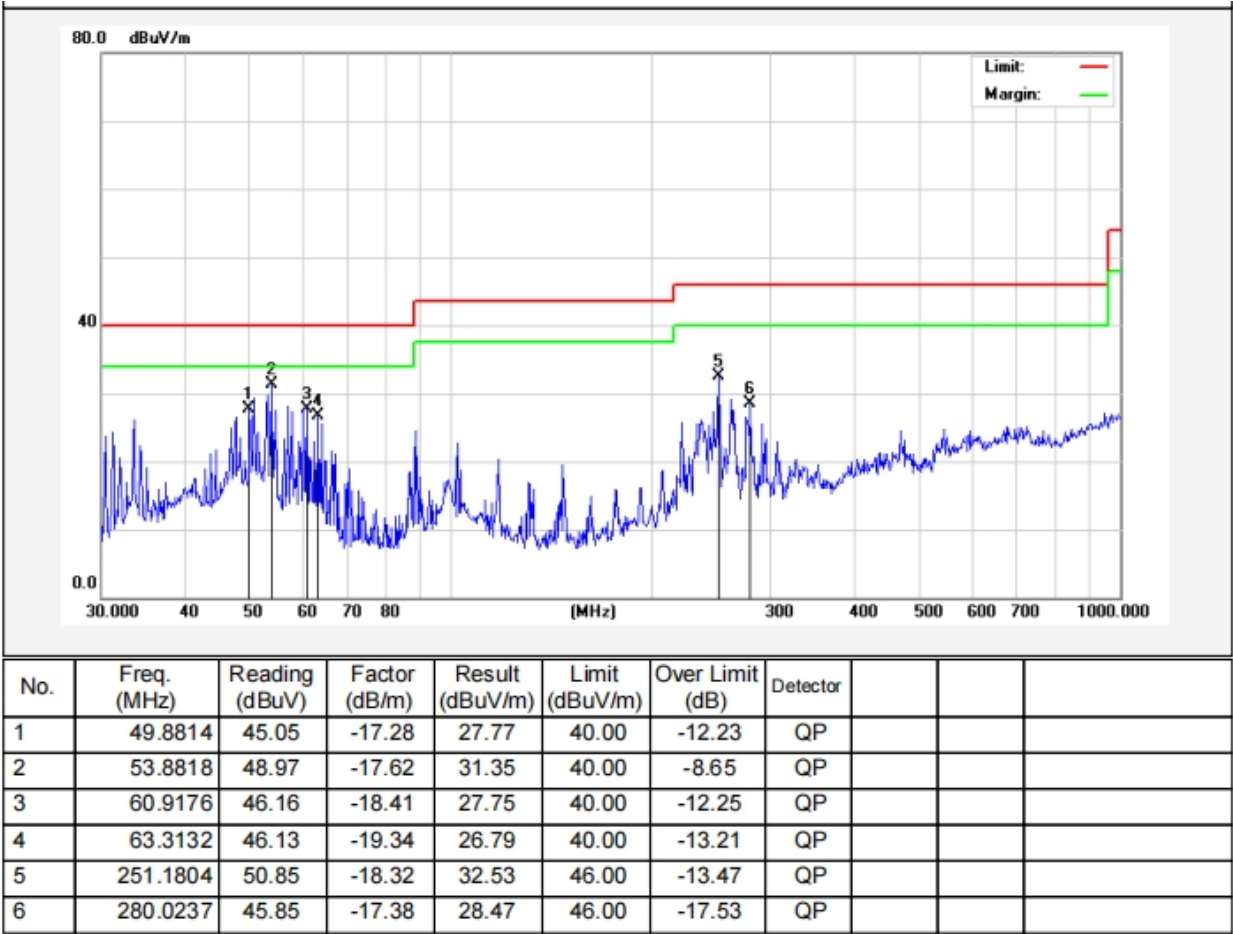
AC 120V/60Hz

Polarization:

Vertical

Temp.(°C)/Hum.(%RH):

25.3°C/54%RH



Note:

Result(dBμV/m) = Reading(dBμV) + Factor(dB/m);

