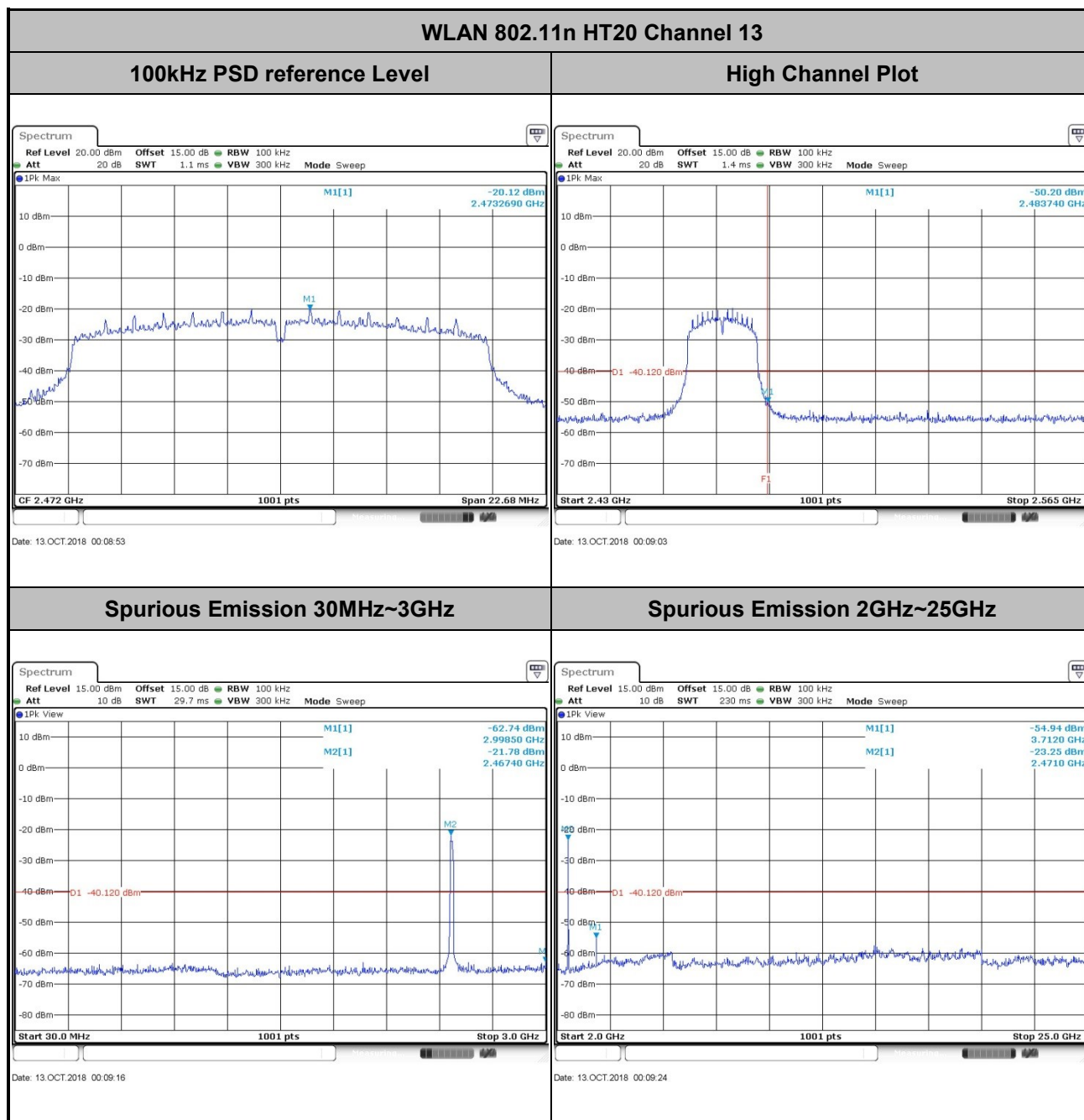




|                |              |                     |           |
|----------------|--------------|---------------------|-----------|
| Test Mode :    | 802.11n HT20 | Temperature :       | 24~26°C   |
| Test Band :    | 2.4GHz High  | Relative Humidity : | 50~53%    |
| Test Channel : | 13           | Test Engineer :     | Sam Zheng |



### 3.5 Radiated Band Edges and Spurious Emission Measurement

#### 3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490      | 2400/F(kHz)                          | 300                              |
| 0.490 – 1.705      | 24000/F(kHz)                         | 30                               |
| 1.705 – 30.0       | 30                                   | 30                               |
| 30 – 88            | 100                                  | 3                                |
| 88 – 216           | 150                                  | 3                                |
| 216 - 960          | 200                                  | 3                                |
| Above 960          | 500                                  | 3                                |

#### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.5.3 Test Procedures

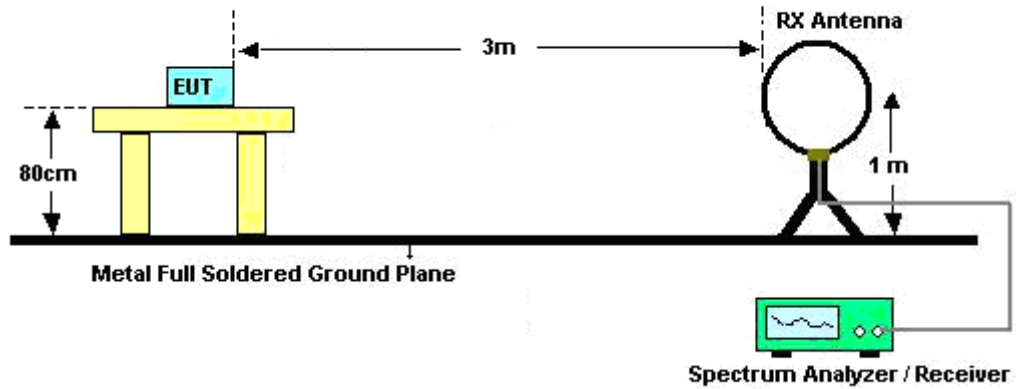
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=100 kHz for  $f < 1$  GHz; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold;
  - (3) Set RBW = 1 MHz, VBW= 3MHz for  $f \geq 1$  GHz for peak measurement.

For average measurement:

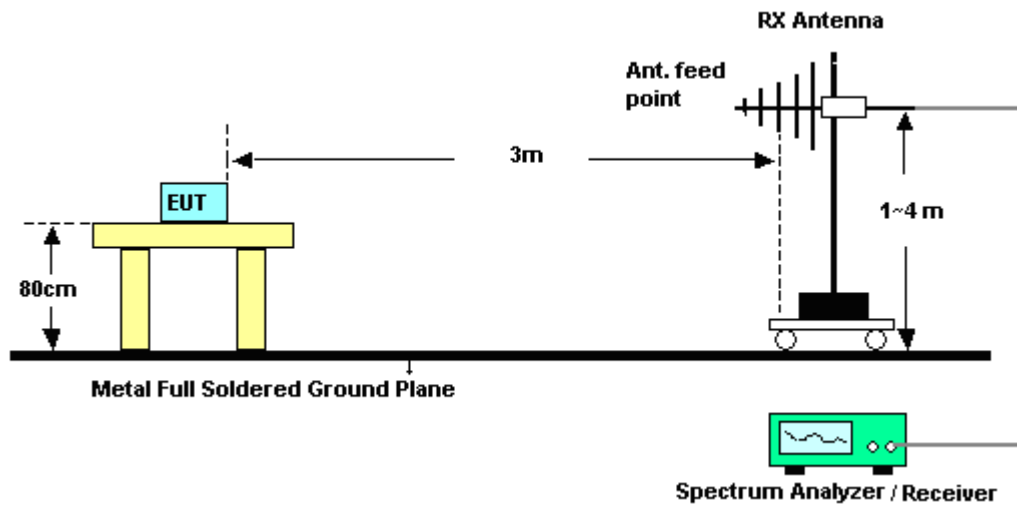
    - VBW = 10 Hz, when duty cycle is no less than 98 percent.
    - VBW  $\geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

### 3.5.4 Test Setup

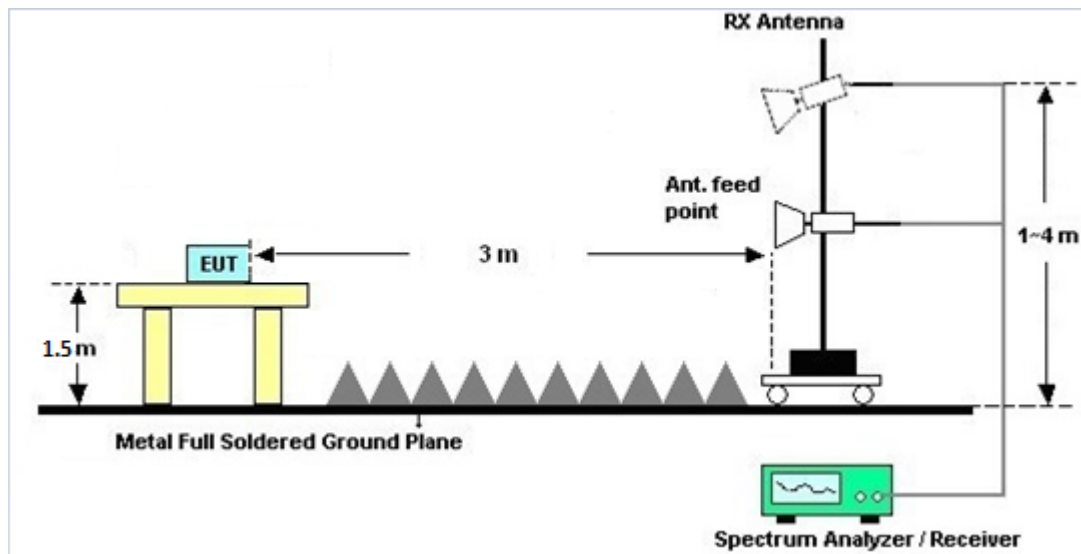
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



### 3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

### 3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

### 3.5.7 Duty Cycle

Please refer to Appendix D.

### 3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)

Please refer to Appendix B and C.

## 3.6 AC Conducted Emission Measurement

### 3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, 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 of Emission<br>(MHz) | Conducted Limit (dB $\mu$ V) |           |
|--------------------------------|------------------------------|-----------|
|                                | Quasi-Peak                   | Average   |
| 0.15-0.5                       | 66 to 56*                    | 56 to 46* |
| 0.5-5                          | 56                           | 46        |
| 5-30                           | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

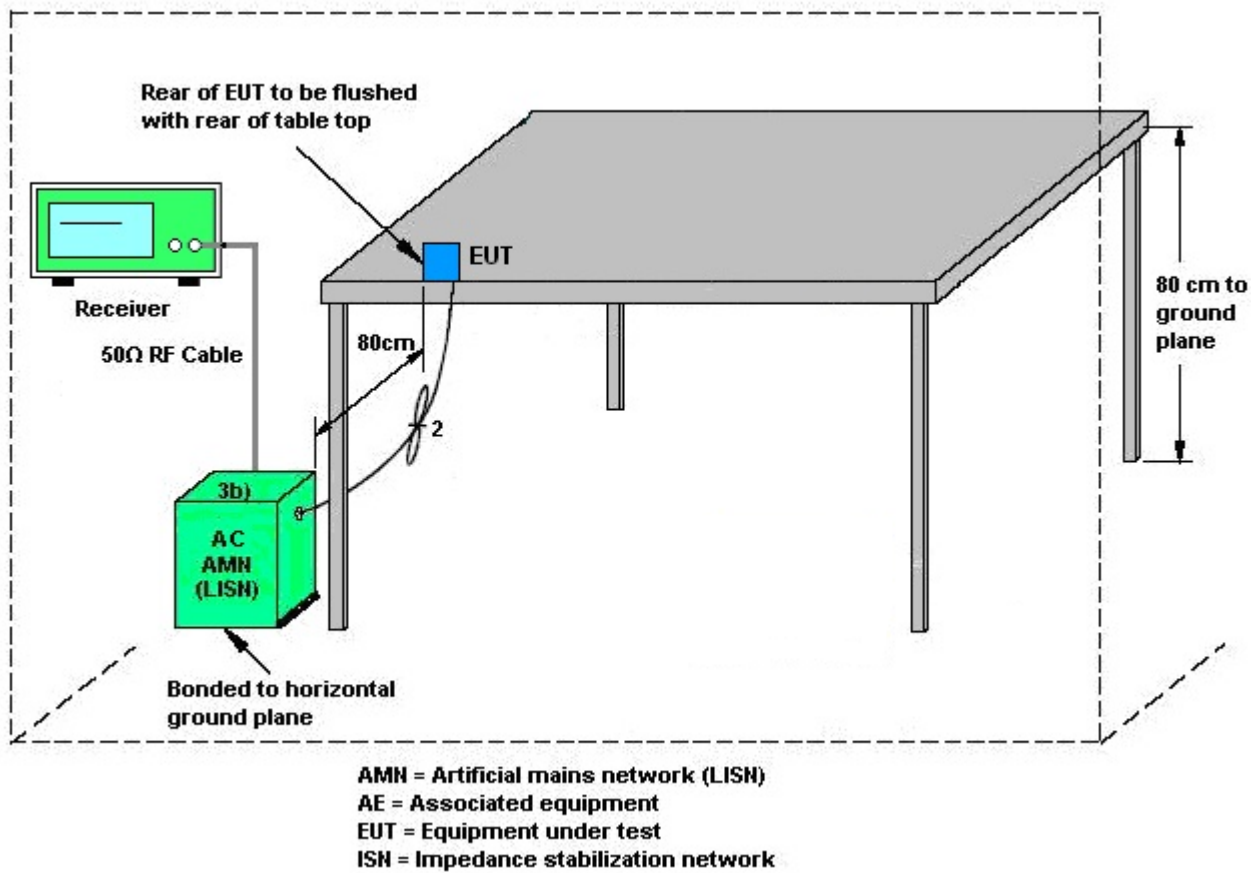
### 3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.6.3 Test Procedures

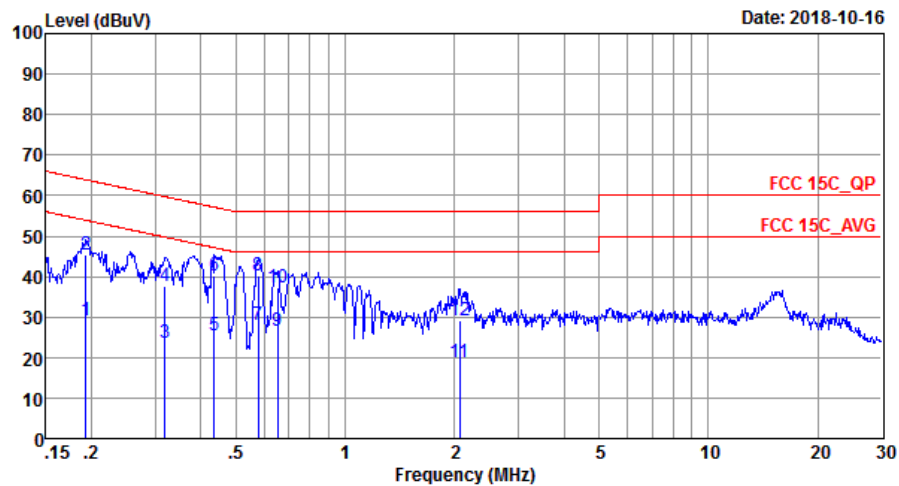
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

### 3.6.4 Test Setup



### 3.6.5 Test Result of AC Conducted Emission

|                 |                                                                       |                     |        |
|-----------------|-----------------------------------------------------------------------|---------------------|--------|
| Test Mode :     | Mode 1                                                                | Temperature :       | 22~25℃ |
| Test Engineer : | Zhang Xu                                                              | Relative Humidity : | 50~55% |
| Test Voltage :  | 120Vac / 60Hz                                                         | Phase :             | Line   |
| Function Type : | Bluetooth Link + WLAN (2.4G) Link + USB Cable (Charging from Adapter) |                     |        |

