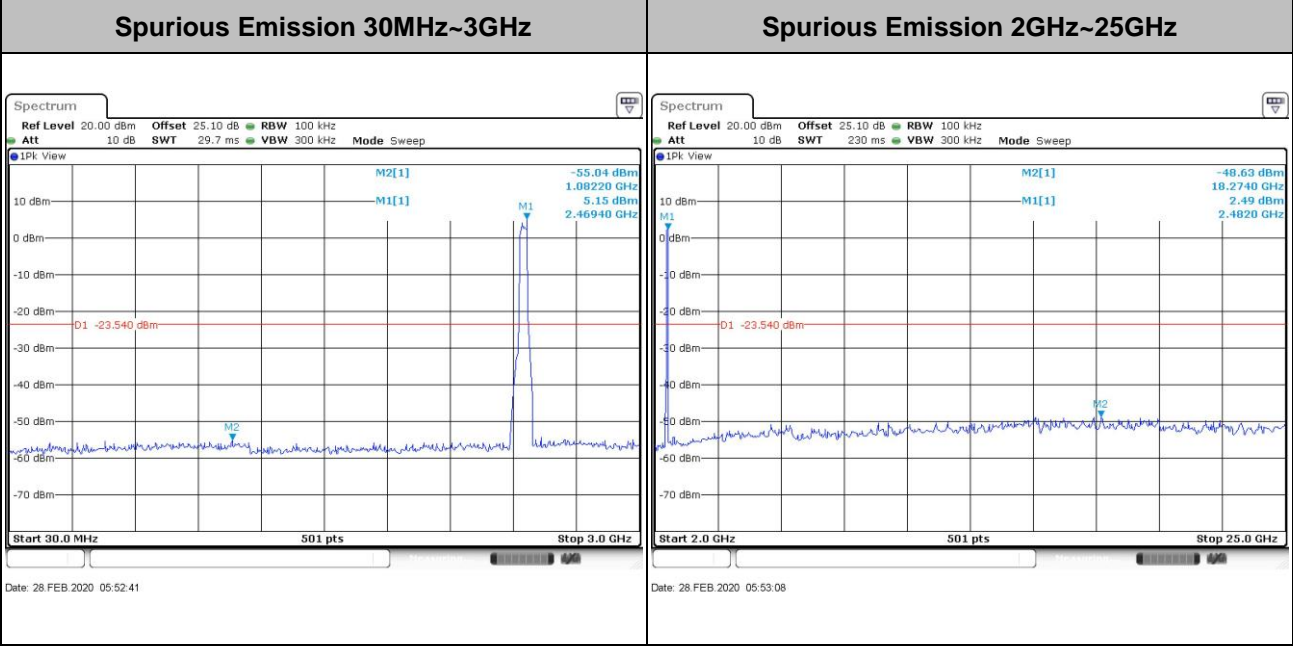
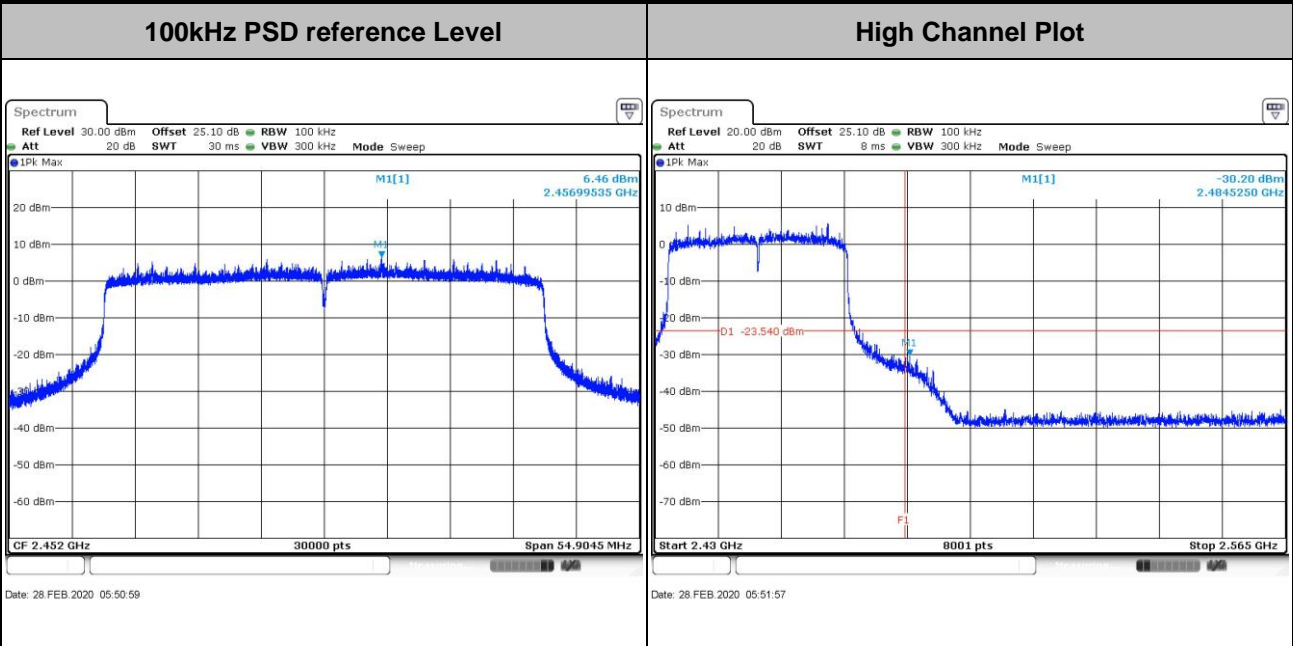




|                    |               |                       |            |
|--------------------|---------------|-----------------------|------------|
| <b>Test Mode :</b> | 802.11ax HE40 | <b>Test Channel :</b> | 09 Full RU |
|--------------------|---------------|-----------------------|------------|





### 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 (MHz) | Field Strength (microvolts/meter) | Measurement Distance (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

See list of measuring equipment of this test report.

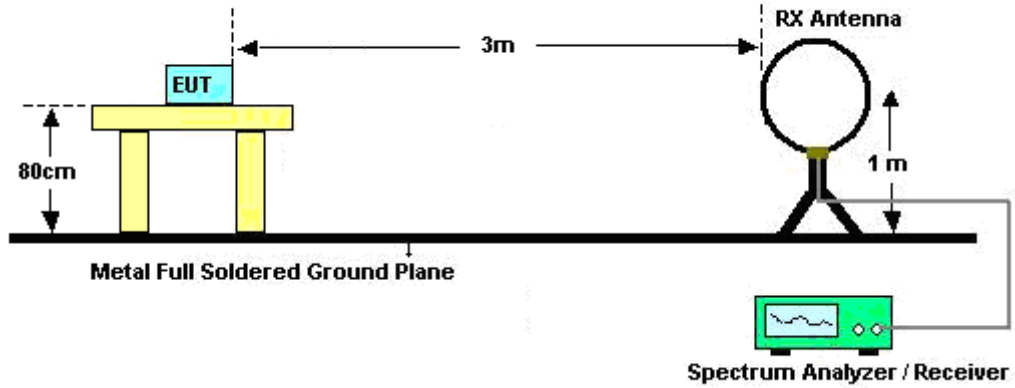


### 3.5.3 Test Procedures

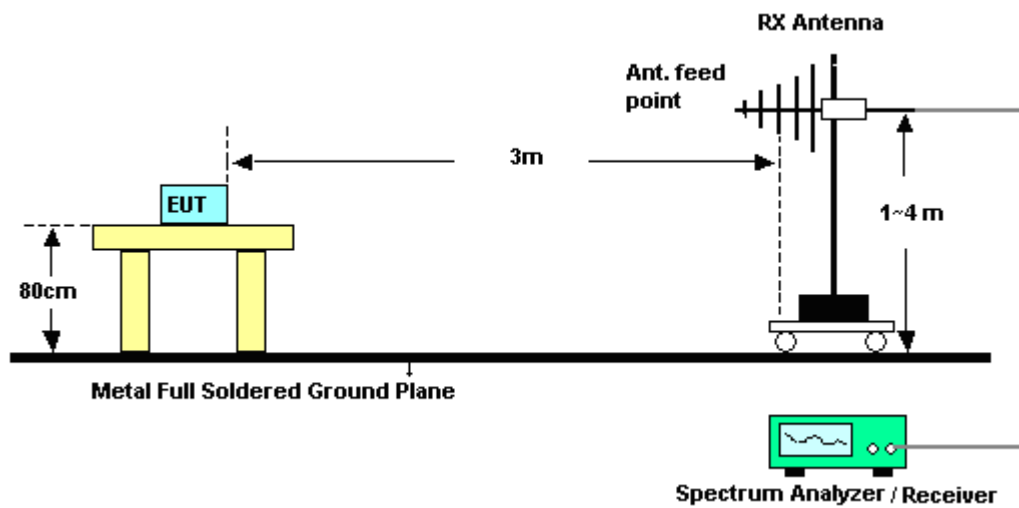
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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

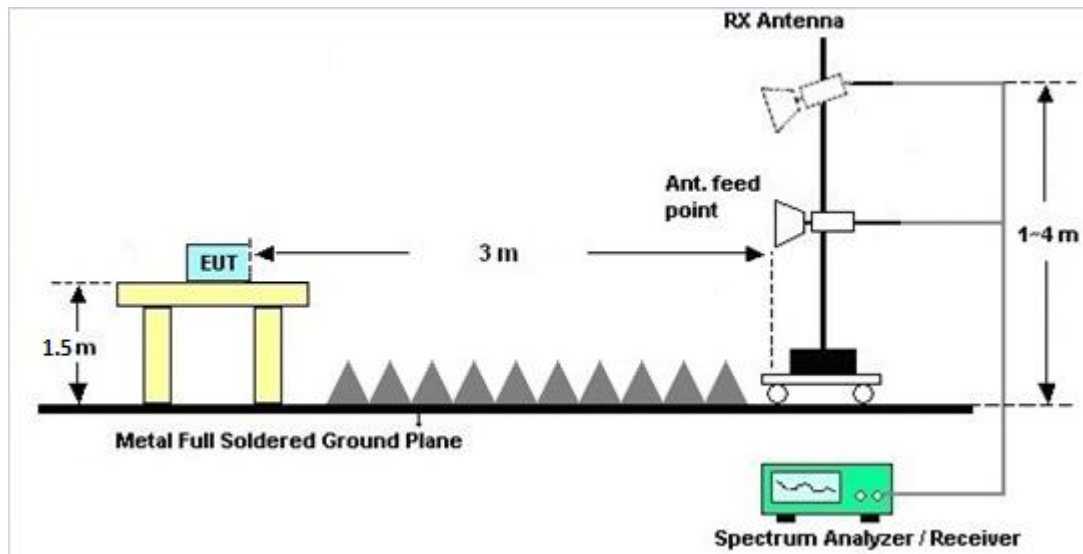
For radiated emissions below 30MHz



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.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

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

Please refer to Appendix C and D.

### 3.5.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



### 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 (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.

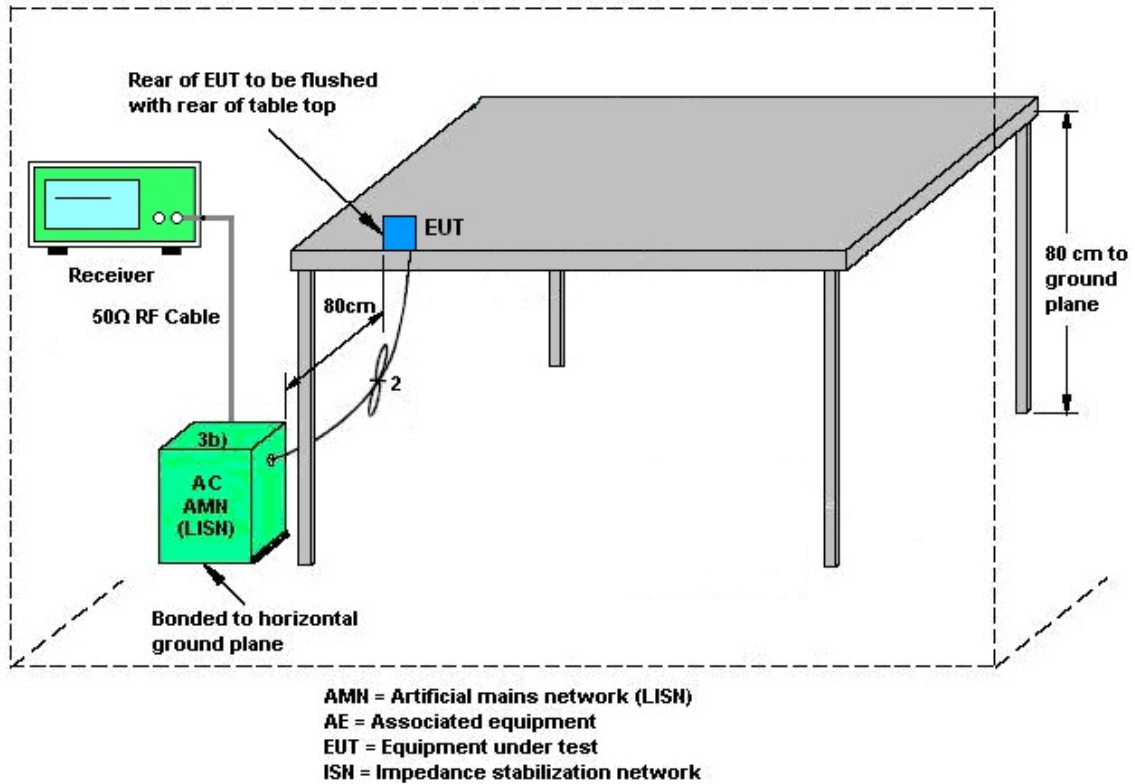
#### 3.6.2 Measuring Instruments

See list of measuring equipment 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

Please refer to Appendix B.



## **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**

Two antenna has different polarization, one is horizontal and the other one is vertical.

Horizontal antenna gain = 0.5 dBi

Vertical antenna gain = 1.5 dBi

Which use the larger one to calculate the EIRP.





## 4 List of Measuring Equipment

| Instrument                          | Manufacturer    | Model No.                   | Serial No.       | Characteristics               | Calibration Date | Test Date                     | Due Date      | Remark                |
|-------------------------------------|-----------------|-----------------------------|------------------|-------------------------------|------------------|-------------------------------|---------------|-----------------------|
| LISN                                | TESEQ           | NNB51                       | 47407            | N/A                           | Jun. 26, 2019    | Feb. 25, 2020                 | Jun. 25, 2020 | Conduction (CO01-CA)  |
| EMI Test Receiver                   | R&S             | ESR7                        | 102177           | 9KHz~7GHz                     | Jun. 27, 2019    | Feb. 25, 2020                 | Jun. 26, 2020 | Conduction (CO01-CA)  |
| Pulse limiter with 10dB attenuation | R&S             | VTSD 9561-FN                | 9561-F-N00412    | N/A                           | Jun. 11, 2019    | Feb. 25, 2020                 | Jun. 10, 2020 | Conduction (CO01-CA)  |
| Test Software                       | EMC32           | N/A                         | N/A              | N/A                           | N/A              | Feb. 25, 2020                 | N/A           | Conduction (CO01-CA)  |
| Hygrometer                          | Testo           | 608-H1                      | 45142595         | N/A                           | Aug. 07, 2019    | Jan. 28, 2020 ~ Feb. 29, 2020 | Aug. 06, 2020 | Conducted (TH01-CA)   |
| Power Sensor                        | DARE            | RPR3006W                    | RPR6W-1901027    | 50MHz~18GHz                   | Jun. 27, 2019    | Jan. 28, 2020 ~ Feb. 29, 2020 | Jun. 26, 2020 | Conducted (TH01-CA)   |
| Spectrum Analyzer                   | Rohde & Schwarz | FSV 40                      | 100895           | 10Hz~40GHz                    | Aug. 29, 2019    | Jan. 28, 2020 ~ Feb. 29, 2020 | Aug. 28, 2020 | Conducted (TH01-CA)   |
| Switch Box & RF Cable               | EM              | EMSW18                      | SW1070902        | N/A                           | N/A              | Jan. 28, 2020 ~ Feb. 29, 2020 | N/A           | Conducted (TH01-CA)   |
| Bilog Antenna                       | TESEQ           | 6111D                       | 50392            | 30MHz~1GHz                    | May 15, 2019     | Feb. 06, 2020 ~ Mar. 10, 2020 | May 14, 2020  | Radiation (03CH02-CA) |
| Horn Antenna                        | SCHWARZBECK     | BBHA 9120D                  | 01894            | 1GHz~18GHz                    | Jul. 22, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Jul. 21, 2020 | Radiation (03CH02-CA) |
| Amplifier                           | SONOMA          | 310N                        | 372241           | N/A                           | Jul. 26, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Jul. 25, 2020 | Radiation (03CH02-CA) |
| Preamplifier                        | Keysight        | 83017A                      | MY53270321       | 1GHz~26.5GHz                  | Jul. 26, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Jul. 25, 2020 | Radiation (03CH02-CA) |
| Preamplifier                        | Jet-Power       | JPA0118-55-303              | 1710001800055007 | 1GHz~18GHz                    | Apr. 01, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Mar. 31, 2020 | Radiation (03CH02-CA) |
| Spectrum Analyzer                   | Keysight        | N9010A                      | MY57420221       | 10Hz~44GHz                    | Sep. 11, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Sep. 10, 2020 | Radiation (03CH02-CA) |
| Filter                              | Wainwright      | WLK12-1200-1272-11000-40SS  | SN2              | 1.2G Low Pass                 | Aug. 02, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Aug. 01, 2020 | Radiation (03CH02-CA) |
| Filter                              | Wainwright      | WHKX12-2700-3000-18000-60ST | SN10             | 3G Highpass                   | Aug. 02, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Aug. 01, 2020 | Radiation (03CH02-CA) |
| Hygrometer                          | TESEO           | 608-H1                      | 45142602         | N/A                           | Jul. 25, 2019    | Feb. 06, 2020 ~ Mar. 10, 2020 | Jul. 24, 2020 | Radiation (03CH02-CA) |
| Controller                          | ChainTek        | 3000-1                      | N/A              | Control Turn table & Ant Mast | N/A              | Feb. 06, 2020 ~ Mar. 10, 2020 | N/A           | Radiation (03CH02-CA) |
| Antenna Mast                        | ChainTek        | MBS-520-1                   | N/A              | 1m~4m                         | N/A              | Feb. 06, 2020 ~ Mar. 10, 2020 | N/A           | Radiation (03CH02-CA) |
| Turn Table                          | ChainTek        | T-200-S-1                   | N/A              | 0~360 Degree                  | N/A              | Feb. 06, 2020 ~ Mar. 10, 2020 | N/A           | Radiation (03CH02-CA) |



## 5 Uncertainty of Evaluation

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

|   |     |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 1.7 |
|---|-----|

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

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

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

|   |     |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.5 |
|---|-----|

### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

|   |     |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.3 |
|---|-----|

**Appendix A. Test Result of Conducted Test Items**

|                |                     |                    |       |    |
|----------------|---------------------|--------------------|-------|----|
| Test Engineer: | Howard Lin          | Temperature:       | 21~25 | °C |
| Test Date:     | 2020/1/28~2020/2/29 | Relative Humidity: | 51~54 | %  |

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

| 2.4GHz Band MIMO |           |     |     |             |                       |       |              |       |                    |           |
|------------------|-----------|-----|-----|-------------|-----------------------|-------|--------------|-------|--------------------|-----------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | 99% Occupied BW (MHz) |       | 6dB BW (MHz) |       | 6dB BW Limit (MHz) | Pass/Fail |
|                  |           |     |     |             | Ant1                  | Ant2  | Ant1         | Ant2  |                    |           |
| 11b              | 1Mbps     | 2   | 1   | 2412        | 12.79                 | 13.09 | 7.07         | 7.55  | 0.50               | Pass      |
| 11b              | 1Mbps     | 2   | 6   | 2437        | 13.14                 | 13.24 | 8.05         | 8.03  | 0.50               | Pass      |
| 11b              | 1Mbps     | 2   | 11  | 2462        | 13.04                 | 13.09 | 8.03         | 8.03  | 0.50               | Pass      |
| 11g              | 6Mbps     | 2   | 1   | 2412        | 16.43                 | 16.58 | 15.44        | 15.70 | 0.50               | Pass      |
| 11g              | 6Mbps     | 2   | 6   | 2437        | 16.63                 | 16.73 | 15.88        | 16.00 | 0.50               | Pass      |
| 11g              | 6Mbps     | 2   | 11  | 2462        | 16.43                 | 16.48 | 14.77        | 16.02 | 0.50               | Pass      |

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

| 2.4GHz Band MIMO |           |                 |     |             |           |                       |       |              |       |                    |           |
|------------------|-----------|-----------------|-----|-------------|-----------|-----------------------|-------|--------------|-------|--------------------|-----------|
| Mod.             | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config | 99% Occupied BW (MHz) |       | 6dB BW (MHz) |       | 6dB BW Limit (MHz) | Pass/Fail |
|                  |           |                 |     |             |           | Ant1                  | Ant2  | Ant1         | Ant2  |                    |           |
| HE20             |           | 1               | 1   | 2412        | Full      | 18.88                 | 18.88 | 15.92        | 17.04 | 0.50               | Pass      |
| HE20             |           | 1               | 6   | 2437        | Full      | 19.08                 | 19.03 | 17.74        | 18.32 | 0.50               | Pass      |
| HE20             |           | 1               | 11  | 2462        | Full      | 18.93                 | 18.93 | 17.50        | 17.70 | 0.50               | Pass      |
| HE40             |           | 1               | 3   | 2422        | Full      | 37.86                 | 37.76 | 33.01        | 35.20 | 0.50               | Pass      |
| HE40             |           | 1               | 6   | 2437        | Full      | 38.06                 | 37.96 | 37.32        | 37.60 | 0.50               | Pass      |
| HE40             |           | 1               | 9   | 2452        | Full      | 37.76                 | 37.96 | 36.44        | 36.60 | 0.50               | Pass      |