Over Limit(dB) = Result(dBμV/m) - Limit(dBμV/m)

**Test Results (Above 1000MHz)**

| Test Mode: 802.11b Mode |                |               | Test channel: Lowest |                     |                 |              |
|-------------------------|----------------|---------------|----------------------|---------------------|-----------------|--------------|
| Peak value:             |                |               |                      |                     |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m)      | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4824.00                 | 29.28          | 15.31         | 44.59                | 74.00               | -29.41          | Vertical     |
| 7236.00                 | 30.65          | 18.06         | 48.71                | 74.00               | -25.29          | Vertical     |
| 9648.00                 | 30.90          | 23.77         | 54.67                | 74.00               | -19.33          | Vertical     |
| 12060.00                | *              |               |                      | 74.00               |                 | Vertical     |
| 14472.00                | *              |               |                      | 74.00               |                 | Vertical     |
| 4824.00                 | 28.63          | 15.31         | 43.94                | 74.00               | -30.06          | Horizontal   |
| 7236.00                 | 31.23          | 18.06         | 49.29                | 74.00               | -24.71          | Horizontal   |
| 9648.00                 | 28.55          | 23.77         | 52.32                | 74.00               | -21.68          | Horizontal   |
| 12060.00                | *              |               |                      | 74.00               |                 | Horizontal   |
| 14472.00                | *              |               |                      | 74.00               |                 | Horizontal   |
| Average value:          |                |               |                      |                     |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m)      | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4824.00                 | 21.30          | 15.31         | 36.61                | 54.00               | -17.39          | Vertical     |
| 7236.00                 | 22.43          | 18.06         | 40.49                | 54.00               | -13.51          | Vertical     |
| 9648.00                 | 22.80          | 23.77         | 46.57                | 54.00               | -7.43           | Vertical     |
| 12060.00                | *              |               |                      | 54.00               |                 | Vertical     |
| 14472.00                | *              |               |                      | 54.00               |                 | Vertical     |
| 4824.00                 | 21.14          | 15.31         | 36.45                | 54.00               | -17.55          | Horizontal   |
| 7236.00                 | 23.80          | 18.06         | 41.86                | 54.00               | -12.14          | Horizontal   |
| 9648.00                 | 20.29          | 23.77         | 44.06                | 54.00               | -9.94           | Horizontal   |
| 12060.00                | *              |               |                      | 54.00               |                 | Horizontal   |
| 14472.00                | *              |               |                      | 54.00               |                 | Horizontal   |

**Test Results (Above 1000MHz)**

| Test Mode: 802.11b Mode |                |               |                 | Test channel: Middle |                 |              |
|-------------------------|----------------|---------------|-----------------|----------------------|-----------------|--------------|
| Peak value:             |                |               |                 |                      |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | polarization |
| 4874.00                 | 29.23          | 15.41         | 44.64           | 74.00                | -29.36          | Vertical     |
| 7311.00                 | 29.00          | 18.01         | 47.01           | 74.00                | -26.99          | Vertical     |
| 9748.00                 | 30.84          | 23.79         | 54.63           | 74.00                | -19.37          | Vertical     |
| 12185.00                | *              |               |                 | 74.00                |                 | Vertical     |
| 14622.00                | *              |               |                 | 74.00                |                 | Vertical     |
| 4874.00                 | 28.43          | 15.41         | 43.84           | 74.00                | -30.16          | Horizontal   |
| 7311.00                 | 30.15          | 18.01         | 48.16           | 74.00                | -25.84          | Horizontal   |
| 9748.00                 | 28.85          | 23.79         | 52.64           | 74.00                | -21.36          | Horizontal   |
| 12185.00                | *              |               |                 | 74.00                |                 | Horizontal   |
| 14622.00                | *              |               |                 | 74.00                |                 | Horizontal   |
| Average value:          |                |               |                 |                      |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | polarization |
| 4874.00                 | 20.05          | 15.41         | 35.46           | 54.00                | -18.54          | Vertical     |
| 7311.00                 | 19.90          | 18.01         | 37.91           | 54.00                | -16.09          | Vertical     |
| 9748.00                 | 21.09          | 23.79         | 44.88           | 54.00                | -9.12           | Vertical     |
| 12185.00                | *              |               |                 | 54.00                |                 | Vertical     |
| 14622.00                | *              |               |                 | 54.00                |                 | Vertical     |
| 4874.00                 | 19.53          | 15.41         | 34.94           | 54.00                | -19.06          | Horizontal   |
| 7311.00                 | 20.23          | 18.01         | 38.24           | 54.00                | -15.76          | Horizontal   |
| 9748.00                 | 19.56          | 23.79         | 43.35           | 54.00                | -10.65          | Horizontal   |
| 12185.00                | *              |               |                 | 54.00                |                 | Horizontal   |
| 14622.00                | *              |               |                 | 54.00                |                 | Horizontal   |

