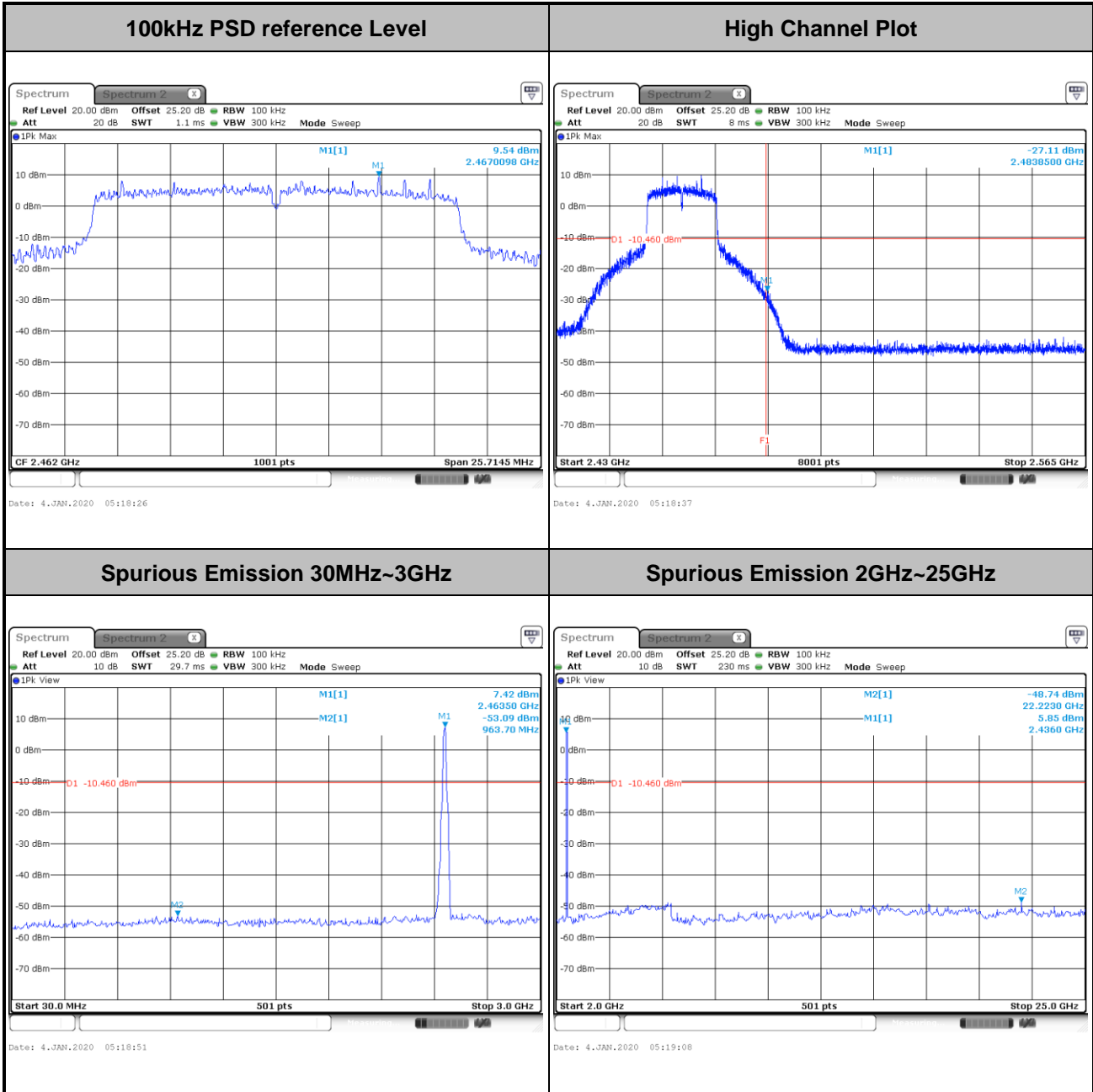


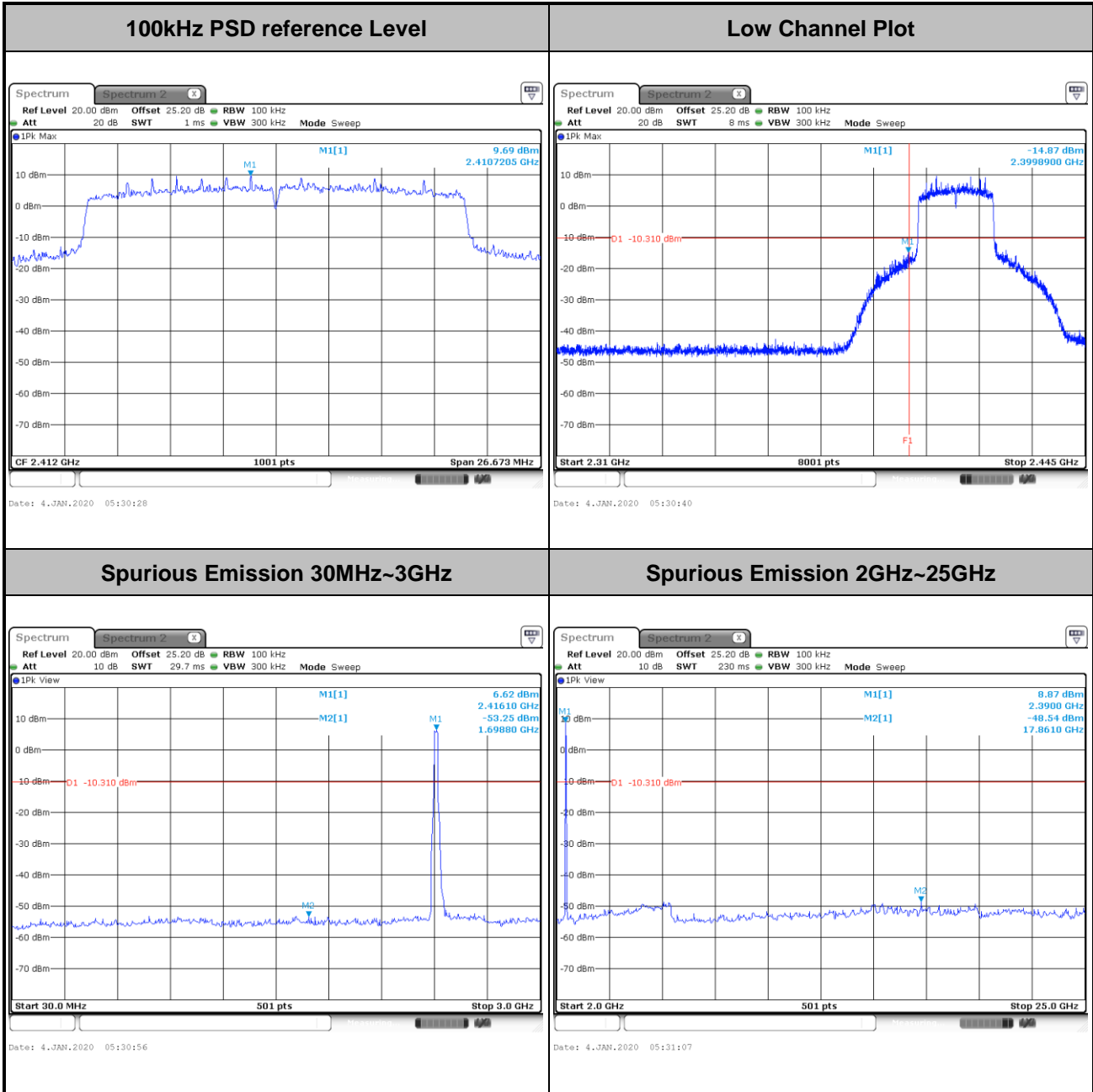


|             |              |                |    |
|-------------|--------------|----------------|----|
| Test Mode : | 802.11n HT20 | Test Channel : | 11 |
|-------------|--------------|----------------|----|



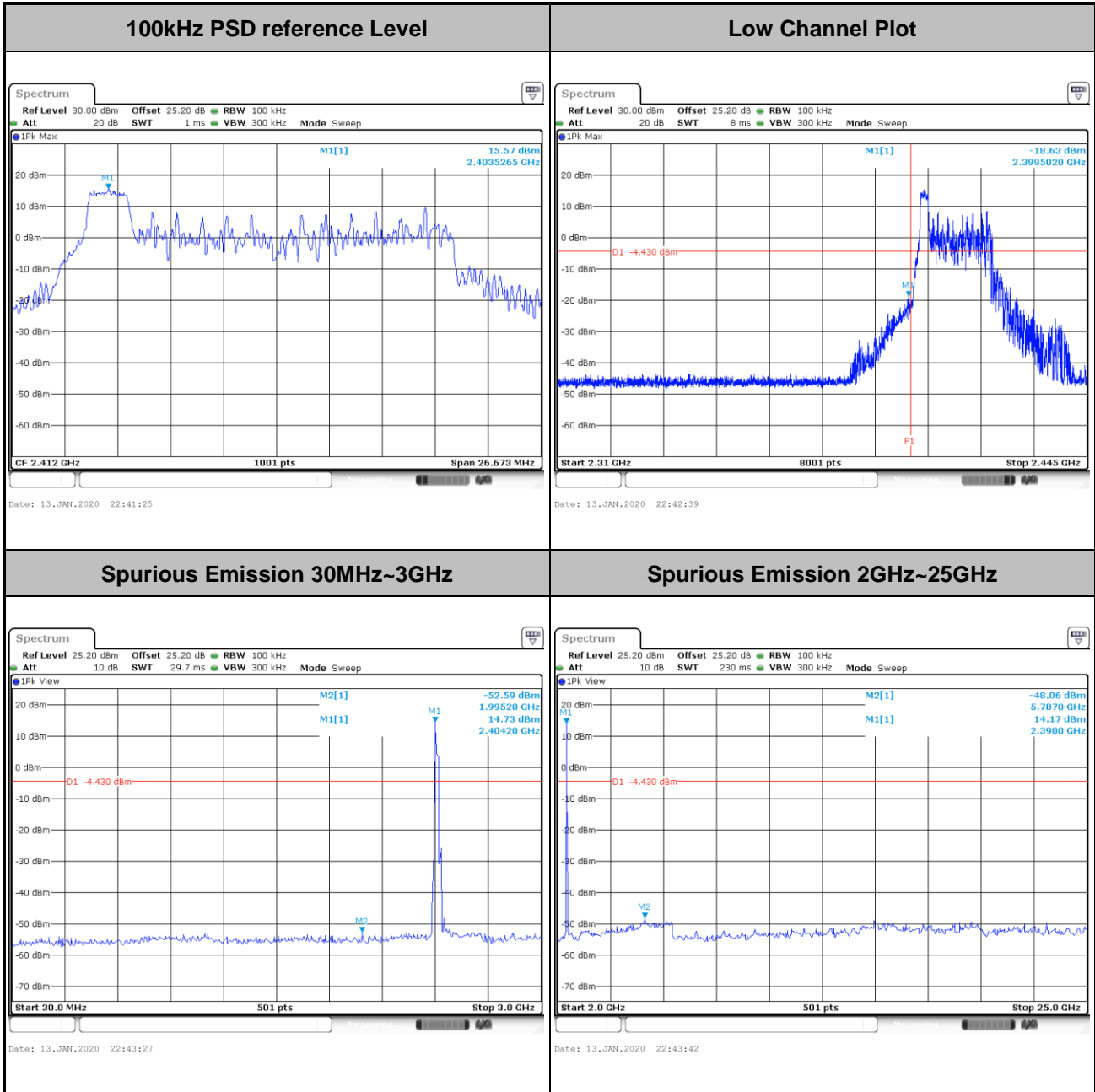


|                    |               |                       |            |
|--------------------|---------------|-----------------------|------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 01 Full RU |
|--------------------|---------------|-----------------------|------------|



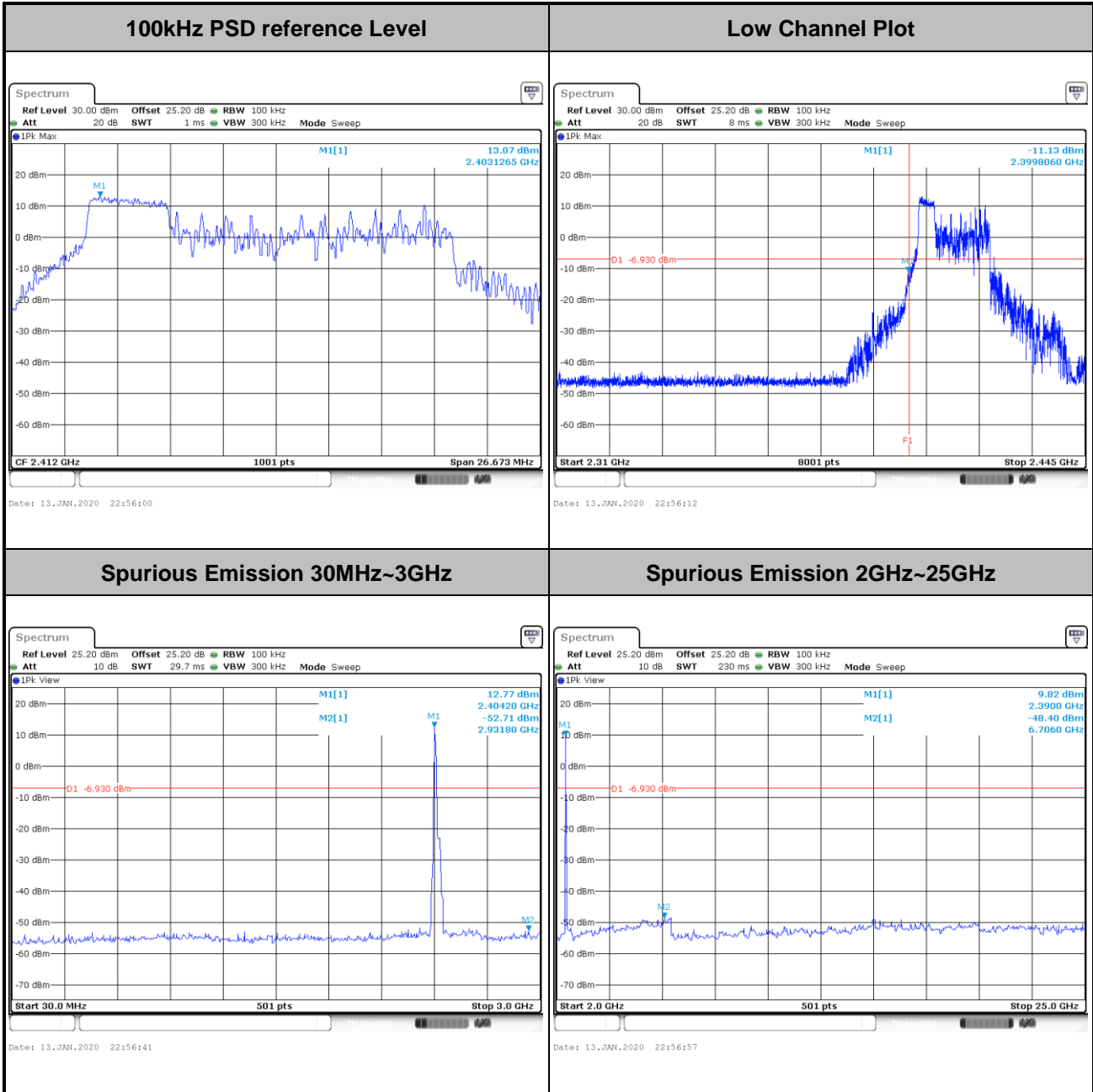


|                    |               |                       |                    |
|--------------------|---------------|-----------------------|--------------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 01 Partial RU 26/0 |
|--------------------|---------------|-----------------------|--------------------|