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

| 2.4GHz Band MIMO |           |     |     |             |                               |       |       |                             |      |          |      |                  |      |                        |      |            |
|------------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|-----------------------------|------|----------|------|------------------|------|------------------------|------|------------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | Conducted Power Limit (dBm) |      | DG (dBi) |      | EIRP Power (dBm) |      | EIRP Power Limit (dBm) |      | Pass /Fail |
|                  |           |     |     |             | Ant1                          | Ant2  | SUM   | Ant1                        | Ant2 | Ant1     | Ant2 | Ant1             | Ant2 | Ant1                   | Ant2 |            |
| 11b              | 1Mbps     | 2   | 1   | 2412        | 22.46                         | 22.99 | 25.74 | 30.00                       |      | 1.50     |      | 27.24            |      | 36.00                  | Pass |            |
| 11b              | 1Mbps     | 2   | 6   | 2437        | 21.86                         | 22.94 | 25.44 | 30.00                       |      | 1.50     |      | 26.94            |      | 36.00                  | Pass |            |
| 11b              | 1Mbps     | 2   | 11  | 2462        | 22.30                         | 22.74 | 25.54 | 30.00                       |      | 1.50     |      | 27.04            |      | 36.00                  | Pass |            |
| 11g              | 6Mbps     | 2   | 1   | 2412        | 20.75                         | 21.30 | 24.04 | 30.00                       |      | 1.50     |      | 25.54            |      | 36.00                  | Pass |            |
| 11g              | 6Mbps     | 2   | 6   | 2437        | 20.92                         | 21.82 | 24.40 | 30.00                       |      | 1.50     |      | 25.90            |      | 36.00                  | Pass |            |
| 11g              | 6Mbps     | 2   | 11  | 2462        | 19.71                         | 20.07 | 22.90 | 30.00                       |      | 1.50     |      | 24.40            |      | 36.00                  | Pass |            |
| HT20             | MCS0      | 2   | 1   | 2412        | 19.94                         | 20.43 | 23.20 | 30.00                       |      | 1.50     |      | 24.70            |      | 36.00                  | Pass |            |
| HT20             | MCS0      | 2   | 6   | 2437        | 20.72                         | 21.44 | 24.11 | 30.00                       |      | 1.50     |      | 25.61            |      | 36.00                  | Pass |            |
| HT20             | MCS0      | 2   | 11  | 2462        | 19.90                         | 20.13 | 23.03 | 30.00                       |      | 1.50     |      | 24.53            |      | 36.00                  | Pass |            |
| HT40             | MCS0      | 2   | 3   | 2422        | 19.47                         | 20.20 | 22.86 | 30.00                       |      | 1.50     |      | 24.36            |      | 36.00                  | Pass |            |
| HT40             | MCS0      | 2   | 6   | 2437        | 19.35                         | 20.04 | 22.72 | 30.00                       |      | 1.50     |      | 24.22            |      | 36.00                  | Pass |            |
| HT40             | MCS0      | 2   | 9   | 2452        | 19.70                         | 20.23 | 22.98 | 30.00                       |      | 1.50     |      | 24.48            |      | 36.00                  | Pass |            |

Note: Measured power (dBm) has offset with cable loss.

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

| 2.4GHz Band MIMO |           |                 |     |             |           |                               |       |       |                             |      |          |      |                  |      |                        |      |            |
|------------------|-----------|-----------------|-----|-------------|-----------|-------------------------------|-------|-------|-----------------------------|------|----------|------|------------------|------|------------------------|------|------------|
| Mod.             | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | Conducted Power Limit (dBm) |      | DG (dBi) |      | EIRP Power (dBm) |      | EIRP Power Limit (dBm) |      | Pass /Fail |
|                  |           |                 |     |             |           | Ant1                          | Ant2  | SUM   | Ant1                        | Ant2 | Ant1     | Ant2 | Ant1             | Ant2 | Ant1                   | Ant2 |            |
| HE20             | MCS0      | 2               | 1   | 2412        | Full      | 20.00                         | 20.45 | 23.24 | 30.00                       |      | 1.50     |      | 24.74            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | 20.74                         | 21.50 | 24.15 | 30.00                       |      | 1.50     |      | 25.65            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | 19.94                         | 20.17 | 23.07 | 30.00                       |      | 1.50     |      | 24.57            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | 19.50                         | 20.23 | 22.89 | 30.00                       |      | 1.50     |      | 24.39            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | 19.41                         | 20.09 | 22.77 | 30.00                       |      | 1.50     |      | 24.27            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | 19.74                         | 20.29 | 23.03 | 30.00                       |      | 1.50     |      | 24.53            |      | 36.00                  |      | Pass       |

Note: Measured power (dBm) has offset with cable loss.

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

| 2.4GHz Band MIMO |           |     |     |             |                     |        |              |          |      |                           |      |           |
|------------------|-----------|-----|-----|-------------|---------------------|--------|--------------|----------|------|---------------------------|------|-----------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | Peak PSD (dBm/3kHz) |        |              | DG (dBi) |      | Peak PSD Limit (dBm/3kHz) |      | Pass/Fail |
|                  |           |     |     |             | Ant1                | Ant2   | Worse + 3.01 | Ant1     | Ant2 | Ant1                      | Ant2 |           |
| 11b              | 1Mbps     | 2   | 1   | 2412        | -6.03               | -3.07  | -0.06        | 1.50     |      | 8.00                      |      | Pass      |
| 11b              | 1Mbps     | 2   | 6   | 2437        | -6.99               | -5.91  | -2.90        | 1.50     |      | 8.00                      |      | Pass      |
| 11b              | 1Mbps     | 2   | 11  | 2462        | -6.10               | -2.98  | 0.03         | 1.50     |      | 8.00                      |      | Pass      |
| 11g              | 6Mbps     | 2   | 1   | 2412        | -11.44              | -11.31 | -8.30        | 1.50     |      | 8.00                      |      | Pass      |
| 11g              | 6Mbps     | 2   | 6   | 2437        | -11.97              | -10.79 | -7.78        | 1.50     |      | 8.00                      |      | Pass      |
| 11g              | 6Mbps     | 2   | 11  | 2462        | -12.92              | -12.52 | -9.51        | 1.50     |      | 8.00                      |      | Pass      |

Measured power density (dBm) has offset with cable loss.



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

| 2.4GHz Band MIMO |           |                 |     |             |           |                     |        |              |          |      |                           |      |           |
|------------------|-----------|-----------------|-----|-------------|-----------|---------------------|--------|--------------|----------|------|---------------------------|------|-----------|
| Mod.             | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Peak PSD (dBm/3kHz) |        |              | DG (dBi) |      | Peak PSD Limit (dBm/3kHz) |      | Pass/Fail |
|                  |           |                 |     |             |           | Ant1                | Ant2   | Worse + 3.01 | Ant1     | Ant2 | Ant1                      | Ant2 |           |
| HE20             | MCS0      | 2               | 1   | 2412        | Full      | -15.83              | -15.01 | -12.00       | 1.50     |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | -15.05              | -14.70 | -11.69       | 1.50     |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | -15.58              | -15.90 | -12.57       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | -18.50              | -18.14 | -15.13       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | -18.39              | -18.28 | -15.27       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | -18.55              | -18.45 | -15.44       | 1.50     |      | 8.00                      |      | Pass      |

Measured power density (dBm) has offset with cable loss.

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

## &lt;Band-edge Unmodulated&gt;

| 2.4GHz Band MIMO |           |                 |     |             |           |                               |       |       |                             |      |          |      |                  |      |                        |      |            |
|------------------|-----------|-----------------|-----|-------------|-----------|-------------------------------|-------|-------|-----------------------------|------|----------|------|------------------|------|------------------------|------|------------|
| Mod.             | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | Conducted Power Limit (dBm) |      | DG (dBi) |      | EIRP Power (dBm) |      | EIRP Power Limit (dBm) |      | Pass /Fail |
|                  |           |                 |     |             |           | Ant1                          | Ant2  | SUM   | Ant1                        | Ant2 | Ant1     | Ant2 | Ant1             | Ant2 | Ant1                   | Ant2 |            |
| HE20             | MCS0      | 2               | 1   | 2412        | Full      | 17.11                         | 17.25 | 20.19 | 30.00                       |      | 1.50     |      | 21.69            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | 17.15                         | 17.71 | 20.45 | 30.00                       |      | 1.50     |      | 21.95            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | 16.43                         | 16.63 | 19.54 | 30.00                       |      | 1.50     |      | 21.04            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | 17.01                         | 17.64 | 20.35 | 30.00                       |      | 1.50     |      | 21.85            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | 16.49                         | 16.98 | 19.75 | 30.00                       |      | 1.50     |      | 21.25            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | 17.37                         | 17.33 | 20.36 | 30.00                       |      | 1.50     |      | 21.86            |      | 36.00                  |      | Pass       |

Note: Measured power (dBm) has offset with cable loss.

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

| 2.4GHz Band MIMO |           |                 |     |             |           |                     |        |              |          |      |                           |      |           |
|------------------|-----------|-----------------|-----|-------------|-----------|---------------------|--------|--------------|----------|------|---------------------------|------|-----------|
| Mod.             | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Peak PSD (dBm/3kHz) |        |              | DG (dBi) |      | Peak PSD Limit (dBm/3kHz) |      | Pass/Fail |
|                  |           |                 |     |             |           | Ant1                | Ant2   | Worse + 3.01 | Ant1     | Ant2 | Ant1                      | Ant2 |           |
| HE20             | MCS0      | 2               | 1   | 2412        | Full      | -15.52              | -15.17 | -12.16       | 1.50     |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | -15.91              | -14.87 | -11.86       | 1.50     |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | -16.18              | -15.94 | -12.93       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | -18.94              | -18.38 | -15.37       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | -19.33              | -18.33 | -15.32       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | -18.67              | -18.57 | -15.56       | 1.50     |      | 8.00                      |      | Pass      |

Measured power density (dBm) has offset with cable loss.

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

## &lt;Middle Unmodulated&gt;

| 2.4GHz Band MIMO |           |                 |     |             |           |                               |       |       |                             |      |          |      |                  |      |                        |      |            |
|------------------|-----------|-----------------|-----|-------------|-----------|-------------------------------|-------|-------|-----------------------------|------|----------|------|------------------|------|------------------------|------|------------|
| Mod.             | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | Conducted Power Limit (dBm) |      | DG (dBi) |      | EIRP Power (dBm) |      | EIRP Power Limit (dBm) |      | Pass /Fail |
|                  |           |                 |     |             |           | Ant1                          | Ant2  | SUM   | Ant1                        | Ant2 | Ant1     | Ant2 | Ant1             | Ant2 | Ant1                   | Ant2 |            |
| HE20             | MCS0      | 2               | 1   | 2412        | Full      | 14.41                         | 15.23 | 17.85 | 30.00                       |      | 1.50     |      | 19.35            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | 17.79                         | 18.11 | 20.96 | 30.00                       |      | 1.50     |      | 22.46            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | 13.72                         | 14.19 | 16.97 | 30.00                       |      | 1.50     |      | 18.47            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | 15.58                         | 16.17 | 18.90 | 30.00                       |      | 1.50     |      | 20.40            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | 16.35                         | 16.78 | 19.58 | 30.00                       |      | 1.50     |      | 21.08            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | 14.98                         | 15.82 | 18.43 | 30.00                       |      | 1.50     |      | 19.93            |      | 36.00                  |      | Pass       |

Note: Measured power (dBm) has offset with cable loss.

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

| 2.4GHz Band MIMO |           |                 |     |             |           |                     |        |              |          |      |                           |      |           |
|------------------|-----------|-----------------|-----|-------------|-----------|---------------------|--------|--------------|----------|------|---------------------------|------|-----------|
| Mod.             | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Peak PSD (dBm/3kHz) |        |              | DG (dBi) |      | Peak PSD Limit (dBm/3kHz) |      | Pass/Fail |
|                  |           |                 |     |             |           | Ant1                | Ant2   | Worse + 3.01 | Ant1     | Ant2 | Ant1                      | Ant2 |           |
| HE20             | MCS0      | 2               | 1   | 2412        | Full      | -18.16              | -17.63 | -14.62       | 1.50     |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | -15.76              | -15.15 | -12.14       | 1.50     |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | -20.10              | -19.94 | -16.93       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | -19.05              | -18.84 | -15.83       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | -18.93              | -18.68 | -15.67       | 1.50     |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | -20.12              | -19.41 | -16.40       | 1.50     |      | 8.00                      |      | Pass      |



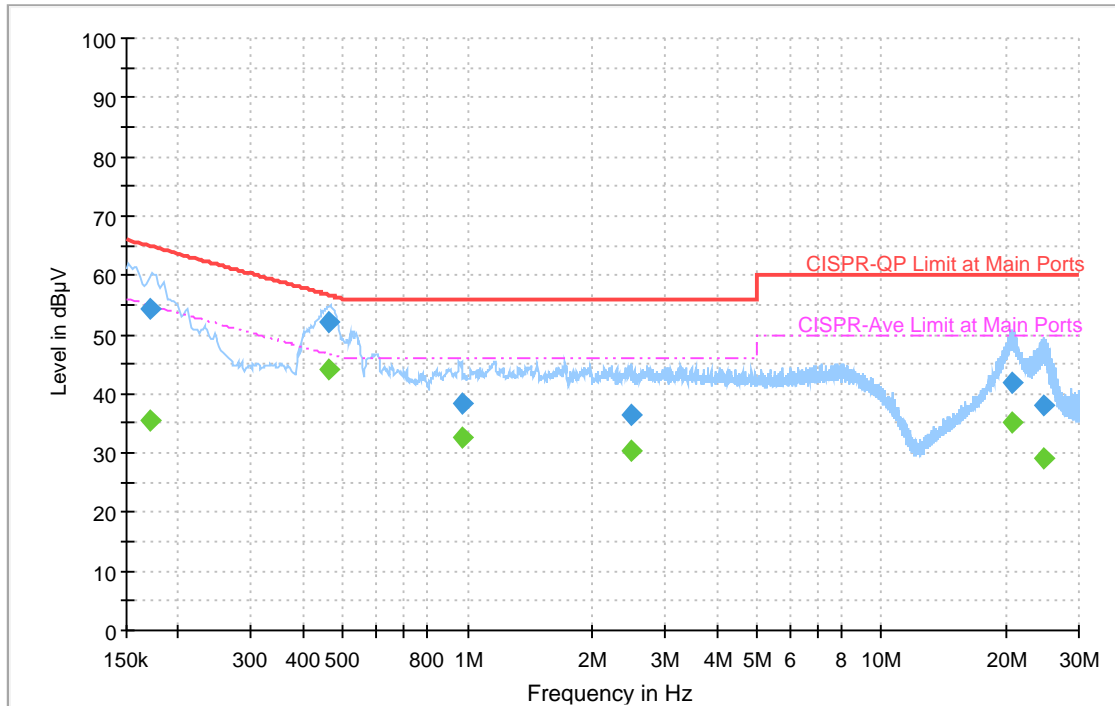
## Appendix B. AC Conducted Emission Test Results

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Engineer : | JC Liang | Temperature :       | 24~26°C |
|                 |          | Relative Humidity : | 22~25%  |

# EUT Information

Site: CO01-CA  
 Project: 200117001  
 Power: 120Vac/60Hz  
 Mode: 1

Full Spectrum



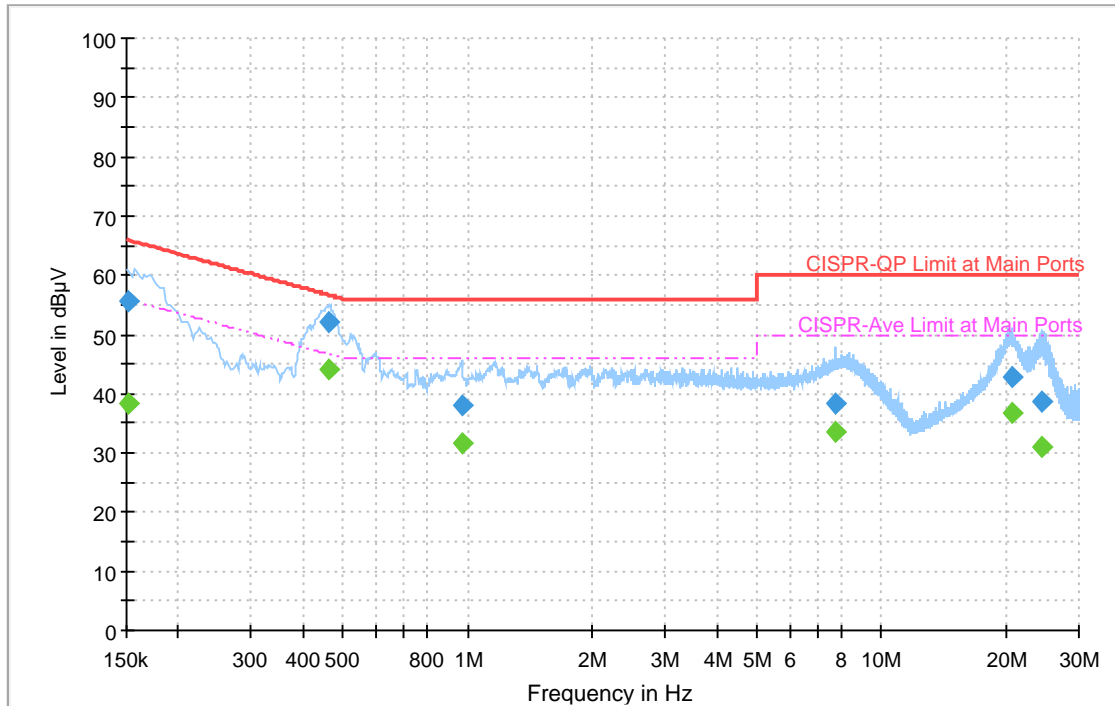
## Final Result

| Frequency (MHz) | QuasiPeak (dBµV) | CAverage (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.170250        | ---              | 35.62           | 54.95        | 19.33       | L1   | OFF    | 20.3       |
| 0.170250        | 54.31            | ---             | 64.95        | 10.64       | L1   | OFF    | 20.3       |
| 0.460500        | ---              | 44.12           | 46.68        | 2.56        | L1   | OFF    | 20.4       |
| 0.460500        | 51.95            | ---             | 56.68        | 4.73        | L1   | OFF    | 20.4       |
| 0.971250        | ---              | 32.49           | 46.00        | 13.51       | L1   | OFF    | 20.4       |
| 0.971250        | 38.47            | ---             | 56.00        | 17.53       | L1   | OFF    | 20.4       |
| 2.484330        | ---              | 30.21           | 46.00        | 15.79       | L1   | OFF    | 20.4       |
| 2.484330        | 36.36            | ---             | 56.00        | 19.64       | L1   | OFF    | 20.4       |
| 20.640750       | ---              | 35.14           | 50.00        | 14.86       | L1   | OFF    | 20.7       |
| 20.640750       | 41.76            | ---             | 60.00        | 18.24       | L1   | OFF    | 20.7       |
| 24.702000       | ---              | 29.18           | 50.00        | 20.82       | L1   | OFF    | 20.8       |
| 24.702000       | 37.87            | ---             | 60.00        | 22.13       | L1   | OFF    | 20.8       |

# EUT Information

Site: CO01-CA  
 Project: 200117001  
 Power: 120Vac/60Hz  
 Mode: 1

Full Spectrum



## Final Result

| Frequency (MHz) | QuasiPeak (dBµV) | CAverage (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 38.43           | 55.88        | 17.45       | N    | OFF    | 20.3       |
| 0.152250        | 55.63            | ---             | 65.88        | 10.25       | N    | OFF    | 20.3       |
| 0.460500        | ---              | 44.20           | 46.68        | 2.48        | N    | OFF    | 20.4       |
| 0.460500        | 51.93            | ---             | 56.68        | 4.75        | N    | OFF    | 20.4       |
| 0.971250        | ---              | 31.73           | 46.00        | 14.27       | N    | OFF    | 20.4       |
| 0.971250        | 37.90            | ---             | 56.00        | 18.10       | N    | OFF    | 20.4       |
| 7.741500        | ---              | 33.48           | 50.00        | 16.52       | N    | OFF    | 20.5       |
| 7.741500        | 38.49            | ---             | 60.00        | 21.51       | N    | OFF    | 20.5       |
| 20.715000       | ---              | 36.76           | 50.00        | 13.24       | N    | OFF    | 20.7       |
| 20.715000       | 42.79            | ---             | 60.00        | 17.21       | N    | OFF    | 20.7       |
| 24.384750       | ---              | 30.98           | 50.00        | 19.02       | N    | OFF    | 20.8       |
| 24.384750       | 38.52            | ---             | 60.00        | 21.48       | N    | OFF    | 20.8       |





### Appendix C. Radiated Spurious Emission

|                 |                                    |                     |         |
|-----------------|------------------------------------|---------------------|---------|
| Test Engineer : | Calvin Wu, Leo Luo, and Jacky Hong | Temperature :       | 19~22°C |
|                 |                                    | Relative Humidity : | 36 ~45% |