**Test Results (Above 1000MHz)**

| Test Mode: 802.11b Mode |                |               |                 | Test channel: Highest |                 |              |
|-------------------------|----------------|---------------|-----------------|-----------------------|-----------------|--------------|
| Peak value:             |                |               |                 |                       |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | polarization |
| 4924.00                 | 29.09          | 15.51         | 44.60           | 74.00                 | -29.40          | Vertical     |
| 7386.00                 | 28.94          | 17.97         | 46.91           | 74.00                 | -27.09          | Vertical     |
| 9848.00                 | 30.28          | 23.82         | 54.10           | 74.00                 | -19.90          | Vertical     |
| 12310.00                | *              |               |                 | 74.00                 |                 | Vertical     |
| 14772.00                | *              |               |                 | 74.00                 |                 | Vertical     |
| 4924.00                 | 29.09          | 15.51         | 44.60           | 74.00                 | -29.40          | Horizontal   |
| 7386.00                 | 30.50          | 17.97         | 48.47           | 74.00                 | -25.53          | Horizontal   |
| 9848.00                 | 29.35          | 23.82         | 53.17           | 74.00                 | -20.83          | Horizontal   |
| 12310.00                | *              |               |                 | 74.00                 |                 | Horizontal   |
| 14772.00                | *              |               |                 | 74.00                 |                 | Horizontal   |
| Average value:          |                |               |                 |                       |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | polarization |
| 4924.00                 | 19.88          | 15.51         | 35.39           | 54.00                 | -18.61          | Vertical     |
| 7386.00                 | 19.34          | 17.97         | 37.31           | 54.00                 | -16.69          | Vertical     |
| 9848.00                 | 21.53          | 23.82         | 45.35           | 54.00                 | -8.65           | Vertical     |
| 12310.00                | *              |               |                 | 54.00                 |                 | Vertical     |
| 14772.00                | *              |               |                 | 54.00                 |                 | Vertical     |
| 4924.00                 | 19.34          | 15.51         | 34.85           | 54.00                 | -19.15          | Horizontal   |
| 7386.00                 | 20.61          | 17.97         | 38.58           | 54.00                 | -15.42          | Horizontal   |
| 9848.00                 | 19.79          | 23.82         | 43.61           | 54.00                 | -10.39          | Horizontal   |
| 12310.00                | *              |               |                 | 54.00                 |                 | Horizontal   |
| 14772.00                | *              |               |                 | 54.00                 |                 | Horizontal   |

**Remark:**

1. During the test, pre-scan the 802.11b,g,n(HT20) mode, and found the 802.11b Mode is worse case , the report only record this mode.
2. Result=Reading + Factor
3. “\*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

**Radiated Band Edge:**

| Test Mode: 802.11b Mode |                |               |                 | Test channel: Lowest |                 |              |
|-------------------------|----------------|---------------|-----------------|----------------------|-----------------|--------------|
| Peak value:             |                |               |                 |                      |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | Polarization |
| 2310.00                 | 39.40          | 9.58          | 48.98           | 74.00                | -25.02          | Horizontal   |
| 2390.00                 | 41.24          | 9.73          | 50.97           | 74.00                | -23.03          | Horizontal   |
| 2310.00                 | 40.89          | 9.58          | 50.47           | 74.00                | -23.53          | Vertical     |
| 2390.00                 | 47.00          | 9.73          | 56.73           | 74.00                | -17.27          | Vertical     |
| Average value:          |                |               |                 |                      |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | Polarization |
| 2310.00                 | 30.08          | 9.58          | 39.66           | 54.00                | -14.34          | Horizontal   |
| 2390.00                 | 37.38          | 9.73          | 47.11           | 54.00                | -6.89           | Horizontal   |
| 2310.00                 | 30.91          | 9.58          | 40.49           | 54.00                | -13.51          | Vertical     |
| 2390.00                 | 39.77          | 9.73          | 49.50           | 54.00                | -4.50           | Vertical     |