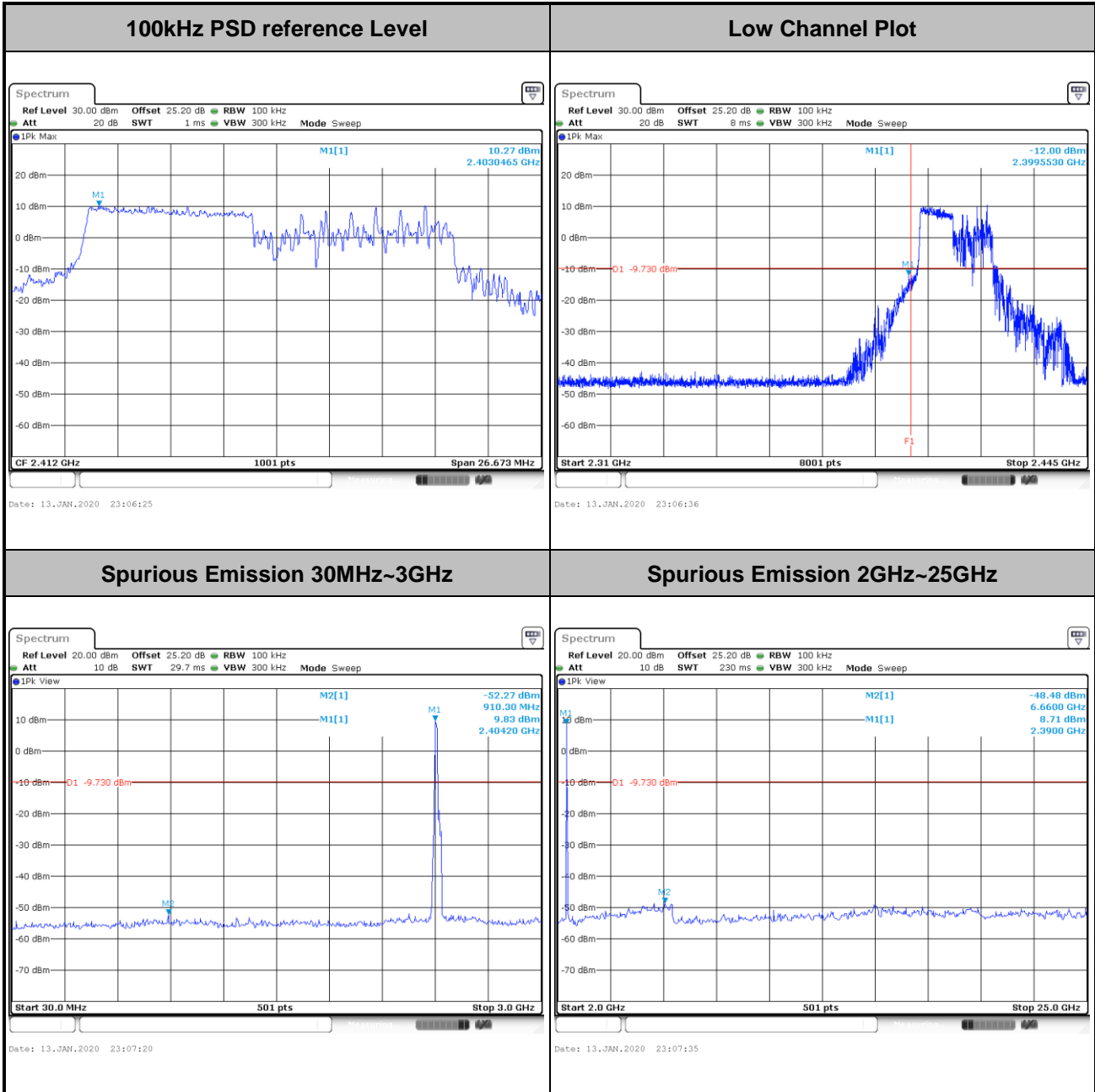


|                    |               |                       |                     |
|--------------------|---------------|-----------------------|---------------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 01 Partial RU 52/37 |
|--------------------|---------------|-----------------------|---------------------|





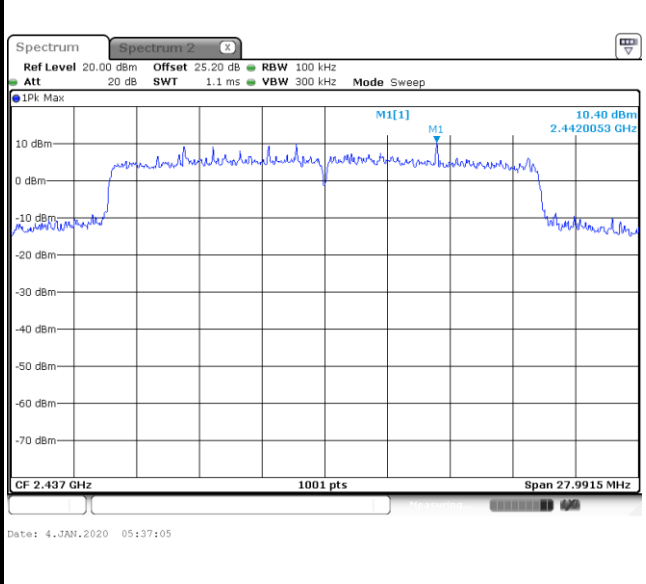
|                    |               |                       |                      |
|--------------------|---------------|-----------------------|----------------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 01 Partial RU 106/53 |
|--------------------|---------------|-----------------------|----------------------|



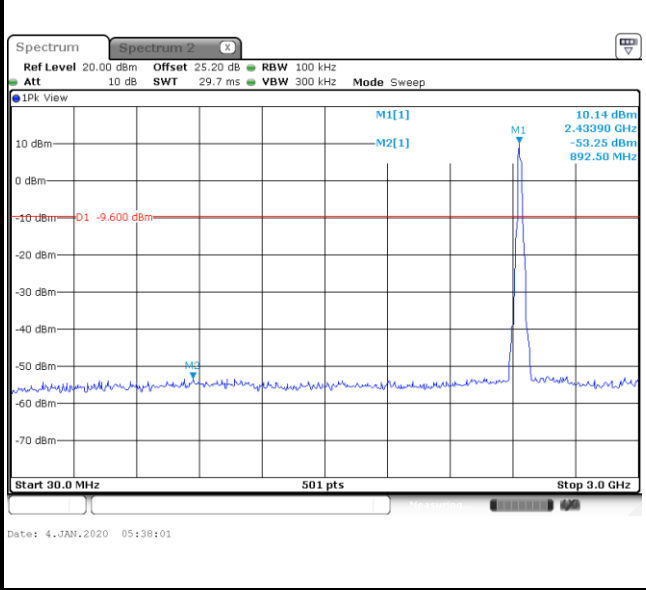


|                    |               |                       |            |
|--------------------|---------------|-----------------------|------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 06 Full RU |
|--------------------|---------------|-----------------------|------------|

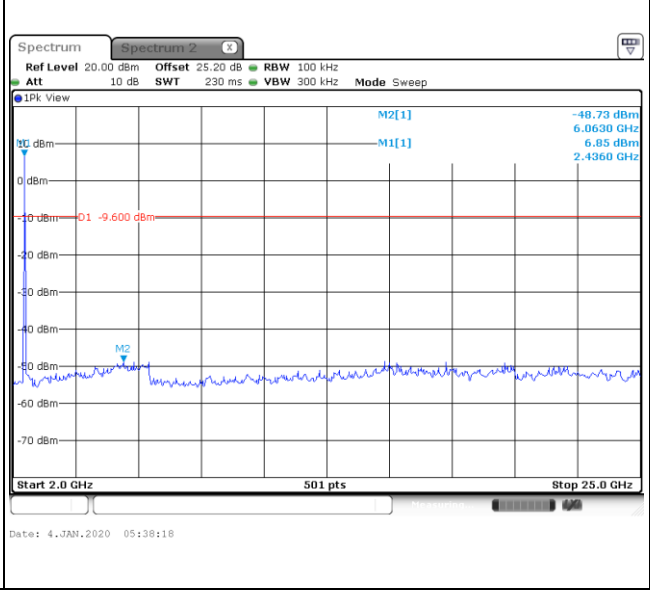
|                                   |                         |
|-----------------------------------|-------------------------|
| <b>100kHz PSD reference Level</b> | <b>Mid Channel Plot</b> |
|-----------------------------------|-------------------------|



**Spurious Emission 30MHz~3GHz**

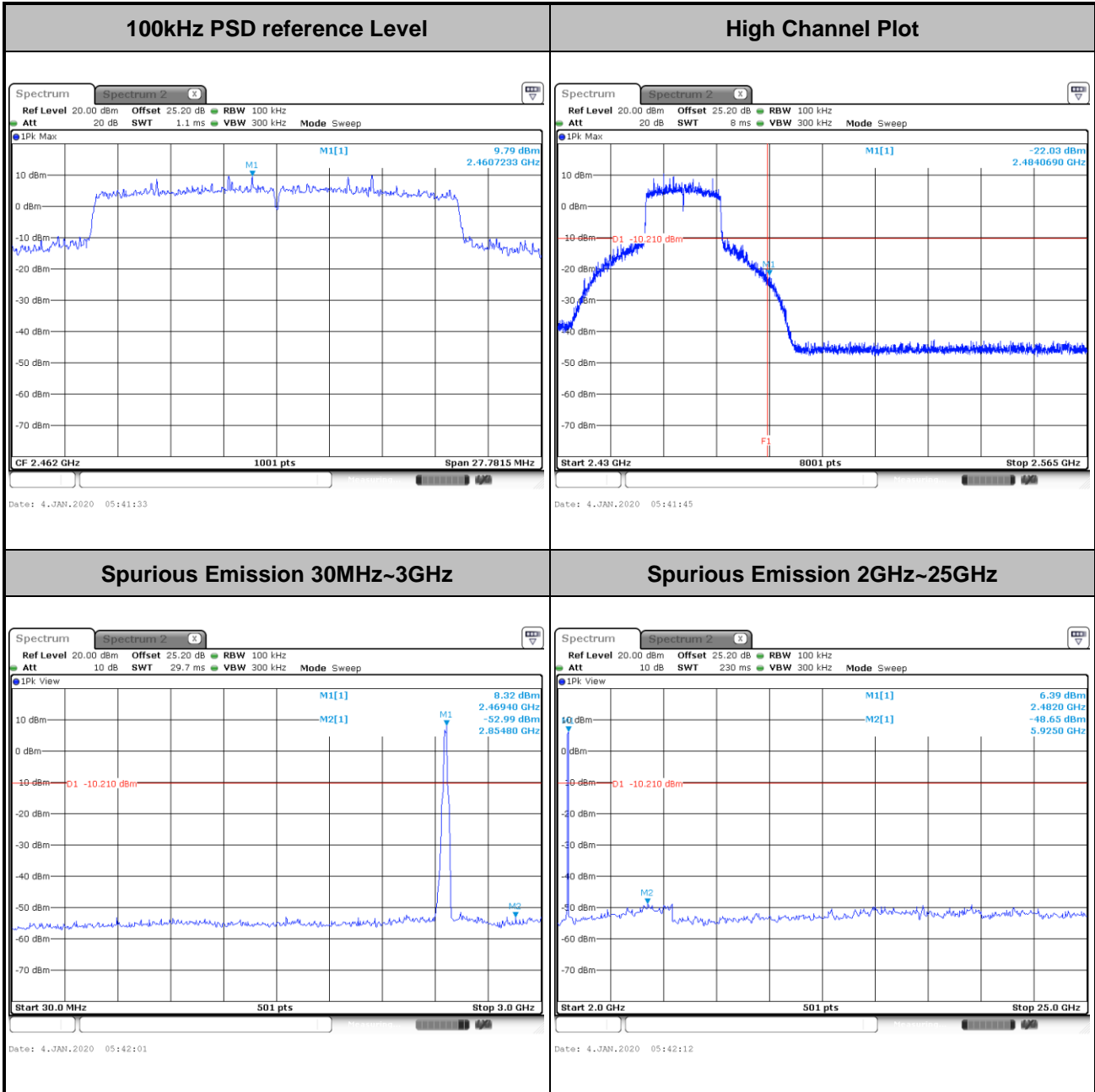


**Spurious Emission 2GHz~25GHz**



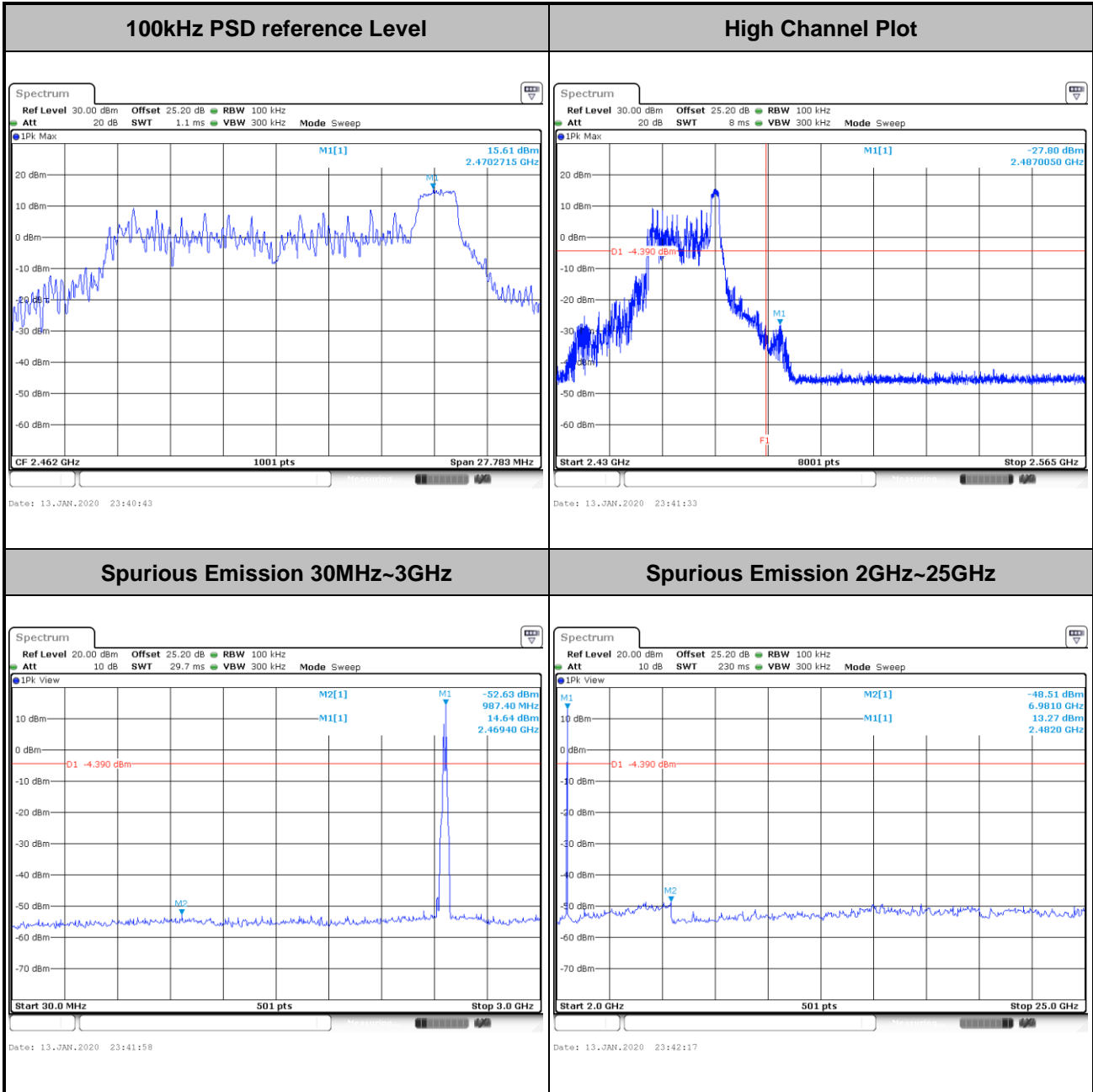


|             |               |                |            |
|-------------|---------------|----------------|------------|
| Test Mode : | 802.11ax HE20 | Test Channel : | 11 Full RU |
|-------------|---------------|----------------|------------|