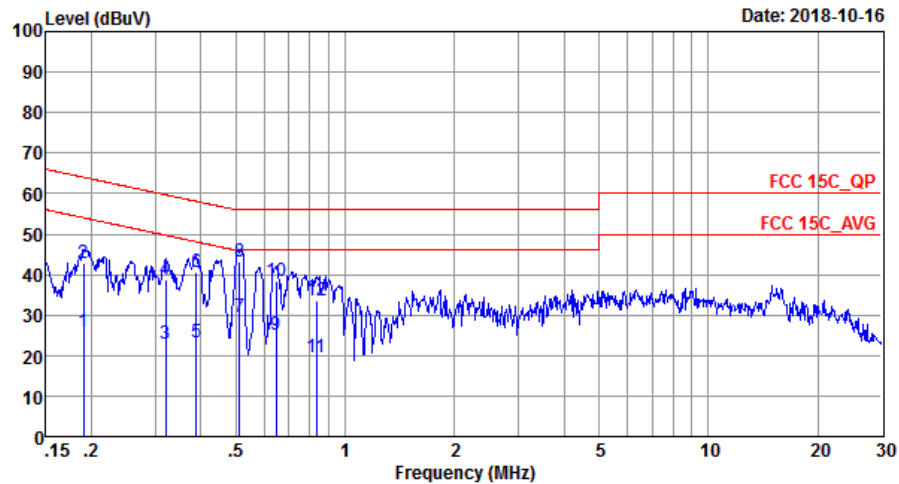


Site : C001-SZ  
Condition: FCC 15C\_QP LISN\_20180719\_L LINE

|     | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark  |
|-----|------|-------|------------|------------|------------|-------------|------------|---------|
|     | MHz  | dBuV  | dB         | dBuV       | dBuV       | dB          | dB         |         |
| 1   | 0.19 | 29.30 | -24.59     | 53.89      | 19.20      | 0.03        | 10.07      | Average |
| 2   | 0.19 | 45.29 | -18.60     | 63.89      | 35.19      | 0.03        | 10.07      | QP      |
| 3   | 0.32 | 23.71 | -26.04     | 49.75      | 13.60      | 0.03        | 10.08      | Average |
| 4   | 0.32 | 37.71 | -22.04     | 59.75      | 27.60      | 0.03        | 10.08      | QP      |
| 5   | 0.44 | 25.61 | -21.54     | 47.15      | 15.50      | 0.03        | 10.08      | Average |
| 6   | 0.44 | 40.31 | -16.84     | 57.15      | 30.20      | 0.03        | 10.08      | QP      |
| 7   | 0.58 | 28.10 | -17.90     | 46.00      | 18.00      | 0.02        | 10.08      | Average |
| 8 * | 0.58 | 40.30 | -15.70     | 56.00      | 30.20      | 0.02        | 10.08      | QP      |
| 9   | 0.65 | 26.70 | -19.30     | 46.00      | 16.60      | 0.02        | 10.08      | Average |
| 10  | 0.65 | 37.40 | -18.60     | 56.00      | 27.30      | 0.02        | 10.08      | QP      |
| 11  | 2.07 | 18.83 | -27.17     | 46.00      | 8.61       | 0.11        | 10.11      | Average |
| 12  | 2.07 | 29.03 | -26.97     | 56.00      | 18.81      | 0.11        | 10.11      | QP      |



|                 |                                                                       |                     |         |
|-----------------|-----------------------------------------------------------------------|---------------------|---------|
| Test Mode :     | Mode 1                                                                | Temperature :       | 22~25°C |
| Test Engineer : | Zhang Xu                                                              | Relative Humidity : | 50~55%  |
| Test Voltage :  | 120Vac / 60Hz                                                         | Phase :             | Neutral |
| Function Type : | Bluetooth Link + WLAN (2.4G) Link + USB Cable (Charging from Adapter) |                     |         |



Site : CO01-SZ

Condition: FCC 15C\_QP LISN\_20180719\_N NEUTRAL

|     | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark  |
|-----|------|-------|------------|------------|------------|-------------|------------|---------|
|     |      |       | dB         | dBuV       | dBuV       | dB          | dB         |         |
| 1   | 0.19 | 25.90 | -28.12     | 54.02      | 15.80      | 0.03        | 10.07      | Average |
| 2   | 0.19 | 42.80 | -21.22     | 64.02      | 32.70      | 0.03        | 10.07      | QP      |
| 3   | 0.32 | 22.71 | -27.00     | 49.71      | 12.60      | 0.03        | 10.08      | Average |
| 4   | 0.32 | 38.61 | -21.10     | 59.71      | 28.50      | 0.03        | 10.08      | QP      |
| 5   | 0.39 | 23.40 | -24.68     | 48.08      | 13.30      | 0.02        | 10.08      | Average |
| 6   | 0.39 | 40.60 | -17.48     | 58.08      | 30.50      | 0.02        | 10.08      | QP      |
| 7   | 0.51 | 29.70 | -16.30     | 46.00      | 19.60      | 0.02        | 10.08      | Average |
| 8 * | 0.51 | 43.00 | -13.00     | 56.00      | 32.90      | 0.02        | 10.08      | QP      |
| 9   | 0.64 | 25.00 | -21.00     | 46.00      | 14.90      | 0.02        | 10.08      | Average |
| 10  | 0.64 | 38.20 | -17.80     | 56.00      | 28.10      | 0.02        | 10.08      | QP      |
| 11  | 0.83 | 19.72 | -26.28     | 46.00      | 9.60       | 0.03        | 10.09      | Average |
| 12  | 0.83 | 33.62 | -22.38     | 56.00      | 23.50      | 0.03        | 10.09      | QP      |



## **3.7 Antenna Requirements**

### **3.7.1 Standard Applicable**

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

### **3.7.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.

### **3.7.3 Antenna Gain**

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



## 4 List of Measuring Equipment

| Instrument                           | Manufacturer | Model No.                    | Serial No.   | Characteristics           | Calibration Date | Test Date                       | Due Date      | Remark                |
|--------------------------------------|--------------|------------------------------|--------------|---------------------------|------------------|---------------------------------|---------------|-----------------------|
| Spectrum Analyzer                    | R&S          | FSV40                        | 101078       | 9kHz~40GHz                | Apr. 19, 2018    | Oct. 12, 2018~<br>Oct. 13, 2018 | Apr. 18, 2019 | Conducted (TH01-SZ)   |
| Pulse Power Sensor                   | Anritsu      | MA2411B                      | 1207253      | 30MHz~40GHz               | Dec. 26, 2017    | Oct. 12, 2018~<br>Oct. 13, 2018 | Dec. 25, 2018 | Conducted (TH01-SZ)   |
| Power Meter                          | Anritsu      | ML2495A                      | 1218010      | 50MHz Bandwidth           | Dec. 26, 2017    | Oct. 12, 2018~<br>Oct. 13, 2018 | Dec. 25, 2018 | Conducted (TH01-SZ)   |
| Spectrum Analyzer                    | R&S          | FSV40                        | 101041       | 10kHz~40GHz;<br>Max 30dBm | Oct. 19, 2017    | Oct. 10, 2018~<br>Oct. 12, 2018 | Oct. 18, 2018 | Radiation (03CH02-SZ) |
| Loop Antenna                         | R&S          | HFH2-Z2                      | 100354       | 9kHz~30MHz                | May 14, 2018     | Oct. 10, 2018~<br>Oct. 12, 2018 | May 13, 2019  | Radiation (03CH02-SZ) |
| Bilog Antenna                        | TeseQ        | CBL6112D                     | 35407        | 30MHz-2GHz                | May 10, 2018     | Oct. 10, 2018~<br>Oct. 12, 2018 | May 09, 2019  | Radiation (03CH02-SZ) |
| Double Ridge Horn Antenna            | SCHWARZBECK  | BBHA 9120D                   | 9120D-1285   | 1GHz~18GHz                | Dec. 13, 2017    | Oct. 10, 2018~<br>Oct. 12, 2018 | Dec. 12, 2018 | Radiation (03CH02-SZ) |
| SHF-EHF Horn                         | com-power    | AH-840                       | 101071       | 18GHz-40GHz               | Mar. 30, 2018    | Oct. 10, 2018~<br>Oct. 12, 2018 | Mar. 29, 2019 | Radiation (03CH02-SZ) |
| LF Amplifier                         | Burgeon      | BPA-530                      | 102211       | 0.01~3000Mhz              | Oct. 19, 2017    | Oct. 10, 2018~<br>Oct. 12, 2018 | Oct. 18, 2018 | Radiation (03CH02-SZ) |
| HF Amplifier                         | MITEQ        | AMF-7D-0010<br>1800-30-10P-R | 1707137      | 1GHz~18GHz                | Oct. 19, 2017    | Oct. 10, 2018~<br>Oct. 12, 2018 | Oct. 18, 2018 | Radiation (03CH02-SZ) |
| Amplifier                            | Agilent      | 8449B                        | 3008A01023   | 1GHz~26.5GHz              | Oct. 19, 2017    | Oct. 10, 2018~<br>Oct. 12, 2018 | Oct. 18, 2018 | Radiation (03CH02-SZ) |
| HF Amplifier                         | MITEQ        | TTA1840-35-H<br>G            | 1871923      | 18GHz~40GHz               | Jul. 30, 2018    | Oct. 10, 2018~<br>Oct. 12, 2018 | Jul. 29, 2019 | Radiation (03CH02-SZ) |
| AC Power Source                      | Chroma       | 61601                        | 616010002470 | N/A                       | NCR              | Oct. 10, 2018~<br>Oct. 12, 2018 | NCR           | Radiation (03CH02-SZ) |
| Turn Table                           | Chaintek     | T-200                        | N/A          | 0~360 degree              | NCR              | Oct. 10, 2018~<br>Oct. 12, 2018 | NCR           | Radiation (03CH02-SZ) |
| Antenna Mast                         | Chaintek     | MBS-400                      | N/A          | 1 m~4 m                   | NCR              | Oct. 10, 2018~<br>Oct. 12, 2018 | NCR           | Radiation (03CH02-SZ) |
| EMI Receiver                         | R&S          | ESR7                         | 101630       | 9kHz~7GHz;                | Dec. 26, 2017    | Oct. 16, 2018                   | Dec. 25, 2018 | Conduction (CO01-SZ)  |
| AC LISN                              | EMCO         | 3816/2SH                     | 00103912     | 9kHz~30MHz                | Dec. 26, 2017    | Oct. 16, 2018                   | Dec. 25, 2018 | Conduction (CO01-SZ)  |
| AC LISN<br>(for auxiliary equipment) | MessTec      | 3816/2SH                     | 00103892     | 9kHz~30MHz                | Nov. 01, 2017    | Oct. 16, 2018                   | Oct. 31, 2018 | Conduction (CO01-SZ)  |
| AC Power Source                      | Chroma       | 61602                        | 616020000891 | 100Vac~250Vac             | Jul. 18, 2018    | Oct. 16, 2018                   | Jul. 17, 2019 | Conduction (CO01-SZ)  |

NCR: No Calibration Required

## 5 Uncertainty of Evaluation

### Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 2.6dB |
|--------------------------------------------------------------------------|-------|

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 5.0dB |
|--------------------------------------------------------------------------|-------|

### Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 5.0dB |
|--------------------------------------------------------------------------|-------|

### Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 4.4dB |
|--------------------------------------------------------------------------|-------|



## **Appendix A. Conducted Test Results**

Report Number : FR872301-01C

|                |                       |                    |       |    |
|----------------|-----------------------|--------------------|-------|----|
| Test Engineer: | Sam Zheng             | Temperature:       | 24~26 | °C |
| Test Date:     | 2018/10/12~2018/10/13 | Relative Humidity: | 50~53 | %  |

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

| 2.4GHz Band |           |     |     |             |                       |              |                    |           |
|-------------|-----------|-----|-----|-------------|-----------------------|--------------|--------------------|-----------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | 99% Occupied BW (MHz) | 6dB BW (MHz) | 6dB BW Limit (MHz) | Pass/Fail |
|             |           |     |     |             | Ant 1                 | Ant 1        |                    |           |
| 11b         |           | 1   | 1   | 2412        | 14.19                 | 9.03         | 0.50               | Pass      |
| 11b         |           | 1   | 6   | 2437        | 14.34                 | 9.51         | 0.50               | Pass      |
| 11b         |           | 1   | 11  | 2462        | 14.24                 | 9.53         | 0.50               | Pass      |
| 11b         |           | 1   | 12  | 2467        | 14.14                 | 8.55         | 0.50               | Pass      |
| 11b         |           | 1   | 13  | 2472        | 14.14                 | 8.99         | 0.50               | Pass      |
| 11g         |           | 1   | 1   | 2412        | 17.63                 | 15.13        | 0.50               | Pass      |
| 11g         |           | 1   | 6   | 2437        | 17.88                 | 15.13        | 0.50               | Pass      |
| 11g         |           | 1   | 11  | 2462        | 17.93                 | 15.33        | 0.50               | Pass      |
| 11g         |           | 1   | 12  | 2467        | 17.78                 | 15.11        | 0.50               | Pass      |
| 11g         |           | 1   | 13  | 2472        | 17.73                 | 15.33        | 0.50               | Pass      |
| HT20        |           | 1   | 1   | 2412        | 18.28                 | 15.13        | 0.50               | Pass      |
| HT20        |           | 1   | 6   | 2437        | 19.68                 | 15.13        | 0.50               | Pass      |
| HT20        |           | 1   | 11  | 2462        | 18.53                 | 15.13        | 0.50               | Pass      |
| HT20        |           | 1   | 12  | 2467        | 18.33                 | 15.13        | 0.50               | Pass      |
| HT20        |           | 1   | 13  | 2472        | 18.68                 | 15.13        | 0.50               | Pass      |

**TEST RESULTS DATA**  
**Peak Output Power**

| 2.4GHz Band |     |     |                |                                     |                                      |                        |                                 |               |
|-------------|-----|-----|----------------|-------------------------------------|--------------------------------------|------------------------|---------------------------------|---------------|
| Mod.        | NTX | CH. | Freq.<br>(MHz) | Peak<br>Conducted<br>Power<br>(dBm) | Conducted<br>Power<br>Limit<br>(dBm) | EIRP<br>Power<br>(dBm) | EIRP<br>Power<br>Limit<br>(dBm) | Pass<br>/Fail |
|             |     |     |                | Ant 1                               | Ant 1                                | Ant 1                  | Ant 1                           |               |
| 11b         | 1   | 1   | 2412           | 21.36                               | 30.00                                | 24.23                  | 36.00                           | Pass          |
| 11b         | 1   | 6   | 2437           | 21.30                               | 30.00                                | 24.17                  | 36.00                           | Pass          |
| 11b         | 1   | 11  | 2462           | 21.15                               | 30.00                                | 24.02                  | 36.00                           | Pass          |
| 11b         | 1   | 12  | 2467           | 19.80                               | 30.00                                | 22.67                  | 36.00                           | Pass          |
| 11b         | 1   | 13  | 2472           | 12.44                               | 30.00                                | 15.31                  | 36.00                           | Pass          |
| 11g         | 1   | 1   | 2412           | 25.52                               | 30.00                                | 28.39                  | 36.00                           | Pass          |
| 11g         | 1   | 6   | 2437           | 26.30                               | 30.00                                | 29.17                  | 36.00                           | Pass          |
| 11g         | 1   | 11  | 2462           | 25.84                               | 30.00                                | 28.71                  | 36.00                           | Pass          |
| 11g         | 1   | 12  | 2467           | 24.71                               | 30.00                                | 27.58                  | 36.00                           | Pass          |
| 11g         | 1   | 13  | 2472           | 13.09                               | 30.00                                | 15.96                  | 36.00                           | Pass          |
| HT20        | 1   | 1   | 2412           | 25.30                               | 30.00                                | 28.17                  | 36.00                           | Pass          |
| HT20        | 1   | 6   | 2437           | 26.21                               | 30.00                                | 29.08                  | 36.00                           | Pass          |
| HT20        | 1   | 11  | 2462           | 25.12                               | 30.00                                | 27.99                  | 36.00                           | Pass          |
| HT20        | 1   | 12  | 2467           | 24.48                               | 30.00                                | 27.35                  | 36.00                           | Pass          |
| HT20        | 1   | 13  | 2472           | 2.00                                | 30.00                                | 4.87                   | 36.00                           | Pass          |