| Test Mode: 802.11b Mode |                |               |                 | Test channel: Highest |                 |              |
|-------------------------|----------------|---------------|-----------------|-----------------------|-----------------|--------------|
| Peak value:             |                |               |                 |                       |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | Polarization |
| 2483.50                 | 46.93          | 9.91          | 56.84           | 74.00                 | -17.16          | Horizontal   |
| 2500.00                 | 41.51          | 9.94          | 51.45           | 74.00                 | -22.55          | Horizontal   |
| 2483.50                 | 47.29          | 9.91          | 57.20           | 74.00                 | -16.80          | Vertical     |
| 2500.00                 | 41.26          | 9.94          | 51.20           | 74.00                 | -22.80          | Vertical     |
| Average value:          |                |               |                 |                       |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | Polarization |
| 2483.50                 | 38.50          | 9.91          | 48.41           | 54.00                 | -5.59           | Horizontal   |
| 2500.00                 | 30.59          | 9.94          | 40.53           | 54.00                 | -13.47          | Horizontal   |
| 2483.50                 | 40.43          | 9.91          | 50.34           | 54.00                 | -3.66           | Vertical     |
| 2500.00                 | 30.69          | 9.94          | 40.63           | 54.00                 | -13.37          | Vertical     |

Remark: 1. Result=Reading + Factor

**Radiated Band Edge:**

| Test Mode: 802.11g Mode |                |               |                 | Test channel: Lowest |                 |              |
|-------------------------|----------------|---------------|-----------------|----------------------|-----------------|--------------|
| Peak value:             |                |               |                 |                      |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | Polarization |
| 2310.00                 | 37.90          | 9.58          | 47.48           | 74.00                | -26.52          | Horizontal   |
| 2390.00                 | 42.00          | 9.73          | 51.73           | 74.00                | -22.27          | Horizontal   |
| 2310.00                 | 40.85          | 9.58          | 50.43           | 74.00                | -23.57          | Vertical     |
| 2390.00                 | 44.91          | 9.73          | 54.64           | 74.00                | -19.36          | Vertical     |
| Average value:          |                |               |                 |                      |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | Polarization |
| 2310.00                 | 31.02          | 9.58          | 40.60           | 54.00                | -13.40          | Horizontal   |
| 2390.00                 | 38.02          | 9.73          | 47.75           | 54.00                | -6.25           | Horizontal   |
| 2310.00                 | 31.51          | 9.58          | 41.09           | 54.00                | -12.91          | Vertical     |
| 2390.00                 | 36.83          | 9.73          | 46.56           | 54.00                | -7.44           | Vertical     |

| Test Mode: 802.11g Mode |                |               |                 | Test channel: Highest |                 |              |
|-------------------------|----------------|---------------|-----------------|-----------------------|-----------------|--------------|
| Peak value:             |                |               |                 |                       |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | Polarization |
| 2483.50                 | 46.99          | 9.91          | 56.90           | 74.00                 | -17.10          | Horizontal   |
| 2500.00                 | 41.67          | 9.94          | 51.61           | 74.00                 | -22.39          | Horizontal   |
| 2483.50                 | 47.16          | 9.91          | 57.07           | 74.00                 | -16.93          | Vertical     |
| 2500.00                 | 41.23          | 9.94          | 51.17           | 74.00                 | -22.83          | Vertical     |
| Average value:          |                |               |                 |                       |                 |              |
| Frequency (MHz)         | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | Polarization |
| 2483.50                 | 36.67          | 9.91          | 46.58           | 54.00                 | -7.42           | Horizontal   |
| 2500.00                 | 29.69          | 9.94          | 39.63           | 54.00                 | -14.37          | Horizontal   |
| 2483.50                 | 39.38          | 9.91          | 49.29           | 54.00                 | -4.71           | Vertical     |
| 2500.00                 | 30.22          | 9.94          | 40.16           | 54.00                 | -13.84          | Vertical     |