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

| WIFI Ant.                   | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11b<br>CH 01<br>2412MHz |      | 2384.97           | 55.82            | -18.18            | 74                    | 42.05               | 27.62                   | 17.32            | 31.17                | 292            | 202               | P                 | H            |
|                             |      | 2390              | 44.5             | -9.5              | 54                    | 30.74               | 27.6                    | 17.33            | 31.17                | 292            | 202               | A                 | H            |
|                             | *    | 2412              | 115.5            | -                 | -                     | 101.78              | 27.52                   | 17.36            | 31.16                | 292            | 202               | P                 | H            |
|                             | *    | 2412              | 112.95           | -                 | -                     | 99.23               | 27.52                   | 17.36            | 31.16                | 292            | 202               | A                 | H            |
|                             |      | 2389.065          | 55.24            | -18.76            | 74                    | 41.42               | 27.67                   | 17.32            | 31.17                | 225            | 140               | P                 | V            |
|                             |      | 2390              | 45.03            | -8.97             | 54                    | 31.21               | 27.66                   | 17.33            | 31.17                | 225            | 140               | A                 | V            |
|                             | *    | 2412              | 116.85           | -                 | -                     | 103.12              | 27.53                   | 17.36            | 31.16                | 225            | 140               | P                 | V            |
|                             | *    | 2412              | 114.3            | -                 | -                     | 100.57              | 27.53                   | 17.36            | 31.16                | 225            | 140               | A                 | V            |
| 802.11b<br>CH 06<br>2437MHz |      | 2313.04           | 55.44            | -18.56            | 74                    | 41.44               | 28                      | 17.21            | 31.21                | 322            | 198               | P                 | H            |
|                             |      | 2389.68           | 43.99            | -10.01            | 54                    | 30.24               | 27.6                    | 17.32            | 31.17                | 322            | 198               | A                 | H            |
|                             | *    | 2437              | 114.85           | -                 | -                     | 101.11              | 27.48                   | 17.4             | 31.14                | 322            | 198               | P                 | H            |
|                             | *    | 2437              | 112.29           | -                 | -                     | 98.55               | 27.48                   | 17.4             | 31.14                | 322            | 198               | A                 | H            |
|                             |      | 2489.04           | 55.11            | -18.89            | 74                    | 41.22               | 27.52                   | 17.49            | 31.12                | 322            | 198               | P                 | H            |
|                             |      | 2484.64           | 44.52            | -9.48             | 54                    | 30.64               | 27.52                   | 17.48            | 31.12                | 322            | 198               | A                 | H            |
|                             |      | 2381.84           | 55.16            | -18.84            | 74                    | 41.29               | 27.73                   | 17.31            | 31.17                | 221            | 136               | P                 | V            |
|                             |      | 2346.16           | 44.19            | -9.81             | 54                    | 30.12               | 28                      | 17.26            | 31.19                | 221            | 136               | A                 | V            |
|                             | *    | 2437              | 115.9            | -                 | -                     | 102.2               | 27.44                   | 17.4             | 31.14                | 221            | 136               | P                 | V            |
|                             | *    | 2437              | 113.35           | -                 | -                     | 99.65               | 27.44                   | 17.4             | 31.14                | 221            | 136               | A                 | V            |
|                             |      | 2490.4            | 55.67            | -18.33            | 74                    | 41.8                | 27.5                    | 17.49            | 31.12                | 221            | 136               | P                 | V            |
|                             |      | 2484.56           | 44.85            | -9.15             | 54                    | 31                  | 27.49                   | 17.48            | 31.12                | 221            | 136               | A                 | V            |



|  |   |         |        |        |    |        |       |       |       |     |     |   |   |
|--|---|---------|--------|--------|----|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11b</b><br><br><b>CH 11</b><br><br><b>2462MHz</b> | *   | 2462    | 114.69 | -      | -  | 100.9  | 27.48 | 17.44 | 31.13 | 318 | 193 | P | H |
|  | *   | 2462    | 112.19 | -      | -  | 98.4   | 27.48 | 17.44 | 31.13 | 318 | 193 | A | H |
|  |   | 2483.52 | 56.4   | -17.6  | 74 | 42.53  | 27.51 | 17.48 | 31.12 | 318 | 193 | P | H |
|  |   | 2483.52 | 45.49  | -8.51  | 54 | 31.62  | 27.51 | 17.48 | 31.12 | 318 | 193 | A | H |
|  |   |         |        |        |    |        |       |       |       |     |     |   | H |
|  |   |         |        |        |    |        |       |       |       |     |     |   | H |
|  | *   | 2462    | 116.39 | -      | -  | 102.66 | 27.42 | 17.44 | 31.13 | 246 | 132 | P | V |
|  | *   | 2462    | 113.92 | -      | -  | 100.19 | 27.42 | 17.44 | 31.13 | 246 | 132 | A | V |
|  |   | 2491.2  | 56.38  | -17.62 | 74 | 42.49  | 27.51 | 17.49 | 31.11 | 246 | 132 | P | V |
|  |   | 2483.52 | 46.07  | -7.93  | 54 | 32.23  | 27.48 | 17.48 | 31.12 | 246 | 132 | A | V |
|  |   |         |        |        |    |        |       |       |       |     |     |   | V |
|  |   |         |        |        |    |        |       |       |       |     |     |   | V |
| <b>Remark</b>  | 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 Ant. 1+2               | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|-----------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11b<br>CH 01<br>2412MHz |  | 4824              | 44.93            | -29.07            | 74                    | 58.23               | 31.36                   | 11.81            | 56.47                | 100            | 0                 | P               | H          |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|                             |  |                   | 4824             | 42.88             | -31.12                | 74                  | 56.17                   | 31.37            | 11.81                | 56.47          | 100               | 0               | P          | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            | V |
| 802.11b<br>CH 06<br>2437MHz |  | 4874              | 40.47            | -33.53            | 74                    | 53.93               | 31.31                   | 11.68            | 56.45                | 100            | 0                 | P               | H          |   |
|                             |  | 7311              | 45.55            | -28.45            | 74                    | 51.69               | 36.36                   | 14.13            | 56.63                | 100            | 0                 | P               | H          |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|                             |  |                   | 4874             | 39.52             | -34.48                | 74                  | 53.03                   | 31.26            | 11.68                | 56.45          | 100               | 0               | P          | V |
|                             |  |                   | 7311             | 44.72             | -29.28                | 74                  | 50.87                   | 36.35            | 14.13                | 56.63          | 100               | 0               | P          | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            | V |
| 802.11b<br>CH 11<br>2462MHz |  | 4924              | 45.37            | -28.63            | 74                    | 58.92               | 31.34                   | 11.54            | 56.43                | 100            | 0                 | P               | H          |   |
|                             |  | 7386              | 44               | -30               | 74                    | 49.95               | 36.39                   | 14.2             | 56.54                | 100            | 0                 | P               | H          |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|                             |  |                   | 4924             | 40.76             | -33.24                | 74                  | 54.35                   | 31.3             | 11.54                | 56.43          | 100               | 0               | P          | V |
|                             |  |                   | 7386             | 44.55             | -29.45                | 74                  | 50.53                   | 36.36            | 14.2                 | 56.54          | 100               | 0               | P          | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            | V |
| Remark                      | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            |   |
|                             | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            |   |



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

| WIFI Ant. 1+2               | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11g<br>CH 01<br>2412MHz |      | 2390              | 63.65            | -10.35            | 74                    | 49.89               | 27.6                    | 17.33            | 31.17                | 378            | 202               | P                 | H            |   |
|                             |      | 2390              | 52.98            | -1.02             | 54                    | 39.22               | 27.6                    | 17.33            | 31.17                | 378            | 202               | A                 | H            |   |
|                             | *    | 2412              | 117.28           | -                 | -                     | 103.56              | 27.52                   | 17.36            | 31.16                | 378            | 202               | P                 | H            |   |
|                             | *    | 2412              | 109.67           | -                 | -                     | 95.95               | 27.52                   | 17.36            | 31.16                | 378            | 202               | A                 | H            |   |
|                             |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|                             |      |                   | 2390             | 64.44             | -9.56                 | 74                  | 50.62                   | 27.66            | 17.33                | 31.17          | 287               | 137               | P            | V |
|                             |      |                   | 2390             | 53.8              | -0.2                  | 54                  | 39.98                   | 27.66            | 17.33                | 31.17          | 287               | 137               | A            | V |
|                             | *    |                   | 2412             | 117.69            | -                     | -                   | 103.96                  | 27.53            | 17.36                | 31.16          | 287               | 137               | P            | V |
|                             | *    |                   | 2412             | 110.47            | -                     | -                   | 96.74                   | 27.53            | 17.36                | 31.16          | 287               | 137               | A            | V |
|                             |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
|                             |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11g<br>CH 06<br>2437MHz |      | 2338.8            | 54.87            | -19.13            | 74                    | 40.95               | 27.87                   | 17.25            | 31.2                 | 323            | 206               | P                 | H            |   |
|                             |      | 2385.36           | 45.02            | -8.98             | 54                    | 31.25               | 27.62                   | 17.32            | 31.17                | 323            | 206               | A                 | H            |   |
|                             | *    | 2437              | 115.69           | -                 | -                     | 101.95              | 27.48                   | 17.4             | 31.14                | 323            | 206               | P                 | H            |   |
|                             | *    | 2437              | 108.63           | -                 | -                     | 94.89               | 27.48                   | 17.4             | 31.14                | 323            | 206               | A                 | H            |   |
|                             |      |                   | 2483.92          | 54.97             | -19.03                | 74                  | 41.1                    | 27.51            | 17.48                | 31.12          | 323               | 206               | P            | H |
|                             |      |                   | 2483.68          | 45.42             | -8.58                 | 54                  | 31.55                   | 27.51            | 17.48                | 31.12          | 323               | 206               | A            | H |
|                             |      |                   | 2335.44          | 55.6              | -18.4                 | 74                  | 41.57                   | 27.99            | 17.24                | 31.2           | 281               | 134               | P            | V |
|                             |      |                   | 2341.04          | 45.1              | -8.9                  | 54                  | 31.05                   | 28               | 17.25                | 31.2           | 281               | 134               | A            | V |
|                             | *    |                   | 2437             | 116.74            | -                     | -                   | 103.04                  | 27.44            | 17.4                 | 31.14          | 281               | 134               | P            | V |
|                             | *    |                   | 2437             | 109.45            | -                     | -                   | 95.75                   | 27.44            | 17.4                 | 31.14          | 281               | 134               | A            | V |
|                             |      |                   | 2483.6           | 57.11             | -16.89                | 74                  | 43.27                   | 27.48            | 17.48                | 31.12          | 281               | 134               | P            | V |
|                             |      |                   | 2485.28          | 45.88             | -8.12                 | 54                  | 32.03                   | 27.49            | 17.48                | 31.12          | 281               | 134               | A            | V |



|                                      |   |         |        |        |    |        |       |       |       |     |     |   |   |
|--------------------------------------|---|---------|--------|--------|----|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11g<br/>CH 11<br/>2462MHz</b> | *   | 2462    | 113.9  | -      | -  | 100.11 | 27.48 | 17.44 | 31.13 | 366 | 201 | P | H |
|                                      | *   | 2462    | 106.52 | -      | -  | 92.73  | 27.48 | 17.44 | 31.13 | 366 | 201 | A | H |
|                                      |   | 2483.52 | 60.94  | -13.06 | 74 | 47.07  | 27.51 | 17.48 | 31.12 | 366 | 201 | P | H |
|                                      |   | 2483.84 | 50.76  | -3.24  | 54 | 36.89  | 27.51 | 17.48 | 31.12 | 366 | 201 | A | H |
|                                      |   |         |        |        |    |        |       |       |       |     |     |   | H |
|                                      |   |         |        |        |    |        |       |       |       |     |     |   | H |
|                                      | *   | 2462    | 115.62 | -      | -  | 101.89 | 27.42 | 17.44 | 31.13 | 298 | 218 | P | V |
|                                      | *   | 2462    | 108.43 | -      | -  | 94.7   | 27.42 | 17.44 | 31.13 | 298 | 218 | A | V |
|                                      |   | 2487.84 | 60.02  | -13.98 | 74 | 46.16  | 27.5  | 17.48 | 31.12 | 298 | 218 | P | V |
|                                      |   | 2485.64 | 48.87  | -5.13  | 54 | 35.02  | 27.49 | 17.48 | 31.12 | 298 | 218 | A | V |
|                                      |   |         |        |        |    |        |       |       |       |     |     |   | V |
|                                      |   |         |        |        |    |        |       |       |       |     |     |   | V |
| <b>Remark</b>                        | 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 Ant. 1+2               | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11g<br>CH 01<br>2412MHz |  | 4824              | 40.76            | -33.24            | 74                    | 54.06               | 31.36                   | 11.81            | 56.47                | -              | -                 | P                 | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  | 4824              | 39.64            | -34.36            | 74                    | 52.93               | 31.37                   | 11.81            | 56.47                | -              | -                 | P                 | V            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11g<br>CH 06<br>2437MHz |  | 4874              | 39.54            | -34.46            | 74                    | 53                  | 31.31                   | 11.68            | 56.45                | 100            | 0                 | P                 | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  | 4874              | 39.56            | -34.44            | 74                    | 53.07               | 31.26                   | 11.68            | 56.45                | 100            | 0                 | P                 | V            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11g<br>CH 11<br>2462MHz |  | 4924              | 41.15            | -32.85            | 74                    | 54.7                | 31.34                   | 11.54            | 56.43                | 100            | 0                 | P                 | H            |
|                             |  | 7386              | 44.86            | -29.14            | 74                    | 50.81               | 36.39                   | 14.2             | 56.54                | 100            | 0                 | P                 | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|                             |  | 4924              | 39.26            | -34.74            | 74                    | 52.85               | 31.3                    | 11.54            | 56.43                | 100            | 0                 | P                 | V            |
|                             |  | 7386              | 44.2             | -29.8             | 74                    | 50.18               | 36.36                   | 14.2             | 56.54                | 100            | 0                 | P                 | V            |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| Remark                      | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |
|                             | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Band Edge @ 3m)

| WIFI Ant. 1+2                             | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|---|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |      | 2390              | 57.63            | -16.37            | 74                    | 43.87               | 27.6                    | 17.33            | 31.17                | 247            | 302               | P                 | H            |   |
|   |      | 2390              | 48.38            | -5.62             | 54                    | 34.62               | 27.6                    | 17.33            | 31.17                | 247            | 302               | A                 | H            |   |
|   | *    | 2412              | 113.75           | -                 | -                     | 100.03              | 27.52                   | 17.36            | 31.16                | 247            | 302               | P                 | H            |   |
|   | *    | 2412              | 104.57           | -                 | -                     | 90.85               | 27.52                   | 17.36            | 31.16                | 247            | 302               | A                 | H            |   |
|   |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|   |      |                   | 2390             | 60.48             | -13.52                | 74                  | 46.66                   | 27.66            | 17.33                | 31.17          | 256               | 139               | P            | V |
|   |      |                   | 2390             | 51.04             | -2.96                 | 54                  | 37.22                   | 27.66            | 17.33                | 31.17          | 256               | 139               | A            | V |
|   |      | *                 | 2412             | 116.41            | -                     | -                   | 102.68                  | 27.53            | 17.36                | 31.16          | 256               | 139               | P            | V |
|   |      | *                 | 2412             | 108.19            | -                     | -                   | 94.46                   | 27.53            | 17.36                | 31.16          | 256               | 139               | A            | V |
|   |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|   |      |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |      | 2363.2            | 55.47            | -18.53            | 74                    | 41.62               | 27.75                   | 17.28            | 31.18                | 298            | 9                 | P                 | H            |   |
|   |      | 2389.94           | 44.9             | -9.1              | 54                    | 31.15               | 27.6                    | 17.32            | 31.17                | 298            | 9                 | A                 | H            |   |
|   |      | *                 | 2437             | 119.63            | -                     | -                   | 105.89                  | 27.48            | 17.4                 | 31.14          | 298               | 9                 | P            | H |
|   |      | *                 | 2437             | 109.89            | -                     | -                   | 96.15                   | 27.48            | 17.4                 | 31.14          | 298               | 9                 | A            | H |
|   |      |                   | 2491.68          | 55.82             | -18.18                | 74                  | 41.91                   | 27.53            | 17.49                | 31.11          | 298               | 9                 | P            | H |
|   |      |                   | 2483.6           | 46.27             | -7.73                 | 54                  | 32.4                    | 27.51            | 17.48                | 31.12          | 298               | 9                 | A            | H |
|   |      |                   | 2322.32          | 55.6              | -18.4                 | 74                  | 41.6                    | 27.99            | 17.22                | 31.21          | 100               | 69                | P            | V |
|   |      |                   | 2389.8           | 44.8              | -9.2                  | 54                  | 30.98                   | 27.67            | 17.32                | 31.17          | 100               | 69                | A            | V |
|   |      | *                 | 2437             | 115.65            | -                     | -                   | 101.95                  | 27.44            | 17.4                 | 31.14          | 100               | 69                | P            | V |
|   |      | *                 | 2437             | 106.79            | -                     | -                   | 93.09                   | 27.44            | 17.4                 | 31.14          | 100               | 69                | A            | V |
|   |      | 2498.08           | 55.73            | -18.27            | 74                    | 41.82               | 27.52                   | 17.5             | 31.11                | 100            | 69                | P                 | V            |   |
|   |      | 2483.6            | 45.24            | -8.76             | 54                    | 31.4                | 27.48                   | 17.48            | 31.12                | 100            | 69                | A                 | V            |   |



| WIFI Ant. 1+2                              | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |   |
|--|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 8802.11ax<br>HE20 Full<br>CH 11<br>2462MHz | *   | 2462              | 113.27           | -                 | -                     | 99.48               | 27.48                   | 17.44            | 31.13                | 397            | 137               | P               | H          |   |
|  | *   | 2462              | 105.59           | -                 | -                     | 91.8                | 27.48                   | 17.44            | 31.13                | 397            | 137               | A               | H          |   |
|  |   | 2486.6            | 60.28            | -13.72            | 74                    | 46.4                | 27.52                   | 17.48            | 31.12                | 397            | 137               | P               | H          |   |
|  |   | 2486.12           | 49.11            | -4.89             | 54                    | 35.23               | 27.52                   | 17.48            | 31.12                | 397            | 137               | A               | H          |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | H          |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            | H |
|  | *   | 2458              | 116.26           | -                 | -                     | 102.54              | 27.41                   | 17.44            | 31.13                | 301            | 216               | P               | V          |   |
|  | *   | 2460              | 108.48           | -                 | -                     | 94.75               | 27.42                   | 17.44            | 31.13                | 301            | 216               | A               | V          |   |
|  |   | 2485.48           | 62.61            | -11.39            | 74                    | 48.76               | 27.49                   | 17.48            | 31.12                | 301            | 216               | P               | V          |   |
|  |   | 2485.92           | 52.59            | -1.41             | 54                    | 38.74               | 27.49                   | 17.48            | 31.12                | 301            | 216               | A               | V          |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | V          |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 | V          |   |
| <b>Remark</b>                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                 |            |   |





2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

| WIFI Ant. 1+2                             | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|---|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |  | 4824              | 39.38            | -34.62            | 74                    | 52.68               | 31.36                   | 11.81            | 56.47                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 4824             | 39.77             | -34.23                | 74                  | 53.06                   | 31.37            | 11.81                | 56.47          | 100               | 0                 | P            | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |  | 4874              | 39.5             | -34.5             | 74                    | 52.96               | 31.31                   | 11.68            | 56.45                | 100            | 0                 | P                 | H            |   |
|   |  | 7311              | 43.82            | -30.18            | 74                    | 49.96               | 36.36                   | 14.13            | 56.63                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 4874             | 39.01             | -34.99                | 74                  | 52.52                   | 31.26            | 11.68                | 56.45          | 100               | 0                 | P            | V |
|   |  |                   | 7311             | 43.82             | -30.18                | 74                  | 49.97                   | 36.35            | 14.13                | 56.63          | 100               | 0                 | P            | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax<br>HE20 Full<br>CH 11<br>2462MHz |  | 4924              | 37.87            | -36.13            | 74                    | 51.42               | 31.34                   | 11.54            | 56.43                | 100            | 0                 | P                 | H            |   |
|   |  | 7386              | 43.86            | -30.14            | 74                    | 49.81               | 36.39                   | 14.2             | 56.54                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 4924             | 37.45             | -36.55                | 74                  | 51.04                   | 31.3             | 11.54                | 56.43          | 100               | 0                 | P            | V |
|   |  |                   | 7386             | 42.96             | -31.04                | 74                  | 48.94                   | 36.36            | 14.2                 | 56.54          | 100               | 0                 | P            | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| Remark                                    | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |
|   | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |   |