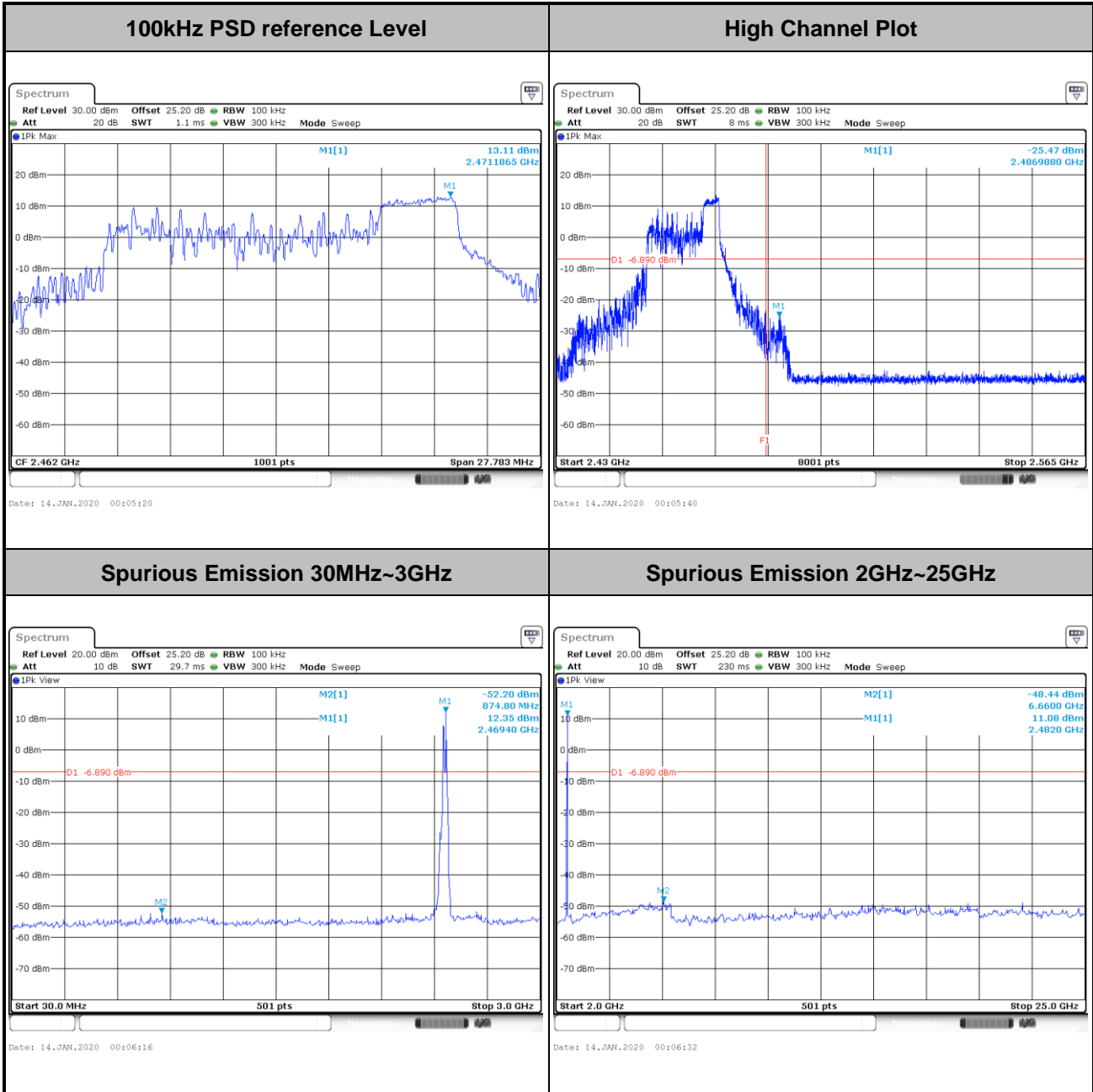
|                    |               |                       |                    |
|--------------------|---------------|-----------------------|--------------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 11 Partial RU 26/8 |
|--------------------|---------------|-----------------------|--------------------|





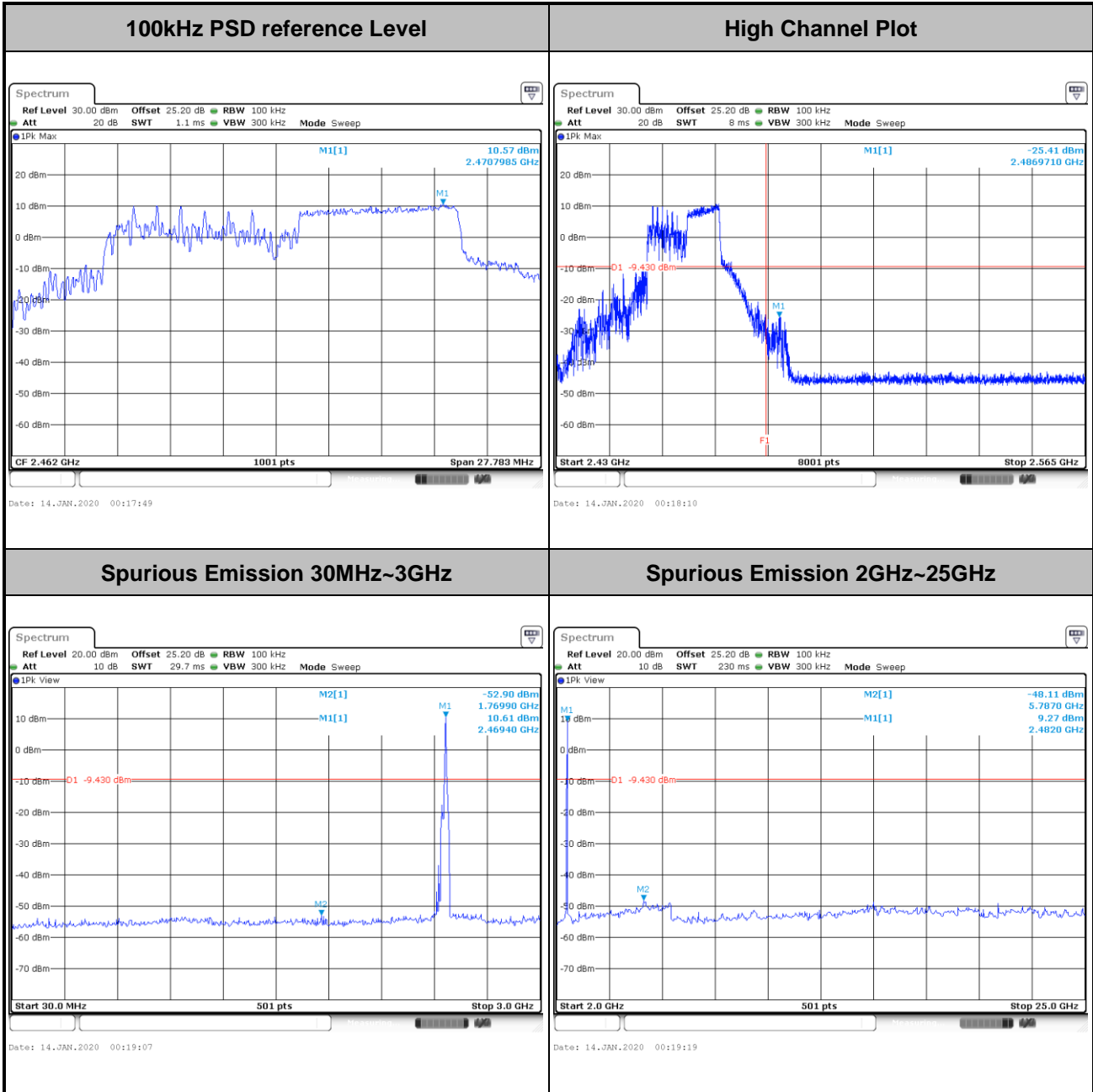


|                    |               |                       |                     |
|--------------------|---------------|-----------------------|---------------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 11 Partial RU 52/40 |
|--------------------|---------------|-----------------------|---------------------|



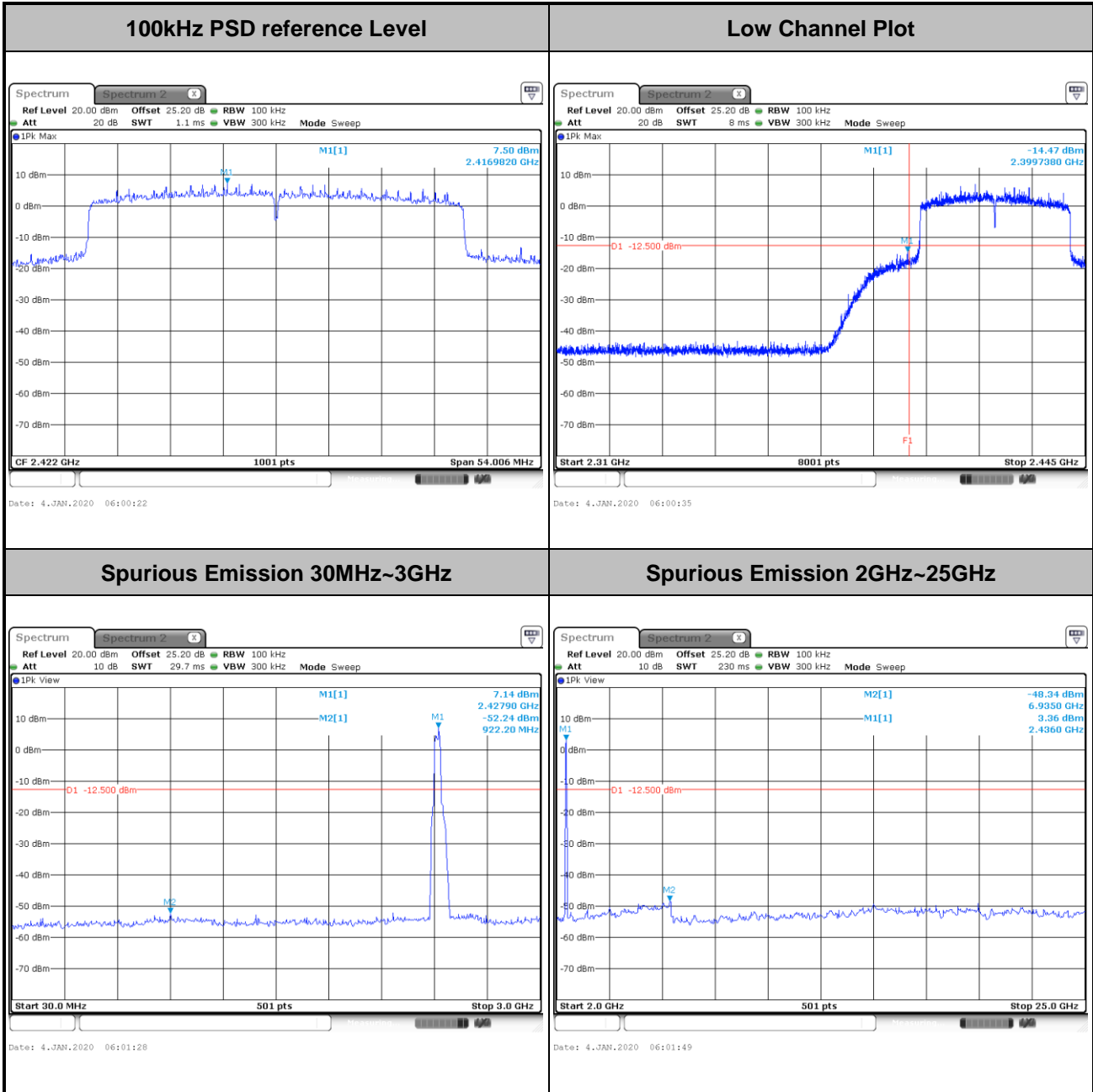


|                    |               |                       |                      |
|--------------------|---------------|-----------------------|----------------------|
| <b>Test Mode :</b> | 802.11ax HE20 | <b>Test Channel :</b> | 11 Partial RU 106/54 |
|--------------------|---------------|-----------------------|----------------------|



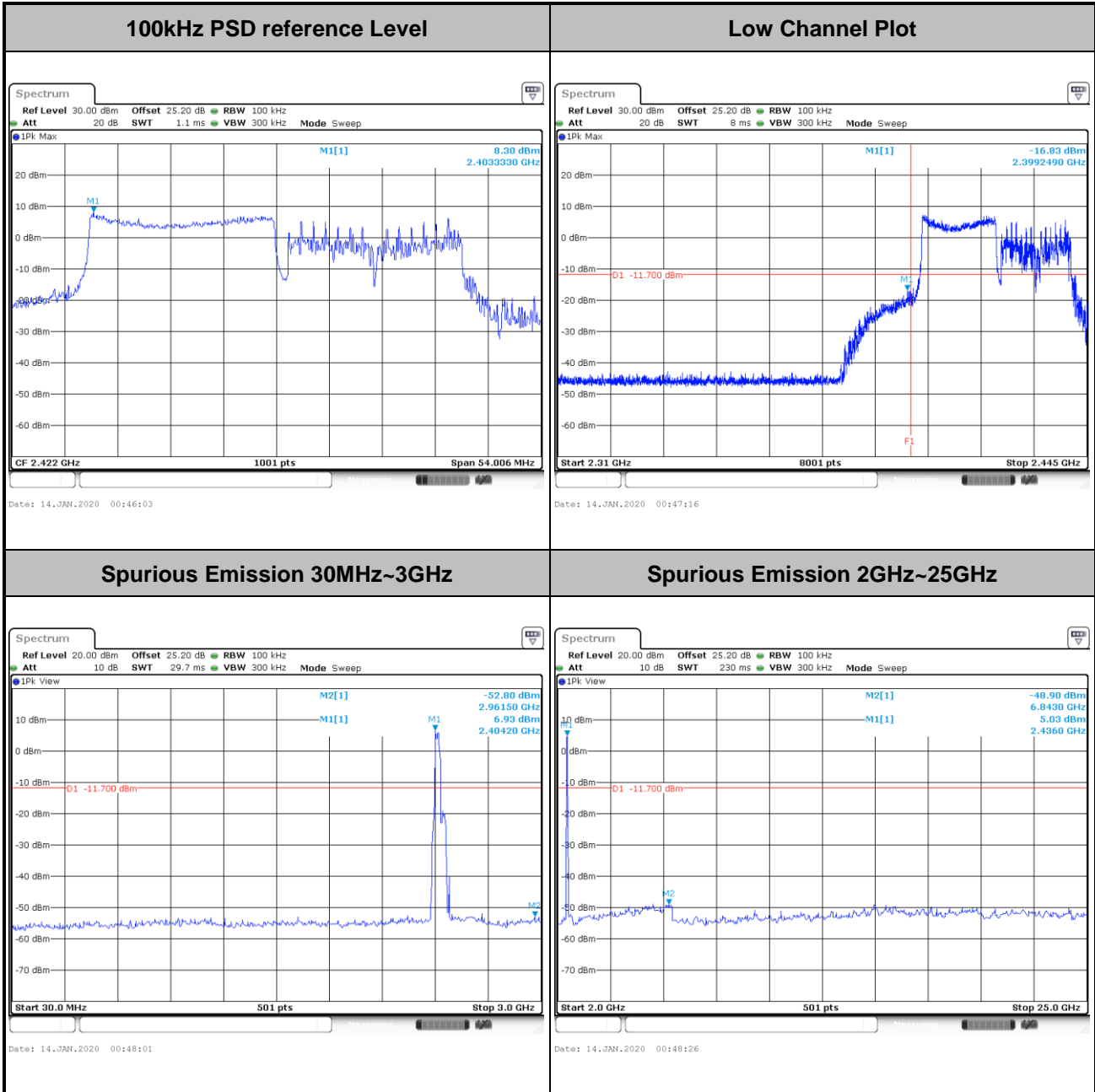


|                    |               |                       |            |
|--------------------|---------------|-----------------------|------------|
| <b>Test Mode :</b> | 802.11ax HE40 | <b>Test Channel :</b> | 03 Full RU |
|--------------------|---------------|-----------------------|------------|