Remark: 1. Result=Reading + Factor

**Radiated Band Edge:**

| Test Mode: 802.11n(HT20) Mode |                |               |                 | Test channel: Lowest |                 |              |
|-------------------------------|----------------|---------------|-----------------|----------------------|-----------------|--------------|
| Peak value:                   |                |               |                 |                      |                 |              |
| Frequency (MHz)               | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | Polarization |
| 2310.00                       | 35.90          | 9.58          | 45.48           | 74.00                | -28.52          | Horizontal   |
| 2390.00                       | 40.00          | 9.73          | 49.73           | 74.00                | -24.27          | Horizontal   |
| 2310.00                       | 39.85          | 9.58          | 49.43           | 74.00                | -24.57          | Vertical     |
| 2390.00                       | 42.91          | 9.73          | 52.64           | 74.00                | -21.36          | Vertical     |
| Average value:                |                |               |                 |                      |                 |              |
| Frequency (MHz)               | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)  | Over Limit (dB) | Polarization |
| 2310.00                       | 29.70          | 9.58          | 39.28           | 54.00                | -14.72          | Horizontal   |
| 2390.00                       | 35.21          | 9.73          | 44.94           | 54.00                | -9.06           | Horizontal   |
| 2310.00                       | 29.12          | 9.58          | 38.70           | 54.00                | -15.30          | Vertical     |
| 2390.00                       | 34.83          | 9.73          | 44.56           | 54.00                | -9.44           | Vertical     |

| Test Mode: 802.11n(HT20) Mode |                |               |                 | Test channel: Highest |                 |              |
|-------------------------------|----------------|---------------|-----------------|-----------------------|-----------------|--------------|
| Peak value:                   |                |               |                 |                       |                 |              |
| Frequency (MHz)               | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | Polarization |
| 2483.50                       | 44.70          | 9.91          | 54.61           | 74.00                 | -19.39          | Horizontal   |
| 2500.00                       | 39.51          | 9.94          | 49.45           | 74.00                 | -24.55          | Horizontal   |
| 2483.50                       | 46.29          | 9.91          | 56.20           | 74.00                 | -17.80          | Vertical     |
| 2500.00                       | 41.26          | 9.94          | 51.20           | 74.00                 | -22.80          | Vertical     |
| Average value:                |                |               |                 |                       |                 |              |
| Frequency (MHz)               | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m)   | Over Limit (dB) | Polarization |
| 2483.50                       | 34.65          | 9.91          | 44.56           | 54.00                 | -9.44           | Horizontal   |
| 2500.00                       | 29.84          | 9.94          | 39.78           | 54.00                 | -14.22          | Horizontal   |
| 2483.50                       | 36.20          | 9.91          | 46.11           | 54.00                 | -7.89           | Vertical     |
| 2500.00                       | 30.36          | 9.94          | 40.30           | 54.00                 | -13.70          | Vertical     |

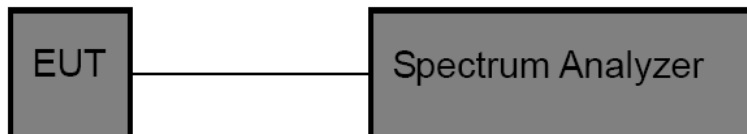
Remark: 1. Result=Reading + Factor

## 5. Maximum Conducted Output Power Test

### 5.1. Test Standard and Limit

|               |                                    |
|---------------|------------------------------------|
| Test Standard | FCC Part15 C Section 15.247 (b)(3) |
| Test Limit    | 1W (30dBm)                         |

### 5.2. Test Setup



### 5.3. Test Procedure

1. Measure the duty cycle D of the transmitter output signal.
2. Set span to at least 1.5 times the OBW.
3. Set RBW = 1% to 5% of the OBW, not to exceed 1 MHz.
4. Set VBW  $\geq [3 \times \text{RBW}]$ .
5. Number of points in sweep  $\geq [2 \times \text{span} / \text{RBW}]$ .
6. Sweep time = auto.
7. Detector = RMS
8. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.
9. Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
10. Add  $[10 \log (1 / D)]$ , where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

### 5.4. Test Data

Pass

Please refer to Appendix D of the Appendix Test Data.