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Band Edge @ 3m)

| WIFI Ant. 1+2                             | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|---|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax<br>HE40 Full<br>CH 03<br>2422MHz |      | 2389.8            | 59.2             | -14.8             | 74                    | 45.45               | 27.6                    | 17.32            | 31.17                | 114            | 296               | P                 | H            |
|   |      | 2389.94           | 50.11            | -3.89             | 54                    | 36.36               | 27.6                    | 17.32            | 31.17                | 114            | 296               | A                 | H            |
|   | *    | 2422              | 109.88           | -                 | -                     | 96.15               | 27.5                    | 17.38            | 31.15                | 114            | 296               | P                 | H            |
|   | *    | 2422              | 101.16           | -                 | -                     | 87.43               | 27.5                    | 17.38            | 31.15                | 114            | 296               | A                 | H            |
|   |      | 2499.28           | 55.03            | -18.97            | 74                    | 41.1                | 27.54                   | 17.5             | 31.11                | 114            | 296               | P                 | H            |
|   |      | 2484.32           | 45.52            | -8.48             | 54                    | 31.65               | 27.51                   | 17.48            | 31.12                | 114            | 296               | A                 | H            |
|   |      | 2389.94           | 64.8             | -9.2              | 74                    | 50.99               | 27.66                   | 17.32            | 31.17                | 300            | 217               | P                 | V            |
|   |      | 2389.94           | 52.32            | -1.68             | 54                    | 38.51               | 27.66                   | 17.32            | 31.17                | 300            | 217               | A                 | V            |
|   | *    | 2422              | 113.68           | -                 | -                     | 99.95               | 27.5                    | 17.38            | 31.15                | 300            | 217               | P                 | V            |
|   | *    | 2422              | 105.99           | -                 | -                     | 92.26               | 27.5                    | 17.38            | 31.15                | 300            | 217               | A                 | V            |
|   |      | 2488.64           | 56.43            | -17.57            | 74                    | 42.56               | 27.5                    | 17.49            | 31.12                | 300            | 217               | P                 | V            |
|   |      | 2485.92           | 46.49            | -7.51             | 54                    | 32.64               | 27.49                   | 17.48            | 31.12                | 300            | 217               | A                 | V            |
| 802.11ax<br>HE40 Full<br>CH 06<br>2437MHz |      | 2316.86           | 56.17            | -17.83            | 74                    | 42.18               | 27.98                   | 17.22            | 31.21                | 383            | 284               | P                 | H            |
|   |      | 2389.66           | 45.16            | -8.84             | 54                    | 31.41               | 27.6                    | 17.32            | 31.17                | 383            | 284               | A                 | H            |
|   | *    | 2437              | 110.33           | -                 | -                     | 96.59               | 27.48                   | 17.4             | 31.14                | 383            | 284               | P                 | H            |
|   | *    | 2437              | 102.34           | -                 | -                     | 88.6                | 27.48                   | 17.4             | 31.14                | 383            | 284               | A                 | H            |
|   |      | 2483.68           | 56.1             | -17.9             | 74                    | 42.23               | 27.51                   | 17.48            | 31.12                | 383            | 284               | P                 | H            |
|   |      | 2483.52           | 46.37            | -7.63             | 54                    | 32.5                | 27.51                   | 17.48            | 31.12                | 383            | 284               | A                 | H            |
|   |      | 2389.24           | 56.23            | -17.77            | 74                    | 42.41               | 27.67                   | 17.32            | 31.17                | 169            | 210               | P                 | V            |
|   |      | 2389.94           | 46.32            | -7.68             | 54                    | 32.51               | 27.66                   | 17.32            | 31.17                | 169            | 210               | A                 | V            |
|   | *    | 2437              | 111.28           | -                 | -                     | 97.58               | 27.44                   | 17.4             | 31.14                | 169            | 210               | P                 | V            |
|   | *    | 2437              | 102.14           | -                 | -                     | 88.44               | 27.44                   | 17.4             | 31.14                | 169            | 210               | A                 | V            |
|   |      | 2484.4            | 62.97            | -11.03            | 74                    | 49.12               | 27.49                   | 17.48            | 31.12                | 169            | 210               | P                 | V            |
|   |      | 2483.76           | 53.36            | -0.64             | 54                    | 39.52               | 27.48                   | 17.48            | 31.12                | 169            | 210               | A                 | V            |



| WiFi Ant. 1+2                             | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|---|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax<br>HE40 Full<br>CH 09<br>2452MHz |   | 2342.34           | 55.44            | -18.56            | 74                    | 41.53               | 27.86                   | 17.25            | 31.2                 | 360            | 132               | P                 | H            |
|   |   | 2310.84           | 44.87            | -9.13             | 54                    | 30.86               | 28.01                   | 17.21            | 31.21                | 360            | 132               | A                 | H            |
|   | *   | 2452              | 108.93           | -                 | -                     | 95.18               | 27.46                   | 17.43            | 31.14                | 360            | 132               | P                 | H            |
|   | *   | 2452              | 100.13           | -                 | -                     | 86.38               | 27.46                   | 17.43            | 31.14                | 360            | 132               | A                 | H            |
|   |   | 2483.92           | 57.98            | -16.02            | 74                    | 44.11               | 27.51                   | 17.48            | 31.12                | 360            | 132               | P                 | H            |
|   |   | 2483.52           | 48.22            | -5.78             | 54                    | 34.35               | 27.51                   | 17.48            | 31.12                | 360            | 132               | A                 | H            |
|   |   | 2349.2            | 55.96            | -18.04            | 74                    | 41.89               | 28                      | 17.26            | 31.19                | 278            | 136               | P                 | V            |
|   |   | 2349.9            | 45.06            | -8.94             | 54                    | 30.99               | 28                      | 17.26            | 31.19                | 278            | 136               | A                 | V            |
|   | *   | 2452              | 109.65           | -                 | -                     | 95.96               | 27.4                    | 17.43            | 31.14                | 278            | 136               | P                 | V            |
|   | *   | 2452              | 101.55           | -                 | -                     | 87.86               | 27.4                    | 17.43            | 31.14                | 278            | 136               | A                 | V            |
|   |   | 2483.52           | 63.41            | -10.59            | 74                    | 49.57               | 27.48                   | 17.48            | 31.12                | 278            | 136               | P                 | V            |
|   |   | 2483.52           | 53.65            | -0.35             | 54                    | 39.81               | 27.48                   | 17.48            | 31.12                | 278            | 136               | A                 | V            |
| <b>Remark</b>                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

| WIFI Ant. 1+2                             | Note   | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|---|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax<br>HE40 Full<br>CH 03<br>2422MHz |  | 4844              | 39.37            | -34.63            | 74                    | 52.74               | 31.33                   | 11.76            | 56.46                | 100            | 0                 | P                 | H            |
|   |  | 7266              | 44.85            | -29.15            | 74                    | 51.08               | 36.36                   | 14.09            | 56.68                | 100            | 0                 | P                 | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  | 4844              | 39.09            | -34.91            | 74                    | 52.47               | 31.32                   | 11.76            | 56.46                | 100            | 0                 | P                 | V            |
|   |  | 7266              | 45.35            | -28.65            | 74                    | 51.6                | 36.34                   | 14.09            | 56.68                | 100            | 0                 | P                 | V            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11ax<br>HE40 Full<br>CH 06<br>2437MHz |  | 4874              | 39.31            | -34.69            | 74                    | 52.77               | 31.31                   | 11.68            | 56.45                | 100            | 0                 | P                 | H            |
|   |  | 7311              | 43.88            | -30.12            | 74                    | 50.02               | 36.36                   | 14.13            | 56.63                | 100            | 0                 | P                 | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  | 4874              | 38.69            | -35.31            | 74                    | 52.2                | 31.26                   | 11.68            | 56.45                | 100            | 0                 | P                 | V            |
|   |  | 7311              | 44.99            | -29.01            | 74                    | 51.14               | 36.35                   | 14.13            | 56.63                | 100            | 0                 | P                 | V            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11ax<br>HE40 Full<br>CH 09<br>2452MHz |  | 4904              | 38.8             | -35.2             | 74                    | 52.34               | 31.31                   | 11.59            | 56.44                | 100            | 0                 | P                 | H            |
|   |  | 7356              | 44.51            | -29.49            | 74                    | 50.57               | 36.34                   | 14.17            | 56.57                | 100            | 0                 | P                 | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  | 4904              | 38.1             | -35.9             | 74                    | 51.72               | 31.23                   | 11.59            | 56.44                | 100            | 0                 | P                 | V            |
|   |  | 7356              | 43.87            | -30.13            | 74                    | 49.96               | 36.31                   | 14.17            | 56.57                | 100            | 0                 | P                 | V            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| Remark                                    | 1. No other spurious found.                                  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |
|   | 2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |



Emission below 1GHz  
2.4GHz WIFI 802.11g (LF)

| WIFI                    | Note   | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |   |
|-------------------------|--|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|---|
| Ant.                    |  |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |   |
| 1+2                     |  | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |   |
| 2.4GHz<br>802.11g<br>LF |  | 30        | 21.73      | -18.27 | 40         | 28.58    | 24.7     | 0.93   | 32.48  | -      | -       | P       | H       |   |
|                         |  | 104.69    | 22.28      | -21.22 | 43.5       | 36.44    | 16.57    | 1.69   | 32.42  | -      | -       | P       | H       |   |
|                         |  | 130.88    | 25.16      | -18.34 | 43.5       | 37.97    | 17.7     | 1.92   | 32.43  | -      | -       | P       | H       |   |
|                         |  | 517.91    | 24.4       | -21.6  | 46         | 29.33    | 24       | 3.63   | 32.56  | -      | -       | P       | H       |   |
|                         |  | 859.35    | 31.18      | -14.82 | 46         | 29.01    | 29.2     | 4.86   | 31.89  | -      | -       | P       | H       |   |
|                         |  | 941.8     | 33         | -13    | 46         | 28.7     | 30.57    | 5      | 31.27  | 100    | 0       | P       | H       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                         |  |           | 30         | 26.74  | -13.26     | 40       | 33.59    | 24.7   | 0.93   | 32.48  | -       | -       | P       | V |
|                         |  |           | 57.16      | 27.7   | -12.3      | 40       | 46.72    | 11.88  | 1.54   | 32.44  | 100     | 0       | P       | V |
|                         |  |           | 123.12     | 28.17  | -15.33     | 43.5     | 41.19    | 17.6   | 1.8    | 32.42  | -       | -       | P       | V |
|                         |  |           | 333.61     | 22.78  | -23.22     | 46       | 32.47    | 19.87  | 2.87   | 32.43  | -       | -       | P       | V |
|                         |  |           | 796.3      | 30.11  | -15.89     | 46       | 29.62    | 28.1   | 4.6    | 32.21  | -       | -       | P       | V |
|                         |  |           | 942.77     | 33.27  | -12.73     | 46       | 28.92    | 30.61  | 5      | 31.26  | -       | -       | P       | V |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | V |
|                         |  |           |            |        |            |          |          |        |        |        |         |         |         | V |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                         |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |   |



<Band-edge Unmodulated>

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Band Edge @ 3m)

| WIFI Ant.                                  | Note  | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |   |
|--|---|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|---|
| 1+2  |   | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |   |
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz  |   | 2389.695  | 69.7       | -4.3       | 74         | 55.95      | 27.6           | 17.32     | 31.17         | 334     | 180       | P         | H       |   |
|  |   | 2390      | 53.61      | -0.39      | 54         | 39.85      | 27.6           | 17.33     | 31.17         | 334     | 180       | A         | H       |   |
|  | *   | 2412      | 118.09     | -          | -          | 104.37     | 27.52          | 17.36     | 31.16         | 334     | 180       | P         | H       |   |
|  | *   | 2412      | 109.21     | -          | -          | 95.49      | 27.52          | 17.36     | 31.16         | 334     | 180       | A         | H       |   |
|  |   |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|  |   |           | 2387.07    | 68.6       | -5.4       | 74         | 54.76          | 27.69     | 17.32         | 31.17   | 264       | 136       | P       | V |
|  |   |           | 2390       | 53.62      | -0.38      | 54         | 39.8           | 27.66     | 17.33         | 31.17   | 264       | 136       | A       | V |
|  | *   |           | 2412       | 119.45     | -          | -          | 105.72         | 27.53     | 17.36         | 31.16   | 264       | 136       | P       | V |
|  | *   |           | 2412       | 111.48     | -          | -          | 97.75          | 27.53     | 17.36         | 31.16   | 264       | 136       | A       | V |
|  |   |           |            |            |            |            |                |           |               |         |           |           | V       |   |
| 8802.11ax<br>HE20 Full<br>CH 11<br>2462MHz | *   | 2462      | 119.18     | -          | -          | 105.39     | 27.48          | 17.44     | 31.13         | 366     | 145       | P         | H       |   |
|  | *   | 2462      | 109.51     | -          | -          | 95.72      | 27.48          | 17.44     | 31.13         | 366     | 145       | A         | H       |   |
|  |   | 2487      | 70.16      | -3.84      | 74         | 56.28      | 27.52          | 17.48     | 31.12         | 366     | 145       | P         | H       |   |
|  |   | 2483.52   | 49.06      | -4.94      | 54         | 35.19      | 27.51          | 17.48     | 31.12         | 366     | 145       | A         | H       |   |
|  |   |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|  | *   | 2462      | 117.19     | -          | -          | 103.46     | 27.42          | 17.44     | 31.13         | 256     | 138       | P         | V       |   |
|  | *   | 2462      | 108.77     | -          | -          | 95.04      | 27.42          | 17.44     | 31.13         | 256     | 138       | A         | V       |   |
|  |   | 2484.48   | 72.26      | -1.74      | 74         | 58.41      | 27.49          | 17.48     | 31.12         | 256     | 138       | P         | V       |   |
|  |   | 2484.2    | 53.38      | -0.62      | 54         | 39.53      | 27.49          | 17.48     | 31.12         | 256     | 138       | A         | V       |   |
|  |   |           |            |            |            |            |                |           |               |         |           |           | 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 802.11 ax HE40 Full (Band Edge @ 3m)

| WIFI Ant. 1+2                             | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|---|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax<br>HE40 Full<br>CH 03<br>2422MHz |   | 2389.66           | 70.45            | -3.55             | 74                    | 56.7                | 27.6                    | 17.32            | 31.17                | 380            | 146               | P                 | H            |
|   |   | 2389.94           | 53.38            | -0.62             | 54                    | 39.63               | 27.6                    | 17.32            | 31.17                | 380            | 146               | A                 | H            |
|   | *   | 2422              | 113.75           | -                 | -                     | 100.02              | 27.5                    | 17.38            | 31.15                | 380            | 146               | P                 | H            |
|   | *   | 2422              | 105.41           | -                 | -                     | 91.68               | 27.5                    | 17.38            | 31.15                | 380            | 146               | A                 | H            |
|   |   | 2486              | 62.4             | -11.6             | 74                    | 48.52               | 27.52                   | 17.48            | 31.12                | 380            | 146               | P                 | H            |
|   |   | 2484.96           | 45               | -9                | 54                    | 31.12               | 27.52                   | 17.48            | 31.12                | 380            | 146               | A                 | H            |
|   |   | 2389.1            | 73.29            | -0.71             | 74                    | 59.47               | 27.67                   | 17.32            | 31.17                | 263            | 132               | P                 | V            |
|   |   | 2388.82           | 52.95            | -1.05             | 54                    | 39.13               | 27.67                   | 17.32            | 31.17                | 263            | 132               | A                 | V            |
|   | *   | 2422              | 114.5            | -                 | -                     | 100.77              | 27.5                    | 17.38            | 31.15                | 263            | 132               | P                 | V            |
|   | *   | 2422              | 105.47           | -                 | -                     | 91.74               | 27.5                    | 17.38            | 31.15                | 263            | 132               | A                 | V            |
|   |   | 2486.56           | 62.06            | -11.94            | 74                    | 48.21               | 27.49                   | 17.48            | 31.12                | 263            | 132               | P                 | V            |
|   |   | 2484.48           | 45.22            | -8.78             | 54                    | 31.37               | 27.49                   | 17.48            | 31.12                | 263            | 132               | A                 | V            |
| 802.11ax<br>HE40 Full<br>CH 09<br>2452MHz |   | 2328.62           | 55.51            | -18.49            | 74                    | 41.56               | 27.92                   | 17.23            | 31.2                 | 195            | 230               | P                 | H            |
|   |   | 2389.52           | 44.54            | -9.46             | 54                    | 30.79               | 27.6                    | 17.32            | 31.17                | 195            | 230               | A                 | H            |
|   | *   | 2452              | 111.4            | -                 | -                     | 97.65               | 27.46                   | 17.43            | 31.14                | 195            | 230               | P                 | H            |
|   | *   | 2452              | 102.4            | -                 | -                     | 88.65               | 27.46                   | 17.43            | 31.14                | 195            | 230               | A                 | H            |
|   |   | 2487.36           | 68.06            | -5.94             | 74                    | 54.18               | 27.52                   | 17.48            | 31.12                | 195            | 230               | P                 | H            |
|   |   | 2484.24           | 47.95            | -6.05             | 54                    | 34.08               | 27.51                   | 17.48            | 31.12                | 195            | 230               | A                 | H            |
|   |   | 2380.28           | 55.63            | -18.37            | 74                    | 41.74               | 27.75                   | 17.31            | 31.17                | 288            | 138               | P                 | V            |
|   |   | 2343.18           | 44.8             | -9.2              | 54                    | 30.74               | 28                      | 17.25            | 31.19                | 288            | 138               | A                 | V            |
|   | *   | 2452              | 112.41           | -                 | -                     | 98.72               | 27.4                    | 17.43            | 31.14                | 288            | 138               | P                 | V            |
|   | *   | 2452              | 103.42           | -                 | -                     | 89.73               | 27.4                    | 17.43            | 31.14                | 288            | 138               | A                 | V            |
|   | 2484.72   | 71.86             | -2.14            | 74                | 58.01                 | 27.49               | 17.48                   | 31.12            | 288                  | 138            | P                 | V                 |              |
|   | 2484.4  | 50.34             | -3.66            | 54                | 36.49                 | 27.49               | 17.48                   | 31.12            | 288                  | 138            | A                 | V                 |              |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |







<Middle Unmodulated>

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Band Edge @ 3m)

| WIFI Ant. 1+2                              | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|--|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz  |   | 2389.38           | 67.63            | -6.37             | 74                    | 53.88               | 27.6                    | 17.32            | 31.17                | 377            | 225               | P                 | H            |   |
|  |   | 2389.695          | 49.17            | -4.83             | 54                    | 35.42               | 27.6                    | 17.32            | 31.17                | 377            | 225               | A                 | H            |   |
|  | *   | 2412              | 111.46           | -                 | -                     | 97.74               | 27.52                   | 17.36            | 31.16                | 377            | 225               | P                 | H            |   |
|  | *   | 2412              | 103.42           | -                 | -                     | 89.7                | 27.52                   | 17.36            | 31.16                | 377            | 225               | A                 | H            |   |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |   |                   | 2388.75          | 69.82             | -4.18                 | 74                  | 56                      | 27.67            | 17.32                | 31.17          | 300               | 222               | P            | V |
|  |   |                   | 2390             | 52.87             | -1.13                 | 54                  | 39.05                   | 27.66            | 17.33                | 31.17          | 300               | 222               | A            | V |
|  | *   |                   | 2412             | 111.69            | -                     | -                   | 97.96                   | 27.53            | 17.36                | 31.16          | 300               | 222               | P            | V |
|  | *   |                   | 2412             | 103.99            | -                     | -                   | 90.26                   | 27.53            | 17.36                | 31.16          | 300               | 222               | A            | V |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
| 8802.11ax<br>HE20 Full<br>CH 11<br>2462MHz | *   | 2462              | 109.31           | -                 | -                     | 95.52               | 27.48                   | 17.44            | 31.13                | 376            | 229               | P                 | H            |   |
|  | *   | 2462              | 100.75           | -                 | -                     | 86.96               | 27.48                   | 17.44            | 31.13                | 376            | 229               | A                 | H            |   |
|  |   |                   | 2483.52          | 69.49             | -4.51                 | 74                  | 55.62                   | 27.51            | 17.48                | 31.12          | 376               | 229               | P            | H |
|  |   |                   | 2483.52          | 52.32             | -1.68                 | 54                  | 38.45                   | 27.51            | 17.48                | 31.12          | 376               | 229               | A            | H |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  | *   |                   | 2462             | 111.06            | -                     | -                   | 97.33                   | 27.42            | 17.44                | 31.13          | 295               | 213               | P            | V |
|  | *   |                   | 2462             | 103.04            | -                     | -                   | 89.31                   | 27.42            | 17.44                | 31.13          | 295               | 213               | A            | V |
|  |   |                   | 2484.28          | 70.87             | -3.13                 | 74                  | 57.02                   | 27.49            | 17.48                | 31.12          | 295               | 213               | P            | V |
|  |   |                   | 2485.8           | 52.4              | -1.6                  | 54                  | 38.55                   | 27.49            | 17.48                | 31.12          | 295               | 213               | A            | V |
|  |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | 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 802.11 ax HE40 Full (Band Edge @ 3m)**

| WIFI Ant. 1+2                             | Note  | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|---|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax<br>HE40 Full<br>CH 03<br>2422MHz |   | 2389.52           | 67.5             | -6.5              | 74                    | 53.75               | 27.6                    | 17.32            | 31.17                | 340            | 225               | P                 | H            |
|   |   | 2388.88           | 49.06            | -4.94             | 54                    | 35.31               | 27.6                    | 17.32            | 31.17                | 340            | 225               | A                 | H            |
|   | *   | 2422              | 111.26           | -                 | -                     | 97.53               | 27.5                    | 17.38            | 31.15                | 340            | 225               | P                 | H            |
|   | *   | 2422              | 102.39           | -                 | -                     | 88.66               | 27.5                    | 17.38            | 31.15                | 340            | 225               | A                 | H            |
|   |   | 2488.64           | 58.73            | -15.27            | 74                    | 44.84               | 27.52                   | 17.49            | 31.12                | 340            | 225               | P                 | H            |
|   |   | 2484.48           | 45.46            | -8.54             | 54                    | 31.58               | 27.52                   | 17.48            | 31.12                | 340            | 225               | A                 | H            |
|   |   | 2390              | 65.49            | -8.51             | 74                    | 51.67               | 27.66                   | 17.33            | 31.17                | 297            | 225               | P                 | V            |
|   |   | 2390              | 49.74            | -4.26             | 54                    | 35.92               | 27.66                   | 17.33            | 31.17                | 297            | 225               | A                 | V            |
|   | *   | 2422              | 112.23           | -                 | -                     | 98.5                | 27.5                    | 17.38            | 31.15                | 297            | 225               | P                 | V            |
|   | *   | 2422              | 103.46           | -                 | -                     | 89.73               | 27.5                    | 17.38            | 31.15                | 297            | 225               | A                 | V            |
|   |   | 2490.88           | 58.77            | -15.23            | 74                    | 44.89               | 27.5                    | 17.49            | 31.11                | 297            | 225               | P                 | V            |
|   |   | 2490.16           | 45.88            | -8.12             | 54                    | 32.01               | 27.5                    | 17.49            | 31.12                | 297            | 225               | A                 | V            |
| 802.11ax<br>HE40 Full<br>CH 09<br>2452MHz |   | 2330.64           | 55.24            | -18.76            | 74                    | 41.29               | 27.91                   | 17.24            | 31.2                 | 304            | 225               | P                 | H            |
|   |   | 2319.76           | 44.83            | -9.17             | 54                    | 30.85               | 27.97                   | 17.22            | 31.21                | 304            | 225               | A                 | H            |
|   | *   | 2452              | 110.28           | -                 | -                     | 96.53               | 27.46                   | 17.43            | 31.14                | 304            | 225               | P                 | H            |
|   | *   | 2452              | 101.15           | -                 | -                     | 87.4                | 27.46                   | 17.43            | 31.14                | 304            | 225               | A                 | H            |
|   |   | 2484.56           | 64.56            | -9.44             | 74                    | 50.68               | 27.52                   | 17.48            | 31.12                | 304            | 225               | P                 | H            |
|   |   | 2483.52           | 50.53            | -3.47             | 54                    | 36.66               | 27.51                   | 17.48            | 31.12                | 304            | 225               | A                 | H            |
|   |   | 2378.16           | 55.11            | -18.89            | 74                    | 41.22               | 27.76                   | 17.31            | 31.18                | 300            | 214               | P                 | V            |
|   |   | 2315.12           | 44.93            | -9.07             | 54                    | 30.94               | 27.99                   | 17.21            | 31.21                | 300            | 214               | A                 | V            |
|   | *   | 2452              | 111.77           | -                 | -                     | 98.08               | 27.4                    | 17.43            | 31.14                | 300            | 214               | P                 | V            |
|   | *   | 2452              | 102.52           | -                 | -                     | 88.83               | 27.4                    | 17.43            | 31.14                | 300            | 214               | A                 | V            |
|   | 2484.4  | 68.68             | -5.32            | 74                | 54.83                 | 27.49               | 17.48                   | 31.12            | 300                  | 214            | P                 | V                 |              |
|   | 2489.36   | 52.35             | -1.65            | 54                | 38.48                 | 27.5                | 17.49                   | 31.12            | 300                  | 214            | A                 | V                 |              |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average 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>Peak</b> or <b>Average</b>  |
| H/V | <b>Horizontal</b> or <b>Vertical</b>   |