**TEST RESULTS DATA**  
**Average Output Power**

| 2.4GHz Band |                 |     |                |                        |                                        |
|-------------|-----------------|-----|----------------|------------------------|----------------------------------------|
| Mod.        | N <sub>TX</sub> | CH. | Freq.<br>(MHz) | Duty<br>Factor<br>(dB) | Average<br>Conducted<br>Power<br>(dBm) |
|             |                 |     |                | Ant 1                  | Ant 1                                  |
| 11b         | 1               | 1   | 2412           | 0.04                   | 18.90                                  |
| 11b         | 1               | 6   | 2437           | 0.04                   | 18.87                                  |
| 11b         | 1               | 11  | 2462           | 0.04                   | 18.64                                  |
| 11b         | 1               | 12  | 2467           | 0.04                   | 17.16                                  |
| 11b         | 1               | 13  | 2472           | 0.04                   | 10.19                                  |
| 11g         | 1               | 1   | 2412           | 0.29                   | 16.14                                  |
| 11g         | 1               | 6   | 2437           | 0.29                   | 18.62                                  |
| 11g         | 1               | 11  | 2462           | 0.29                   | 16.42                                  |
| 11g         | 1               | 12  | 2467           | 0.29                   | 14.73                                  |
| 11g         | 1               | 13  | 2472           | 0.29                   | 2.29                                   |
| HT20        | 1               | 1   | 2412           | 0.31                   | 15.01                                  |
| HT20        | 1               | 6   | 2437           | 0.31                   | 18.51                                  |
| HT20        | 1               | 11  | 2462           | 0.31                   | 15.65                                  |
| HT20        | 1               | 12  | 2467           | 0.31                   | 14.09                                  |
| HT20        | 1               | 13  | 2472           | 0.31                   | -10.59                                 |

**TEST RESULTS DATA**  
**Peak Power Spectral Density**

| 2.4GHz Band |           |     |     |             |                     |          |                           |           |
|-------------|-----------|-----|-----|-------------|---------------------|----------|---------------------------|-----------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | Peak PSD (dBm/3kHz) | DG (dBi) | Peak PSD Limit (dBm/3kHz) | Pass/Fail |
|             |           |     |     |             | Ant 1               | Ant 1    | Ant 1                     |           |
| 11b         |           | 1   | 1   | 2412        | -2.63               | 2.87     | 8.00                      | Pass      |
| 11b         |           | 1   | 6   | 2437        | 0.72                | 2.87     | 8.00                      | Pass      |
| 11b         |           | 1   | 11  | 2462        | -1.48               | 2.87     | 8.00                      | Pass      |
| 11b         |           | 1   | 12  | 2467        | -3.52               | 2.87     | 8.00                      | Pass      |
| 11b         |           | 1   | 13  | 2472        | -10.73              | 2.87     | 8.00                      | Pass      |
| 11g         |           | 1   | 1   | 2412        | -8.90               | 2.87     | 8.00                      | Pass      |
| 11g         |           | 1   | 6   | 2437        | -3.63               | 2.87     | 8.00                      | Pass      |
| 11g         |           | 1   | 11  | 2462        | -8.42               | 2.87     | 8.00                      | Pass      |
| 11g         |           | 1   | 12  | 2467        | -9.63               | 2.87     | 8.00                      | Pass      |
| 11g         |           | 1   | 13  | 2472        | -26.27              | 2.87     | 8.00                      | Pass      |
| HT20        |           | 1   | 1   | 2412        | -8.15               | 2.87     | 8.00                      | Pass      |
| HT20        |           | 1   | 6   | 2437        | -4.77               | 2.87     | 8.00                      | Pass      |
| HT20        |           | 1   | 11  | 2462        | -8.22               | 2.87     | 8.00                      | Pass      |
| HT20        |           | 1   | 12  | 2467        | -10.35              | 2.87     | 8.00                      | Pass      |
| HT20        |           | 1   | 13  | 2472        | -33.77              | 2.87     | 8.00                      | Pass      |



## Appendix B. Radiated Spurious Emission

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

| WIFI Ant.                   | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|------|-----------|------------|------------|------------|------------|----------------|------------|---------------------|---------|-----------|-----------|---------|
| 1                           |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )     | ( dB )              | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11b<br>CH 01<br>2412MHz |      | 2386.23   | 58.73      | -15.27     | 74         | 56.35      | 27.09          | 6.57       | 31.28               | 150     | 47        | P         | H       |
|                             |      | 2383.71   | 53.1       | -0.9       | 54         | 50.8       | 27.04          | 6.57       | 31.31               | 150     | 47        | A         | H       |
|                             | *    | 2412      | 113.28     | -          | -          | 110.8      | 27.14          | 6.6        | 31.26               | 150     | 47        | P         | H       |
|                             | *    | 2412      | 110.06     | -          | -          | 107.58     | 27.14          | 6.6        | 31.26               | 150     | 47        | A         | H       |
|                             |      | 2386.75   | 53.89      | -20.11     | 74         | 51.51      | 27.09          | 6.57       | 31.28               | 378     | 104       | P         | V       |
|                             |      | 2386.86   | 46.89      | -7.11      | 54         | 44.51      | 27.09          | 6.57       | 31.28               | 378     | 104       | A         | V       |
|                             | *    | 2412      | 107.19     | -          | -          | 104.71     | 27.14          | 6.6        | 31.26               | 378     | 104       | P         | V       |
|                             | *    | 2412      | 104        | -          | -          | 101.52     | 27.14          | 6.6        | 31.26               | 378     | 104       | A         | V       |
| 802.11b<br>CH 06<br>2437MHz |      | 2388.4    | 55.17      | -18.83     | 74         | 52.76      | 27.09          | 6.6        | 31.28               | 143     | 44        | P         | H       |
|                             |      | 2384.62   | 47.74      | -6.26      | 54         | 45.44      | 27.04          | 6.57       | 31.31               | 143     | 44        | A         | H       |
|                             | *    | 2437      | 114.84     | -          | -          | 112.23     | 27.24          | 6.63       | 31.26               | 143     | 44        | P         | H       |
|                             | *    | 2437      | 110.48     | -          | -          | 107.87     | 27.24          | 6.63       | 31.26               | 143     | 44        | A         | H       |
|                             |      | 2488.38   | 52.48      | -21.52     | 74         | 49.57      | 27.4           | 6.73       | 31.22               | 143     | 44        | P         | H       |
|                             |      | 2484.88   | 44.36      | -9.64      | 54         | 41.53      | 27.35          | 6.7        | 31.22               | 143     | 44        | A         | H       |
|                             |      | 2384.48   | 52.26      | -21.74     | 74         | 49.96      | 27.04          | 6.57       | 31.31               | 378     | 104       | P         | V       |
|                             |      | 2384.48   | 43.53      | -10.47     | 54         | 41.23      | 27.04          | 6.57       | 31.31               | 378     | 104       | A         | V       |
|                             | *    | 2437      | 108.44     | -          | -          | 105.83     | 27.24          | 6.63       | 31.26               | 378     | 104       | P         | V       |
|                             | *    | 2437      | 105.18     | -          | -          | 102.57     | 27.24          | 6.63       | 31.26               | 378     | 104       | A         | V       |
|                             |      | 2484.39   | 50.82      | -23.18     | 74         | 47.99      | 27.35          | 6.7        | 31.22               | 378     | 104       | P         | V       |
|                             |      | 2484.67   | 41.74      | -12.26     | 54         | 38.91      | 27.35          | 6.7        | 31.22               | 378     | 104       | A         | V       |



|                                      |                                                                                             |         |        |       |    |        |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11b<br/>CH 11<br/>2462MHz</b> | *                                                                                           | 2462    | 111.88 | -     | -  | 109.15 | 27.3  | 6.67 | 31.24 | 166 | 44  | P | H |
|                                      | *                                                                                           | 2462    | 108.68 | -     | -  | 105.95 | 27.3  | 6.67 | 31.24 | 166 | 44  | A | H |
|                                      |                                                                                             | 2487.08 | 59     | -15   | 74 | 56.17  | 27.35 | 6.7  | 31.22 | 166 | 44  | P | H |
|                                      |                                                                                             | 2488.32 | 53.11  | -0.89 | 54 | 50.2   | 27.4  | 6.73 | 31.22 | 166 | 44  | A | H |
|                                      | *                                                                                           | 2462    | 108.66 | -     | -  | 105.93 | 27.3  | 6.67 | 31.24 | 378 | 104 | P | V |
|                                      |                                                                                             | 2462    | 105.47 | -     | -  | 102.74 | 27.3  | 6.67 | 31.24 | 378 | 104 | A | V |
|                                      |                                                                                             | 2487.36 | 56.2   | -17.8 | 74 | 53.37  | 27.35 | 6.7  | 31.22 | 378 | 104 | P | V |
|                                      |                                                                                             | 2488.2  | 50.28  | -3.72 | 54 | 47.37  | 27.4  | 6.73 | 31.22 | 378 | 104 | A | V |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |        |       |      |       |     |     |   |   |



| WIFI<br>Ant.<br>1           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11b<br>CH 12<br>2467MHz | *                                                                                           | 2467                 | 108.58              | -                       | -                           | 105.8                     | 27.3                          | 6.7                     | 31.22                      | 182                  | 57                      | P                       | H               |
|                             | *                                                                                           | 2467                 | 106.86              | -                       | -                           | 104.08                    | 27.3                          | 6.7                     | 31.22                      | 182                  | 57                      | A                       | H               |
|                             |                                                                                             | 2483.52              | 57.91               | -16.09                  | 74                          | 55.08                     | 27.35                         | 6.7                     | 31.22                      | 182                  | 57                      | P                       | H               |
|                             |                                                                                             | 2484.36              | 52.34               | -1.66                   | 54                          | 49.51                     | 27.35                         | 6.7                     | 31.22                      | 182                  | 57                      | A                       | H               |
|                             | *                                                                                           | 2467                 | 103.83              | -                       | -                           | 101.05                    | 27.3                          | 6.7                     | 31.22                      | 382                  | 96                      | P                       | V               |
|                             | *                                                                                           | 2467                 | 101.77              | -                       | -                           | 98.99                     | 27.3                          | 6.7                     | 31.22                      | 382                  | 96                      | A                       | V               |
|                             |                                                                                             | 2483.88              | 57.58               | -16.42                  | 74                          | 54.75                     | 27.35                         | 6.7                     | 31.22                      | 382                  | 96                      | P                       | V               |
|                             |                                                                                             | 2484.32              | 51.86               | -2.14                   | 54                          | 49.03                     | 27.35                         | 6.7                     | 31.22                      | 382                  | 96                      | A                       | V               |
| 802.11b<br>CH 13<br>2472MHz | *                                                                                           | 2472                 | 103.12              | -                       | -                           | 100.29                    | 27.35                         | 6.7                     | 31.22                      | 185                  | 49                      | P                       | H               |
|                             | *                                                                                           | 2472                 | 101.12              | -                       | -                           | 98.29                     | 27.35                         | 6.7                     | 31.22                      | 185                  | 49                      | A                       | H               |
|                             |                                                                                             | 2483.52              | 57.03               | -16.97                  | 74                          | 54.2                      | 27.35                         | 6.7                     | 31.22                      | 185                  | 49                      | P                       | H               |
|                             |                                                                                             | 2483.52              | 52.99               | -1.01                   | 54                          | 50.16                     | 27.35                         | 6.7                     | 31.22                      | 185                  | 49                      | A                       | H               |
|                             | *                                                                                           | 2472                 | 97.17               | -                       | -                           | 94.34                     | 27.35                         | 6.7                     | 31.22                      | 339                  | 90                      | P                       | V               |
|                             | *                                                                                           | 2472                 | 94.82               | -                       | -                           | 91.99                     | 27.35                         | 6.7                     | 31.22                      | 339                  | 90                      | A                       | V               |
|                             |                                                                                             | 2483.6               | 55.43               | -18.57                  | 74                          | 52.6                      | 27.35                         | 6.7                     | 31.22                      | 339                  | 90                      | P                       | V               |
|                             |                                                                                             | 2483.52              | 50.84               | -3.16                   | 54                          | 48.01                     | 27.35                         | 6.7                     | 31.22                      | 339                  | 90                      | A                       | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Harmonic @ 3m)

| WIFI<br>Ant.<br>1 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11b           |                                                                                             | 4824                 | 39.48               | -34.52                  | 74                          | 56.6                      | 31.42                         | 9.65                    | 58.19                      | 185                  | 255                     | P                     | H             |
| CH 01<br>2412MHz  |                                                                                             | 4824                 | 39.38               | -34.62                  | 74                          | 56.5                      | 31.42                         | 9.65                    | 58.19                      | 185                  | 255                     | P                     | V             |
| 802.11b           |                                                                                             | 4874                 | 41.58               | -32.42                  | 74                          | 58.46                     | 31.51                         | 9.71                    | 58.1                       | 165                  | 106                     | P                     | H             |
| CH 06             |                                                                                             | 7311                 | 47.69               | -26.31                  | 74                          | 57.24                     | 36.36                         | 12.01                   | 57.92                      | 174                  | 100                     | P                     | H             |
| 2437MHz           |                                                                                             | 4874                 | 41.72               | -32.28                  | 74                          | 58.6                      | 31.51                         | 9.71                    | 58.1                       | 165                  | 106                     | P                     | V             |
|                   |                                                                                             | 7311                 | 56.6                | -17.4                   | 74                          | 66.15                     | 36.36                         | 12.01                   | 57.92                      | 113                  | 342                     | P                     | V             |
|                   |                                                                                             | 7311                 | 51.04               | -2.96                   | 54                          | 60.59                     | 36.36                         | 12.01                   | 57.92                      | 113                  | 342                     | A                     | V             |
| 802.11b           |                                                                                             | 4924                 | 41.15               | -32.85                  | 74                          | 57.81                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                     | H             |
| CH 11             |                                                                                             | 7386                 | 47.24               | -26.76                  | 74                          | 56.16                     | 36.65                         | 12.08                   | 57.65                      | 155                  | 274                     | P                     | H             |
| 2462MHz           |                                                                                             | 4924                 | 43.56               | -30.44                  | 74                          | 60.22                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                     | V             |
|                   |                                                                                             | 7386                 | 55.83               | -18.17                  | 74                          | 64.75                     | 36.65                         | 12.08                   | 57.65                      | 113                  | 339                     | P                     | V             |
|                   |                                                                                             | 7386                 | 50.26               | -3.74                   | 54                          | 59.18                     | 36.65                         | 12.08                   | 57.65                      | 113                  | 339                     | A                     | V             |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       |               |