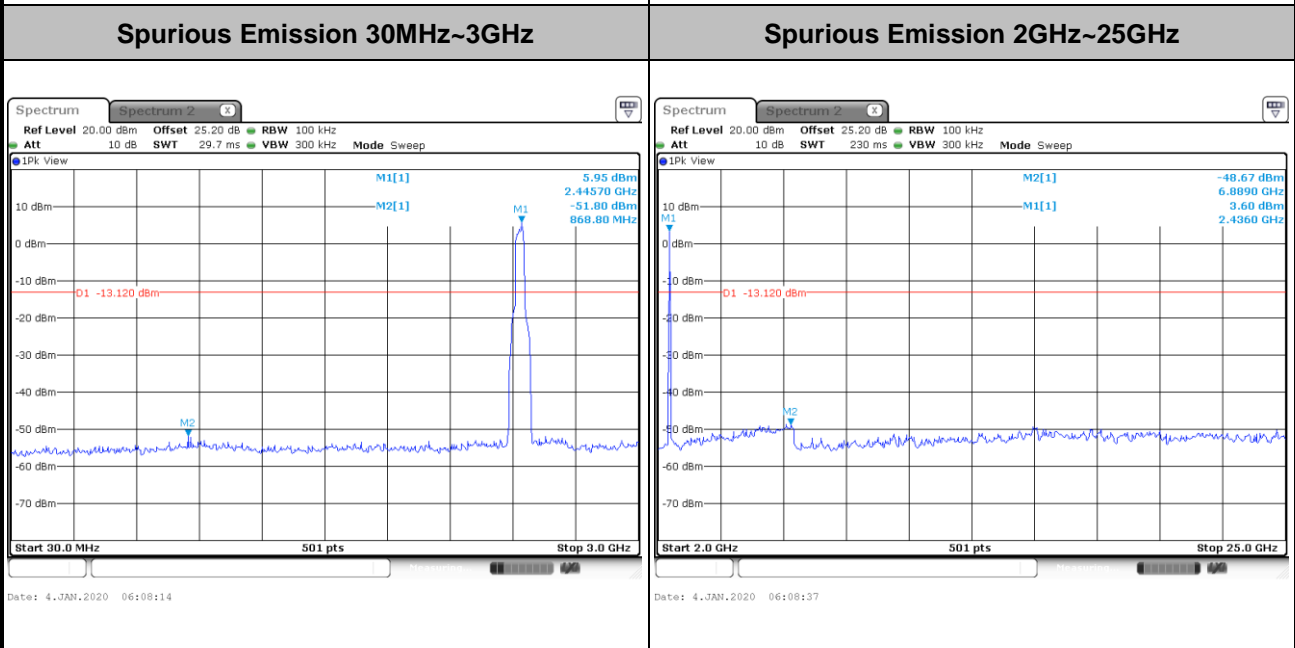
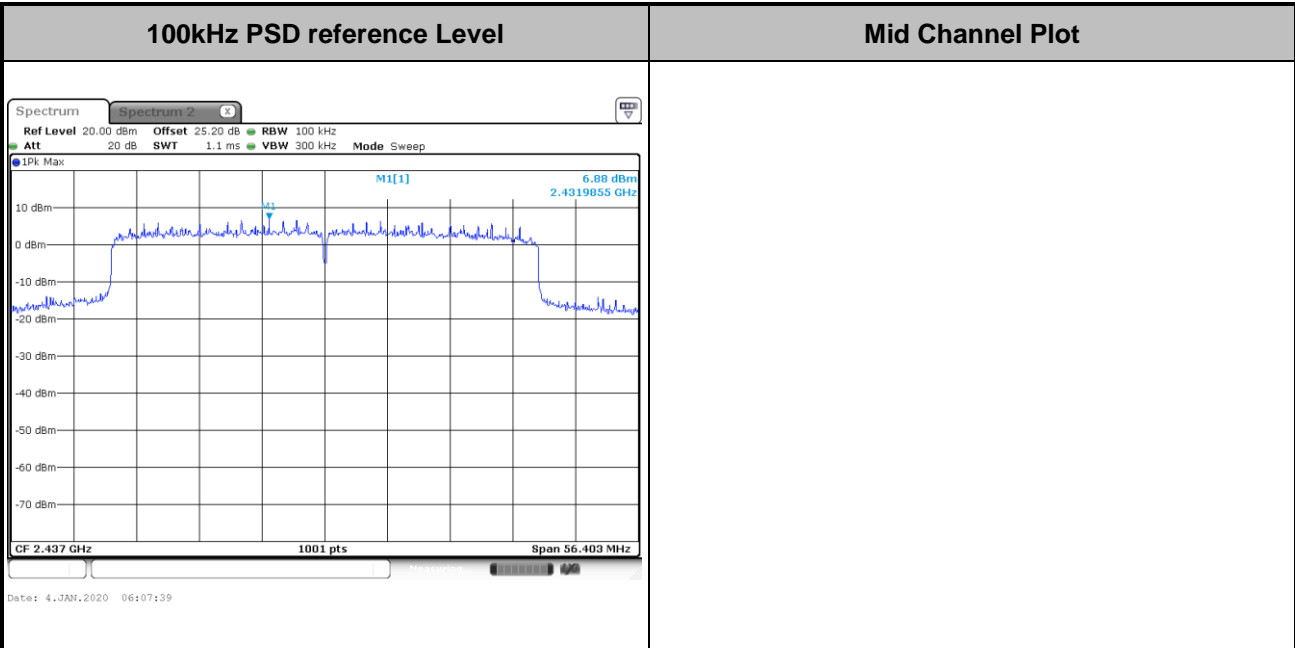


|             |               |                |                      |
|-------------|---------------|----------------|----------------------|
| Test Mode : | 802.11ax HE40 | Test Channel : | 03 Partial RU 262/61 |
|-------------|---------------|----------------|----------------------|



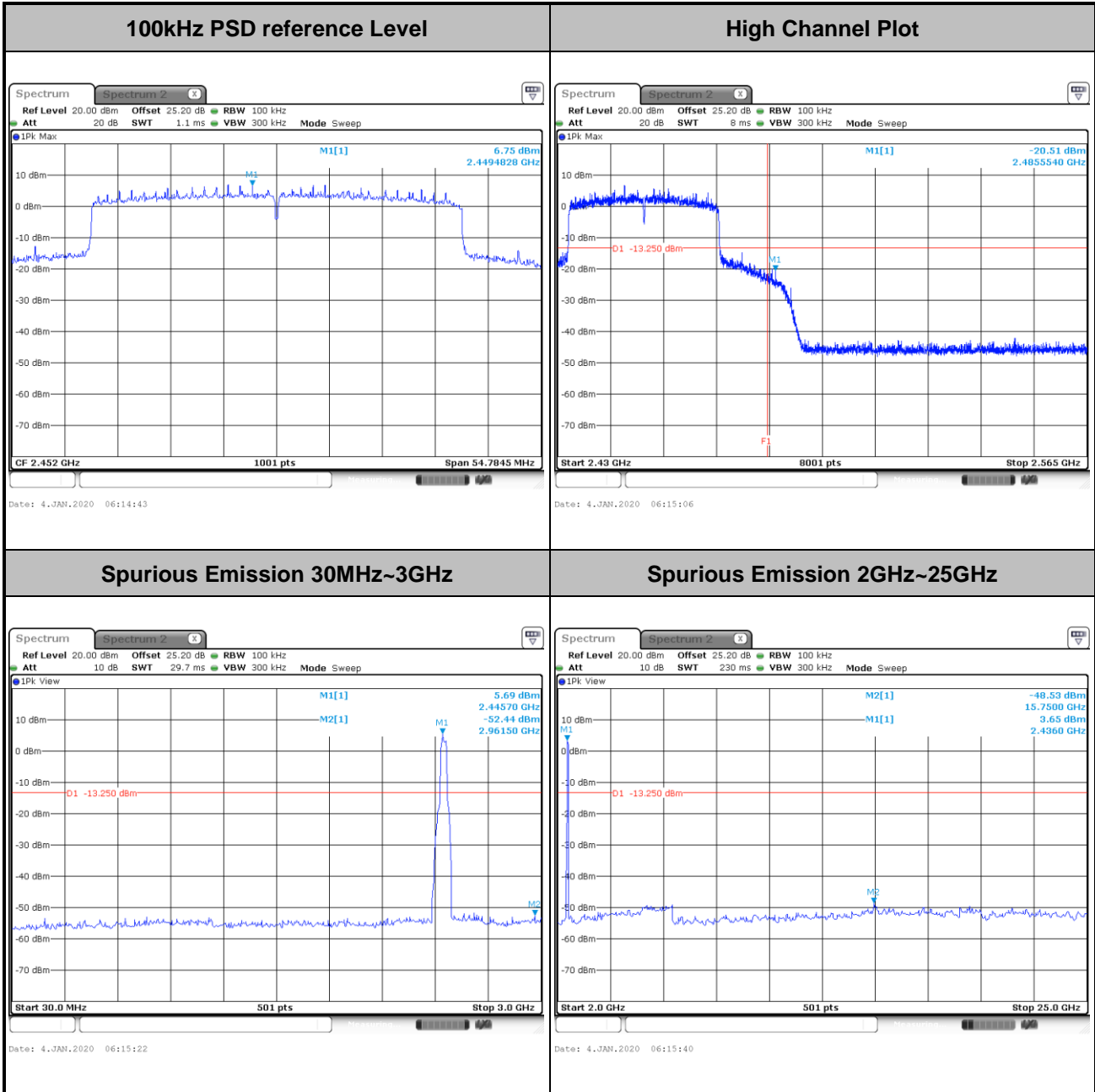


|                    |               |                       |            |
|--------------------|---------------|-----------------------|------------|
| <b>Test Mode :</b> | 802.11ax HE40 | <b>Test Channel :</b> | 06 Full RU |
|--------------------|---------------|-----------------------|------------|



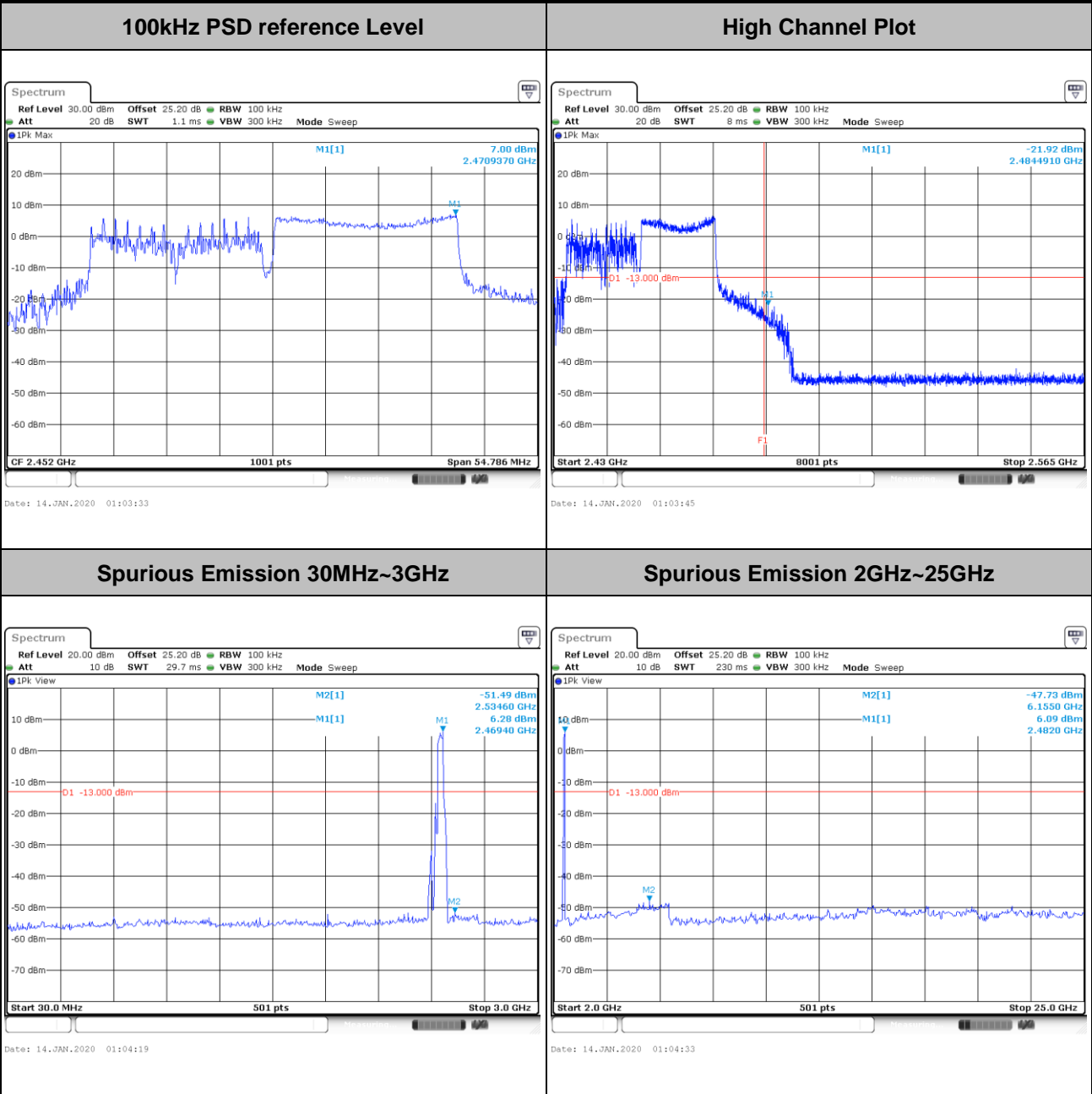


|             |               |                |            |
|-------------|---------------|----------------|------------|
| Test Mode : | 802.11ax HE40 | Test Channel : | 09 Full RU |
|-------------|---------------|----------------|------------|





|                    |               |                       |                      |
|--------------------|---------------|-----------------------|----------------------|
| <b>Test Mode :</b> | 802.11ax HE40 | <b>Test Channel :</b> | 09 Partial RU 242/62 |
|--------------------|---------------|-----------------------|----------------------|



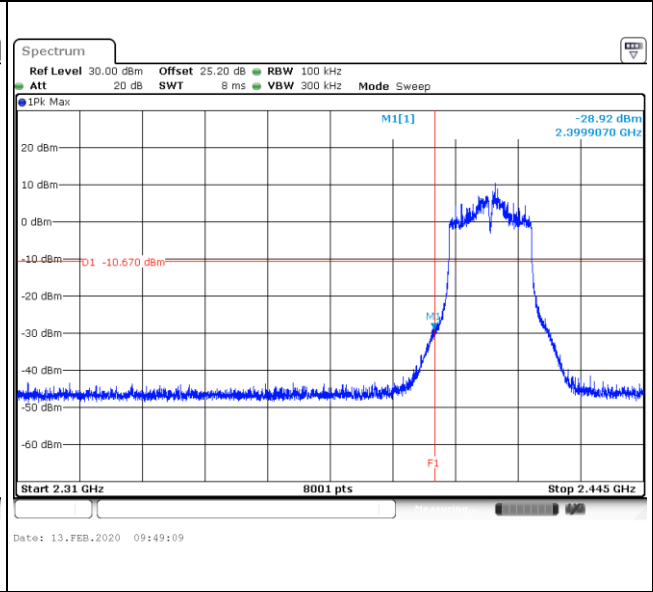
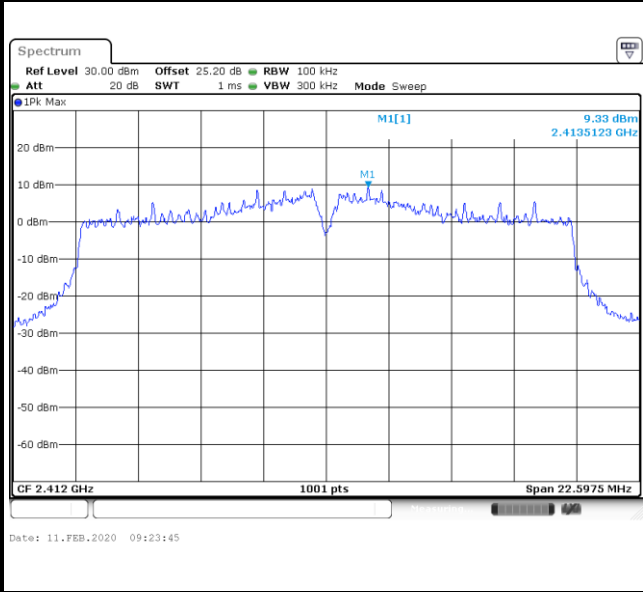


<TXBF Modes>

Number of TX = 2, Ant. 1 (Measured)

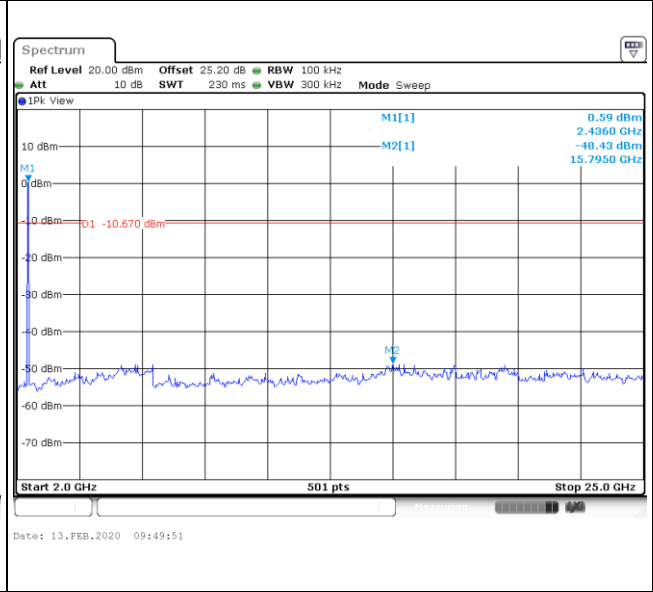
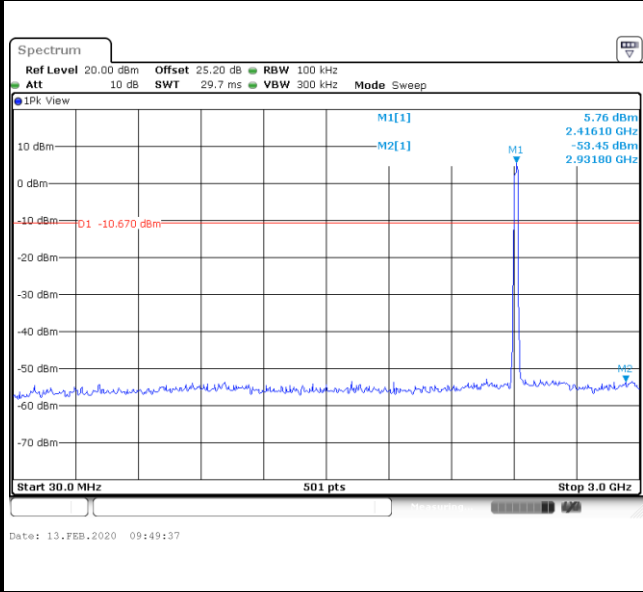
|             |               |                |    |
|-------------|---------------|----------------|----|
| Test Mode : | 802.11ax HE20 | Test Channel : | 01 |
|-------------|---------------|----------------|----|

|                                   |                         |
|-----------------------------------|-------------------------|
| <b>100kHz PSD reference Level</b> | <b>Low Channel Plot</b> |
|-----------------------------------|-------------------------|