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

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2     |      | ( 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. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =  
Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path 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) + Path 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 D. Radiated Spurious Emission Plots

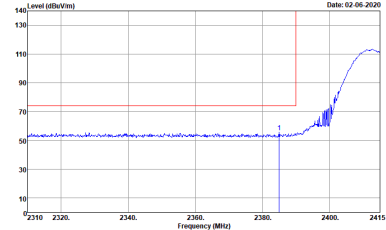
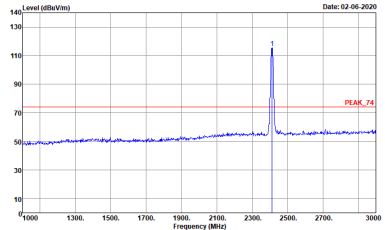
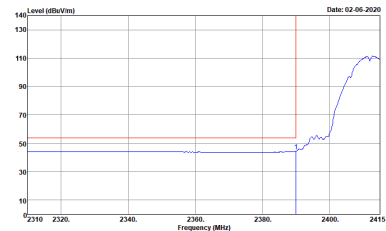
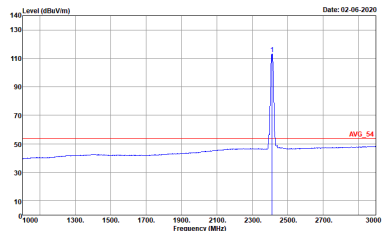
|                 |                                    |                     |         |
|-----------------|------------------------------------|---------------------|---------|
| Test Engineer : | Calvin Wu, Leo Luo, and Jacky Hong | Temperature :       | 19~22°C |
|                 |                                    | Relative Humidity : | 36 ~45% |

### Note symbol

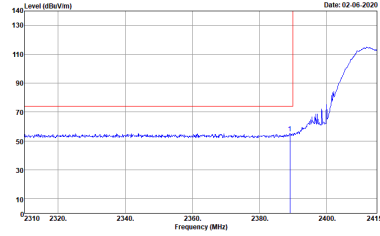
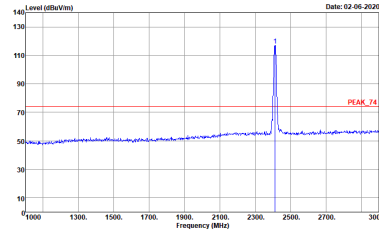
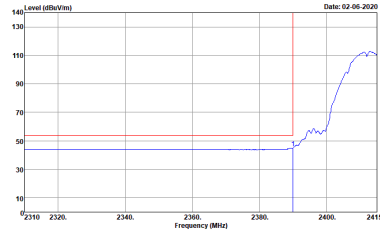
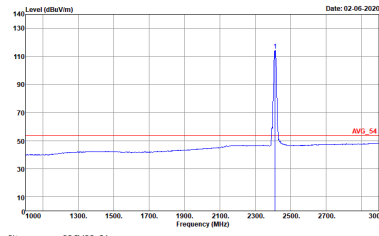
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



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

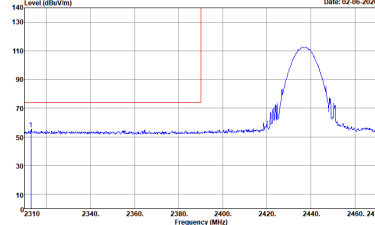
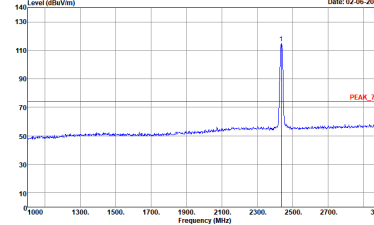
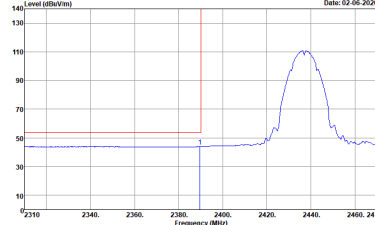
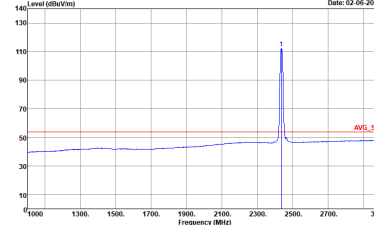
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11b CH01 2412MHz  |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>           Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>           Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11b CH01 2412MHz  |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Level (dBm/Vm) vs Frequency (MHz) plot showing a peak at 2412 MHz. The y-axis ranges from 10 to 140 dBm/Vm, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is drawn at approximately 75 dBm/Vm. The plot shows a sharp increase in signal level starting around 2380 MHz, reaching a peak of about 110 dBm/Vm at 2412 MHz.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Level (dBm/Vm) vs Frequency (MHz) plot showing a peak at 2412 MHz. The y-axis ranges from 10 to 140 dBm/Vm, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is drawn at approximately 75 dBm/Vm. The plot shows a sharp peak at 2412 MHz reaching about 110 dBm/Vm.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Level (dBm/Vm) vs Frequency (MHz) plot showing an average signal. The y-axis ranges from 10 to 140 dBm/Vm, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is drawn at approximately 55 dBm/Vm. The plot shows a relatively flat signal level around 50 dBm/Vm until 2380 MHz, then rises to about 110 dBm/Vm at 2412 MHz.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>    |  <p>Level (dBm/Vm) vs Frequency (MHz) plot showing an average signal. The y-axis ranges from 10 to 140 dBm/Vm, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is drawn at approximately 55 dBm/Vm. The plot shows a sharp peak at 2412 MHz reaching about 110 dBm/Vm.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>    |



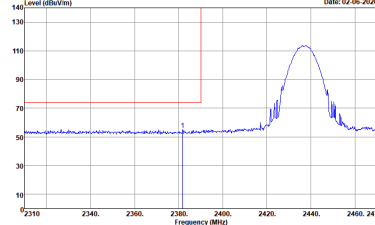
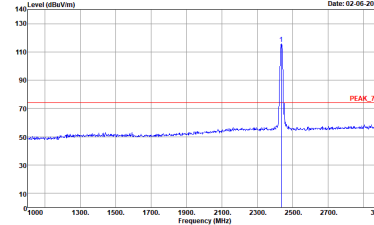
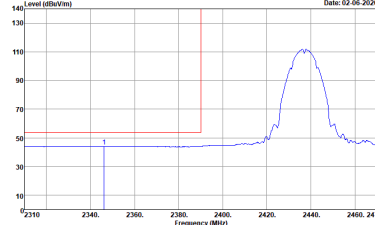
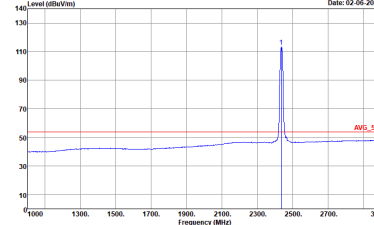


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11b CH06 2437MHz - L   |  |
| 1+2  | Horizontal   | Fundamental  |
| Peak |  <p>Level (dBV/m) vs Frequency (MHz) plot showing a peak at approximately 2437 MHz. The y-axis ranges from 10 to 140 dBV/m, and the x-axis ranges from 2310 to 2470 MHz. A red vertical line marks the peak. Below the plot, the following text is present:<br/>           Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Level (dBV/m) vs Frequency (MHz) plot showing a sharp peak at 2437 MHz. The y-axis ranges from 10 to 140 dBV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is labeled 'PEAK_74'. Below the plot, the following text is present:<br/>           Site : 03CH02-CA<br/>           Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Level (dBV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBV/m, and the x-axis ranges from 2310 to 2470 MHz. A red vertical line marks the peak. Below the plot, the following text is present:<br/>           Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>               |  <p>Level (dBV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is labeled 'AVG_54'. Below the plot, the following text is present:<br/>           Site : 03CH02-CA<br/>           Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>        |

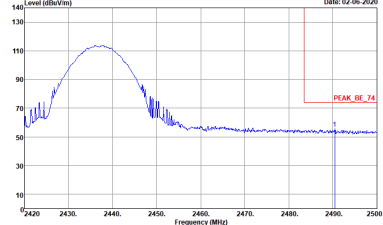
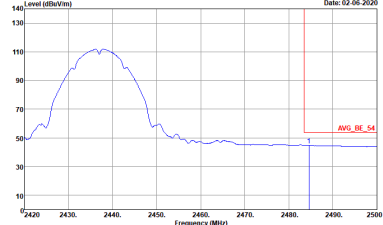


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
|------|---|-------------|
| ANT  | 802.11b CH06 2437MHz - R  |             |
| 1+2  | Horizontal  | Fundamental |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-1F_01895 HORIZONTAL<br/>RBW:1000.000KHz, VBW:3000.000KHz, SWF:Auto</p> | Left blank  |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-1F_01895 HORIZONTAL<br/>RBW:1000.000KHz, VBW:0.010KHz, SWF:Auto</p>     | Left blank  |

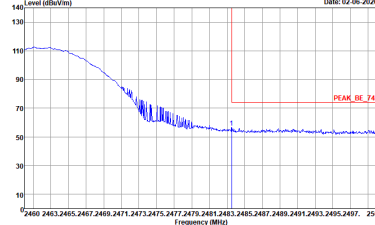
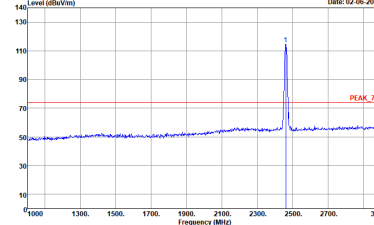
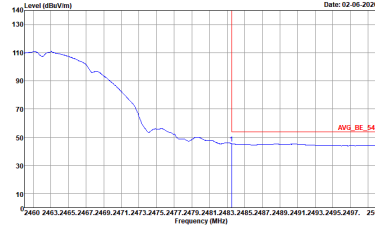
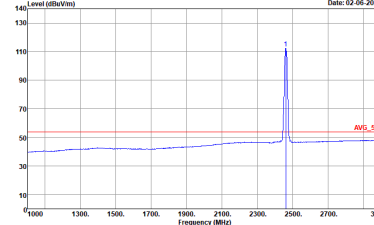


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11b CH06 2437MHz - L  |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |

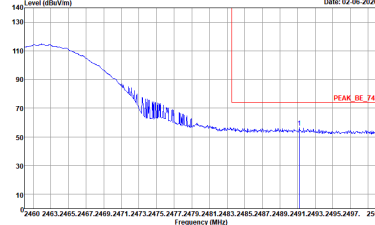
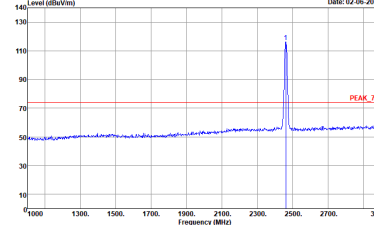
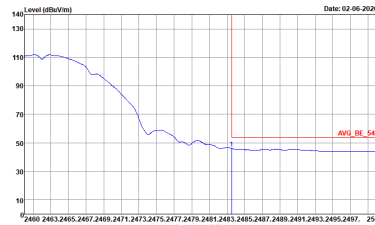
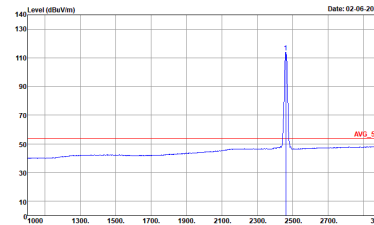


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11b CH06 2437MHz - R  |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   | <p>Left blank</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11b CH11 2462MHz  |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |



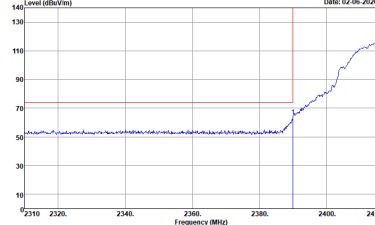
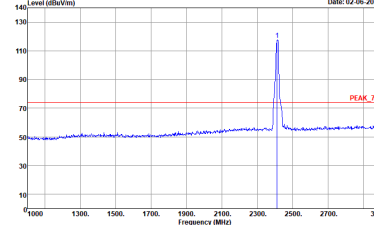
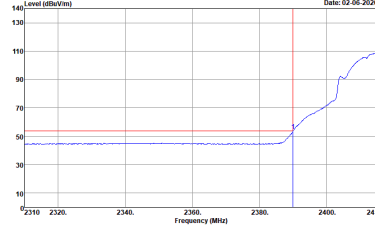
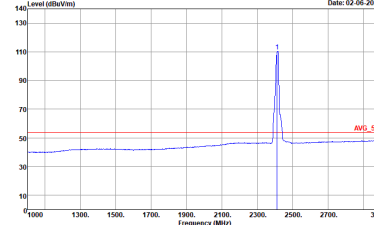
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11b CH11 2462MHz  |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |



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

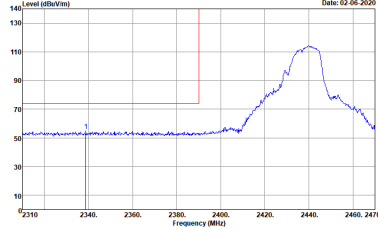
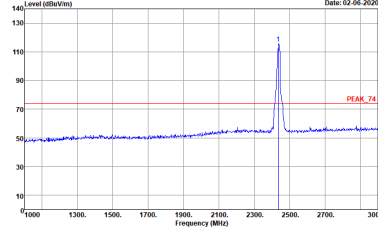
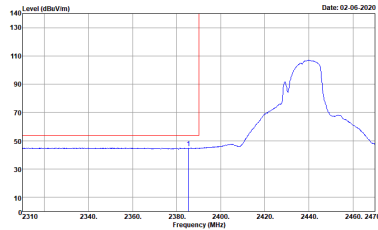
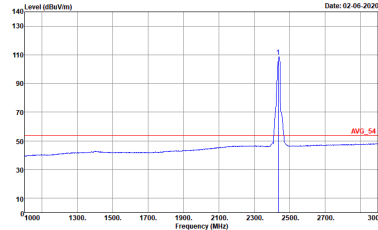
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11g CH01 2412MHz  |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      | <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      |



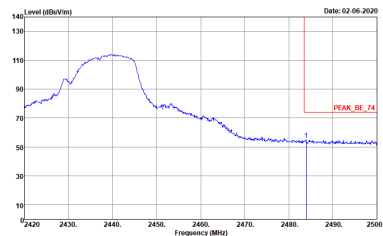
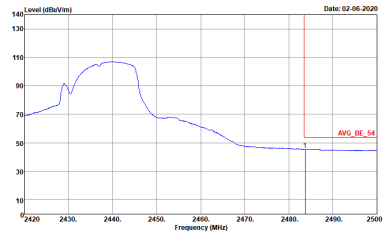
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11g CH01 2412MHz  |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |



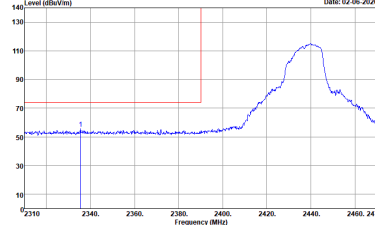
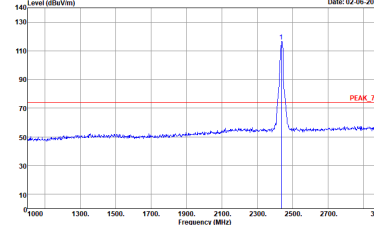
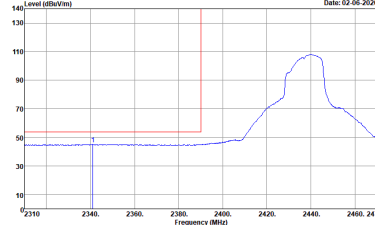
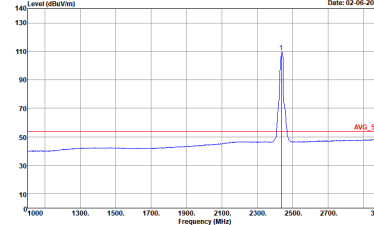


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11g CH06 2437MHz - L  |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

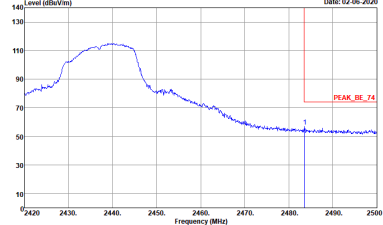
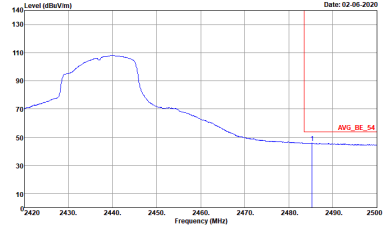


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11g CH06 2437MHz - R  |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | <p>Left blank</p> |

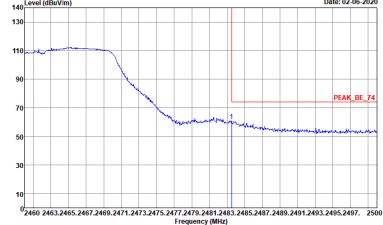
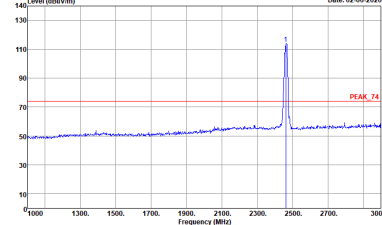
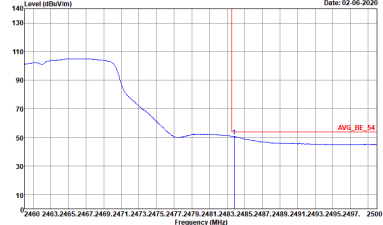
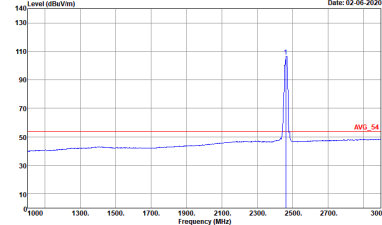


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11g CH06 2437MHz - L  |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

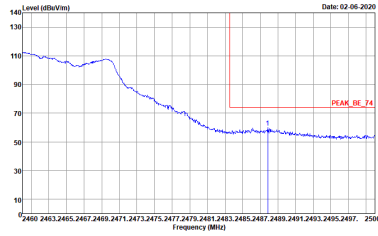
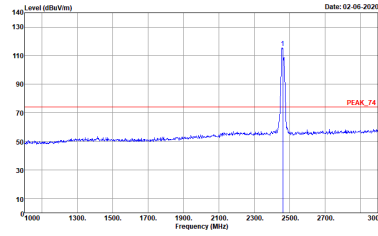
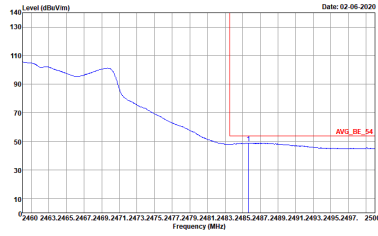
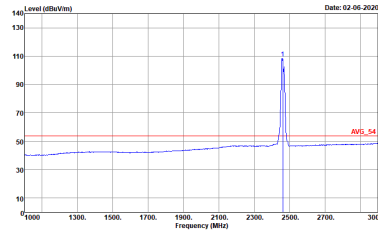


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11g CH06 2437MHz - R  |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Date: 02-06-2020</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p> | <p>Left Blank</p> |
| <p><b>Avg.</b></p> |  <p>Date: 02-06-2020</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>    | <p>Left Blank</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11g CH11 2462MHz  |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

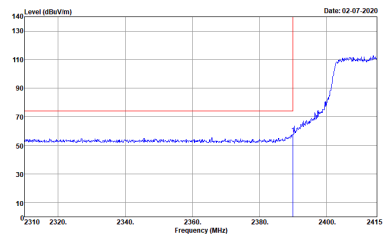
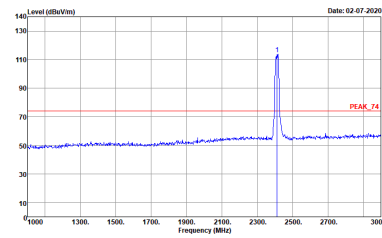
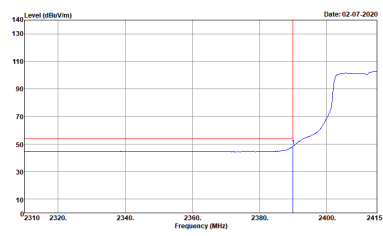
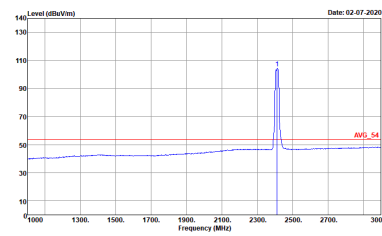