| WIFI<br>Ant.<br>1           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11b<br>CH 12<br>2467MHz |                                                                                             | 4934                 | 39.6                | -34.4                   | 74                          | 56.26                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | H               |
|                             |                                                                                             | 7401                 | 46.42               | -27.58                  | 74                          | 55.21                     | 36.71                         | 12.1                    | 57.6                       | 155                  | 274                     | P                       | H               |
|                             |                                                                                             | 4934                 | 39.85               | -34.15                  | 74                          | 56.51                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | V               |
|                             |                                                                                             | 7401                 | 46.78               | -27.22                  | 74                          | 55.57                     | 36.71                         | 12.1                    | 57.6                       | 155                  | 274                     | P                       | V               |
| 802.11b<br>CH 13<br>2472MHz |                                                                                             | 4944                 | 38.64               | -35.36                  | 74                          | 55.2                      | 31.62                         | 9.81                    | 57.99                      | 150                  | 285                     | P                       | H               |
|                             |                                                                                             | 7416                 | 47.11               | -26.89                  | 74                          | 55.87                     | 36.71                         | 12.13                   | 57.6                       | 155                  | 274                     | P                       | H               |
|                             |                                                                                             | 4944                 | 38.76               | -35.24                  | 74                          | 55.32                     | 31.62                         | 9.81                    | 57.99                      | 150                  | 285                     | P                       | V               |
|                             |                                                                                             | 7416                 | 46.46               | -27.54                  | 74                          | 55.22                     | 36.71                         | 12.13                   | 57.6                       | 155                  | 274                     | P                       | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11g (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1           | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11g<br>CH 01<br>2412MHz |      | 2389.59              | 64.52               | -9.48                   | 74                          | 62.11                     | 27.09                         | 6.6                     | 31.28                      | 194                  | 48                      | P                       | H               |
|                             |      | 2389.91              | 52.4                | -1.6                    | 54                          | 49.99                     | 27.09                         | 6.6                     | 31.28                      | 194                  | 48                      | A                       | H               |
|                             | *    | 2412                 | 108.01              | -                       | -                           | 105.53                    | 27.14                         | 6.6                     | 31.26                      | 194                  | 48                      | P                       | H               |
|                             | *    | 2412                 | 101.25              | -                       | -                           | 98.77                     | 27.14                         | 6.6                     | 31.26                      | 194                  | 48                      | A                       | H               |
|                             |      | 2389.49              | 58.3                | -15.7                   | 74                          | 55.89                     | 27.09                         | 6.6                     | 31.28                      | 400                  | 99                      | P                       | V               |
|                             |      | 2389.8               | 48.29               | -5.71                   | 54                          | 45.88                     | 27.09                         | 6.6                     | 31.28                      | 400                  | 99                      | A                       | V               |
|                             | *    | 2412                 | 104.66              | -                       | -                           | 102.18                    | 27.14                         | 6.6                     | 31.26                      | 400                  | 99                      | P                       | V               |
|                             | *    | 2412                 | 97.69               | -                       | -                           | 95.21                     | 27.14                         | 6.6                     | 31.26                      | 400                  | 99                      | A                       | V               |
| 802.11g<br>CH 06<br>2437MHz |      | 2378.74              | 69.93               | -4.07                   | 74                          | 67.63                     | 27.04                         | 6.57                    | 31.31                      | 215                  | 49                      | P                       | H               |
|                             |      | 2389.1               | 51.35               | -2.65                   | 54                          | 48.94                     | 27.09                         | 6.6                     | 31.28                      | 215                  | 49                      | A                       | H               |
|                             | *    | 2437                 | 113.48              | -                       | -                           | 110.87                    | 27.24                         | 6.63                    | 31.26                      | 215                  | 49                      | P                       | H               |
|                             | *    | 2437                 | 105.72              | -                       | -                           | 103.11                    | 27.24                         | 6.63                    | 31.26                      | 215                  | 49                      | A                       | H               |
|                             |      | 2485.02              | 64.79               | -9.21                   | 74                          | 61.96                     | 27.35                         | 6.7                     | 31.22                      | 215                  | 49                      | P                       | H               |
|                             |      | 2483.76              | 45.92               | -8.08                   | 54                          | 43.09                     | 27.35                         | 6.7                     | 31.22                      | 215                  | 49                      | A                       | H               |
|                             |      | 2389.8               | 66.02               | -7.98                   | 74                          | 63.61                     | 27.09                         | 6.6                     | 31.28                      | 342                  | 99                      | P                       | V               |
|                             |      | 2384.34              | 45.37               | -8.63                   | 54                          | 43.07                     | 27.04                         | 6.57                    | 31.31                      | 342                  | 99                      | A                       | V               |
|                             | *    | 2437                 | 111.02              | -                       | -                           | 108.41                    | 27.24                         | 6.63                    | 31.26                      | 342                  | 99                      | P                       | V               |
|                             | *    | 2437                 | 103.18              | -                       | -                           | 100.57                    | 27.24                         | 6.63                    | 31.26                      | 342                  | 99                      | A                       | V               |
|                             |      | 2486.49              | 60.35               | -13.65                  | 74                          | 57.52                     | 27.35                         | 6.7                     | 31.22                      | 342                  | 99                      | P                       | V               |
|                             |      | 2484.53              | 41.71               | -12.29                  | 54                          | 38.88                     | 27.35                         | 6.7                     | 31.22                      | 342                  | 99                      | A                       | V               |



|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11g<br/>CH 11<br/>2462MHz</b> | *                                                                                           | 2462    | 107.87 | -      | -  | 105.14 | 27.3  | 6.67 | 31.24 | 157 | 68  | P | H |
|                                      | *                                                                                           | 2462    | 100.78 | -      | -  | 98.05  | 27.3  | 6.67 | 31.24 | 157 | 68  | A | H |
|                                      |                                                                                             | 2483.64 | 68.11  | -5.89  | 74 | 65.28  | 27.35 | 6.7  | 31.22 | 157 | 68  | P | H |
|                                      |                                                                                             | 2483.56 | 52.92  | -1.08  | 54 | 50.09  | 27.35 | 6.7  | 31.22 | 157 | 68  | A | H |
|                                      | *                                                                                           | 2462    | 97.59  | -      | -  | 94.86  | 27.3  | 6.67 | 31.24 | 374 | 292 | P | V |
|                                      | *                                                                                           | 2462    | 90.7   | -      | -  | 87.97  | 27.3  | 6.67 | 31.24 | 374 | 292 | A | V |
|                                      |                                                                                             | 2483.72 | 58.54  | -15.46 | 74 | 55.71  | 27.35 | 6.7  | 31.22 | 374 | 292 | P | V |
|                                      |                                                                                             | 2483.64 | 43.47  | -10.53 | 54 | 40.64  | 27.35 | 6.7  | 31.22 | 374 | 292 | A | V |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



| WIFI<br>Ant.<br>1           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11g<br>CH 12<br>2467MHz | *                                                                                           | 2467                 | 104.96              | -                       | -                           | 102.18                    | 27.3                          | 6.7                     | 31.22                      | 185                  | 46                      | P                       | H               |
|                             | *                                                                                           | 2467                 | 98.72               | -                       | -                           | 95.94                     | 27.3                          | 6.7                     | 31.22                      | 185                  | 46                      | A                       | H               |
|                             |                                                                                             | 2484                 | 72.31               | -1.69                   | 74                          | 69.48                     | 27.35                         | 6.7                     | 31.22                      | 185                  | 46                      | P                       | H               |
|                             |                                                                                             | 2483.52              | 53.2                | -0.8                    | 54                          | 50.37                     | 27.35                         | 6.7                     | 31.22                      | 185                  | 46                      | A                       | H               |
|                             | *                                                                                           | 2467                 | 99.92               | -                       | -                           | 97.14                     | 27.3                          | 6.7                     | 31.22                      | 261                  | 246                     | P                       | V               |
|                             | *                                                                                           | 2467                 | 93.01               | -                       | -                           | 90.23                     | 27.3                          | 6.7                     | 31.22                      | 261                  | 246                     | A                       | V               |
|                             |                                                                                             | 2483.84              | 65.2                | -8.8                    | 74                          | 62.37                     | 27.35                         | 6.7                     | 31.22                      | 261                  | 246                     | P                       | V               |
|                             |                                                                                             | 2483.56              | 49.59               | -4.41                   | 54                          | 46.76                     | 27.35                         | 6.7                     | 31.22                      | 261                  | 246                     | A                       | V               |
| 802.11g<br>CH 13<br>2472MHz | *                                                                                           | 2472                 | 91.95               | -                       | -                           | 89.12                     | 27.35                         | 6.7                     | 31.22                      | 185                  | 48                      | P                       | H               |
|                             | *                                                                                           | 2472                 | 85.06               | -                       | -                           | 82.23                     | 27.35                         | 6.7                     | 31.22                      | 185                  | 48                      | A                       | H               |
|                             |                                                                                             | 2483.56              | 69.13               | -4.87                   | 74                          | 66.3                      | 27.35                         | 6.7                     | 31.22                      | 185                  | 48                      | P                       | H               |
|                             |                                                                                             | 2483.56              | 52.73               | -1.27                   | 54                          | 49.9                      | 27.35                         | 6.7                     | 31.22                      | 185                  | 48                      | A                       | H               |
|                             | *                                                                                           | 2472                 | 93.21               | -                       | -                           | 90.38                     | 27.35                         | 6.7                     | 31.22                      | 337                  | 54                      | P                       | V               |
|                             | *                                                                                           | 2472                 | 85.98               | -                       | -                           | 83.15                     | 27.35                         | 6.7                     | 31.22                      | 337                  | 54                      | A                       | V               |
|                             |                                                                                             | 2483.56              | 65.95               | -8.05                   | 74                          | 63.12                     | 27.35                         | 6.7                     | 31.22                      | 337                  | 54                      | P                       | V               |
|                             |                                                                                             | 2483.52              | 52.46               | -1.54                   | 54                          | 49.63                     | 27.35                         | 6.7                     | 31.22                      | 337                  | 54                      | A                       | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11g (Harmonic @ 3m)

| WIFI<br>Ant.<br>1           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11g<br>CH 01<br>2412MHz |                                                                                             | 4824                 | 39.64               | -34.36                  | 74                          | 56.76                     | 31.42                         | 9.65                    | 58.19                      | 185                  | 255                     | P                     | H             |
|                             |                                                                                             | 4824                 | 39.27               | -34.73                  | 74                          | 56.39                     | 31.42                         | 9.65                    | 58.19                      | 185                  | 255                     | P                     | V             |
| 802.11g<br>CH 06<br>2437MHz |                                                                                             | 4874                 | 39.96               | -34.04                  | 74                          | 56.84                     | 31.51                         | 9.71                    | 58.1                       | 165                  | 106                     | P                     | H             |
|                             |                                                                                             | 7311                 | 47.72               | -26.28                  | 74                          | 57.27                     | 36.36                         | 12.01                   | 57.92                      | 174                  | 100                     | P                     | H             |
|                             |                                                                                             | 4874                 | 41.63               | -32.37                  | 74                          | 58.51                     | 31.51                         | 9.71                    | 58.1                       | 165                  | 106                     | P                     | V             |
|                             |                                                                                             | 7311                 | 57.54               | -16.46                  | 74                          | 67.09                     | 36.36                         | 12.01                   | 57.92                      | 174                  | 100                     | P                     | V             |
|                             |                                                                                             | 7311                 | 46.5                | -7.5                    | 54                          | 56.05                     | 36.36                         | 12.01                   | 57.92                      | 174                  | 100                     | A                     | V             |
| 802.11g<br>CH 11<br>2462MHz |                                                                                             | 4924                 | 41.93               | -32.07                  | 74                          | 58.59                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                     | H             |
|                             |                                                                                             | 7386                 | 47.86               | -26.14                  | 74                          | 56.78                     | 36.65                         | 12.08                   | 57.65                      | 155                  | 274                     | P                     | H             |
|                             |                                                                                             | 4924                 | 42.14               | -31.86                  | 74                          | 58.8                      | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                     | V             |
|                             |                                                                                             | 7386                 | 54.49               | -19.51                  | 74                          | 63.41                     | 36.65                         | 12.08                   | 57.65                      | 155                  | 274                     | P                     | V             |
|                             |                                                                                             | 7386                 | 43.66               | -10.34                  | 54                          | 52.58                     | 36.65                         | 12.08                   | 57.65                      | 155                  | 274                     | A                     | V             |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       |               |



| WIFI<br>Ant.<br>1           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11g<br>CH 12<br>2467MHz |                                                                                             | 4934                 | 41                  | -33                     | 74                          | 57.66                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | H               |
|                             |                                                                                             | 7401                 | 46.71               | -27.29                  | 74                          | 55.5                      | 36.71                         | 12.1                    | 57.6                       | 155                  | 274                     | P                       | H               |
|                             |                                                                                             | 4934                 | 41                  | -33                     | 74                          | 57.66                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | V               |
|                             |                                                                                             | 7401                 | 46.91               | -27.09                  | 74                          | 55.7                      | 36.71                         | 12.1                    | 57.6                       | 155                  | 274                     | P                       | V               |
| 802.11g<br>CH 13<br>2472MHz |                                                                                             | 4944                 | 40.44               | -33.56                  | 74                          | 57                        | 31.62                         | 9.81                    | 57.99                      | 150                  | 285                     | P                       | H               |
|                             |                                                                                             | 7416                 | 46.03               | -27.97                  | 74                          | 54.79                     | 36.71                         | 12.13                   | 57.6                       | 155                  | 274                     | P                       | H               |
|                             |                                                                                             | 4944                 | 41.14               | -32.86                  | 74                          | 57.7                      | 31.62                         | 9.81                    | 57.99                      | 150                  | 285                     | P                       | V               |
|                             |                                                                                             | 7416                 | 45.48               | -28.52                  | 74                          | 54.24                     | 36.71                         | 12.13                   | 57.6                       | 155                  | 274                     | P                       | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |      | 2390                 | 62.61               | -11.39                  | 74                          | 60.2                      | 27.09                         | 6.6                     | 31.28                      | 197                  | 46                      | P                       | H               |
|                                     |      | 2389.91              | 52.05               | -1.95                   | 54                          | 49.64                     | 27.09                         | 6.6                     | 31.28                      | 197                  | 46                      | A                       | H               |
|                                     | *    | 2412                 | 107.44              | -                       | -                           | 104.96                    | 27.14                         | 6.6                     | 31.26                      | 197                  | 46                      | P                       | H               |
|                                     | *    | 2412                 | 100.23              | -                       | -                           | 97.75                     | 27.14                         | 6.6                     | 31.26                      | 197                  | 46                      | A                       | H               |
|                                     |      | 2389.8               | 54.47               | -19.53                  | 74                          | 52.06                     | 27.09                         | 6.6                     | 31.28                      | 241                  | 246                     | P                       | V               |
|                                     |      | 2389.91              | 46.5                | -7.5                    | 54                          | 44.09                     | 27.09                         | 6.6                     | 31.28                      | 241                  | 246                     | A                       | V               |
|                                     |      | 2412                 | 103.82              | 29.82                   | 74                          | 101.34                    | 27.14                         | 6.6                     | 31.26                      | 241                  | 246                     | P                       | V               |
|                                     | *    | 2412                 | 96.81               | -                       | -                           | 94.33                     | 27.14                         | 6.6                     | 31.26                      | 241                  | 246                     | A                       | V               |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |      | 2381.26              | 70.93               | -3.07                   | 74                          | 68.63                     | 27.04                         | 6.57                    | 31.31                      | 215                  | 48                      | P                       | H               |
|                                     |      | 2383.92              | 53.4                | -0.6                    | 54                          | 51.1                      | 27.04                         | 6.57                    | 31.31                      | 215                  | 48                      | A                       | H               |
|                                     | *    | 2437                 | 112.27              | -                       | -                           | 109.66                    | 27.24                         | 6.63                    | 31.26                      | 215                  | 48                      | P                       | H               |
|                                     | *    | 2437                 | 105.2               | -                       | -                           | 102.59                    | 27.24                         | 6.63                    | 31.26                      | 215                  | 48                      | A                       | H               |
|                                     |      | 2488.94              | 64.55               | -9.45                   | 74                          | 61.64                     | 27.4                          | 6.73                    | 31.22                      | 215                  | 48                      | P                       | H               |
|                                     |      | 2491.81              | 45.44               | -8.56                   | 54                          | 42.51                     | 27.4                          | 6.73                    | 31.2                       | 215                  | 48                      | A                       | H               |
|                                     |      | 2389.24              | 58.85               | -15.15                  | 74                          | 56.44                     | 27.09                         | 6.6                     | 31.28                      | 160                  | 262                     | P                       | V               |
|                                     |      | 2381.12              | 42.39               | -11.61                  | 54                          | 40.09                     | 27.04                         | 6.57                    | 31.31                      | 160                  | 262                     | A                       | V               |
|                                     | *    | 2437                 | 102.33              | -                       | -                           | 99.72                     | 27.24                         | 6.63                    | 31.26                      | 160                  | 262                     | P                       | V               |
|                                     | *    | 2437                 | 95.54               | -                       | -                           | 92.93                     | 27.24                         | 6.63                    | 31.26                      | 160                  | 262                     | A                       | V               |
|                                     |      | 2483.83              | 55.47               | -18.53                  | 74                          | 52.64                     | 27.35                         | 6.7                     | 31.22                      | 160                  | 262                     | P                       | V               |
|                                     |      | 2486.49              | 38.89               | -15.11                  | 54                          | 36.06                     | 27.35                         | 6.7                     | 31.22                      | 160                  | 262                     | A                       | V               |