**Spurious Emission 30MHz~3GHz**

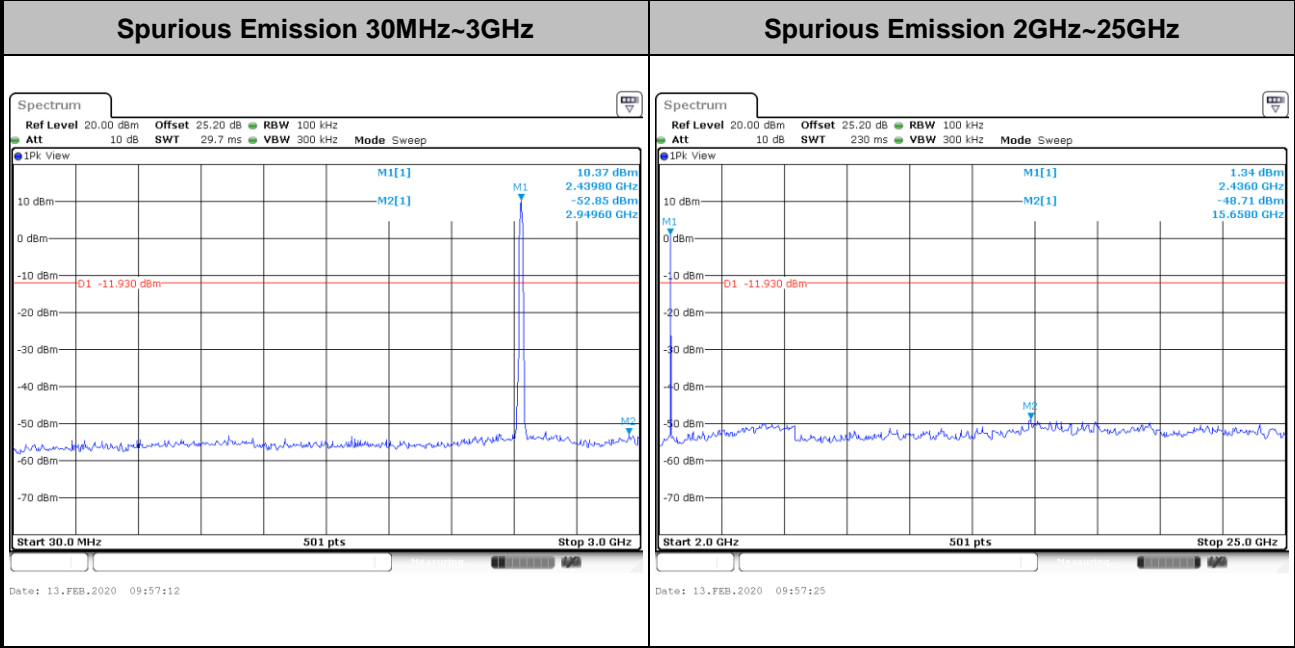
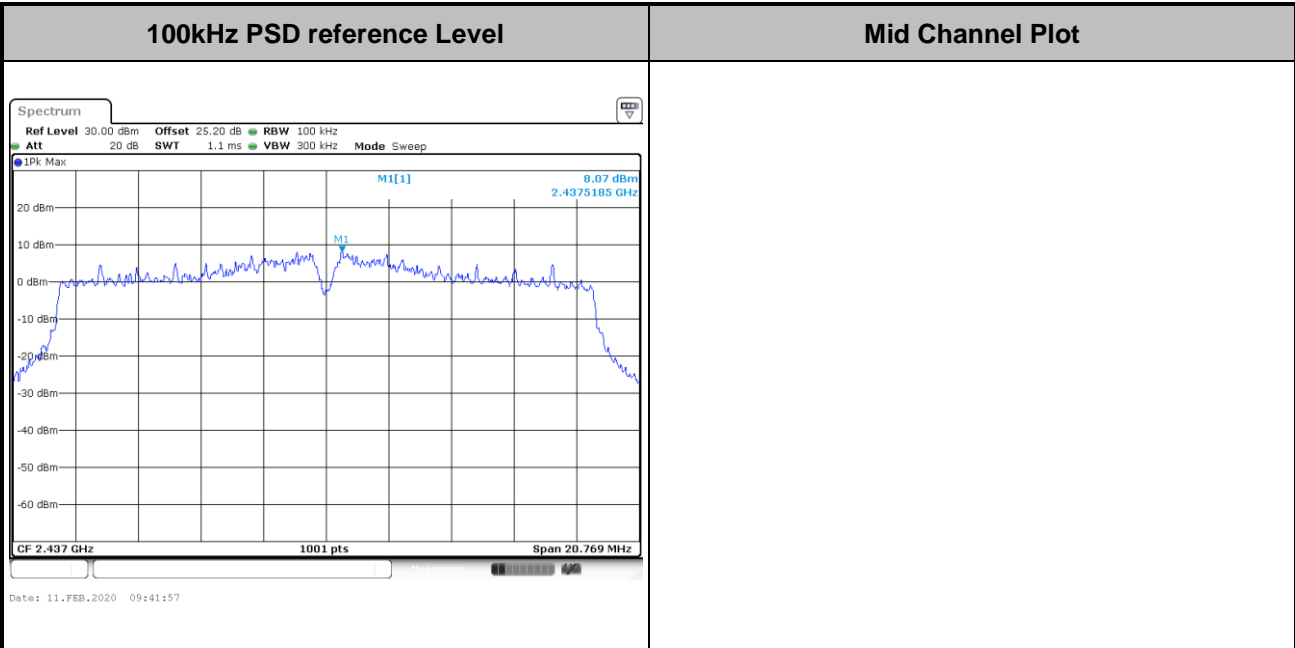
**Spurious Emission 2GHz~25GHz**





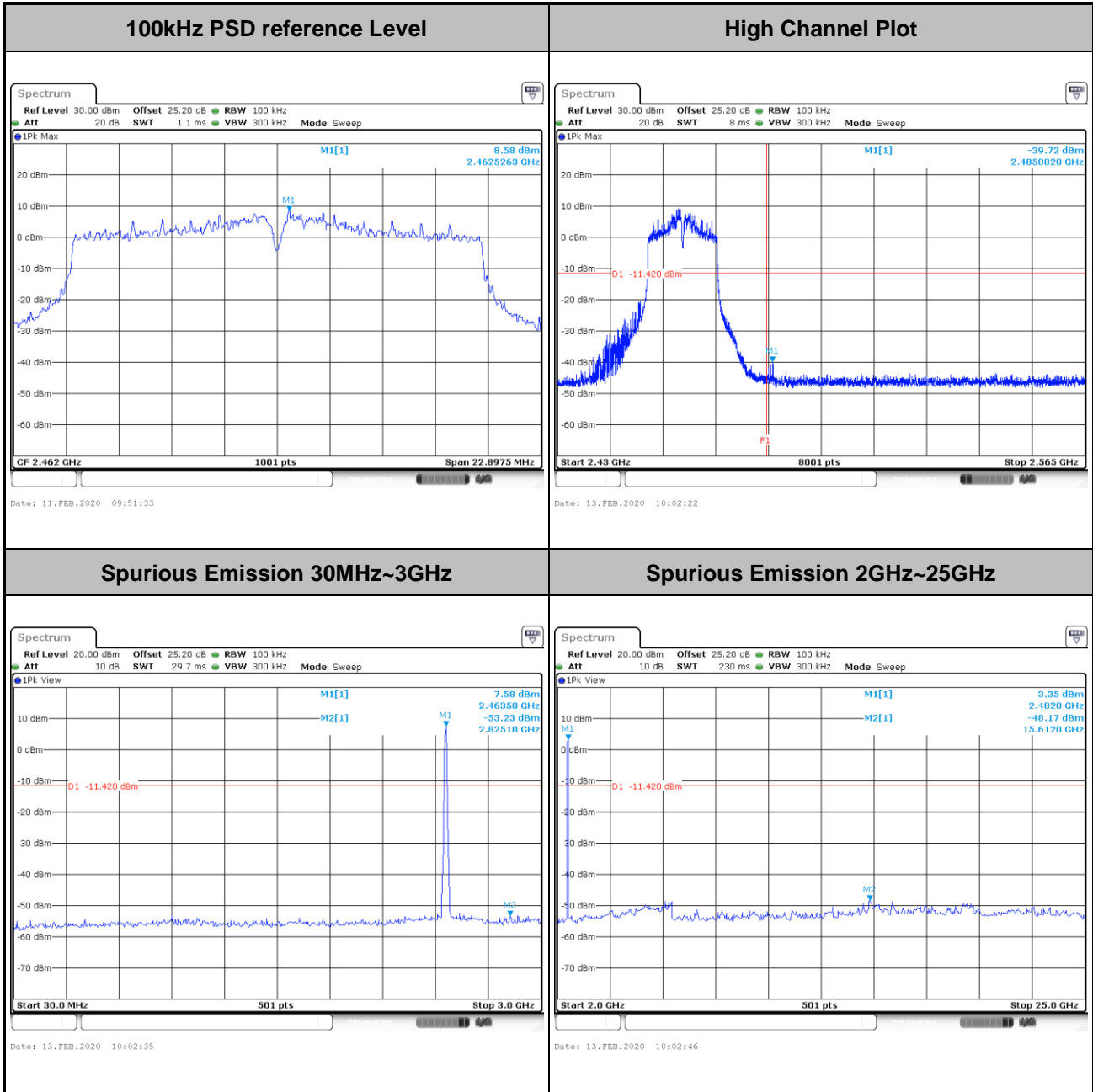


|             |               |                |    |
|-------------|---------------|----------------|----|
| Test Mode : | 802.11ax HE20 | Test Channel : | 06 |
|-------------|---------------|----------------|----|





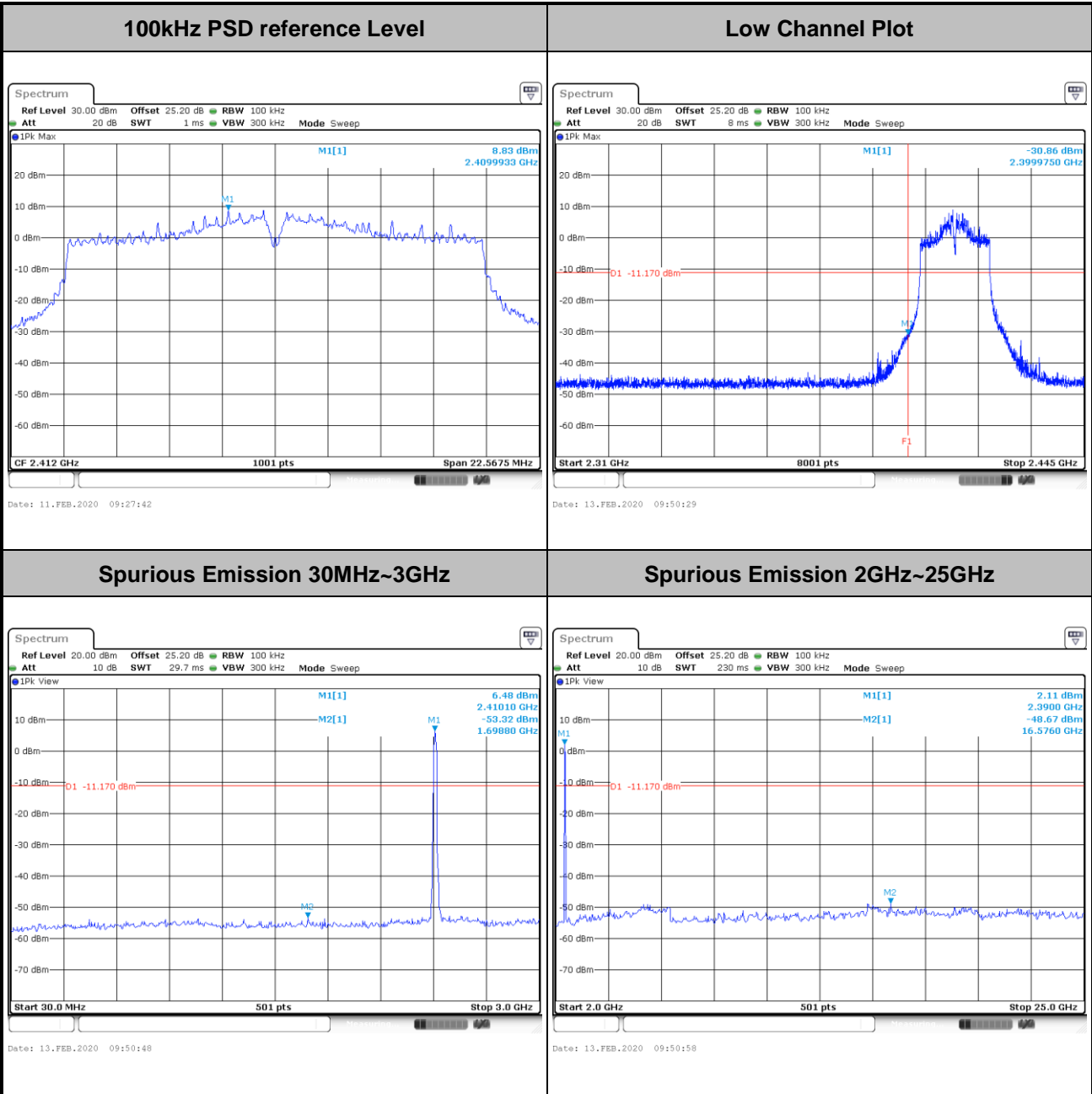
|             |               |                |    |
|-------------|---------------|----------------|----|
| Test Mode : | 802.11ax HE20 | Test Channel : | 11 |
|-------------|---------------|----------------|----|





Number of TX = 2, Ant. 2 (Measured)

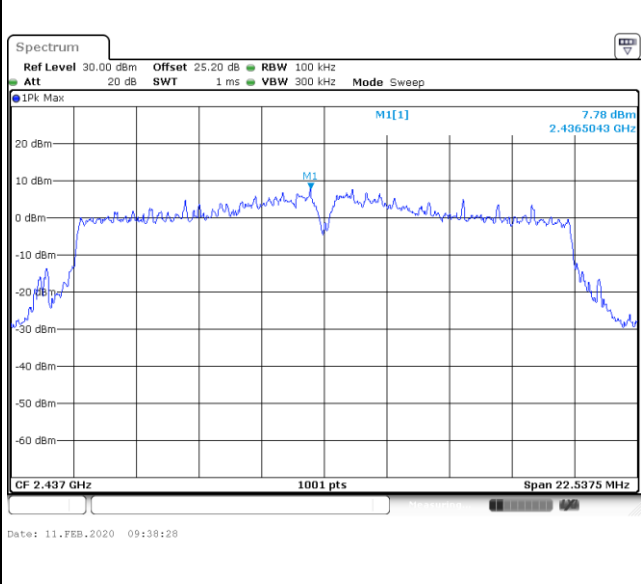
|             |               |                |    |
|-------------|---------------|----------------|----|
| Test Mode : | 802.11ax HE20 | Test Channel : | 01 |
|-------------|---------------|----------------|----|