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11g CH11 2462MHz  |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

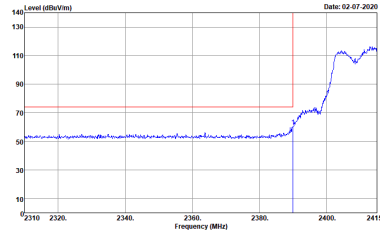
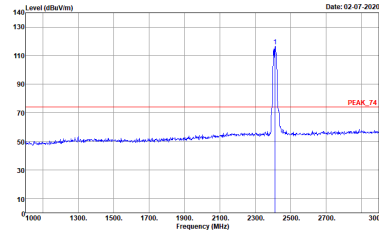
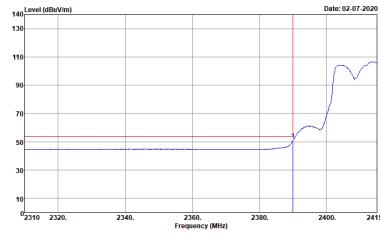
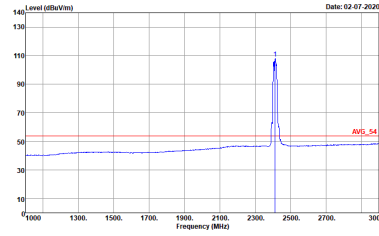


2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE20 Full CH01 2412MHz   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>   |



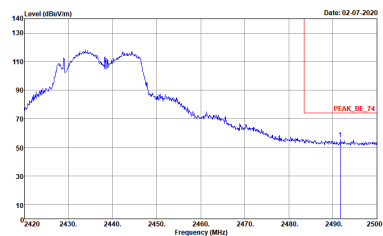
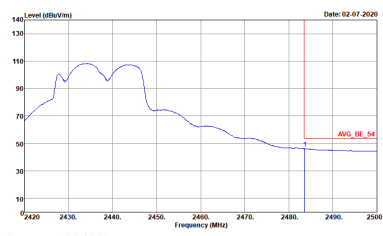
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE20 Full CH01 2412MHz   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |



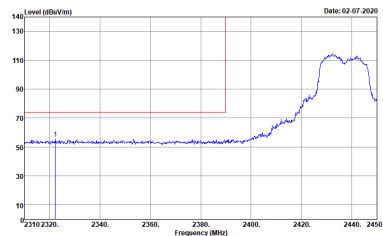
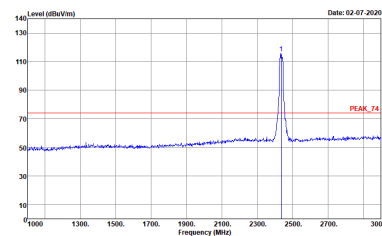
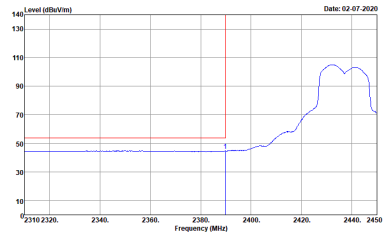
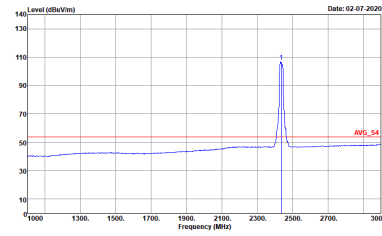


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11ax HE20 Full CH06 2437MHz - L   |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak | <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>           Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>           Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>     |



| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE20 Full CH06 2437MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000kHz VBW:3.000kHz SWF:Auto</p>   | <p>Left blank</p> |

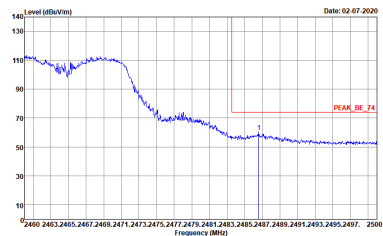
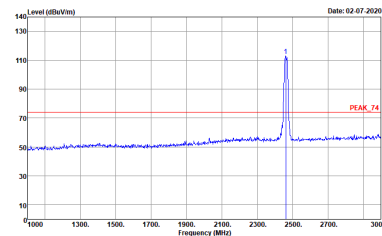
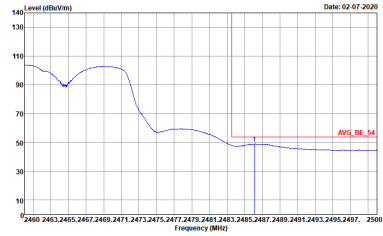
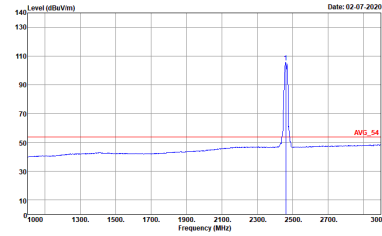


|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE20 Full CH06 2437MHz - L   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |

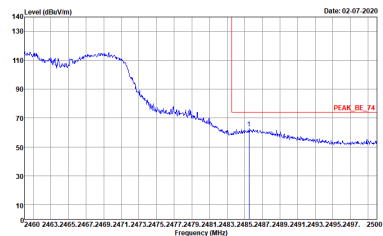
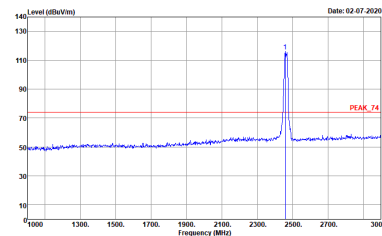
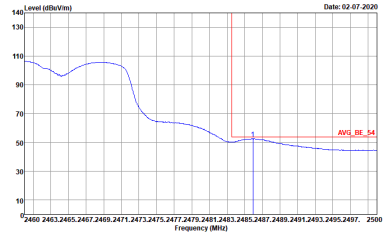
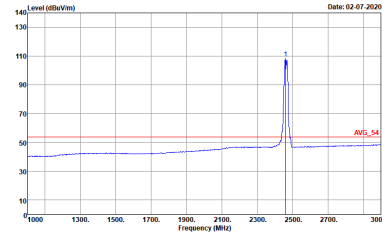


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m |                   |
|--------------------|--------------------------------------|-------------------|
| ANT                | 802.11ax HE20 Full CH06 2437MHz - R  |                   |
| 1+2                | Vertical                             | Fundamental       |
| <p><b>Peak</b></p> |                                      | <p>Left blank</p> |
| <p><b>Avg.</b></p> |                                      | <p>Left blank</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE20 Full CH11 2462MHz   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |

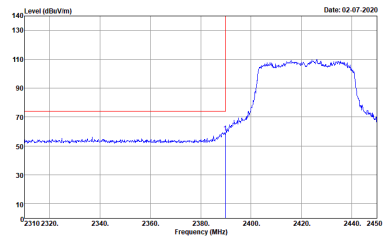
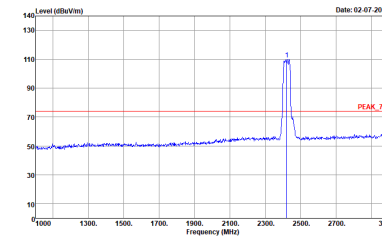
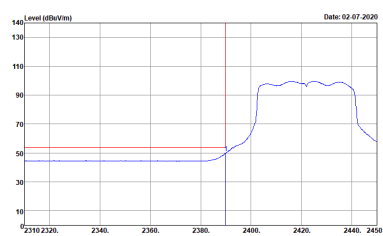
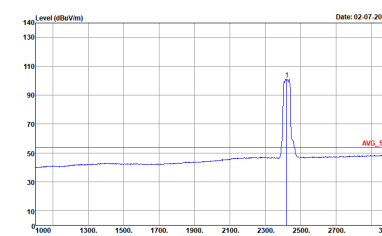


|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE20 Full CH11 2462MHz   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |

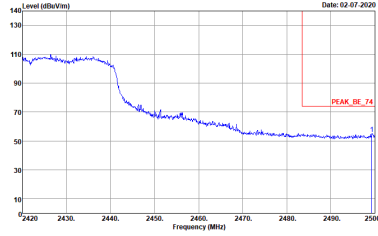
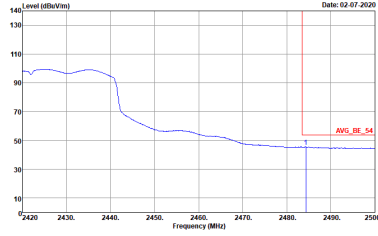


2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

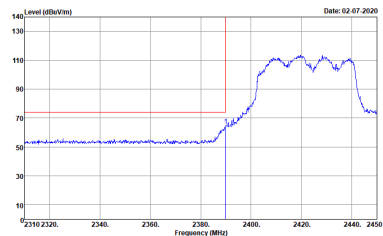
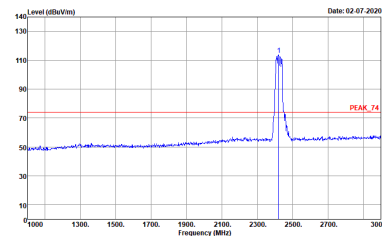
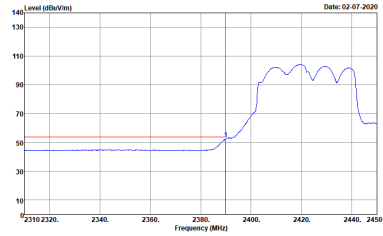
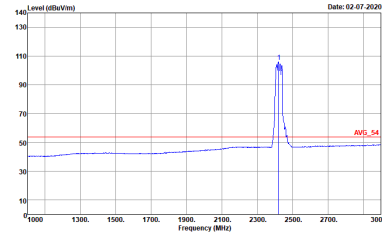
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE40 Full CH03 2422MHz - L   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>   |



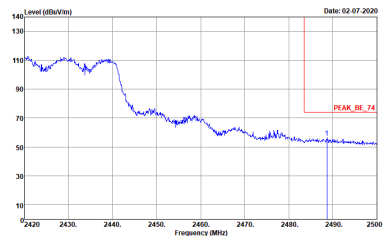
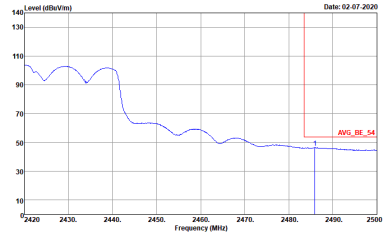
| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH03 2422MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   | <p>Left blank</p> |



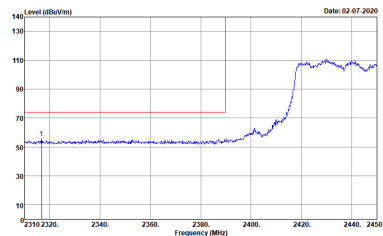
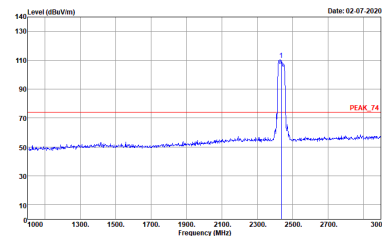
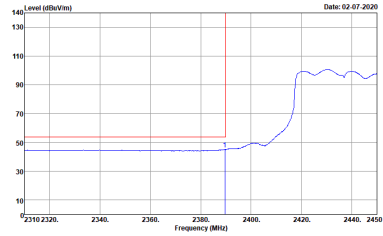
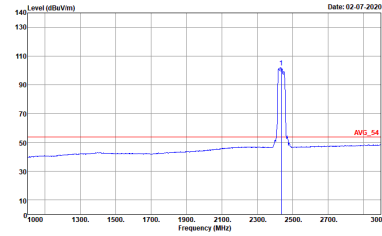


|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE40 Full CH03 2422MHz - L   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |

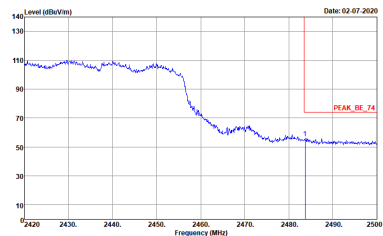
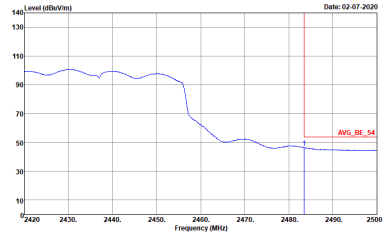


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH03 2422MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   | <p>Left blank</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE40 Full CH06 2437MHz - L   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |



| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH06 2437MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   | <p>Left blank</p> |

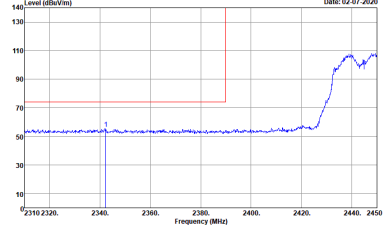
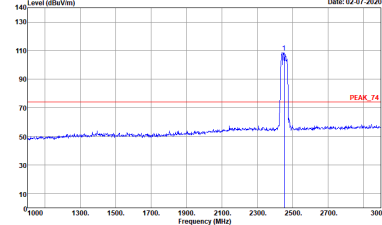
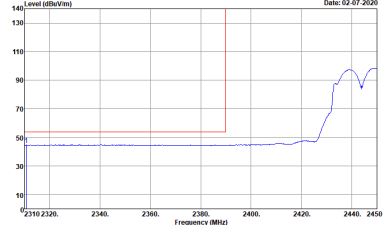
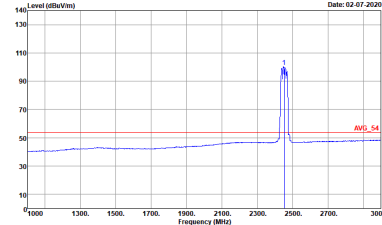


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11ax HE40 Full CH06 2437MHz - L   |  |
| 1+2  | Vertical  | Fundamental  |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>     |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
|------|---|-------------|
| ANT  | 802.11ax HE40 Full CH06 2437MHz - R   |             |
| 1+2  | Vertical  | Fundamental |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | Left blank  |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000kHz VBW:0.3000kHz SWF:Auto</p>    | Left blank  |



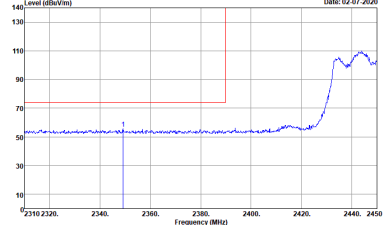
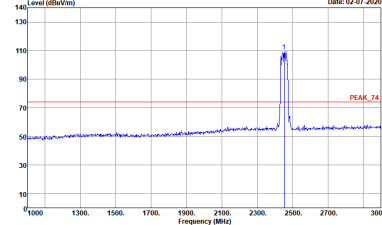
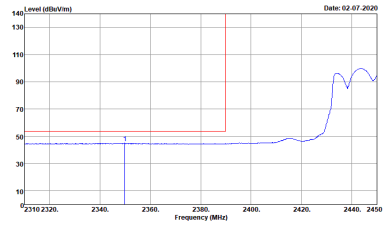
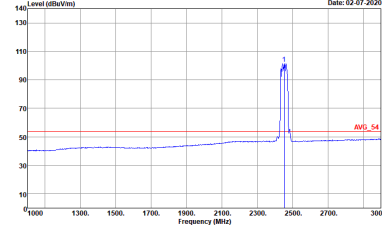
|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE40 Full CH09 2452MHz - L   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
|------|---|-------------|
| ANT  | 802.11ax HE40 Full CH09 2452MHz - R   |             |
| 1+2  | Horizontal  | Fundamental |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | Left blank  |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWF:Auto</p>     | Left blank  |





| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11ax HE40 Full CH09 2452MHz - L  |   |
| 1+2  | Vertical   | Fundamental   |
| Peak |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at approximately 2452 MHz. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 2310 to 2450 MHz. A red horizontal line is drawn at approximately 75 dBm/100kHz. The plot shows a sharp peak at 2452 MHz reaching about 110 dBm/100kHz.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>                        |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at approximately 2452 MHz. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is drawn at approximately 75 dBm/100kHz. The plot shows a sharp peak at 2452 MHz reaching about 110 dBm/100kHz. A red label 'PEAK_74' is placed above the peak.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>                       |
| Avg. |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level across the band. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 2310 to 2450 MHz. A red horizontal line is drawn at approximately 50 dBm/100kHz. The plot shows a relatively flat line around 50 dBm/100kHz with a slight rise at the band edge.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>           RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p> |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level across the band. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is drawn at approximately 50 dBm/100kHz. The plot shows a relatively flat line around 50 dBm/100kHz with a slight rise at the band edge. A red label 'AVG_54' is placed above the line.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>           RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
|------|---|-------------|
| ANT  | 802.11ax HE40 Full CH09 2452MHz - R   |             |
| 1+2  | Vertical  | Fundamental |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | Left blank  |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000kHz VBW:3.000kHz SWF:Auto</p>     | Left blank  |



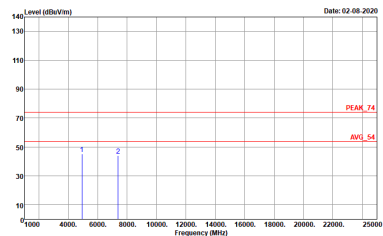
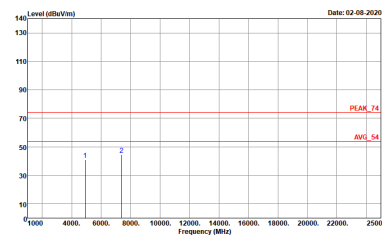
**2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Harmonic @ 3m)**

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |  |
|--------------|--|--|
| ANT          | 802.11b CH01 2412MHz   |  |
| 1+2          | Horizontal   | Vertical   |
| Peak<br>Avg. | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



|                      |  |  |
|----------------------|--|--|
| <b>WIFI</b>          | <b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>   |  |
| <b>ANT</b>           | <b>802.11b CH06 2437MHz</b>  |  |
| <b>1+2</b>           | <b>Horizontal</b>  | <b>Vertical</b>  |
| <b>Peak<br/>Avg.</b> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



|                         |  |   |
|-------------------------|--|---|
| WIFI                    | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |   |
| ANT                     | 802.11b CH11 2462MHz   |   |
| 1+2                     | Horizontal   | Vertical  |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



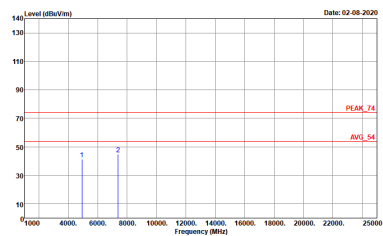
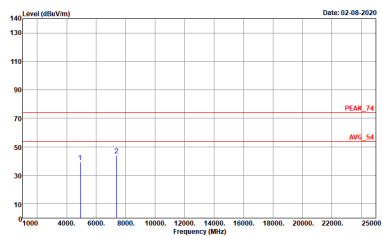
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

Table with 2 columns: Horizontal and Vertical. Each column contains a spectrum plot showing Level (dBuV/m) vs Frequency (MHz) with peak and average values indicated. Includes site and condition details for both orientations.



|              |  |  |
|--------------|--|--|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |  |
| ANT          | 802.11g CH06 2437MHz   |  |
| 1+2          | Horizontal   | Vertical   |
| Peak<br>Avg. | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



|                         |  |   |
|-------------------------|--|---|
| WIFI                    | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |   |
| ANT                     | 802.11g CH11 2462MHz   |   |
| 1+2                     | Horizontal   | Vertical  |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



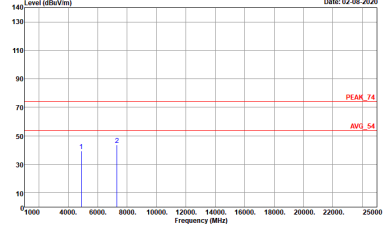
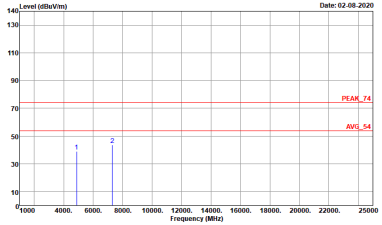


2.4GHz 2400~2483.5MHz

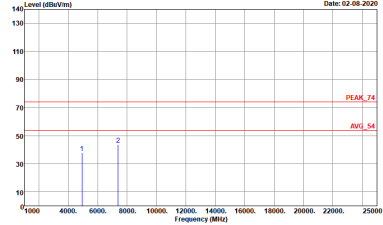
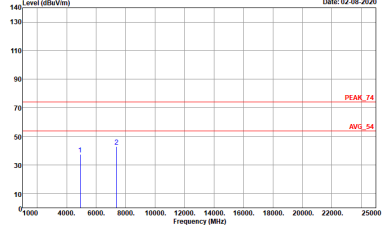
WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

|              |  |  |
|--------------|--|--|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |  |
| ANT          | 802.11 ax HE20 Full CH01 2412MHz   |  |
| 1+2          | Horizontal   | Vertical   |
| Peak<br>Avg. | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



|                         |  |   |
|-------------------------|--|---|
| WIFI                    | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |   |
| ANT                     | 802.11 ax HE20 Full CH06 2437MHz   |   |
| 1+2                     | Horizontal   | Vertical  |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



|              |  |   |
|--------------|--|---|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |   |
| ANT          | 802.11 ax HE20 Full CH11 2462MHz   |   |
| 1+2          | Horizontal   | Vertical  |
| Peak<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