#### Additional test for duty cycle.

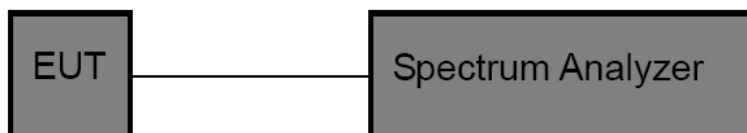
Please refer to Appendix C of the Appendix Test Data.

## 6. 6dB Bandwidth and 99% Occupied Bandwidth Test

### 6.1. Test Standard and Limit

|               |                                    |
|---------------|------------------------------------|
| Test Standard | FCC Part15 C Section 15.247 (a)(2) |
| Test Limit    | ≥500kHz                            |

### 6.2. Test Setup



### 6.3. Test Procedure

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as:  
RBW= 100kHz, VBW≥3\*RBW  
Detector= Peak  
Trace mode= Max hold.  
Sweep- auto couple.
4. Mark the peak frequency and –6dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.

### 6.4. Test Data

Pass

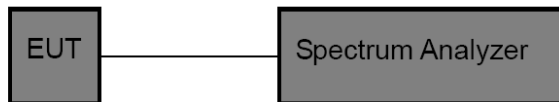
Please refer to Appendix A & Appendix B of the Appendix Test Data.

## 7. Maximum Power Spectral Density Test

### 7.1. Test Standard and Limit

|               |                                |
|---------------|--------------------------------|
| Test Standard | FCC Part15 C Section15.247 (e) |
| Test Limit    | 8dBm/3kHz                      |

### 7.2. Test Setup



### 7.3. Test Procedure

1. Place the EUT on the table and set it in transmitting mode. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as  $3\text{kHz} \leq \text{RBW} \leq 100\text{kHz}$ ,  $\text{VBW} \geq 3 \times \text{RBW}$ ,  $\text{Span} = 1.5 \times \text{DTS BW}$
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed.

### 7.4. Test Data

Pass

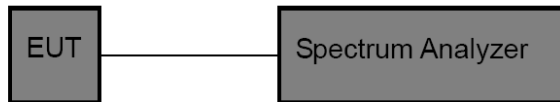
Please refer to Appendix E of the Appendix Test Data.

## 8. Conducted Spurious Emission and Band Edge Test

### 8.1. Test Standard and Limit

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Standard | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Test Limit    | In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in15.209(a). |

### 8.2. Test Setup



### 8.3. Test Procedure

Using the following spectrum analyzer setting:

1. Set the RBW = 100kHz.
2. Set the VBW = 300kHz.
3. Sweep time = auto couple.
4. Detector function = peak.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.

### 8.4. Test Data

Pass

Please refer to Appendix F & Appendix G of the Appendix Test Data.

## 9. Antenna Requirement

### 9.1. Test Standard and Requirement

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Standard | FCC Part15 Section 15.203 /247(c)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Requirement   | <p>1) 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.</p> <p>2) 15.247(c) (1)(i) requirement:<br/>Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.</p> |

### 9.2. Antenna Connected Construction

The antenna is a FPC Antenna which permanently attached, and the best case gain of the antenna is 4.42dBi. It complies with the standard requirement.

## **APPENDIX I -- TEST SETUP PHOTOGRAPH**

Please refer to separated files Appendix I -- Test Setup Photograph\_RF

## **APPENDIX II -- EXTERNAL PHOTOGRAPH**

Please refer to separated files Appendix II -- External Photograph

## **APPENDIX III -- INTERNAL PHOTOGRAPH**

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report -----