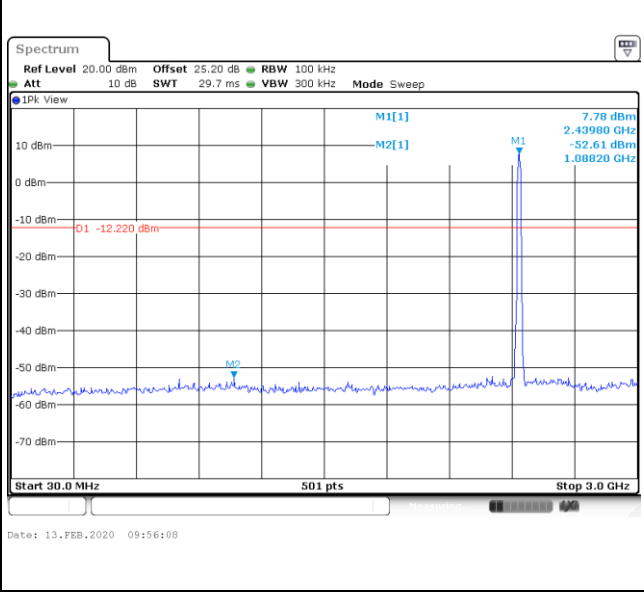


|             |               |                |    |
|-------------|---------------|----------------|----|
| Test Mode : | 802.11ax HE20 | Test Channel : | 06 |
|-------------|---------------|----------------|----|

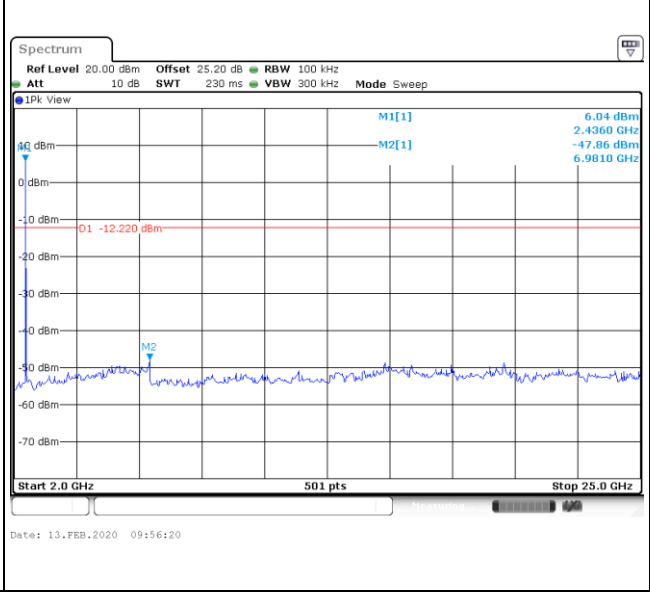
|                                   |                         |
|-----------------------------------|-------------------------|
| <b>100kHz PSD reference Level</b> | <b>Mid Channel Plot</b> |
|-----------------------------------|-------------------------|



**Spurious Emission 30MHz~3GHz**

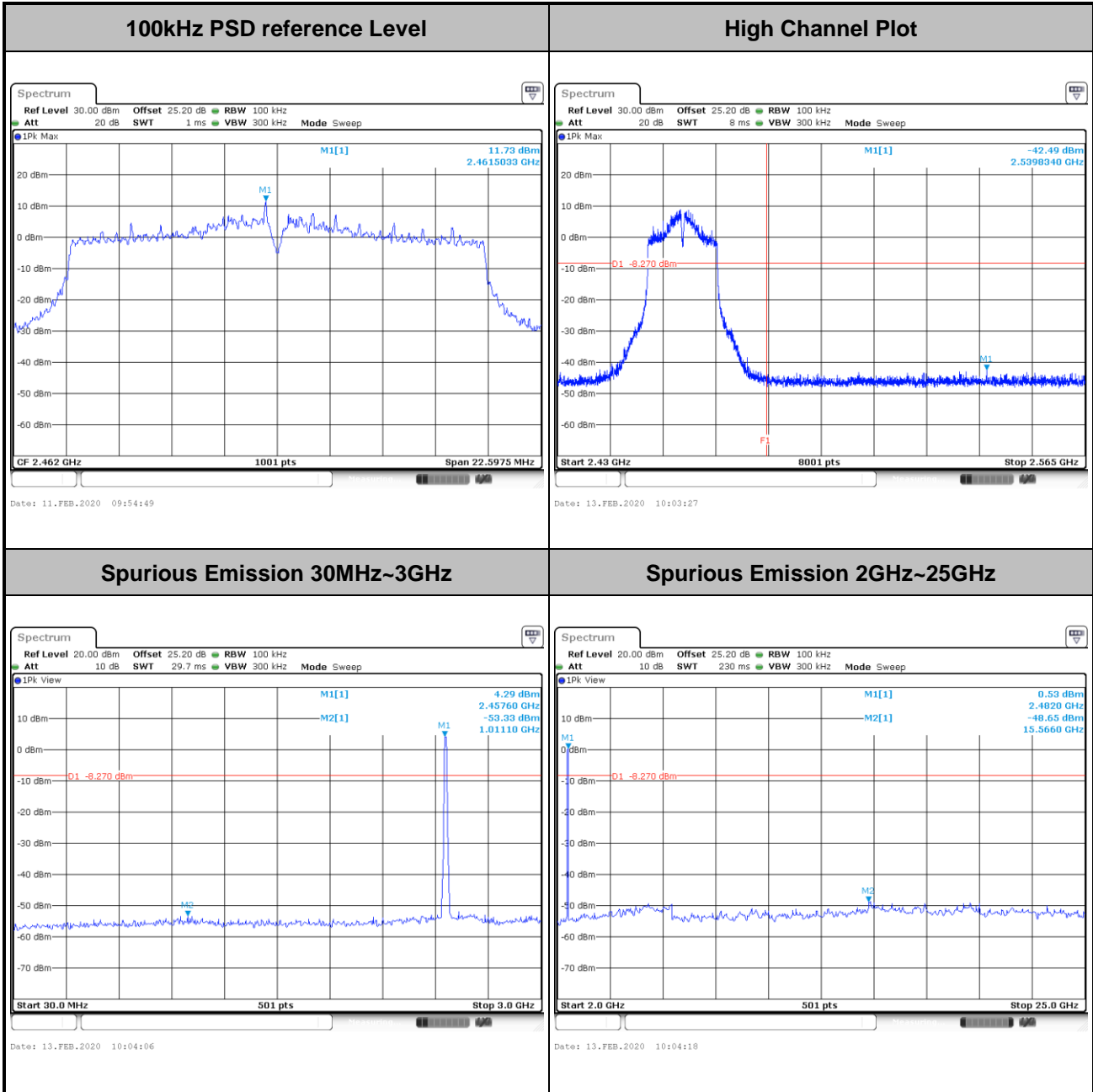


**Spurious Emission 2GHz~25GHz**





|             |               |                |    |
|-------------|---------------|----------------|----|
| Test Mode : | 802.11ax HE20 | Test Channel : | 11 |
|-------------|---------------|----------------|----|





### 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

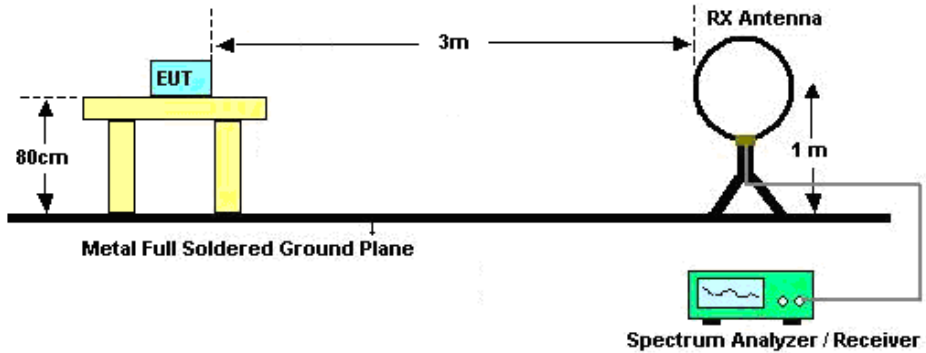
See list of measuring equipment of this test report.

**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.

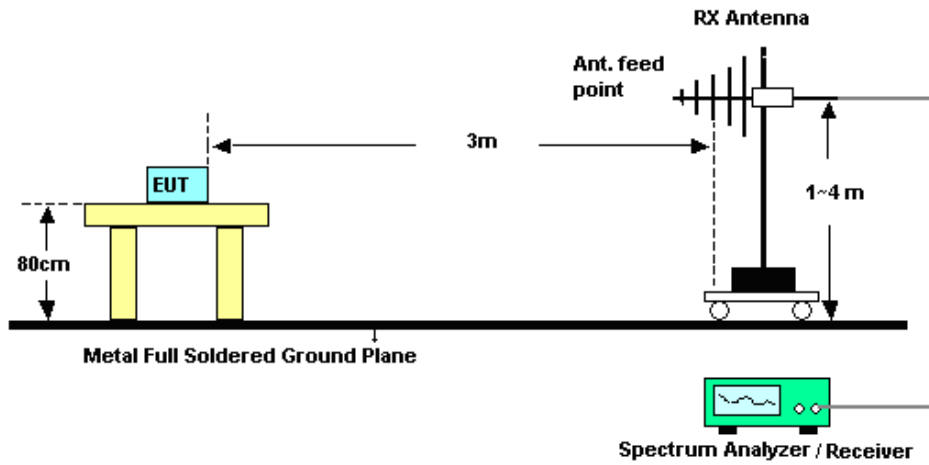
### 3.5.4 Test Setup

For radiated emissions below 30MHz

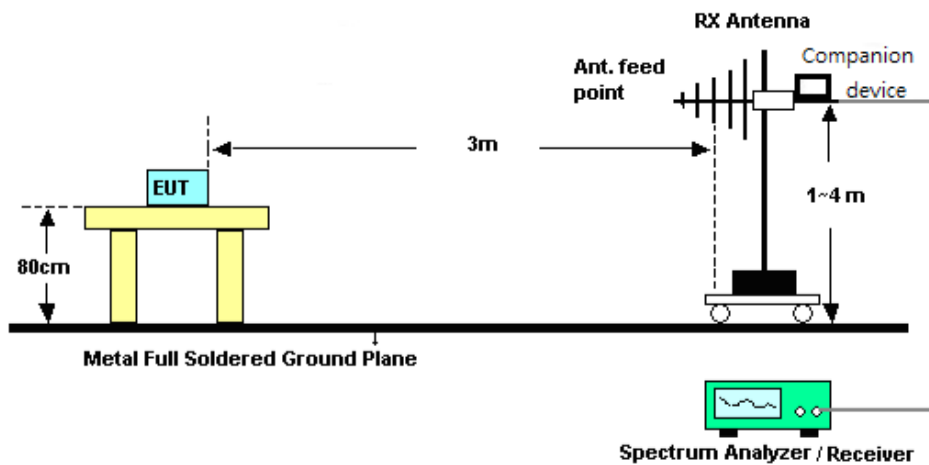


For radiated emissions from 30MHz to 1GHz

<CDD Mode>



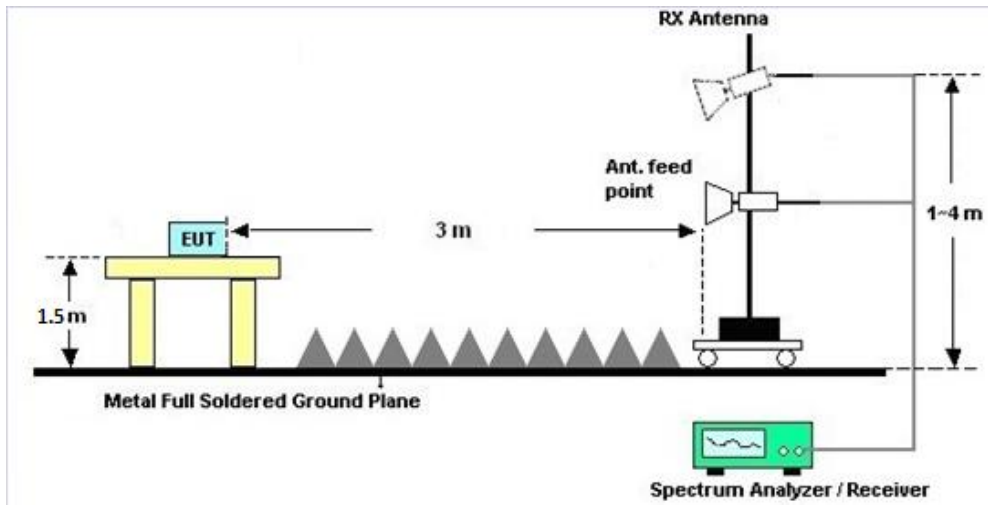
<TXBF Modes>



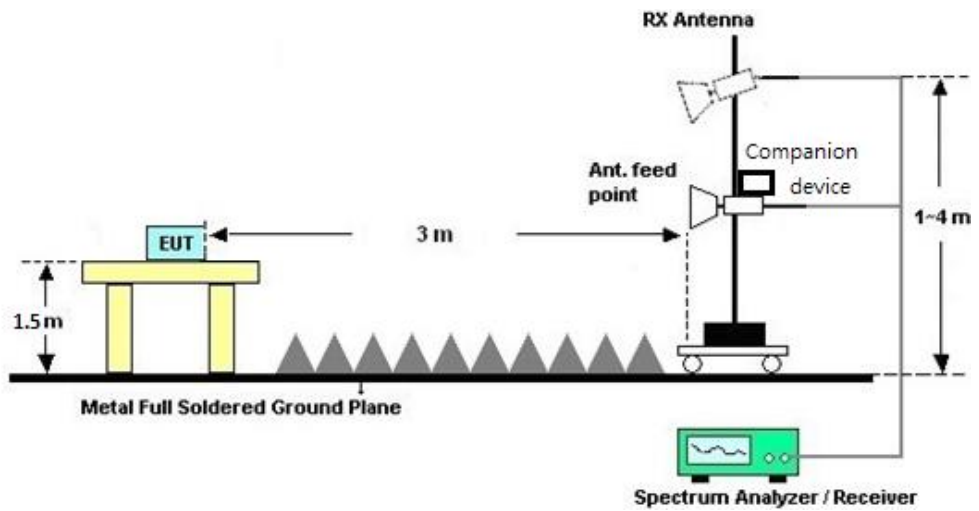


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>





### **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.

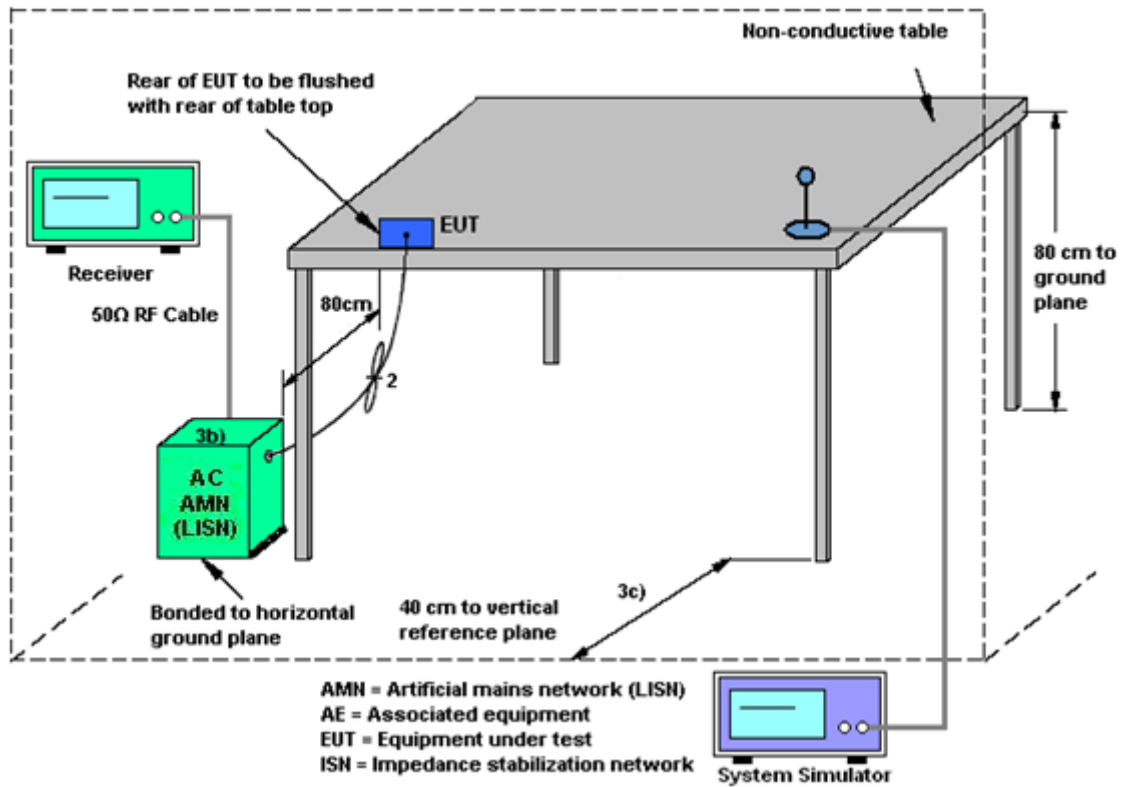
#### 3.6.2 Measuring Instruments

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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain =  $G_{ANT}$  + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain =  $10 \log(N_{ANT}/N_{SS}=1)$  dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$ .