2.4GHz 2400~2483.5MHz

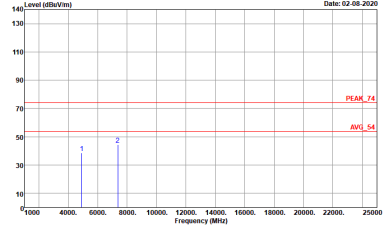
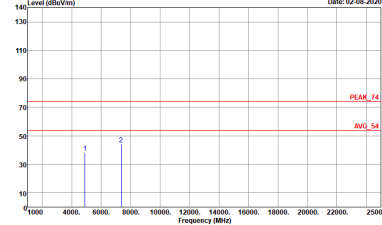
WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

|              |  |  |
|--------------|--|--|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |  |
| ANT          | 802.11 ax HE40 Full CH03 2422MHz   |  |
| 1+2          | Horizontal   | Vertical   |
| Peak<br>Avg. | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |



|                            |  |  |
|----------------------------|--|--|
| <b>WIFI</b>                | <b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>   |  |
| <b>ANT</b>                 | <b>802.11 ax HE40 Full CH06 2437MHz</b>  |  |
| <b>1+2</b>                 | <b>Horizontal</b>  | <b>Vertical</b>  |
| <b>Peak</b><br><b>Avg.</b> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



|                         |  |   |
|-------------------------|--|---|
| WIFI                    | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |   |
| ANT                     | 802.11 ax HE40 Full CH09 2452MHz   |   |
| 1+2                     | Horizontal   | Vertical  |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>         Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>         : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



Emission below 1GHz  
2.4GHz WIFI 802.11g (LF)

|              |   |   |
|--------------|---|---|
| WIFI         | 2.4GHz 2400~2483.5MHz   |   |
| ANT          | 802.11g LF  |   |
| 1+2          | Horizontal  | Vertical  |
| QP /<br>Peak | <p>Site : 03CH02-CA<br/>Condition : QP 3m 81LOG 6111D-LF_50392 HORIZONTAL<br/>: RBW120.000KHz VBW300.000KHz SWT0.500sec</p> | <p>Site : 03CH02-CA<br/>Condition : QP 3m 81LOG 6111D-LF_50392 VERTICAL<br/>: RBW120.000KHz VBW300.000KHz SWT0.500sec</p> |



<Band-edge Unmodulated>

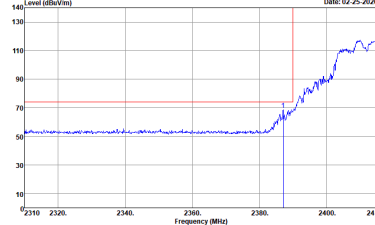
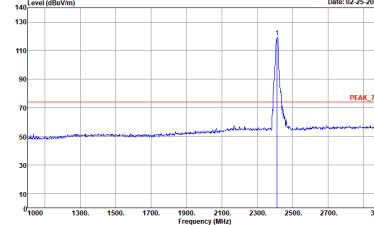
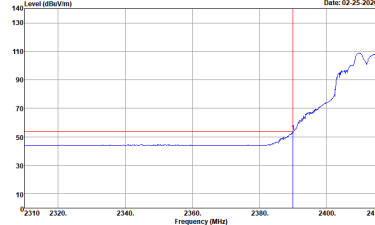
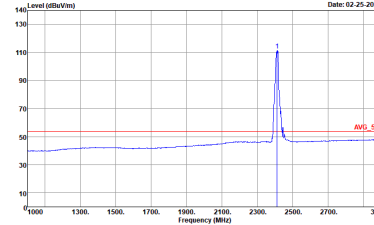
2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

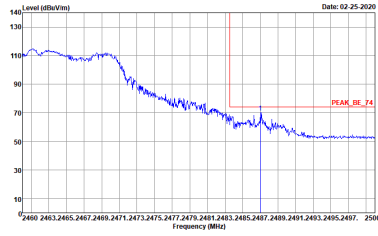
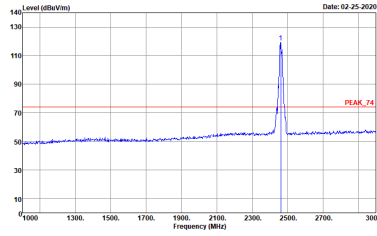
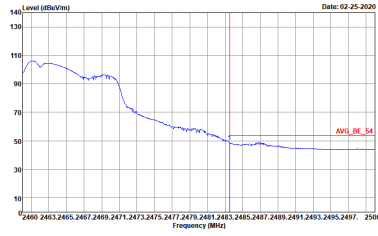
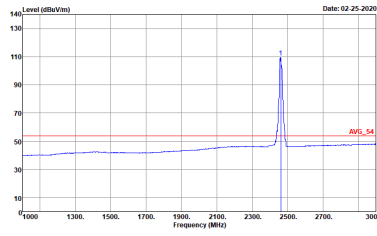
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11ax HE20 Full CH01 2412MHz   |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AV6_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>Condition : AV6_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>     |



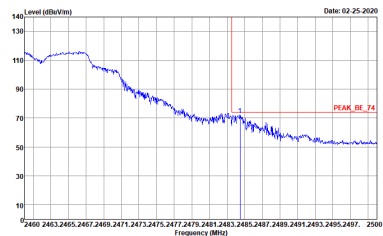
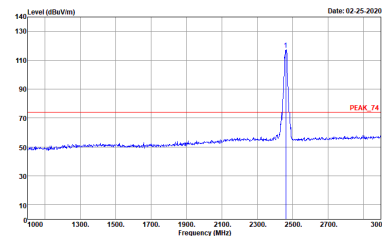
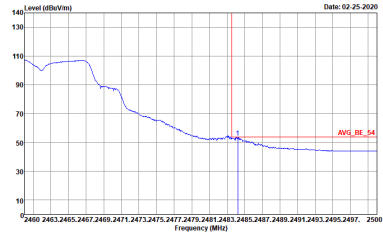
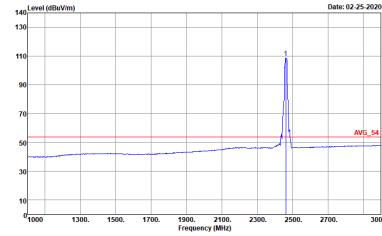


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE20 Full CH01 2412MHz   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |



|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE20 Full CH11 2462MHz   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>   |

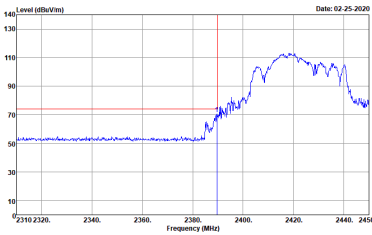
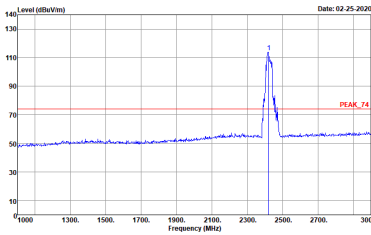
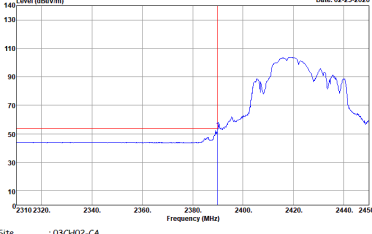
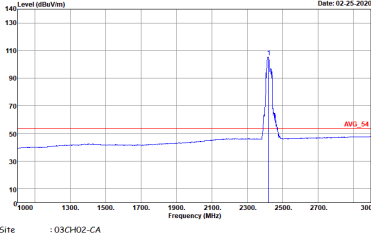


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE20 Full CH11 2462MHz   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |

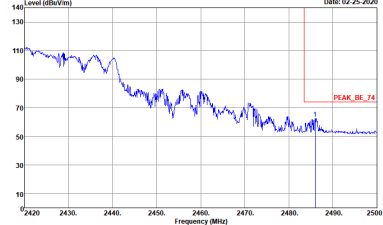
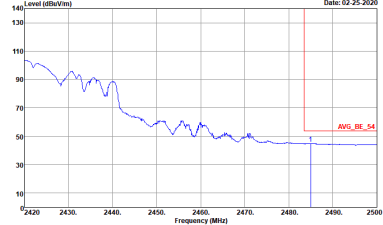


2.4GHz 2400~2483.5MHz

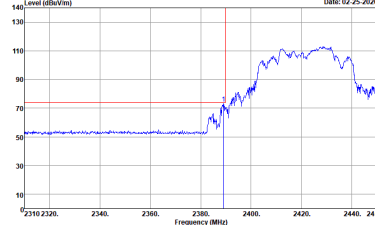
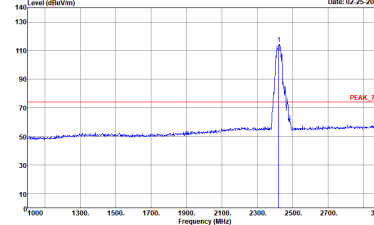
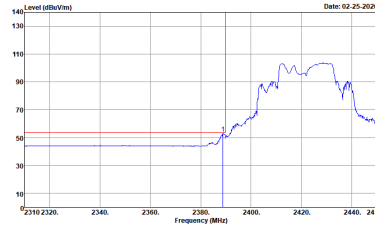
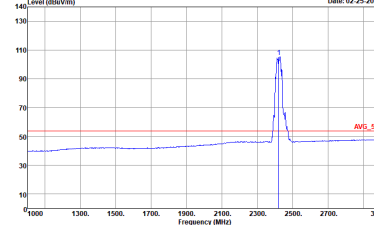
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE40 Full CH03 2422MHz - L   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |

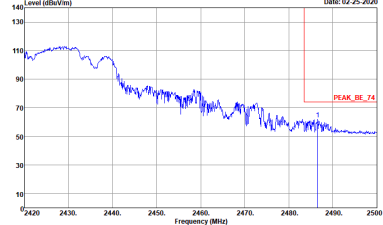
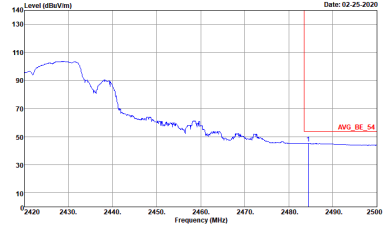


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH03 2422MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:0.3000kHz SWF:Auto</p>  | <p>Left blank</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE40 Full CH03 2422MHz - L   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Date: 02-25-2020</p> <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Date: 02-25-2020</p> <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Date: 02-25-2020</p> <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Date: 02-25-2020</p> <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |



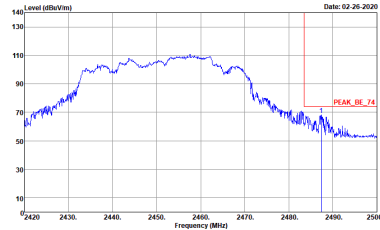
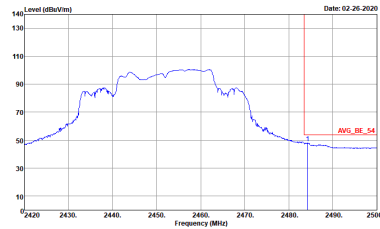
| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH03 2422MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Date: 02-25-2020</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Date: 02-25-2020</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:0.300KHz SWF:Auto</p>   | <p>Left blank</p> |



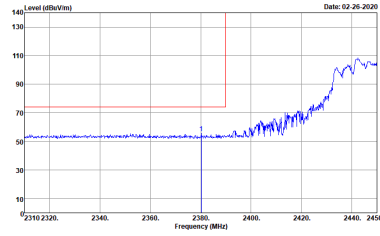
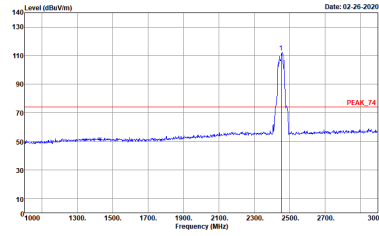
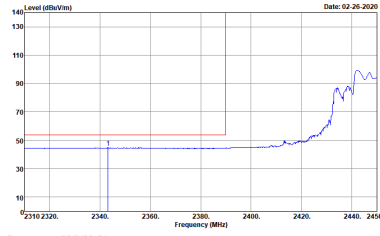
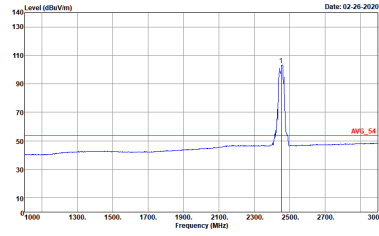
|      |   |  |
|------|---|--|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
| ANT  | 802.11ax HE40 Full CH09 2452MHz - L   |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 9120D-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 9120D-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>     |



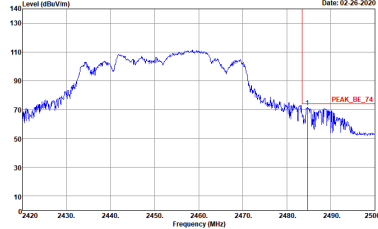
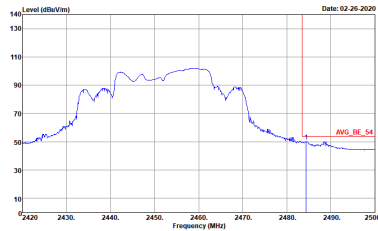


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH09 2452MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>           : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   | <p>Left blank</p> |



|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE40 Full CH09 2452MHz - L   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>   |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
|------|---|-------------|
| ANT  | 802.11ax HE40 Full CH09 2452MHz - R   |             |
| 1+2  | Vertical  | Fundamental |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>   | Left blank  |



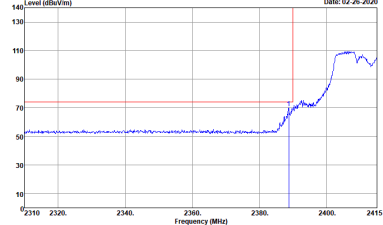
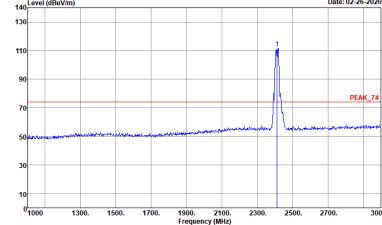
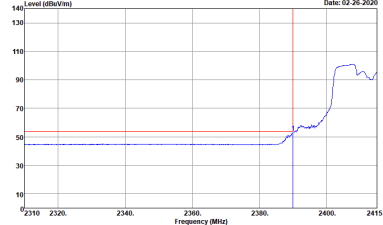
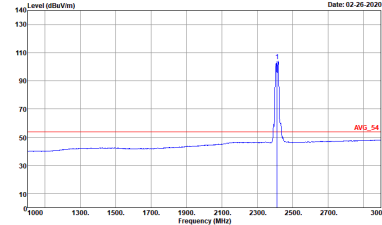
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2.4GHz 2400~2483.5MHz

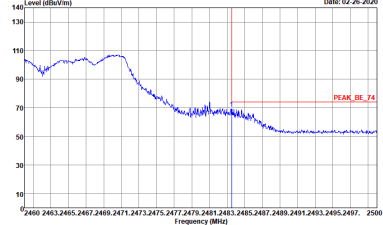
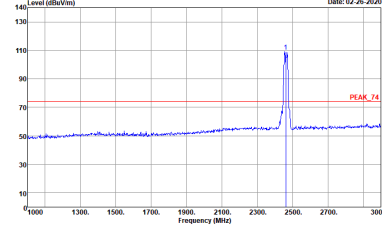
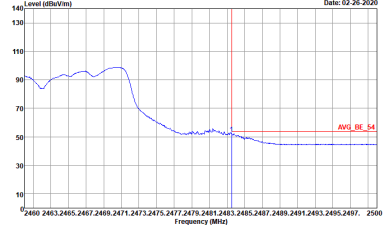
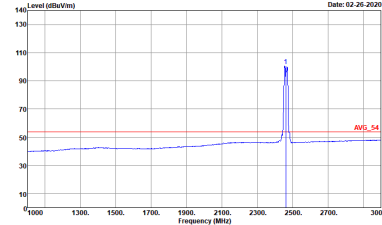
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11ax HE20 Full CH01 2412MHz   |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>     |

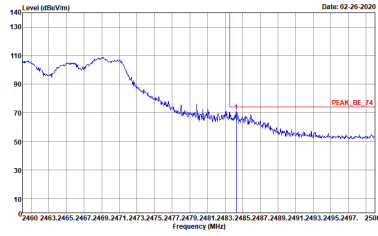
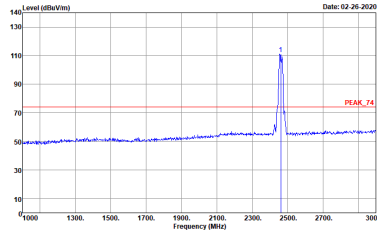
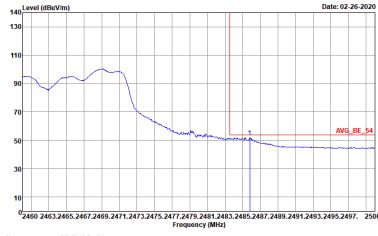
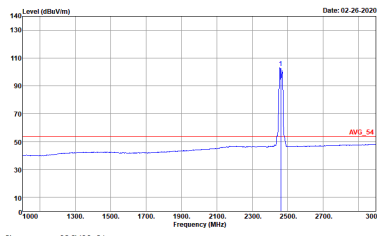


|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE20 Full CH01 2412MHz   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |



|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE20 Full CH11 2462MHz   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

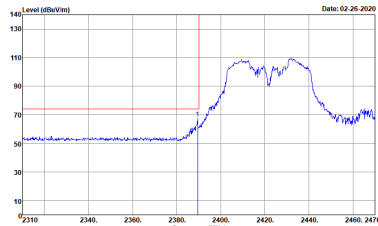
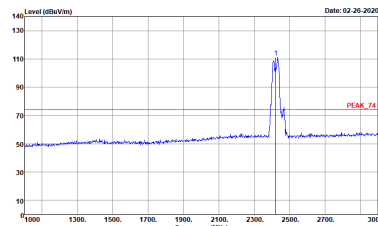
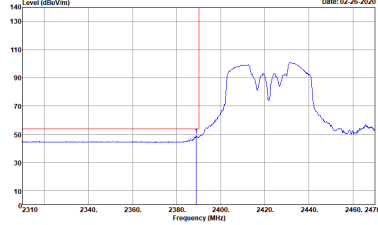
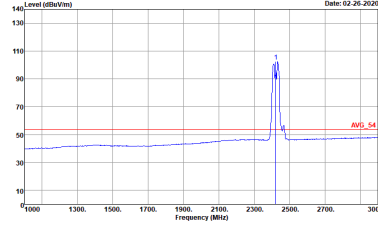


|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE20 Full CH11 2462MHz   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

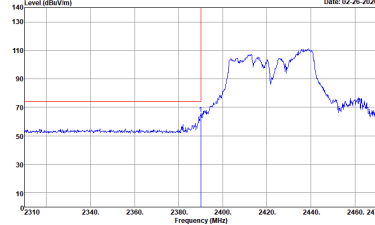
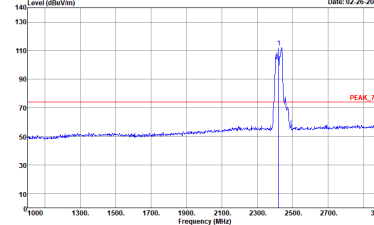
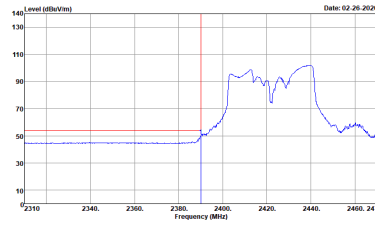
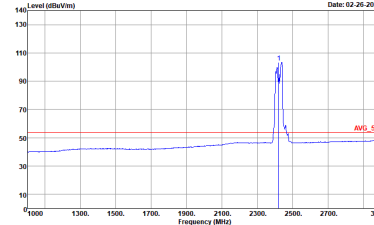
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11ax HE40 Full CH03 2422MHz - L   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |



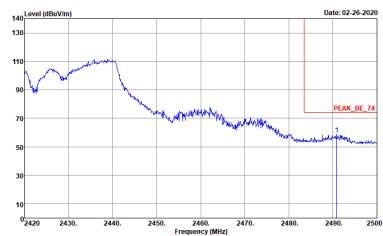
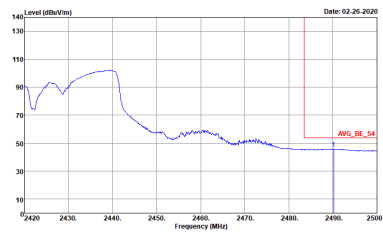


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
|------|---|-------------|
| ANT  | 802.11ax HE40 Full CH03 2422MHz - R   |             |
| 1+2  | Horizontal  | Fundamental |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | Left blank  |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 HORIZONTAL<br/>RBW:1000.000kHz VBW:1000kHz SWF:Auto</p>      | Left blank  |

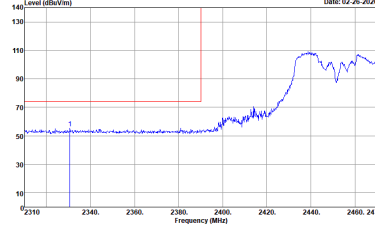
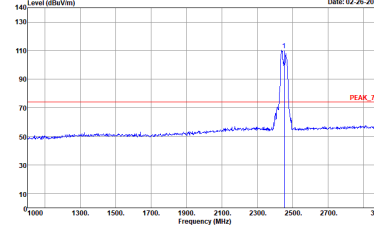
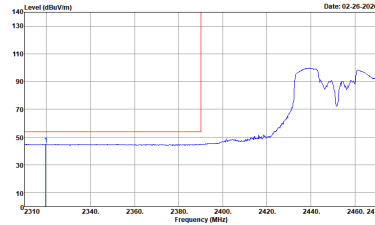
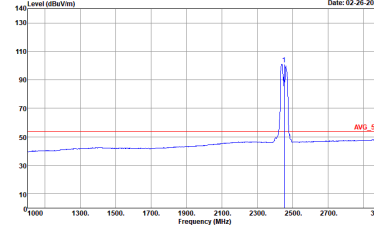


|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ax HE40 Full CH03 2422MHz - L   |   |
| 1+2  | Vertical  | Fundamental   |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |  <p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