|                                                                 |                                                                                             |         |       |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|-------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 11</b><br><b>2462MHz</b> | *                                                                                           | 2462    | 107.5 | -      | -  | 104.77 | 27.3  | 6.67 | 31.24 | 180 | 69  | P | H |
|                                                                 | *                                                                                           | 2462    | 99.94 | -      | -  | 97.21  | 27.3  | 6.67 | 31.24 | 180 | 69  | A | H |
|                                                                 |                                                                                             | 2488.84 | 65.07 | -8.93  | 74 | 62.16  | 27.4  | 6.73 | 31.22 | 180 | 69  | P | H |
|                                                                 |                                                                                             | 2483.52 | 53.01 | -0.99  | 54 | 50.18  | 27.35 | 6.7  | 31.22 | 180 | 69  | A | H |
|                                                                 | *                                                                                           | 2462    | 95.98 | -      | -  | 93.25  | 27.3  | 6.67 | 31.24 | 178 | 264 | P | V |
|                                                                 | *                                                                                           | 2462    | 89.62 | -      | -  | 86.89  | 27.3  | 6.67 | 31.24 | 178 | 264 | A | V |
|                                                                 |                                                                                             | 2483.88 | 56.86 | -17.14 | 74 | 54.03  | 27.35 | 6.7  | 31.22 | 178 | 264 | P | V |
|                                                                 |                                                                                             | 2483.68 | 43.43 | -10.57 | 54 | 40.6   | 27.35 | 6.7  | 31.22 | 178 | 264 | A | V |
| <b>Remark</b>                                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |       |        |    |        |       |      |       |     |     |   |   |



| WIFI<br>Ant.<br>1                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 12<br>2467MHz | *                                                                                           | 2467                 | 105.91              | -                       | -                           | 103.13                    | 27.3                          | 6.7                     | 31.22                      | 183                  | 51                      | P                       | H               |
|                                     | *                                                                                           | 2467                 | 98.4                | -                       | -                           | 95.62                     | 27.3                          | 6.7                     | 31.22                      | 183                  | 51                      | A                       | H               |
|                                     |                                                                                             | 2483.52              | 67.58               | -6.42                   | 74                          | 64.75                     | 27.35                         | 6.7                     | 31.22                      | 183                  | 51                      | P                       | H               |
|                                     |                                                                                             | 2483.76              | 52.65               | -1.35                   | 54                          | 49.82                     | 27.35                         | 6.7                     | 31.22                      | 183                  | 51                      | A                       | H               |
|                                     | *                                                                                           | 2467                 | 94.72               | -                       | -                           | 91.94                     | 27.3                          | 6.7                     | 31.22                      | 172                  | 262                     | P                       | V               |
|                                     | *                                                                                           | 2467                 | 88.07               | -                       | -                           | 85.29                     | 27.3                          | 6.7                     | 31.22                      | 172                  | 262                     | A                       | V               |
|                                     |                                                                                             | 2484.24              | 55.29               | -18.71                  | 74                          | 52.46                     | 27.35                         | 6.7                     | 31.22                      | 172                  | 262                     | P                       | V               |
|                                     |                                                                                             | 2483.56              | 43.36               | -10.64                  | 54                          | 40.53                     | 27.35                         | 6.7                     | 31.22                      | 172                  | 262                     | A                       | V               |
| 802.11n<br>HT20<br>CH 13<br>2472MHz | *                                                                                           | 2472                 | 81.71               | -                       | -                           | 78.88                     | 27.35                         | 6.7                     | 31.22                      | 188                  | 48                      | P                       | H               |
|                                     | *                                                                                           | 2472                 | 74.74               | -                       | -                           | 71.91                     | 27.35                         | 6.7                     | 31.22                      | 188                  | 48                      | A                       | H               |
|                                     |                                                                                             | 2483.6               | 57.55               | -16.45                  | 74                          | 54.72                     | 27.35                         | 6.7                     | 31.22                      | 188                  | 48                      | P                       | H               |
|                                     |                                                                                             | 2483.52              | 44.68               | -9.32                   | 54                          | 41.85                     | 27.35                         | 6.7                     | 31.22                      | 188                  | 48                      | A                       | H               |
|                                     |                                                                                             | 2472                 | 69.9                | -                       | -                           | 67.07                     | 27.35                         | 6.7                     | 31.22                      | 177                  | 256                     | P                       | V               |
|                                     | *                                                                                           | 2472                 | 63.18               | -                       | -                           | 60.35                     | 27.35                         | 6.7                     | 31.22                      | 177                  | 256                     | A                       | V               |
|                                     |                                                                                             | 2484.16              | 50.72               | -23.28                  | 74                          | 47.89                     | 27.35                         | 6.7                     | 31.22                      | 177                  | 256                     | P                       | V               |
|                                     |                                                                                             | 2483.52              | 38.69               | -15.31                  | 54                          | 35.86                     | 27.35                         | 6.7                     | 31.22                      | 177                  | 256                     | A                       | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |                                                                                             | 4824                 | 39.94               | -34.06                  | 74                          | 57.06                     | 31.42                         | 9.65                    | 58.19                      | 185                  | 255                     | P                       | H               |
|                                     |                                                                                             | 4824                 | 40.26               | -33.74                  | 74                          | 57.38                     | 31.42                         | 9.65                    | 58.19                      | 185                  | 255                     | P                       | V               |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |                                                                                             | 4874                 | 39.43               | -34.57                  | 74                          | 56.31                     | 31.51                         | 9.71                    | 58.1                       | 165                  | 106                     | P                       | H               |
|                                     |                                                                                             | 7311                 | 47.06               | -26.94                  | 74                          | 56.61                     | 36.36                         | 12.01                   | 57.92                      | 174                  | 100                     | P                       | H               |
|                                     |                                                                                             | 4874                 | 41.2                | -32.8                   | 74                          | 58.08                     | 31.51                         | 9.71                    | 58.1                       | 165                  | 106                     | P                       | V               |
|                                     |                                                                                             | 7311                 | 56.23               | -17.77                  | 74                          | 65.78                     | 36.36                         | 12.01                   | 57.92                      | 174                  | 100                     | P                       | V               |
|                                     |                                                                                             | 7311                 | 45.49               | -8.51                   | 54                          | 55.04                     | 36.36                         | 12.01                   | 57.92                      | 174                  | 100                     | A                       | V               |
| 802.11n<br>HT20<br>CH 11<br>2462MHz |                                                                                             | 4924                 | 39.96               | -34.04                  | 74                          | 56.62                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | H               |
|                                     |                                                                                             | 7386                 | 45.56               | -28.44                  | 74                          | 54.48                     | 36.65                         | 12.08                   | 57.65                      | 155                  | 274                     | P                       | H               |
|                                     |                                                                                             | 4924                 | 40.75               | -33.25                  | 74                          | 57.41                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | V               |
|                                     |                                                                                             | 7386                 | 47.21               | -26.79                  | 74                          | 56.13                     | 36.65                         | 12.08                   | 57.65                      | 155                  | 274                     | P                       | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



| WIFI<br>Ant.<br>1 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n           |                                                                                             | 4934                 | 40.37               | -33.63                  | 74                          | 57.03                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | H               |
| HT20              |                                                                                             | 7401                 | 47.2                | -26.8                   | 74                          | 55.99                     | 36.71                         | 12.1                    | 57.6                       | 155                  | 274                     | P                       | H               |
| CH 12             |                                                                                             | 4934                 | 41.09               | -32.91                  | 74                          | 57.75                     | 31.59                         | 9.77                    | 58.02                      | 150                  | 285                     | P                       | V               |
| 2467MHz           |                                                                                             | 7401                 | 47.03               | -26.97                  | 74                          | 55.82                     | 36.71                         | 12.1                    | 57.6                       | 155                  | 274                     | P                       | V               |
| 802.11n           |                                                                                             | 4944                 | 40.76               | -33.24                  | 74                          | 57.32                     | 31.62                         | 9.81                    | 57.99                      | 150                  | 285                     | P                       | H               |
| HT20              |                                                                                             | 7416                 | 46.85               | -27.15                  | 74                          | 55.61                     | 36.71                         | 12.13                   | 57.6                       | 155                  | 274                     | P                       | H               |
| CH 13             |                                                                                             | 4944                 | 41.24               | -32.76                  | 74                          | 57.8                      | 31.62                         | 9.81                    | 57.99                      | 150                  | 285                     | P                       | V               |
| 2472MHz           |                                                                                             | 7416                 | 46.62               | -27.38                  | 74                          | 55.38                     | 36.71                         | 12.13                   | 57.6                       | 155                  | 274                     | P                       | V               |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

## Emission below 1GHz

## 2.4GHz WIFI 802.11n HT20 (LF)

| WIFI Ant.                       | Note                                                                       | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------|----------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|------------|---------------|---------|-----------|-----------|-------|
| 1                               |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )     | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 2.4GHz<br>802.11n<br>HT20<br>LF |                                                                            | 30        | 21.5       | -18.5      | 40         | 29.24      | 24.3           | 0.56       | 32.6          | 124     | 140       | P         | H     |
|                                 |                                                                            | 140.58    | 15.78      | -27.72     | 43.5       | 29.4       | 17.33          | 1.23       | 32.18         | -       | -         | P         | H     |
|                                 |                                                                            | 259.89    | 18.58      | -27.42     | 46         | 28.97      | 20             | 1.69       | 32.08         | -       | -         | P         | H     |
|                                 |                                                                            | 490.75    | 22.66      | -23.34     | 46         | 28.38      | 23.33          | 2.37       | 31.42         | -       | -         | P         | H     |
|                                 |                                                                            | 725.49    | 25.67      | -20.33     | 46         | 29.07      | 25.38          | 2.92       | 31.7          | -       | -         | P         | H     |
|                                 |                                                                            | 988.36    | 27.55      | -26.45     | 54         | 28.19      | 27.23          | 3.46       | 31.33         | -       | -         | P         | H     |
|                                 |                                                                            | 30.97     | 21.71      | -18.29     | 40         | 30.03      | 23.71          | 0.57       | 32.6          | -       | -         | P         | V     |
|                                 |                                                                            | 55.22     | 27.32      | -12.68     | 40         | 45.96      | 13.1           | 0.76       | 32.5          | 100     | 222       | P         | V     |
|                                 |                                                                            | 117.3     | 15.77      | -27.73     | 43.5       | 28.95      | 17.83          | 1.12       | 32.13         | -       | -         | P         | V     |
|                                 |                                                                            | 579.02    | 23.79      | -22.21     | 46         | 28.29      | 24.44          | 2.62       | 31.56         | -       | -         | P         | V     |
|                                 |                                                                            | 806       | 26.17      | -19.83     | 46         | 28.49      | 26.23          | 3.11       | 31.66         | -       | -         | P         | V     |
|                                 |                                                                            | 995.15    | 27.41      | -26.59     | 54         | 28.03      | 27.27          | 3.47       | 31.36         | -       | -         | P         | V     |
| Remark                          | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |            |            |            |                |            |               |         |           |           |       |

**Note symbol**

|     |                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| *   | <b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| !   | Test result is <b>over limit</b> line.                                                                                                                   |
| P/A | <b>P</b> eak or <b>A</b> verage                                                                                                                          |
| H/V | <b>H</b> orizontal or <b>V</b> ertical                                                                                                                   |



A calculation example for radiated spurious emission is shown as below:

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1       |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

**Both peak and average measured complies with the limit line, so test result is “PASS”.**



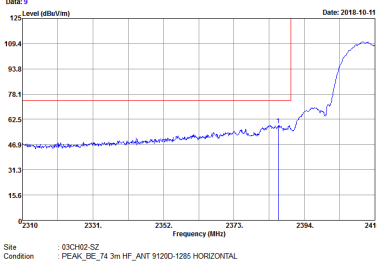
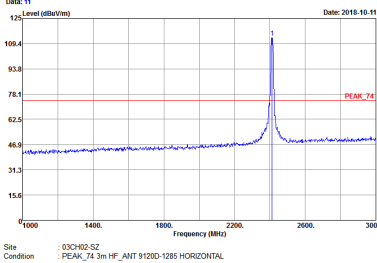
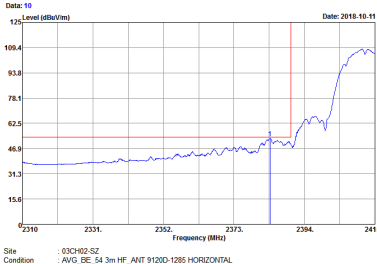
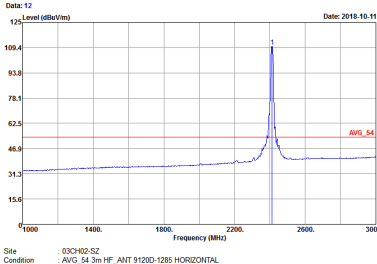
## **Appendix C. Radiated Spurious Emission Plots**

### **Note symbol**

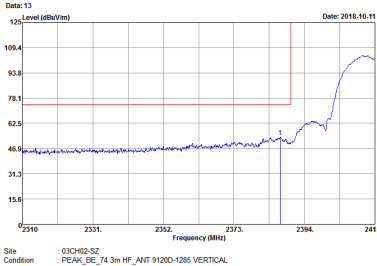
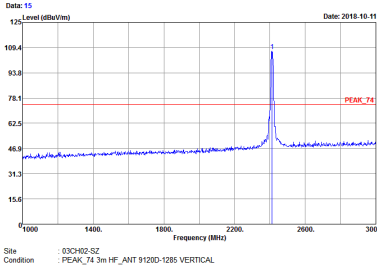
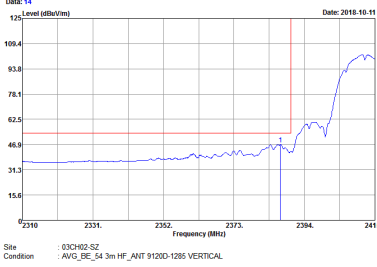
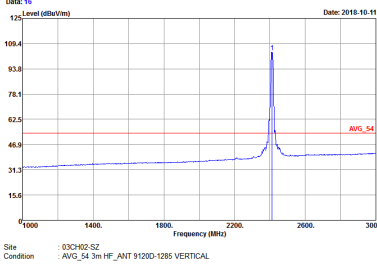
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Band Edge @ 3m)

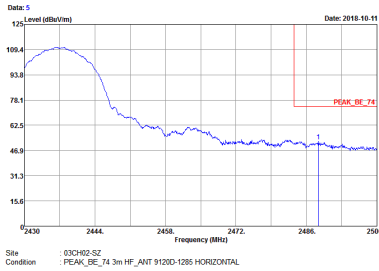
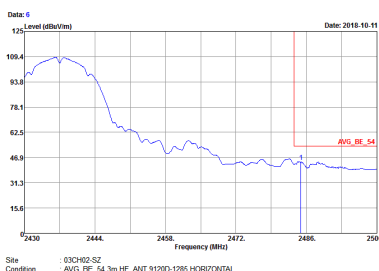
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                  |                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH01 2412MHz                                                                                                                                                  |                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                            | Fundamental                                                                                                                                                         |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH01 2412MHz                                                                                                                                                |                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                       |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL</p> |



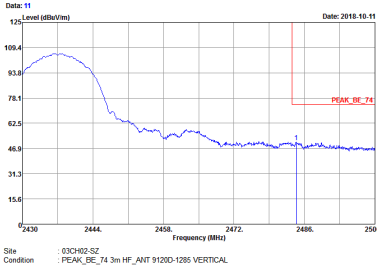
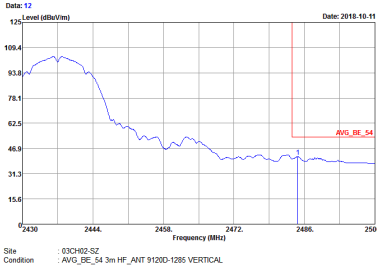
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m |             |
|------|--------------------------------------|-------------|
| ANT  | 802.11b CH06 2437MHz - L             |             |
| 1    | Horizontal                           | Fundamental |
| Peak |                                      |             |
| Avg. |                                      |             |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                  |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11b CH06 2437MHz - R                                                                                                                                              |             |
| 1    | Horizontal                                                                                                                                                            | Fundamental |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL</p>  |             |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL</p> |             |