Directional gain may be calculated by using the formulas applicable to equal gain antennas with  $G_{ANT}$  set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain  $G_{ANT}$  is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.



#### <CDD Modes>

|         | Ant. 1<br>(dBi) | Ant. 2<br>(dBi) | DG<br>for<br>Power<br>(dBi) | DG<br>for<br>PSD<br>(dBi) | Power<br>Limit<br>Reduction<br>(dB) | PSD<br>Limit<br>Reduction<br>(dB) |
|---------|-----------------|-----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------------------|
| 2.4 GHz | -2.50           | -6.60           | -2.50                       | -1.30                     | 0.00                                | 0.00                              |

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$



**TXBF modes**

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

$N_{SS}$  = the number of independent spatial streams of data;

$N_{ANT}$  = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$  if the  $k$ th antenna is being fed by spatial stream  $j$ , or zero if it is not;  
 $G_k$  is the gain in dBi of the  $k$ th antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

|                | Ant. 1<br>(dBi) | Ant. 2<br>(dBi) | DG<br>for<br>Power<br>(dBi) | DG<br>for<br>PSD<br>(dBi) | Power<br>Limit<br>Reduction<br>(dB) | PSD<br>Limit<br>Reduction<br>(dB) |
|----------------|-----------------|-----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------------------|
| <b>2.4 GHz</b> | -2.50           | -6.60           | -1.30                       | -1.30                     | 0.00                                | 0.00                              |

Power Limit Reduction = DG(Power) – 6dBi, ( min = 0 )

PSD Limit Reduction = DG(PSD) – 6dBi, ( min = 0 )



## 4 List of Measuring Equipment

| Instrument            | Manufacturer    | Model No.    | Serial No.        | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark               |
|-----------------------|-----------------|--------------|-------------------|-----------------|------------------|---------------------------------|---------------|----------------------|
| AC Power Source       | ChainTek        | APC-1000W    | N/A               | N/A             | N/A              | Jan. 07, 2020                   | N/A           | Conduction (CO05-HY) |
| EMI Test Receiver     | Rohde & Schwarz | ESR3         | 102388            | 9kHz~3.6GHz     | Nov. 15, 2019    | Jan. 07, 2020                   | Nov. 14, 2020 | Conduction (CO05-HY) |
| Hygrometer            | Testo           | 608-H1       | 34913912          | N/A             | Mar. 19, 2019    | Jan. 07, 2020                   | Mar. 18, 2020 | Conduction (CO05-HY) |
| LISN                  | Rohde & Schwarz | ENV216       | 100081            | 9kHz~30MHz      | Nov. 15, 2019    | Jan. 07, 2020                   | Nov. 14, 2020 | Conduction (CO05-HY) |
| Software              | Rohde & Schwarz | EMC32 V10.30 | N/A               | N/A             | N/A              | Jan. 07, 2020                   | N/A           | Conduction (CO05-HY) |
| LF Cable              | HUBER + SUHNER  | RG-214/U     | LF01              | N/A             | Jan. 02, 2020    | Jan. 07, 2020                   | Jan. 01, 2021 | Conduction (CO05-HY) |
| Pulse Limiter         | Rohde & Schwarz | ESH3-Z2      | 100851            | N/A             | Jan. 02, 2020    | Jan. 07, 2020                   | Jan. 01, 2021 | Conduction (CO05-HY) |
| Hygrometer            | Testo           | 608-H2       | 41410069          | N/A             | Jun. 17, 2019    | Dec. 25, 2019~<br>Feb. 13, 2020 | Jun. 16, 2020 | Conducted (TH05-HY)  |
| Power Sensor          | DARE            | RPR3006W     | 16I00054S<br>NO10 | 10MHz~6GHz      | Dec. 23, 2019    | Dec. 25, 2019~<br>Feb. 13, 2020 | Dec. 22, 2020 | Conducted (TH05-HY)  |
| Signal Analyzer       | Rohde & Schwarz | FSV40        | 101566            | 10Hz~40GHz      | Jul. 15, 2019    | Dec. 25, 2019~<br>Feb. 13, 2020 | Jul. 14, 2020 | Conducted (TH05-HY)  |
| Power Supply          | GW Instek       | SPS-606      | GES84293<br>1     | NA              | Aug. 19, 2019    | Dec. 25, 2019~<br>Feb. 13, 2020 | Aug. 18, 2020 | Conducted (TH05-HY)  |
| Switch Box & RF Cable | Burgeon         | ETF-058      | EC120838<br>2     | N/A             | Mar. 27, 2019    | Dec. 25, 2019~<br>Feb. 13, 2020 | Mar. 26, 2020 | Conducted (TH05-HY)  |



| Instrument           | Manufacturer         | Model No.                   | Serial No.       | Characteristics               | Calibration Date | Test Date                    | Due Date      | Remark                |
|----------------------|----------------------|-----------------------------|------------------|-------------------------------|------------------|------------------------------|---------------|-----------------------|
| Preamplifier         | EMEC INSTRUMENT S&PE | EMC184045B &PE7005-6        | 980192           | 18GHz ~ 40GHz                 | Aug. 01, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Jul. 31, 2020 | Radiation (03CH15-HY) |
| Horn Antenna         | SCHWARZBECK          | BBHA 9120 D                 | 9120D-1620       | 1-18GHz                       | Oct. 28, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Oct. 27, 2020 | Radiation (03CH15-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK          | BBHA 9170                   | BBHA9170576      | 18GHz~40GHz                   | May 14, 2019     | Jan. 09, 2020~ Feb. 11, 2020 | May 13, 2020  | Radiation (03CH15-HY) |
| Preamplifier         | Jet-Power            | JPA0118-55-303              | 1710001800055007 | 1GHz~18GHz                    | Apr. 01, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | May 31, 2020  | Radiation (03CH15-HY) |
| Preamplifier         | Keysight             | 83017A                      | MY53270195       | 1GHz~26.5GHz                  | Aug. 23, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Aug. 22, 2020 | Radiation (03CH15-HY) |
| EMI Test Receiver    | Keysight             | N9038A(MXE)                 | MY54130085       | 20MHz~8.4GHz                  | Nov. 01, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Oct. 31, 2020 | Radiation (03CH15-HY) |
| Signal Analyzer      | R&S                  | FSV3044                     | 101009           | 10Hz~44GHz                    | Nov. 11, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Nov. 10, 2020 | Radiation (03CH15-HY) |
| Controller           | ChainTek             | 3000-1                      | N/A              | Control Turn table & Ant Mast | N/A              | Jan. 09, 2020~ Feb. 11, 2020 | N/A           | Radiation (03CH15-HY) |
| Antenna Mast         | ChainTek             | MBS-520-1                   | N/A              | 1m~4m                         | N/A              | Jan. 09, 2020~ Feb. 11, 2020 | N/A           | Radiation (03CH15-HY) |
| Turn Table           | ChainTek             | T-200-S-1                   | N/A              | 0~360 Degree                  | N/A              | Jan. 09, 2020~ Feb. 11, 2020 | N/A           | Radiation (03CH15-HY) |
| Software             | Audix                | E3 6.2009-8-24(k5)          | RK-000451        | N/A                           | N/A              | Jan. 09, 2020~ Feb. 11, 2020 | N/A           | Radiation (03CH15-HY) |
| RF Cable             | HUBER + SUHNER       | SUCOFLEX 104                | MY36980/4        | 30M-18G                       | Apr. 15, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Apr. 14, 2020 | Radiation (03CH15-HY) |
| RF Cable             | HUBER + SUHNER       | SUCOFLEX 104                | MY9838/4PE       | 30M-18G                       | Apr. 15, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Apr. 14, 2020 | Radiation (03CH15-HY) |
| RF Cable             | HUBER + SUHNER       | SUCOFLEX 104                | MY802430/4       | 30M~18G                       | May. 13, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | May. 12, 2020 | Radiation (03CH15-HY) |
| RF Cable             | HUBER + SUHNER       | SUCOFLEX 102                | 505134/2         | 30MHz-40GHz                   | Feb. 26, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Feb. 25, 2020 | Radiation (03CH15-HY) |
| RF Cable             | HUBER + SUHNER       | SUCOFLEX 102                | 800740/2         | 30MHz-40GHz                   | Feb. 26, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Feb. 25, 2020 | Radiation (03CH15-HY) |
| Filter               | Wainwright           | WHKX12-2700-3000-18000-60ST | SN2              | 3GHz High Pass Filter         | Jul. 17, 2019    | Jan. 09, 2020~ Feb. 11, 2020 | Jul. 14, 2020 | Radiation (03CH15-HY) |





## 5 Uncertainty of Evaluation

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

|   |     |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.0 |
|---|-----|

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

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

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

|   |     |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.4 |
|---|-----|

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

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

**Appendix A. Test Result of Conducted Test Items****<CDD Mode>**

|                |                         |                    |       |    |
|----------------|-------------------------|--------------------|-------|----|
| Test Engineer: | Luffy Lin / Richard Qiu | Temperature:       | 21~25 | °C |
| Test Date:     | 2019/12/25 ~2020/02/12  | Relative Humidity: | 51~54 | %  |

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

| 2.4GHz Band MIMO |           |                 |     |             |                       |       |              |       |                    |           |
|------------------|-----------|-----------------|-----|-------------|-----------------------|-------|--------------|-------|--------------------|-----------|
| Mod.             | Data Rate | N <sub>TX</sub> | 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        | 13.09                 | 13.19 | 8.07         | 7.07  | 0.50               | Pass      |
| 11b              | 1Mbps     | 2               | 6   | 2437        | 13.39                 | 13.79 | 8.53         | 8.53  | 0.50               | Pass      |
| 11b              | 1Mbps     | 2               | 11  | 2462        | 13.19                 | 13.74 | 8.07         | 8.53  | 0.50               | Pass      |
| 11g              | 6Mbps     | 2               | 1   | 2412        | 16.48                 | 16.68 | 15.74        | 15.92 | 0.50               | Pass      |
| 11g              | 6Mbps     | 2               | 6   | 2437        | 16.58                 | 17.08 | 15.70        | 16.30 | 0.50               | Pass      |
| 11g              | 6Mbps     | 2               | 11  | 2462        | 16.58                 | 17.03 | 15.49        | 16.30 | 0.50               | Pass      |
| HT20             | MCS0      | 2               | 1   | 2412        | 17.63                 | 17.73 | 16.78        | 16.52 | 0.50               | Pass      |
| HT20             | MCS0      | 2               | 6   | 2437        | 17.78                 | 18.48 | 16.90        | 16.78 | 0.50               | Pass      |
| HT20             | MCS0      | 2               | 11  | 2462        | 17.63                 | 19.23 | 16.52        | 17.14 | 0.50               | Pass      |

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

| 2.4GHz Band MIMO |           |     |     |             |           |                       |       |              |       |                    |           |
|------------------|-----------|-----|-----|-------------|-----------|-----------------------|-------|--------------|-------|--------------------|-----------|
| Mod.             | Data Rate | NTx | CH. | Freq. (MHz) | RU Config | 99% Occupied BW (MHz) |       | 6dB BW (MHz) |       | 6dB BW Limit (MHz) | Pass/Fail |
|                  |           |     |     |             |           | Ant1                  | Ant2  | Ant1         | Ant2  |                    |           |
| HE20             | MCS0      | 2   | 1   | 2412        | Full      | 18.93                 | 19.03 | 17.76        | 17.78 | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 1   | 2412        | 26/0      | 18.83                 | 18.98 | 2.08         | 2.08  | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 1   | 2412        | 52/37     | 18.78                 | 19.43 | 17.06        | 17.06 | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 1   | 2412        | 106/53    | 18.68                 | 18.83 | 18.12        | 18.08 | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 6   | 2437        | Full      | 19.08                 | 21.68 | 18.44        | 18.66 | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | Full      | 19.13                 | 21.28 | 18.52        | 18.52 | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | 26/8      | 18.93                 | 18.98 | 2.12         | 2.10  | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | 52/40     | 18.83                 | 19.58 | 17.08        | 17.08 | 0.50               | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | 106/54    | 18.98                 | 20.80 | 18.38        | 17.44 | 0.50               | Pass      |
| HE40             | MCS0      | 2   | 3   | 2422        | Full      | 38.06                 | 38.36 | 36.32        | 36.00 | 0.50               | Pass      |
| HE40             | MCS0      | 2   | 3   | 2422        | 242/61    | 38.16                 | 38.56 | 36.72        | 36.60 | 0.50               | Pass      |
| HE40             | MCS0      | 2   | 6   | 2437        | Full      | 38.26                 | 38.86 | 37.28        | 37.60 | 0.50               | Pass      |
| HE40             | MCS0      | 2   | 9   | 2452        | Full      | 38.26                 | 38.96 | 36.24        | 36.52 | 0.50               | Pass      |
| HE40             | MCS0      | 2   | 9   | 2452        | 242/62    | 38.56                 | 38.76 | 37.92        | 37.88 | 0.50               | Pass      |

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

| 2.4GHz Band Single Antenna |           |     |     |             |                            |       |     |                             |       |          |       |                  |       |                        |       |            |
|----------------------------|-----------|-----|-----|-------------|----------------------------|-------|-----|-----------------------------|-------|----------|-------|------------------|-------|------------------------|-------|------------|
| Mod.                       | Data Rate | NTX | CH. | Freq. (MHz) | Peak 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     | 1   | 1   | 2412        | 23.33                      | 23.06 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 20.83            | 16.46 | 36.00                  | 36.00 | Pass       |
| 11b                        | 1Mbps     | 1   | 6   | 2437        | 23.08                      | 22.88 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 20.58            | 16.28 | 36.00                  | 36.00 | Pass       |
| 11b                        | 1Mbps     | 1   | 11  | 2462        | 23.18                      | 22.81 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 20.68            | 16.21 | 36.00                  | 36.00 | Pass       |
| 11g                        | 6Mbps     | 1   | 1   | 2412        | 24.93                      | 24.67 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 22.43            | 18.07 | 36.00                  | 36.00 | Pass       |
| 11g                        | 6Mbps     | 1   | 6   | 2437        | 26.15                      | 24.80 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 23.65            | 18.20 | 36.00                  | 36.00 | Pass       |
| 11g                        | 6Mbps     | 1   | 11  | 2462        | 24.88                      | 24.08 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 22.38            | 17.48 | 36.00                  | 36.00 | Pass       |
| HT20                       | MCS0      | 1   | 1   | 2412        | 24.06                      | 23.96 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 21.56            | 17.36 | 36.00                  | 36.00 | Pass       |
| HT20                       | MCS0      | 1   | 6   | 2437        | 25.95                      | 24.78 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 23.45            | 18.18 | 36.00                  | 36.00 | Pass       |
| HT20                       | MCS0      | 1   | 11  | 2462        | 24.58                      | 23.77 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 22.08            | 17.17 | 36.00                  | 36.00 | Pass       |

| 2.4GHz Band MIMO |           |     |     |             |                            |       |       |                             |      |          |      |                  |      |                        |      |            |
|------------------|-----------|-----|-----|-------------|----------------------------|-------|-------|-----------------------------|------|----------|------|------------------|------|------------------------|------|------------|
| Mod.             | Data Rate | NTX | CH. | Freq. (MHz) | Peak 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        | 23.68                      | 22.67 | 26.21 | 30.00                       |      | -2.50    |      | 23.71            |      | 36.00                  |      | Pass       |
| 11b              | 1Mbps     | 2   | 6   | 2437        | 23.62                      | 22.78 | 26.23 | 30.00                       |      | -2.50    |      | 23.73            |      | 36.00                  |      | Pass       |
| 11b              | 1Mbps     | 2   | 11  | 2462        | 23.69                      | 22.62 | 26.20 | 30.00                       |      | -2.50    |      | 23.70            |      | 36.00                  |      | Pass       |
| 11g              | 6Mbps     | 2   | 1   | 2412        | 25.23                      | 23.99 | 27.66 | 30.00                       |      | -2.50    |      | 25.16            |      | 36.00                  |      | Pass       |
| 11g              | 6Mbps     | 2   | 6   | 2437        | 26.01                      | 24.11 | 28.17 | 30.00                       |      | -2.50    |      | 25.67            |      | 36.00                  |      | Pass       |
| 11g              | 6Mbps     | 2   | 11  | 2462        | 25.27                      | 23.81 | 27.61 | 30.00                       |      | -2.50    |      | 25.11            |      | 36.00                  |      | Pass       |
| HT20             | MCS0      | 2   | 1   | 2412        | 24.77                      | 23.77 | 27.31 | 30.00                       |      | -2.50    |      | 24.81            |      | 36.00                  |      | Pass       |
| HT20             | MCS0      | 2   | 6   | 2437        | 26.00                      | 23.98 | 28.12 | 30.00                       |      | -2.50    |      | 25.62            |      | 36.00                  |      | Pass       |
| HT20             | MCS0      | 2   | 11  | 2462        | 24.95                      | 23.49 | 27.29 | 30.00                       |      | -2.50    |      | 24.79            |      | 36.00                  |      | Pass       |