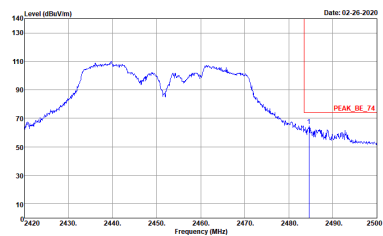
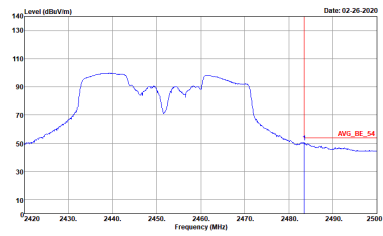


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH03 2422MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>   | <p>Left blank</p> |

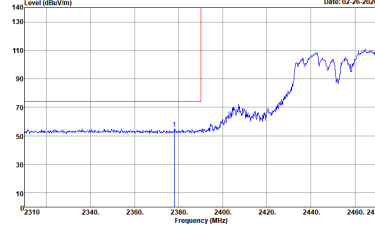
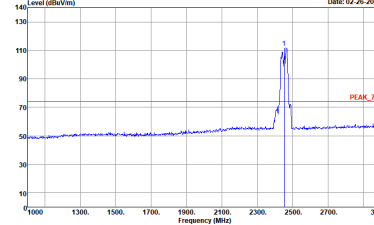
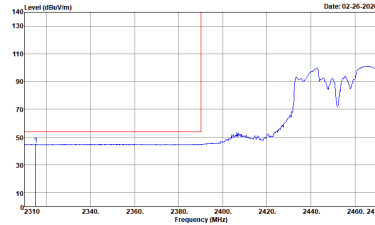
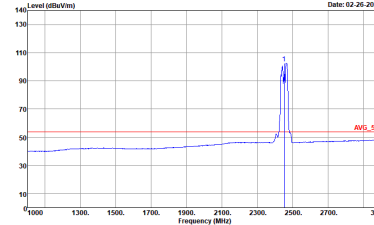


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11ax HE40 Full CH09 2452MHz - L  |  |
| 1+2  | Horizontal   | Fundamental  |
| Peak |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Horizontal Peak. The plot shows a rising signal level starting around 2400 MHz, reaching approximately 110 dBm/100kHz at 2452 MHz. A red vertical line marks the peak at 2452 MHz. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 2310 to 2470 MHz.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a sharp peak at 2452 MHz with a level of approximately 110 dBm/100kHz. A red horizontal line is drawn at this level, labeled 'PEAK_74'. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_74 3m HORN 9120D-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Horizontal Average. The plot shows a rising signal level starting around 2400 MHz, reaching approximately 110 dBm/100kHz at 2452 MHz. A red vertical line marks the peak at 2452 MHz. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 2310 to 2470 MHz.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p> |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental Average. The plot shows a sharp peak at 2452 MHz with a level of approximately 110 dBm/100kHz. A red horizontal line is drawn at this level, labeled 'AVG_54'. The y-axis ranges from 10 to 140 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_54 3m HORN 9120D-HF_01895 HORIZONTAL<br/>           : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>  |

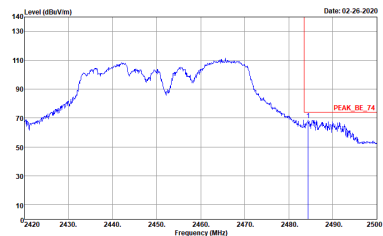
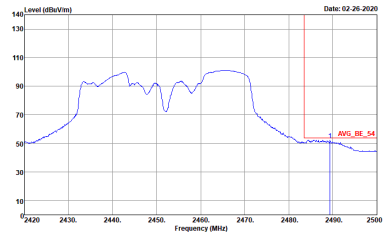


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH09 2452MHz - R   |                   |
| 1+2                | Horizontal  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | <p>Left blank</p> |



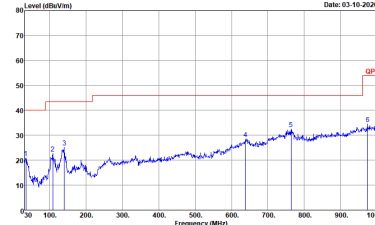
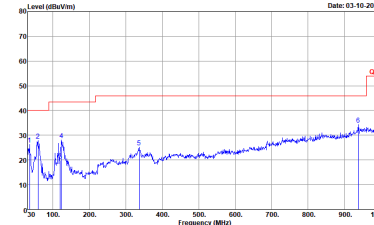
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11ax HE40 Full CH09 2452MHz - L  |  |
| 1+2  | Vertical   | Fundamental  |
| Peak |  <p>Level (dBV/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a rising signal level from approximately 50 dBV/m at 2310 MHz to about 110 dBV/m at 2470 MHz. A red vertical line is drawn at 2390 MHz, and a red horizontal line is drawn at approximately 75 dBV/m. The date is 02-26-2020.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Level (dBV/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a sharp peak at approximately 2452 MHz with a level of about 110 dBV/m. A red horizontal line is drawn at approximately 75 dBV/m, labeled 'PEAK_74'. The date is 02-26-2020.</p> <p>Site : 03CH02-CA<br/>           Condition : PEAK_74 3m HORN 9120D-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Level (dBV/m) vs Frequency (MHz) plot for Avg Vertical. The plot shows a rising signal level from approximately 50 dBV/m at 2310 MHz to about 110 dBV/m at 2470 MHz. A red vertical line is drawn at 2390 MHz, and a red horizontal line is drawn at approximately 75 dBV/m. The date is 02-26-2020.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>     |  <p>Level (dBV/m) vs Frequency (MHz) plot for Avg Fundamental. The plot shows a sharp peak at approximately 2452 MHz with a level of about 110 dBV/m. A red horizontal line is drawn at approximately 75 dBV/m, labeled 'AVG_54'. The date is 02-26-2020.</p> <p>Site : 03CH02-CA<br/>           Condition : AVG_54 3m HORN 9120D-HF_01895 VERTICAL<br/>           : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>      |



| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |                   |
|--------------------|---|-------------------|
| ANT                | 802.11ax HE40 Full CH09 2452MHz - R   |                   |
| 1+2                | Vertical  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE_74 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE_54 3m HORN 91200-HF_01895 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | <p>Left blank</p> |



Emission above 18GHz  
2.4GHz WIFI 802.11ax HE20 Full (LF)

|              |  |   |
|--------------|--|---|
| WIFI         | 2.4GHz 2400~2483.5MHz  |   |
| ANT          | 802.11ax HE20 Full LF  |   |
| 1+2          | Horizontal   | Vertical  |
| QP /<br>Peak |  <p>Site : 03CH02-CA<br/>Condition : QP 3m B1LOG 6111D-LF_50392 HORIZONTAL<br/>: RBW:120.000KHz VBW:300.000KHz SWT:0.500sec</p> |  <p>Site : 03CH02-CA<br/>Condition : QP 3m B1LOG 6111D-LF_50392 VERTICAL<br/>: RBW:120.000KHz VBW:300.000KHz SWT:0.500sec</p> |





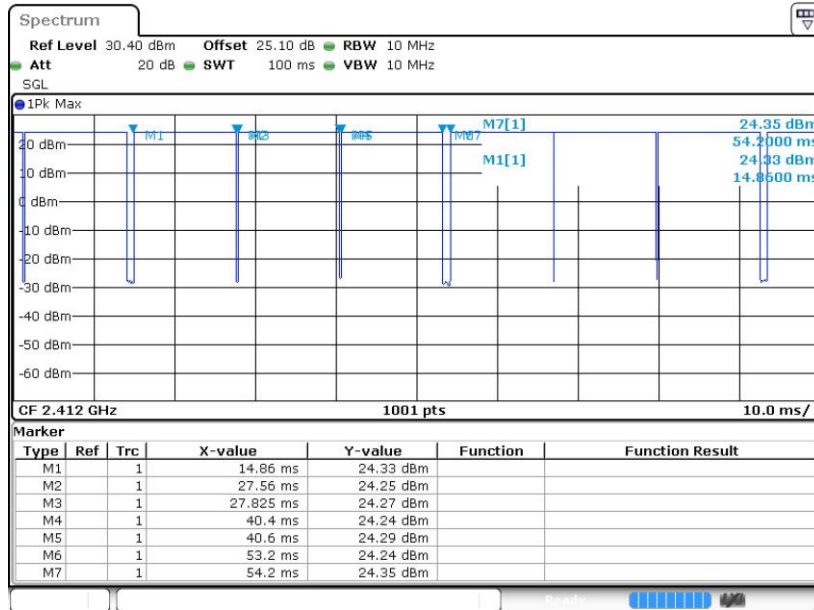
### Appendix E. Duty Cycle Plots

| Antenna | Band                    | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|---------|-------------------------|---------------|-------|----------|-------------|-----------------|
| 1+2     | 802.11b for Ant.1       | 96.28         | 12600 | 0.08     | 100Hz       | 0.16            |
| 1+2     | 802.11b for Ant.2       | 96.52         | 12600 | 0.08     | 100Hz       | 0.15            |
| 1+2     | 802.11g for Ant.1       | 94.19         | 1977  | 0.51     | 1kHz        | 0.26            |
| 1+2     | 802.11g for Ant.2       | 94.05         | 1975  | 0.51     | 1kHz        | 0.27            |
| 1+2     | 802.11ax HE20 for Ant.1 | 94.93         | 5435  | 0.18     | 300Hz       | 0.23            |
| 1+2     | 802.11ax HE20 for Ant.2 | 96.55         | 5450  | 0.18     | 300Hz       | 0.15            |
| 1+2     | 802.11ax HE40 for Ant.1 | 94.83         | 5410  | 0.18     | 300Hz       | 0.23            |
| 1+2     | 802.11ax HE40 for Ant.2 | 95.16         | 5415  | 0.18     | 300Hz       | 0.22            |



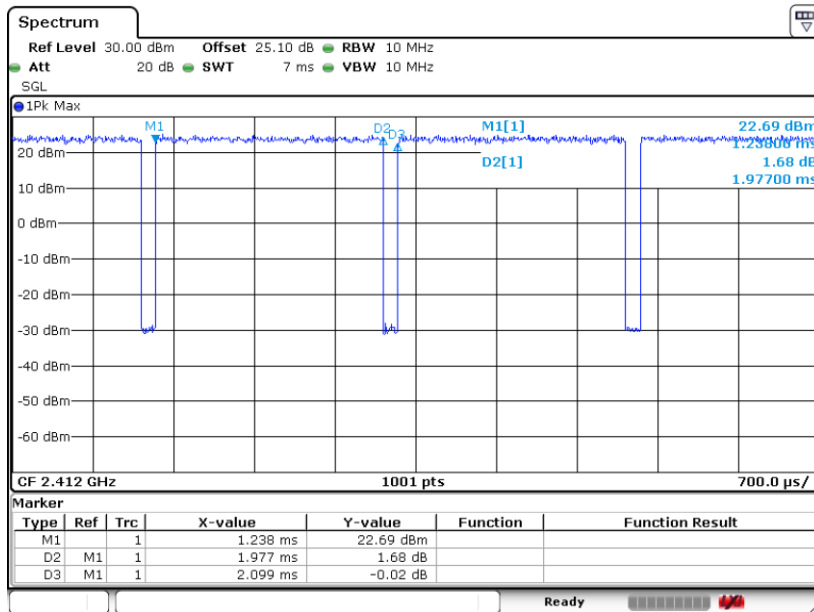
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802.11b



Date: 27.JAN.2020 11:20:44

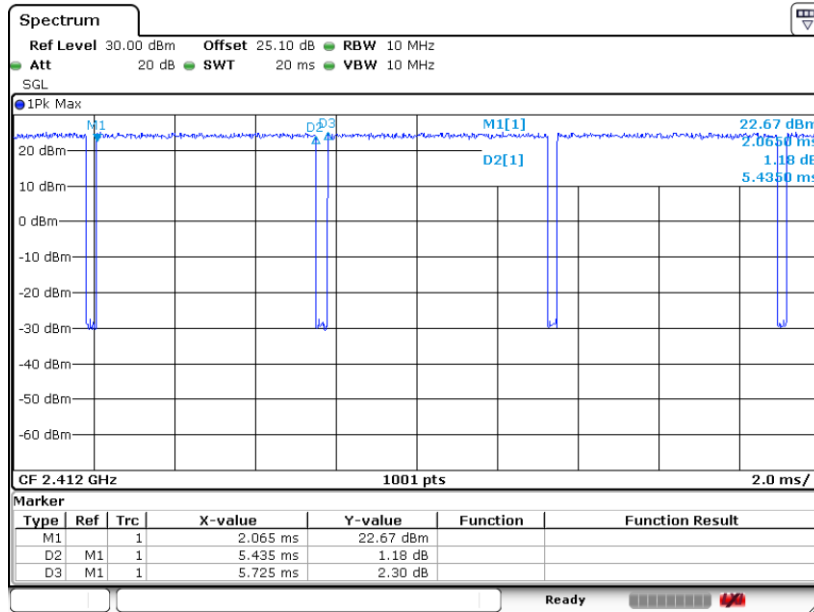
802.11g



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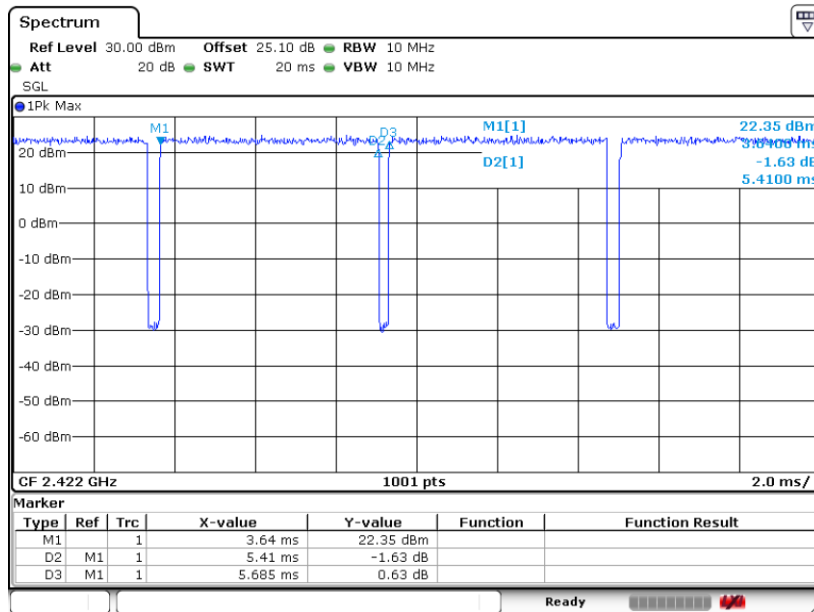


802.11ax HE20



Date: 27.JAN.2020 13:21:53

802.11ax HE40

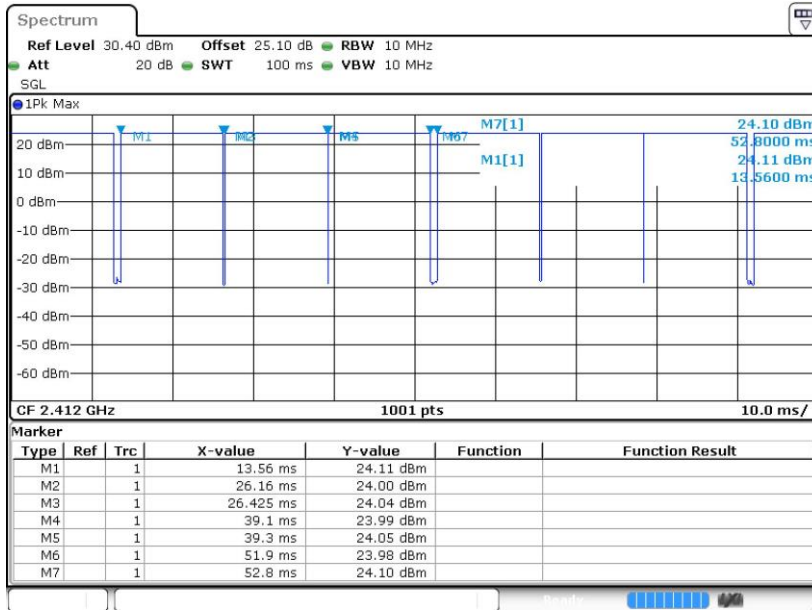


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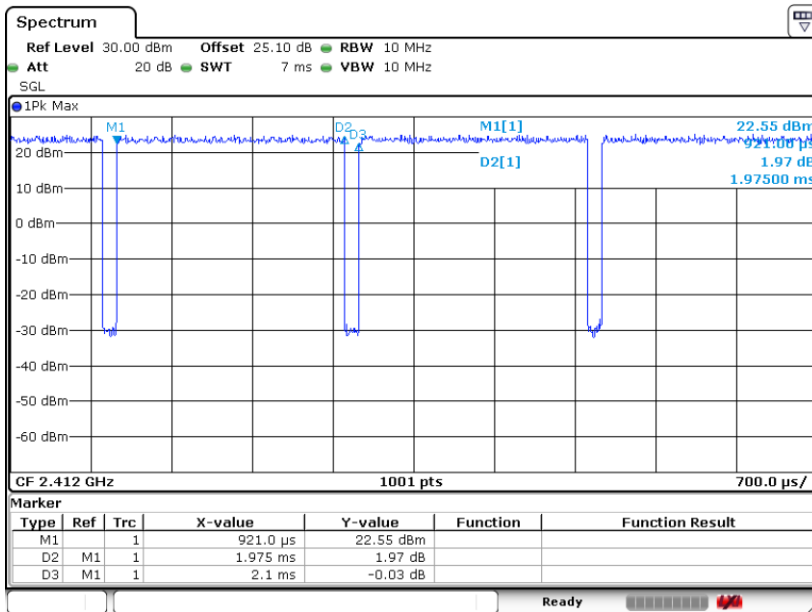
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802.11b



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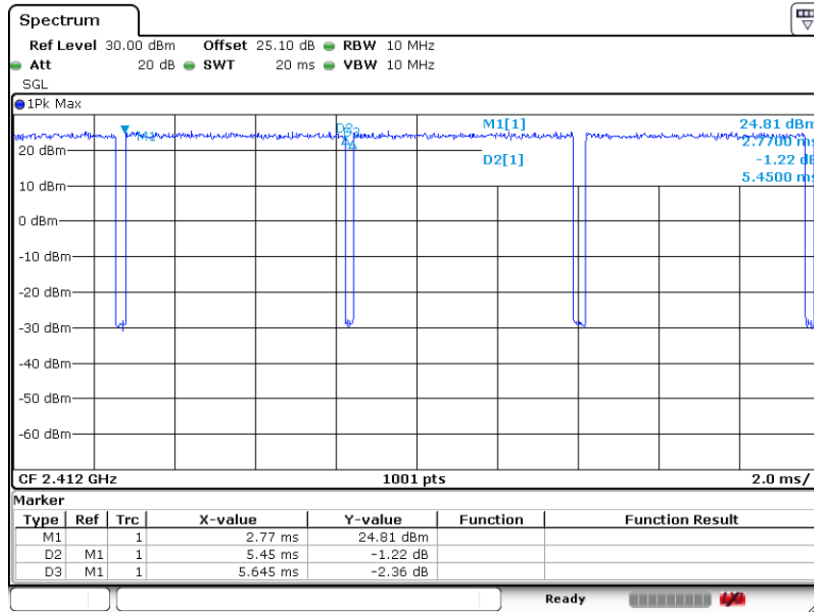
802.11g



Date: 27.JAN.2020 11:27:43

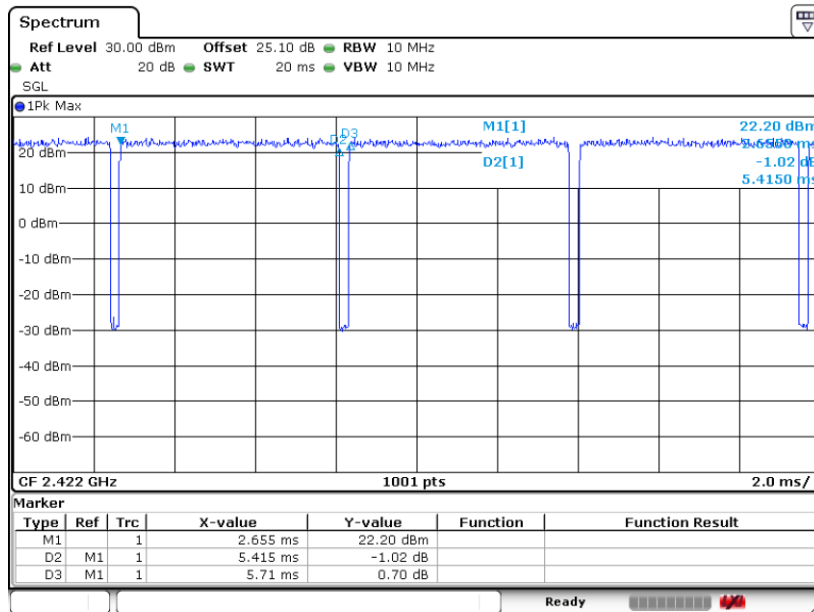


802.11ax HE20



Date: 27. JAN. 2020 13:22:45

802.11ax HE40



Date: 27. JAN. 2020 13:27:01