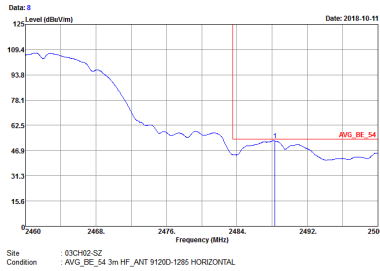
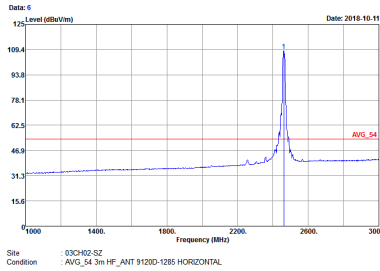
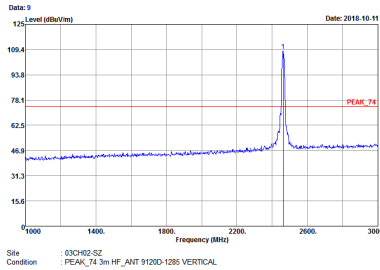
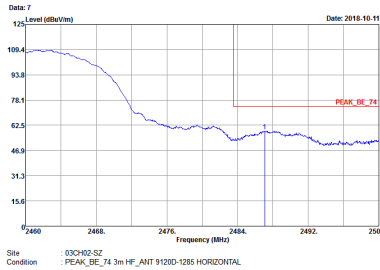


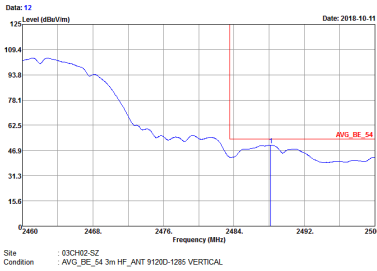
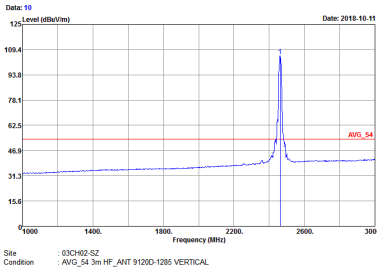
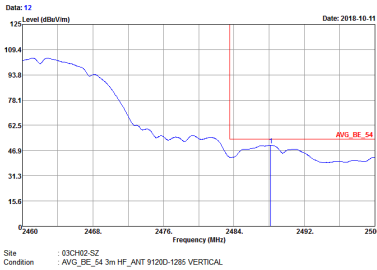
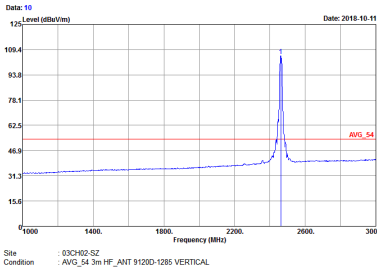
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m |             |
|------|--------------------------------------|-------------|
| ANT  | 802.11b CH06 2437MHz - L             |             |
| 1    | Vertical                             | Fundamental |
| Peak |                                      |             |
| Avg. |                                      |             |



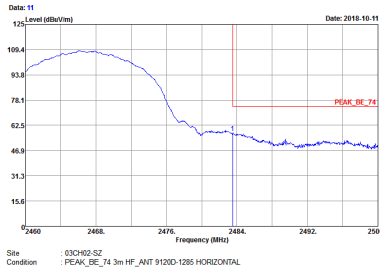
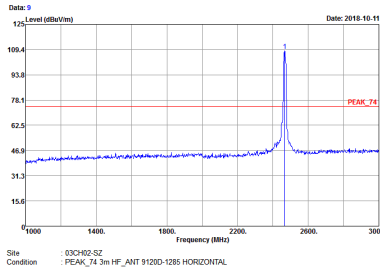
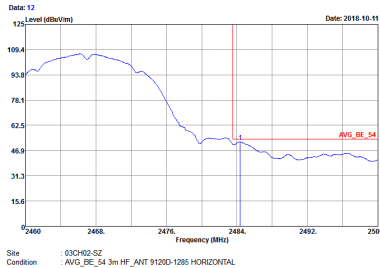
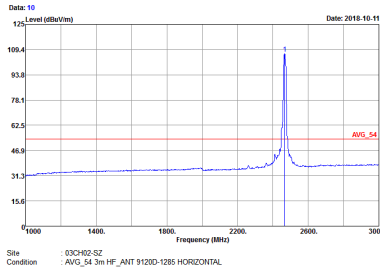
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11b CH06 2437MHz - R                                                                                                                                            |             |
| 1    | Vertical                                                                                                                                                            | Fundamental |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |             |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL</p> |             |



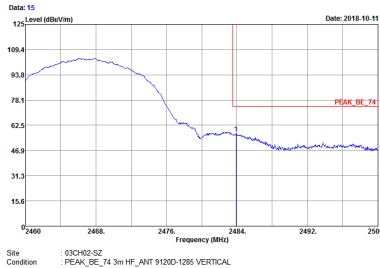
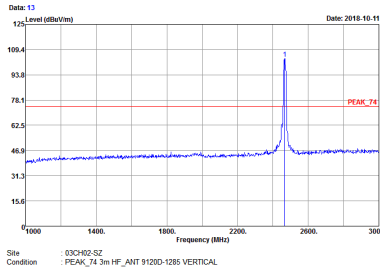
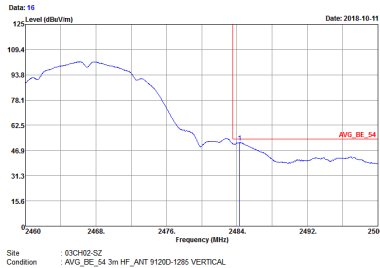
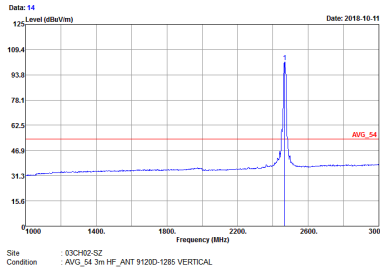
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH11 2462MHz                                                                                                                                                |                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                          | Fundamental                                                                                                                                                             |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 91200-1285 HORIZONTAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 91200-1285 HORIZONTAL</p>       |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p>   |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 91200-1285 HORIZONTAL</p> |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH11 2462MHz                                                                                                                                                |                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                       |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 91200-1285 VERTICAL</p>   |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 91200-1285 VERTICAL</p>   |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 91200-1285 VERTICAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 91200-1285 VERTICAL</p> |

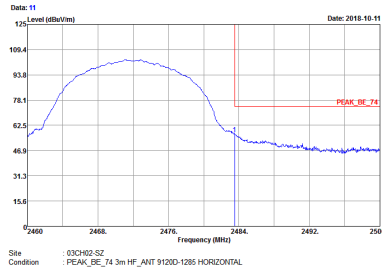
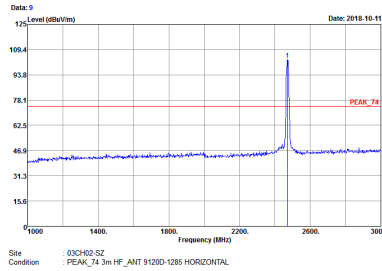
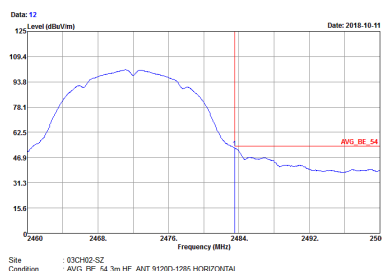
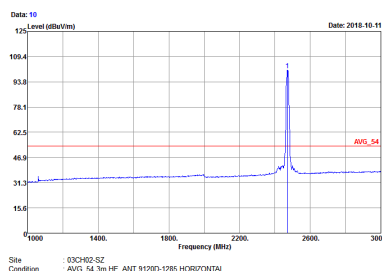


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11b CH12 2467MHz                                                                |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |

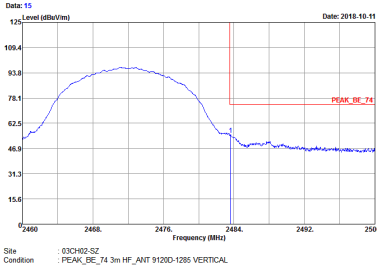
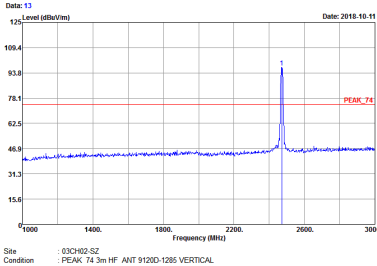
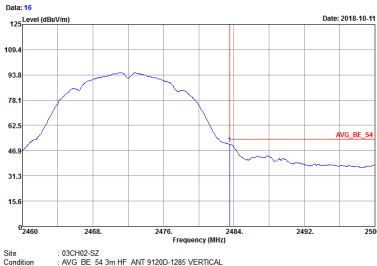
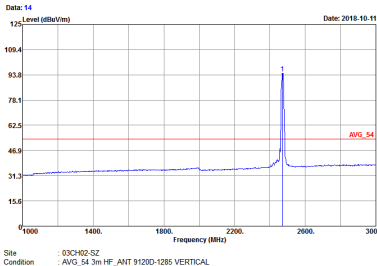


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH12 2467MHz                                                                                                                                                |                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                       |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11b CH13 2472MHz                                                                |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |



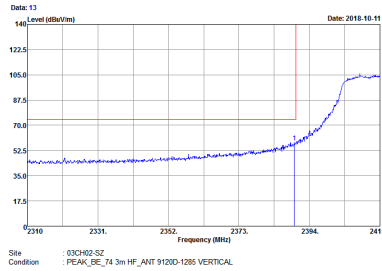
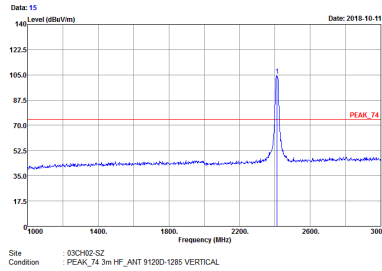
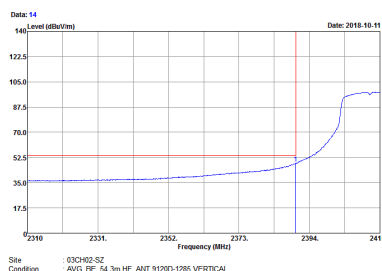
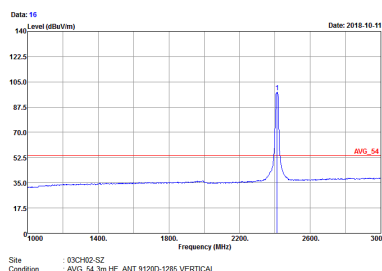
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH13 2472MHz                                                                                                                                                |                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                       |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL</p> |



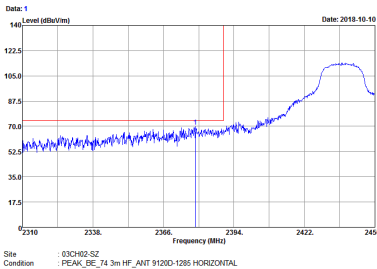
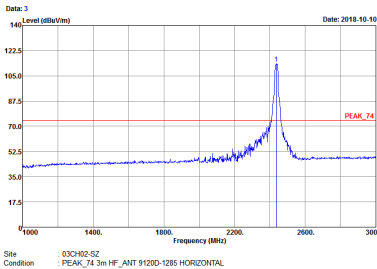
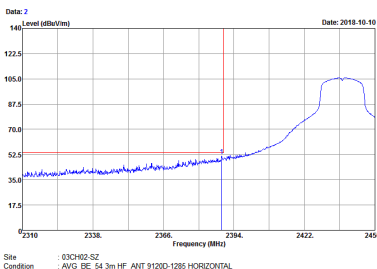
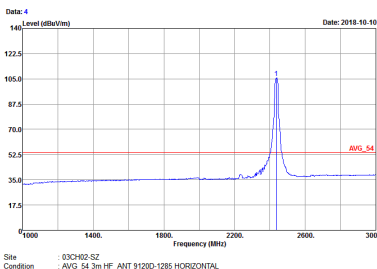
2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                               |                                                                                 |
|------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| ANT  | 802.11g CH01 2412MHz                                                               |                                                                                 |
| 1    | Horizontal                                                                         | Fundamental                                                                     |
| Peak | <p>Site Condition : 03CH02-SZ<br/>: PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> | <p>Site Condition : 03CH02-SZ<br/>: PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> |
| Avg. | <p>Site Condition : 03CH02-SZ<br/>: AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL</p>  | <p>Site Condition : 03CH02-SZ<br/>: AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL</p>  |

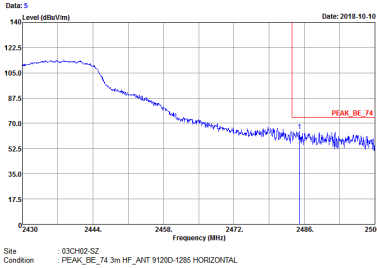
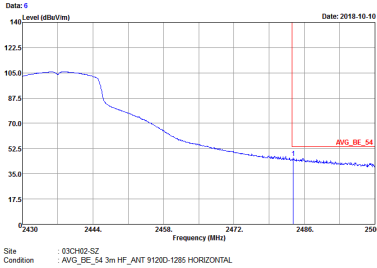


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11g CH01 2412MHz                                                                |                                                                                      |
| 1    | Vertical                                                                            | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11g CH06 2437MHz - L                                                            |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |

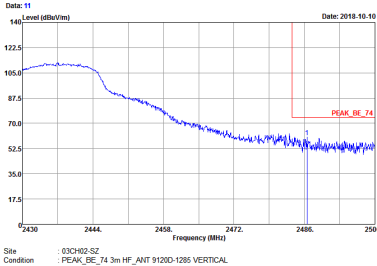
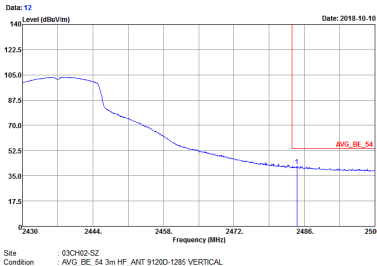


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |             |
|------|-------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11g CH06 2437MHz - R                                                            |             |
| 1    | Horizontal                                                                          | Fundamental |
| Peak |    |             |
| Avg. |  |             |

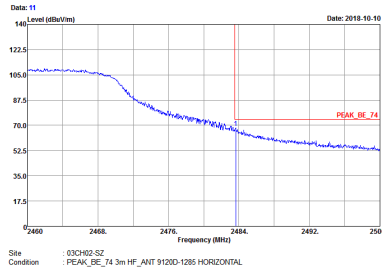
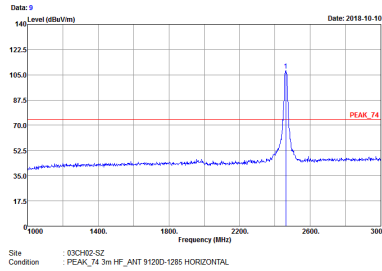
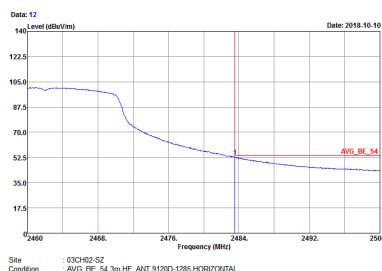
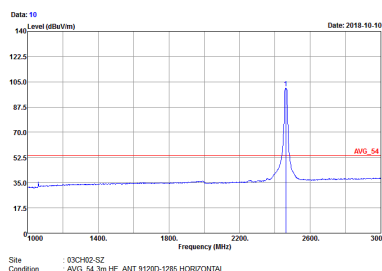


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m |             |
|------|--------------------------------------|-------------|
| ANT  | 802.11g CH06 2437MHz - L             |             |
| 1    | Vertical                             | Fundamental |
| Peak |                                      |             |
| Avg. |                                      |             |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |             |
|------|-------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11g CH06 2437MHz - R                                                            |             |
| 1    | Vertical                                                                            | Fundamental |
| Peak |    |             |
| Avg. |  |             |

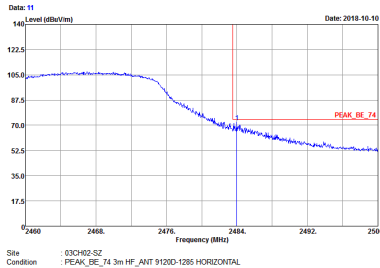
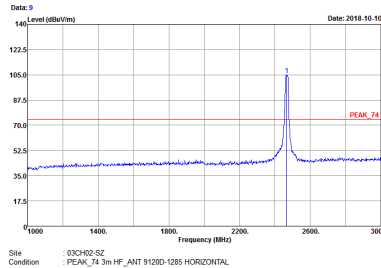
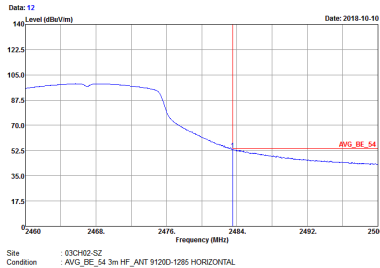
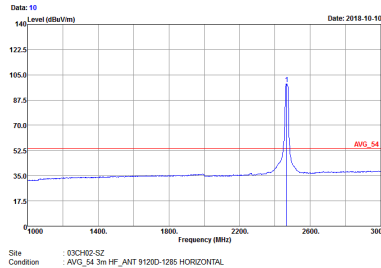


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11g CH11 2462MHz                                                                |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |

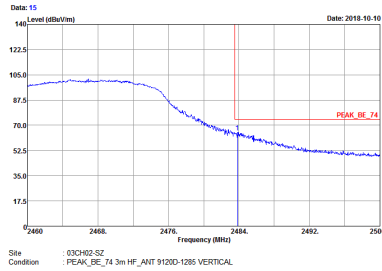
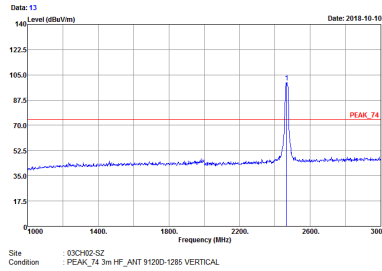
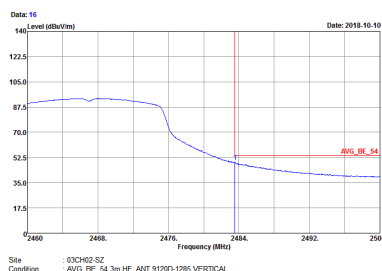
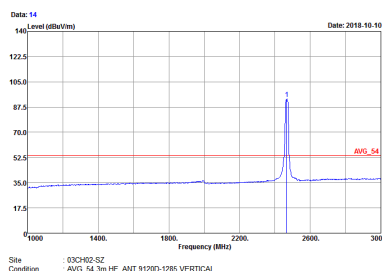


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m |             |
|------|--------------------------------------|-------------|
| ANT  | 802.11g CH11 2462MHz                 |             |
| 1    | Vertical                             | Fundamental |
| Peak |                                      |             |
| Avg. |                                      |             |

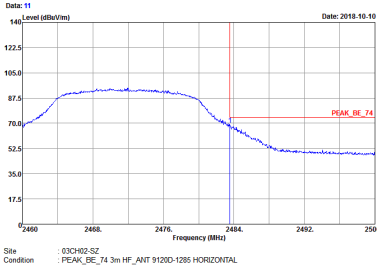
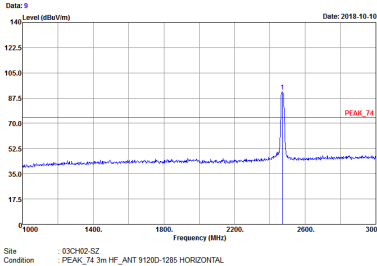
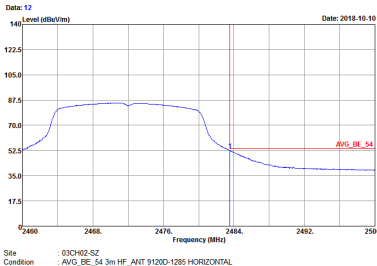
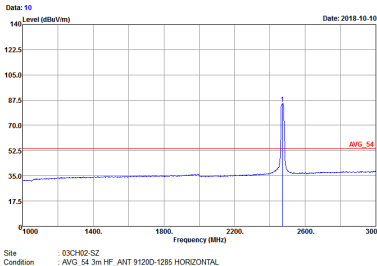


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11g CH12 2467MHz                                                                |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11g CH12 2467MHz                                                                |                                                                                      |
| 1    | Vertical                                                                            | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11g CH13 2472MHz                                                                |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |



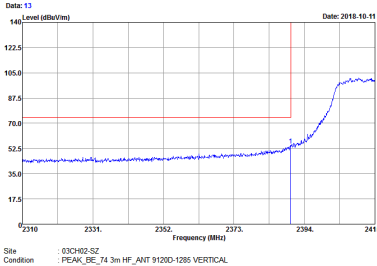
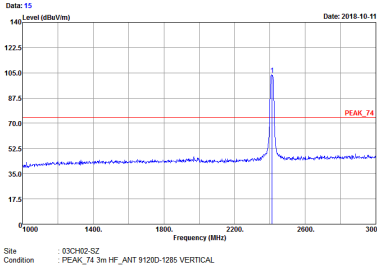
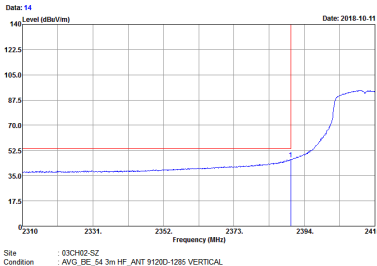
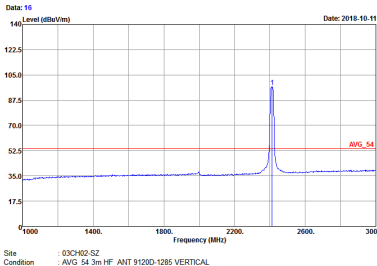
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m |             |
|------|--------------------------------------|-------------|
| ANT  | 802.11g CH13 2472MHz                 |             |
| 1    | Vertical                             | Fundamental |
| Peak |                                      |             |
| Avg. |                                      |             |



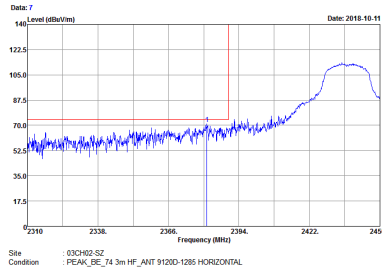
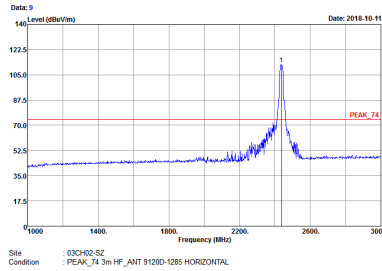
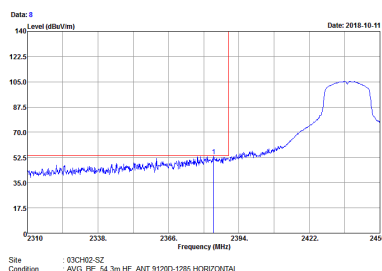
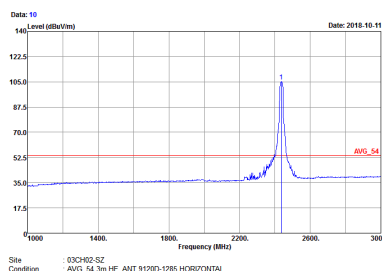
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                               |                                                                                 |
|------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH01 2412MHz                                                          |                                                                                 |
| 1    | Horizontal                                                                         | Fundamental                                                                     |
| Peak | <p>Site Condition : 03CH02-SZ<br/>: PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> | <p>Site Condition : 03CH02-SZ<br/>: PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> |
| Avg. | <p>Site Condition : 03CH02-SZ<br/>: AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL</p>  | <p>Site Condition : 03CH02-SZ<br/>: AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL</p>  |

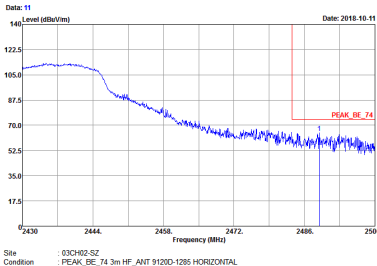
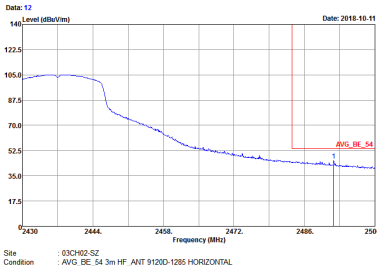


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH01 2412MHz                                                           |                                                                                      |
| 1    | Vertical                                                                            | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |

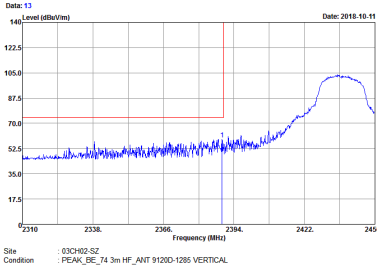
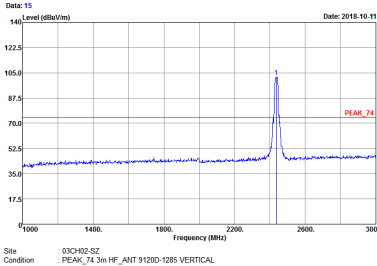
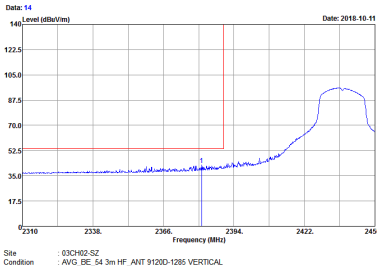
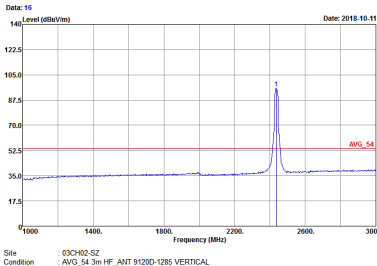


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH06 2437MHz - L                                                       |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |

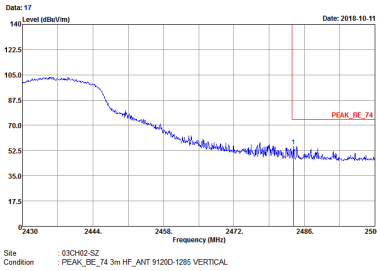
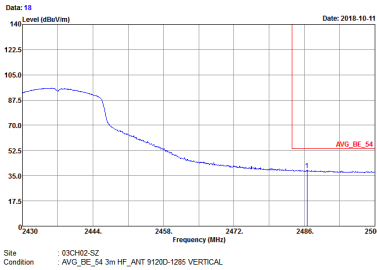


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |             |
|------|-------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH06 2437MHz - R                                                       |             |
| 1    | Horizontal                                                                          | Fundamental |
| Peak |    |             |
| Avg. |  |             |

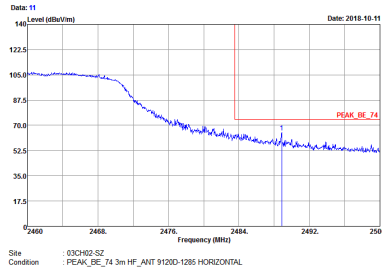
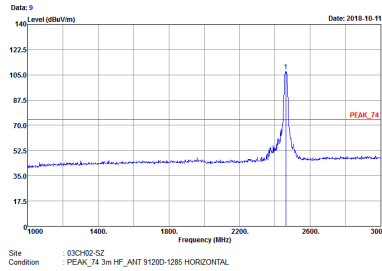
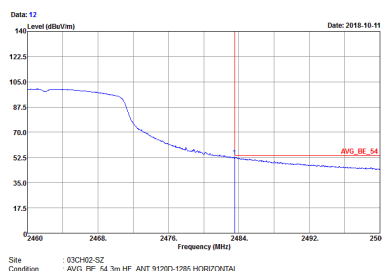
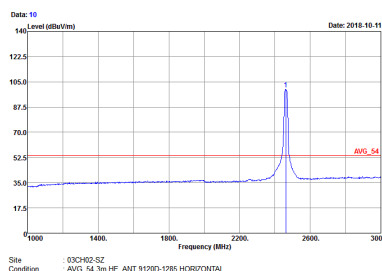


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH06 2437MHz - L                                                                                                                                       |                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                       |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL</p> |  <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL</p> |

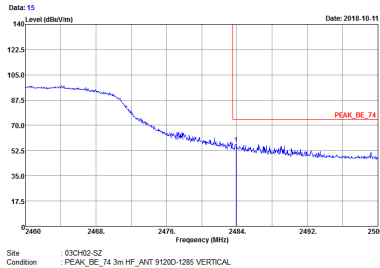
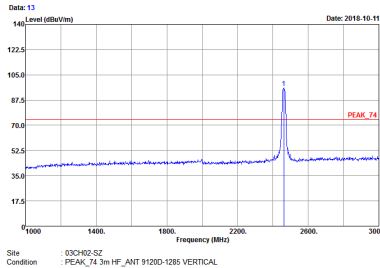
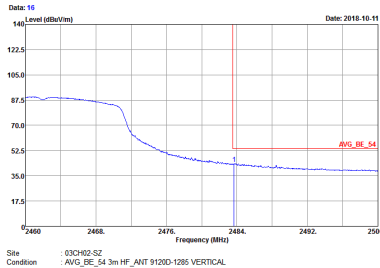
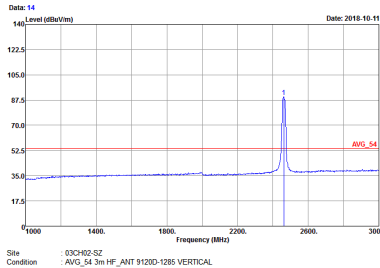


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH06 2437MHz - R                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                            | Fundamental |
| Peak |  <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |             |
| Avg. |  <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL</p> |             |

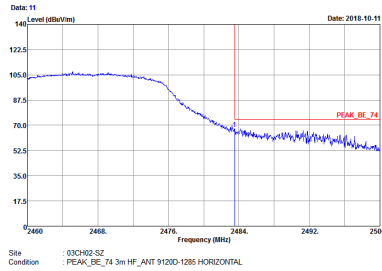
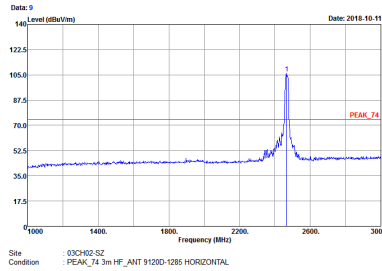
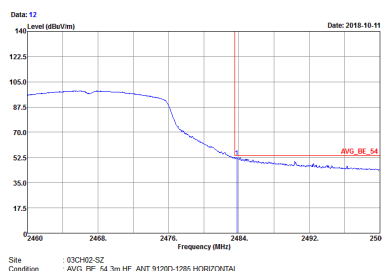
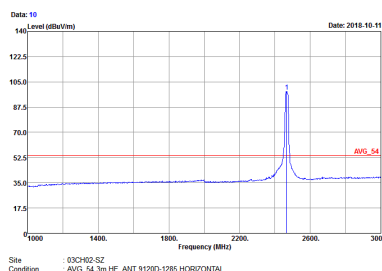


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH11 2462MHz                                                           |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |

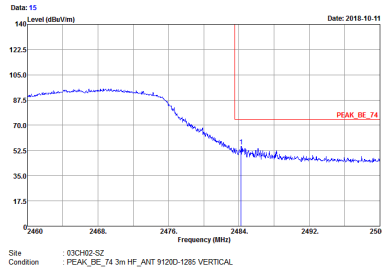
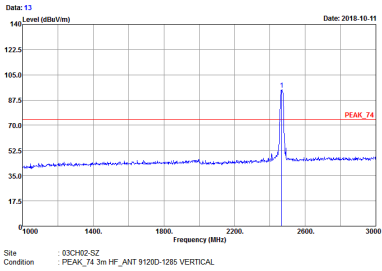
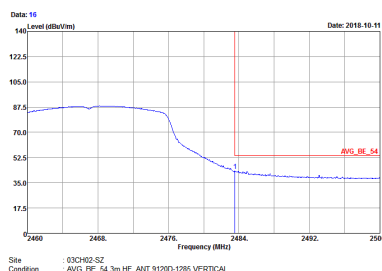
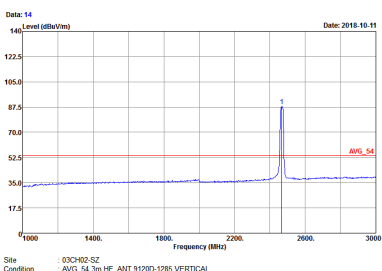


| WIFI | 2.4GHz 2400~2483.5MHz Fundamental @ 3m                                                                                                                              |                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH11 2462MHz                                                                                                                                           |                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                       |
| Peak |  <p>Site Condition : 03CH02-SZ<br/>: PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |  <p>Site Condition : 03CH02-SZ<br/>: PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p>  |
| Avg. |  <p>Site Condition : 03CH02-SZ<br/>: AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL</p> |  <p>Site Condition : 03CH02-SZ<br/>: AVG_54 3m HF_ANT 9120D-1285 VERTICAL</p> |

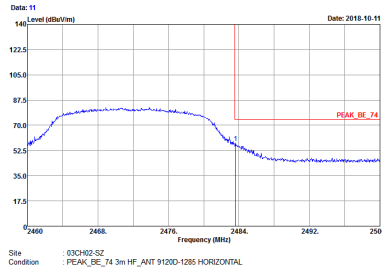
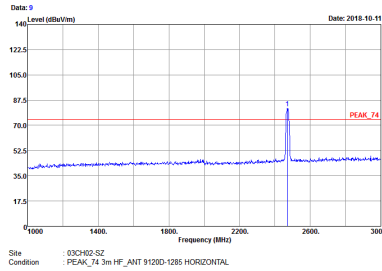
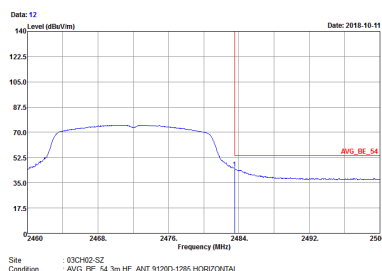
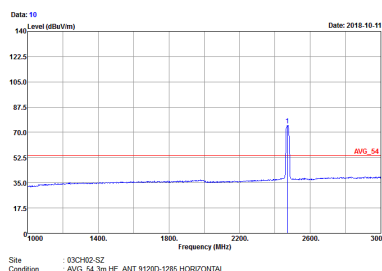


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH12 2467MHz                                                           |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |

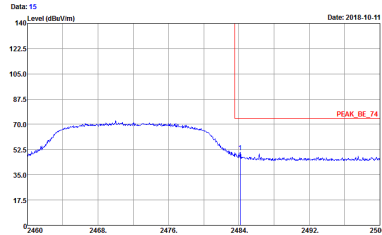
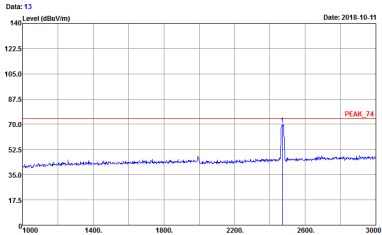
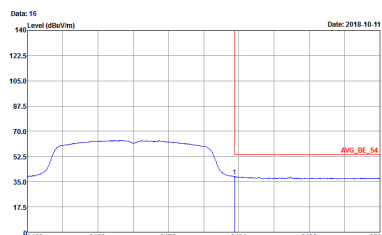
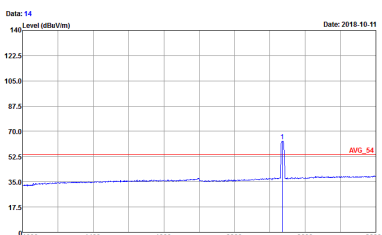


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH12 2467MHz                                                           |                                                                                      |
| 1    | Vertical                                                                            | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                |                                                                                      |
|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH13 2472MHz                                                           |                                                                                      |
| 1    | Horizontal                                                                          | Fundamental                                                                          |
| Peak |    |    |
| Avg. |  |  |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                |                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH13 2472MHz                                                                                                                                           |                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                       |
| Peak | <p>Site : 03CH02-SZ<br/>Condition : PEAK_BE_74 3m HF_ANT 91200-1285 VERTICAL</p>   | <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p>   |
| Avg. | <p>Site : 03CH02-SZ<br/>Condition : AVG_BE_54 3m HF_ANT 91200-1285 VERTICAL</p>  | <p>Site : 03CH02-SZ<br/>Condition : AVG_54 3m HF_ANT 91200-1285 VERTICAL</p>  |



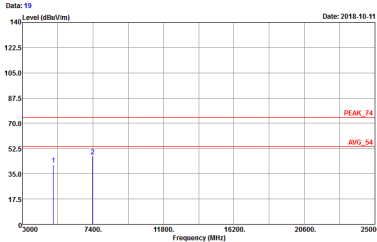
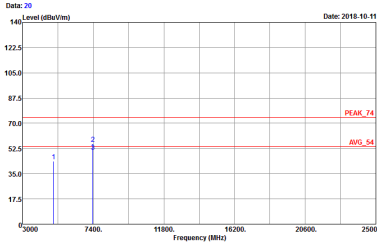
2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                     |                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11b CH01 2412MHz                                                                                                                    |                                                                                                                                       |
| 1            | Horizontal                                                                                                                              | Vertical                                                                                                                              |
| Peak<br>Avg. | <p>Data: 21<br/>Level (dBuV/m)<br/>Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> | <p>Data: 22<br/>Level (dBuV/m)<br/>Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p> |



|              |                                                                                                                                                                           |                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                       |                                                                                                                                                                       |
| ANT          | 802.11b CH06 2437MHz                                                                                                                                                      |                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                | Vertical                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |

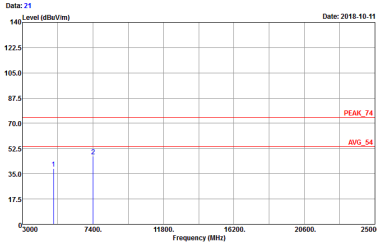
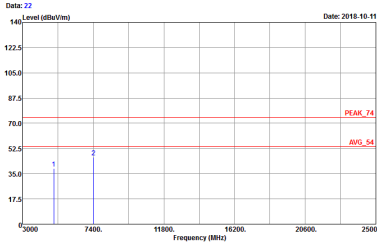


|              |                                                                                                                                                                             |                                                                                                                                                                            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                         |                                                                                                                                                                            |
| ANT          | 802.11b CH11 2462MHz                                                                                                                                                        |                                                                                                                                                                            |
| 1            | Horizontal                                                                                                                                                                  | Vertical                                                                                                                                                                   |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |



|              |                                                                                            |                                                                                          |
|--------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                        |                                                                                          |
| ANT          | 802.11b CH12 2467MHz                                                                       |                                                                                          |
| 1            | Horizontal                                                                                 | Vertical                                                                                 |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p></div> |



|              |                                                                                                                                                                             |                                                                                                                                                                            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                         |                                                                                                                                                                            |
| ANT          | 802.11b CH13 2472MHz                                                                                                                                                        |                                                                                                                                                                            |
| 1            | Horizontal                                                                                                                                                                  | Vertical                                                                                                                                                                   |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |



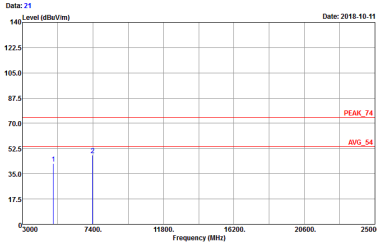
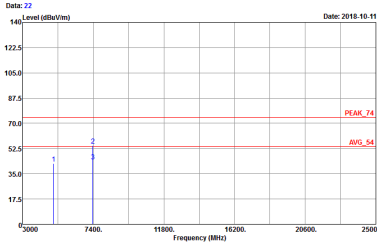
2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                     |                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11g CH01 2412MHz                                                                                                                    |                                                                                                                                       |
| 1            | Horizontal                                                                                                                              | Vertical                                                                                                                              |
| Peak<br>Avg. | <p>Data: 21<br/>Level (dBuV/m)<br/>Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-128S HORIZONTAL</p> | <p>Data: 22<br/>Level (dBuV/m)<br/>Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-128S VERTICAL</p> |



|              |                                                                                            |                                                                                          |
|--------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                        |                                                                                          |
| ANT          | 802.11g CH06 2437MHz                                                                       |                                                                                          |
| 1            | Horizontal                                                                                 | Vertical                                                                                 |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |



|              |                                                                                                                                                                             |                                                                                                                                                                            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                         |                                                                                                                                                                            |
| ANT          | 802.11g CH11 2462MHz                                                                                                                                                        |                                                                                                                                                                            |
| 1            | Horizontal                                                                                                                                                                  | Vertical                                                                                                                                                                   |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p></div> |



|              |                                                                                                                                                                           |                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                       |                                                                                                                                                                       |
| ANT          | 802.11g CH12 2467MHz                                                                                                                                                      |                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                | Vertical                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |



|              |                                                                                            |                                                                                          |
|--------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                        |                                                                                          |
| ANT          | 802.11g CH13 2472MHz                                                                       |                                                                                          |
| 1            | Horizontal                                                                                 | Vertical                                                                                 |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |



2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                     |                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH01 2412MHz                                                                                                               |                                                                                                                                       |
| 1            | Horizontal                                                                                                                              | Vertical                                                                                                                              |
| Peak<br>Avg. | <p>Data: 21<br/>Level (dBm/1m)<br/>Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-128S HORIZONTAL</p> | <p>Data: 22<br/>Level (dBm/1m)<br/>Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-128S VERTICAL</p> |



|              |                                                                                            |                                                                                          |
|--------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                        |                                                                                          |
| ANT          | 802.11n HT20 CH06 2437MHz                                                                  |                                                                                          |
| 1            | Horizontal                                                                                 | Vertical                                                                                 |
| Peak<br>Avg. | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                      |                                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH11 2462MHz                                                                                                                |                                                                                                                                        |
| 1            | Horizontal                                                                                                                               | Vertical                                                                                                                               |
| Peak<br>Avg. | <p>Site Data: 21<br/>Level (dBu/1m) Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p> | <p>Site Data: 22<br/>Level (dBu/1m) Date: 2018-10-11</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p> |

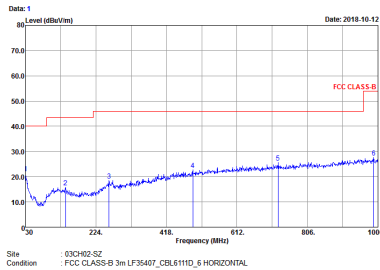
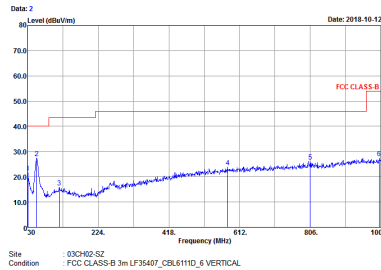


| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                   |                                                                                                                                                     |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH12 2462MHz                                                                                                                             |                                                                                                                                                     |
| 1            | Horizontal                                                                                                                                            | Vertical                                                                                                                                            |
| Peak<br>Avg. | <div><p>Data: 21<br/>Level (dBu/1m)<br/>Date: 2018-10-11</p><p>Site<br/>Condition : 03CH02-SZ<br/>: PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL</p></div> | <div><p>Data: 22<br/>Level (dBu/1m)<br/>Date: 2018-10-11</p><p>Site<br/>Condition : 03CH02-SZ<br/>: PEAK_74 3m HF_ANT 91200-1285 VERTICAL</p></div> |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                             |                                                                                                                                                             |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH13 2472MHz                                                                                                                                       |                                                                                                                                                             |
| 1            | Horizontal                                                                                                                                                      | Vertical                                                                                                                                                    |
| Peak<br>Avg. | <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL</p> | <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p> <p>Site : 03CH02-SZ<br/>Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL</p> |

Emission below 1GHz  
2.4GHz WIFI 802.11n HT20 (LF)

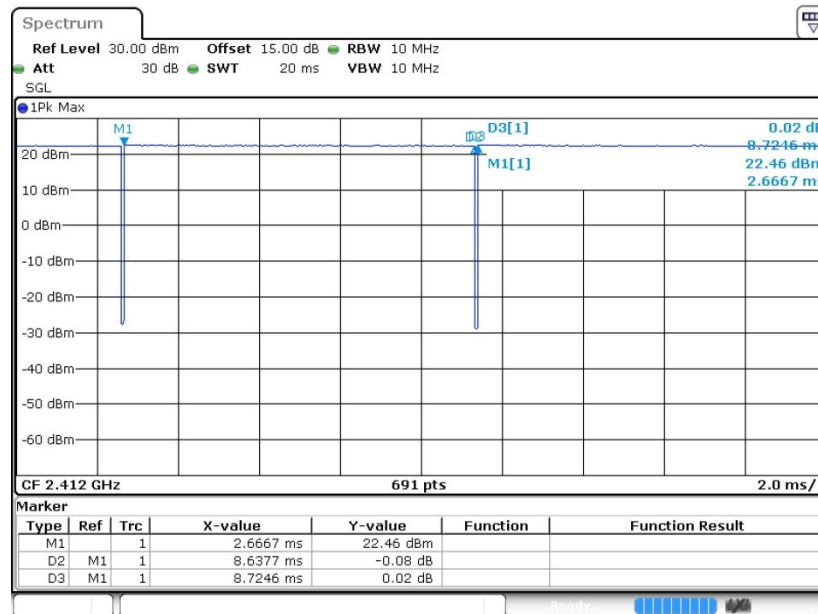
| WIFI         | 2.4GHz 2400~2483.5MHz                                                                                                                                                   |                                                                                                                                                                        |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 LF                                                                                                                                                         |                                                                                                                                                                        |
| 1            | Horizontal                                                                                                                                                              | Vertical                                                                                                                                                               |
| QP /<br>Peak |  <p>Site Condition : 03CH02-SZ<br/>: FCC CLASS-B 3m LF35407_CBL6111D_5 HORIZONTAL</p> |  <p>Site Condition : 03CH02-SZ<br/>: FCC CLASS-B 3m LF35407_CBL6111D_5 VERTICAL</p> |
|              |                                                                                                                                                                         |                                                                                                                                                                        |

## Appendix D. Duty Cycle Plots

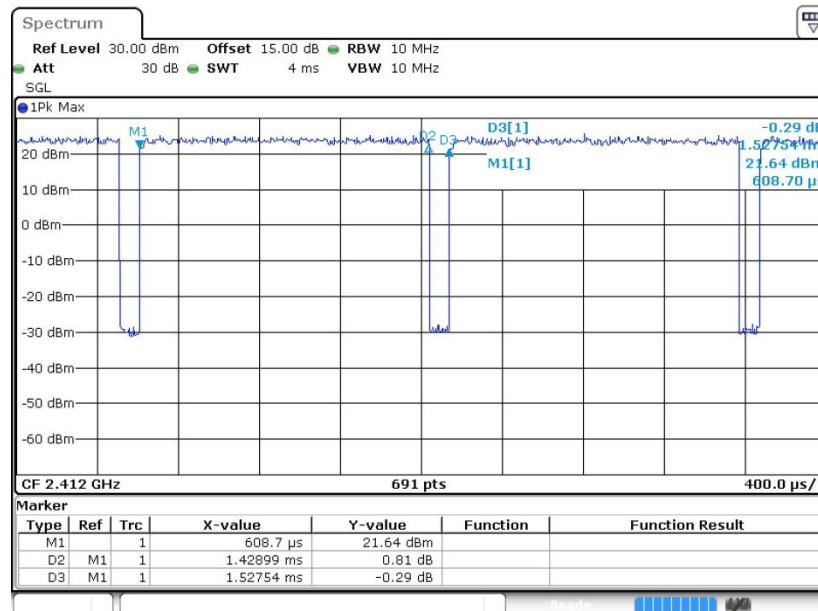
| Band         | Duty Cycle(%) | T(ms) | 1/T(kHz) | VBW Setting |
|--------------|---------------|-------|----------|-------------|
| 802.11b      | 99.00         | -     | -        | 10Hz        |
| 802.11g      | 93.55         | 1.429 | 0.700    | 1KHz        |
| 802.11n HT20 | 93.13         | 1.336 | 0.748    | 1KHz        |



802.11b



802.11g



802.11n20