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

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

| 2.4GHz Band Single Antenna |           |                 |     |             |           |                            |       |     |                             |       |          |       |                  |       |                        |       |            |
|----------------------------|-----------|-----------------|-----|-------------|-----------|----------------------------|-------|-----|-----------------------------|-------|----------|-------|------------------|-------|------------------------|-------|------------|
| Mod.                       | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Peak 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      | 1               | 1   | 2412        | Full      | 24.87                      | 24.07 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 22.37            | 17.47 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 26/0      | 26.55                      | 25.73 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 24.05            | 19.13 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 52/37     | 26.62                      | 25.96 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 24.12            | 19.36 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 106/53    | 26.22                      | 25.60 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 23.72            | 19.00 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 6   | 2437        | Full      | 26.74                      | 24.96 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 24.24            | 18.36 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | Full      | 24.55                      | 23.89 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 22.05            | 17.29 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 26/8      | 26.88                      | 24.63 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 24.38            | 18.03 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 52/40     | 26.11                      | 24.00 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 23.61            | 17.40 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 106/54    | 25.91                      | 24.65 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 23.41            | 18.05 | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 3   | 2422        | Full      | 24.79                      | 24.35 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 22.29            | 17.75 | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 3   | 2422        | 242/61    | 24.67                      | 24.45 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 22.17            | 17.85 | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 6   | 2437        | Full      | 24.12                      | 24.74 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 21.62            | 18.14 | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 9   | 2452        | Full      | 23.66                      | 23.55 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 21.16            | 16.95 | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 9   | 2452        | 242/62    | 23.60                      | 22.92 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 21.10            | 16.32 | 36.00                  | 36.00 | Pass       |

| 2.4GHz Band MIMO |           |                 |     |             |           |                            |       |       |                             |      |          |      |                  |      |                        |      |            |
|------------------|-----------|-----------------|-----|-------------|-----------|----------------------------|-------|-------|-----------------------------|------|----------|------|------------------|------|------------------------|------|------------|
| Mod.             | Data Rate | N <sub>Tx</sub> | CH. | Freq. (MHz) | RU Config | Peak 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      | 24.89                      | 24.88 | 27.90 | 30.00                       |      | -2.50    |      | 25.40            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 1   | 2412        | 26/0      | 26.88                      | 25.42 | 29.22 | 30.00                       |      | -2.50    |      | 26.72            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 1   | 2412        | 52/37     | 26.80                      | 25.45 | 29.19 | 30.00                       |      | -2.50    |      | 26.69            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 1   | 2412        | 106/53    | 26.45                      | 25.13 | 28.85 | 30.00                       |      | -2.50    |      | 26.35            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | 26.18                      | 24.33 | 28.36 | 30.00                       |      | -2.50    |      | 25.86            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | 25.05                      | 23.55 | 27.37 | 30.00                       |      | -2.50    |      | 24.87            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | 26/8      | 26.12                      | 24.12 | 28.24 | 30.00                       |      | -2.50    |      | 25.74            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | 52/40     | 26.09                      | 24.47 | 28.37 | 30.00                       |      | -2.50    |      | 25.87            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | 106/54    | 26.08                      | 24.45 | 28.35 | 30.00                       |      | -2.50    |      | 25.85            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | 25.11                      | 24.17 | 27.68 | 30.00                       |      | -2.50    |      | 25.18            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 3   | 2422        | 242/61    | 25.22                      | 24.06 | 27.69 | 30.00                       |      | -2.50    |      | 25.19            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | 25.85                      | 24.25 | 28.13 | 30.00                       |      | -2.50    |      | 25.63            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | 24.36                      | 22.96 | 26.73 | 30.00                       |      | -2.50    |      | 24.23            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 9   | 2452        | 242/62    | 24.08                      | 22.91 | 26.54 | 30.00                       |      | -2.50    |      | 24.04            |      | 36.00                  |      | Pass       |

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

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

| 2.4GHz Band Single Antenna |           |     |     |             |                               |       |     |                             |       |          |       |                  |       |                        |       |            |
|----------------------------|-----------|-----|-----|-------------|-------------------------------|-------|-----|-----------------------------|-------|----------|-------|------------------|-------|------------------------|-------|------------|
| 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     | 1   | 1   | 2412        | 20.80                         | 20.70 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 18.30            | 14.10 | 36.00                  | 36.00 | Pass       |
| 11b                        | 1Mbps     | 1   | 6   | 2437        | 20.70                         | 20.60 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 18.20            | 14.00 | 36.00                  | 36.00 | Pass       |
| 11b                        | 1Mbps     | 1   | 11  | 2462        | 20.80                         | 20.60 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 18.30            | 14.00 | 36.00                  | 36.00 | Pass       |
| 11g                        | 6Mbps     | 1   | 1   | 2412        | 18.00                         | 18.00 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 15.50            | 11.40 | 36.00                  | 36.00 | Pass       |
| 11g                        | 6Mbps     | 1   | 6   | 2437        | 20.20                         | 20.30 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 17.70            | 13.70 | 36.00                  | 36.00 | Pass       |
| 11g                        | 6Mbps     | 1   | 11  | 2462        | 18.10                         | 18.40 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 15.60            | 11.80 | 36.00                  | 36.00 | Pass       |
| HT20                       | MCS0      | 1   | 1   | 2412        | 17.10                         | 17.00 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.60            | 10.40 | 36.00                  | 36.00 | Pass       |
| HT20                       | MCS0      | 1   | 6   | 2437        | 20.10                         | 20.20 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 17.60            | 13.60 | 36.00                  | 36.00 | Pass       |
| HT20                       | MCS0      | 1   | 11  | 2462        | 17.40                         | 17.30 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.90            | 10.70 | 36.00                  | 36.00 | Pass       |

| 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        | 21.00                         | 20.30 | 23.67 | 30.00                       |      | -2.50    |      | 21.17            |      | 36.00                  |      | Pass       |
| 11b              | 1Mbps     | 2   | 6   | 2437        | 21.00                         | 20.40 | 23.72 | 30.00                       |      | -2.50    |      | 21.22            |      | 36.00                  |      | Pass       |
| 11b              | 1Mbps     | 2   | 11  | 2462        | 20.90                         | 20.40 | 23.67 | 30.00                       |      | -2.50    |      | 21.17            |      | 36.00                  |      | Pass       |
| 11g              | 6Mbps     | 2   | 1   | 2412        | 18.40                         | 17.50 | 20.98 | 30.00                       |      | -2.50    |      | 18.48            |      | 36.00                  |      | Pass       |
| 11g              | 6Mbps     | 2   | 6   | 2437        | 20.50                         | 20.00 | 23.27 | 30.00                       |      | -2.50    |      | 20.77            |      | 36.00                  |      | Pass       |
| 11g              | 6Mbps     | 2   | 11  | 2462        | 19.00                         | 17.90 | 21.50 | 30.00                       |      | -2.50    |      | 19.00            |      | 36.00                  |      | Pass       |
| HT20             | MCS0      | 2   | 1   | 2412        | 17.60                         | 16.80 | 20.23 | 30.00                       |      | -2.50    |      | 17.73            |      | 36.00                  |      | Pass       |
| HT20             | MCS0      | 2   | 6   | 2437        | 20.50                         | 20.10 | 23.31 | 30.00                       |      | -2.50    |      | 20.81            |      | 36.00                  |      | Pass       |
| HT20             | MCS0      | 2   | 11  | 2462        | 17.70                         | 17.10 | 20.42 | 30.00                       |      | -2.50    |      | 17.92            |      | 36.00                  |      | Pass       |

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

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

| 2.4GHz Band Single Antenna |           |                 |     |             |           |                               |       |     |                             |       |          |       |                  |       |                        |       |            |
|----------------------------|-----------|-----------------|-----|-------------|-----------|-------------------------------|-------|-----|-----------------------------|-------|----------|-------|------------------|-------|------------------------|-------|------------|
| 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      | 1               | 1   | 2412        | Full      | 16.70                         | 16.60 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.20            | 10.00 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 26/0      | 16.60                         | 16.40 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.10            | 9.80  | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 52/37     | 16.50                         | 16.40 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.00            | 9.80  | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 106/53    | 16.30                         | 16.50 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 13.80            | 9.90  | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 6   | 2437        | Full      | 20.70                         | 20.70 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 18.20            | 14.10 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | Full      | 16.60                         | 16.80 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.10            | 10.20 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 26/8      | 16.60                         | 16.70 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.10            | 10.10 | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 52/40     | 16.30                         | 16.40 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 13.80            | 9.80  | 36.00                  | 36.00 | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 106/54    | 16.40                         | 16.40 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 13.90            | 9.80  | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 3   | 2422        | Full      | 17.00                         | 17.00 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 14.50            | 10.40 | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 3   | 2422        | 242/61    | 14.90                         | 14.70 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 12.40            | 8.10  | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 6   | 2437        | Full      | 18.60                         | 18.70 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 16.10            | 12.10 | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 9   | 2452        | Full      | 16.10                         | 16.20 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 13.60            | 9.60  | 36.00                  | 36.00 | Pass       |
| HE40                       | MCS0      | 1               | 9   | 2452        | 242/62    | 13.60                         | 13.60 |     | 30.00                       | 30.00 | -2.50    | -6.60 | 11.10            | 7.00  | 36.00                  | 36.00 | Pass       |

| 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      | 17.20                         | 16.40 | 19.83 | 30.00                       |      | -2.50    |      | 17.33            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 1   | 2412        | 26/0      | 17.20                         | 16.30 | 19.78 | 30.00                       |      | -2.50    |      | 17.28            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 1   | 2412        | 52/37     | 17.00                         | 15.90 | 19.50 | 30.00                       |      | -2.50    |      | 17.00            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 1   | 2412        | 106/53    | 16.90                         | 16.10 | 19.53 | 30.00                       |      | -2.50    |      | 17.03            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | 21.00                         | 20.50 | 23.77 | 30.00                       |      | -2.50    |      | 21.27            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | 17.30                         | 16.30 | 19.84 | 30.00                       |      | -2.50    |      | 17.34            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | 26/8      | 17.20                         | 16.30 | 19.78 | 30.00                       |      | -2.50    |      | 17.28            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | 52/40     | 17.00                         | 15.90 | 19.50 | 30.00                       |      | -2.50    |      | 17.00            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | 106/54    | 17.00                         | 16.00 | 19.54 | 30.00                       |      | -2.50    |      | 17.04            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 3   | 2422        | Full      | 17.60                         | 16.90 | 20.27 | 30.00                       |      | -2.50    |      | 17.77            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 3   | 2422        | 242/61    | 15.10                         | 14.80 | 17.96 | 30.00                       |      | -2.50    |      | 15.46            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 6   | 2437        | Full      | 19.30                         | 18.50 | 21.93 | 30.00                       |      | -2.50    |      | 19.43            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 9   | 2452        | Full      | 16.80                         | 15.60 | 19.25 | 30.00                       |      | -2.50    |      | 16.75            |      | 36.00                  |      | Pass       |
| HE40             | MCS0      | 2               | 9   | 2452        | 242/62    | 14.10                         | 13.10 | 16.64 | 30.00                       |      | -2.50    |      | 14.14            |      | 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        | -3.94               | -4.25 | -0.93        | -1.30    |      | 8.00                      |      | Pass      |
| 11b              | 1Mbps     | 2   | 6   | 2437        | -2.65               | -2.66 | 0.36         | -1.30    |      | 8.00                      |      | Pass      |
| 11b              | 1Mbps     | 2   | 11  | 2462        | -2.62               | -3.78 | 0.39         | -1.30    |      | 8.00                      |      | Pass      |
| 11g              | 6Mbps     | 2   | 1   | 2412        | -6.79               | -7.70 | -3.78        | -1.30    |      | 8.00                      |      | Pass      |
| 11g              | 6Mbps     | 2   | 6   | 2437        | -5.70               | -6.99 | -2.69        | -1.30    |      | 8.00                      |      | Pass      |
| 11g              | 6Mbps     | 2   | 11  | 2462        | -5.19               | -6.62 | -2.18        | -1.30    |      | 8.00                      |      | Pass      |
| HT20             | MCS0      | 2   | 1   | 2412        | -2.82               | -4.60 | 0.19         | -1.30    |      | 8.00                      |      | Pass      |
| HT20             | MCS0      | 2   | 6   | 2437        | -4.88               | -4.38 | -1.37        | -1.30    |      | 8.00                      |      | Pass      |
| HT20             | MCS0      | 2   | 11  | 2462        | -3.68               | -5.17 | -0.67        | -1.30    |      | 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 | NTx | 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      | -4.63               | -6.68 | -1.62        | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 1   | 2412        | 26/0      | 4.55                | 3.22  | 7.56         | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 1   | 2412        | 52/37     | 1.56                | 1.02  | 4.57         | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 1   | 2412        | 106/53    | -0.90               | -2.21 | 2.11         | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 6   | 2437        | Full      | -5.28               | -6.21 | -2.27        | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | Full      | -4.03               | -5.82 | -1.02        | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | 26/8      | 3.45                | 2.81  | 6.46         | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | 52/40     | 1.92                | 1.46  | 4.93         | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | 106/54    | -0.65               | -1.42 | 2.36         | -1.30    |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2   | 3   | 2422        | Full      | -7.32               | -8.51 | -4.31        | -1.30    |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2   | 3   | 2422        | 242/61    | -4.40               | -5.33 | -1.39        | -1.30    |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2   | 6   | 2437        | Full      | -7.41               | -8.86 | -4.40        | -1.30    |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2   | 9   | 2452        | Full      | -8.14               | -8.63 | -5.13        | -1.30    |      | 8.00                      |      | Pass      |
| HE40             | MCS0      | 2   | 9   | 2452        | 242/62    | -3.52               | -4.26 | -0.51        | -1.30    |      | 8.00                      |      | Pass      |

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

## &lt;TXBF Mode&gt;

|                |                     |                    |       |    |
|----------------|---------------------|--------------------|-------|----|
| Test Engineer: | Richard Qiu         | Temperature:       | 21~25 | °C |
| Test Date:     | 2020/1/31~2020/2/11 | Relative Humidity: | 51~54 | %  |

**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             | MCS0      | 1               | 1   | 2412        | Full      | 17.63                 | 17.53 | 15.06        | 15.05 | 0.50               | Pass      |
| HE20             | MCS0      | 1               | 6   | 2437        | Full      | 17.33                 | 17.43 | 13.85        | 15.03 | 0.50               | Pass      |
| HE20             | MCS0      | 1               | 11  | 2462        | Full      | 17.53                 | 17.53 | 15.26        | 15.06 | 0.50               | Pass      |

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

| 2.4GHz Band MIMO |           |                 |     |             |           |                            |       |       |                             |      |          |      |                  |      |                        |      |            |
|------------------|-----------|-----------------|-----|-------------|-----------|----------------------------|-------|-------|-----------------------------|------|----------|------|------------------|------|------------------------|------|------------|
| Mod.             | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config | Peak 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      | 24.77                      | 23.61 | 27.24 | 30.00                       |      | -1.30    |      | 25.94            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | 24.03                      | 22.61 | 26.39 | 30.00                       |      | -1.30    |      | 25.09            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | 24.67                      | 23.51 | 27.14 | 30.00                       |      | -1.30    |      | 25.84            |      | 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      | 18.60                         | 18.50 | 21.56 | 30.00                       |      | -1.30    |      | 20.26            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 6   | 2437        | Full      | 19.20                         | 18.20 | 21.74 | 30.00                       |      | -1.30    |      | 20.44            |      | 36.00                  |      | Pass       |
| HE20             | MCS0      | 2               | 11  | 2462        | Full      | 19.50                         | 18.20 | 21.91 | 30.00                       |      | -1.30    |      | 20.61            |      | 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) | 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      | -4.37               | -5.30 | -1.36        | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 6   | 2437        | Full      | -6.28               | -6.53 | -3.27        | -1.30    |      | 8.00                      |      | Pass      |
| HE20             | MCS0      | 2   | 11  | 2462        | Full      | -5.23               | -5.44 | -2.22        | -1.30    |      | 8.00                      |      | Pass      |

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



## Appendix B. AC Conducted Emission Test Results

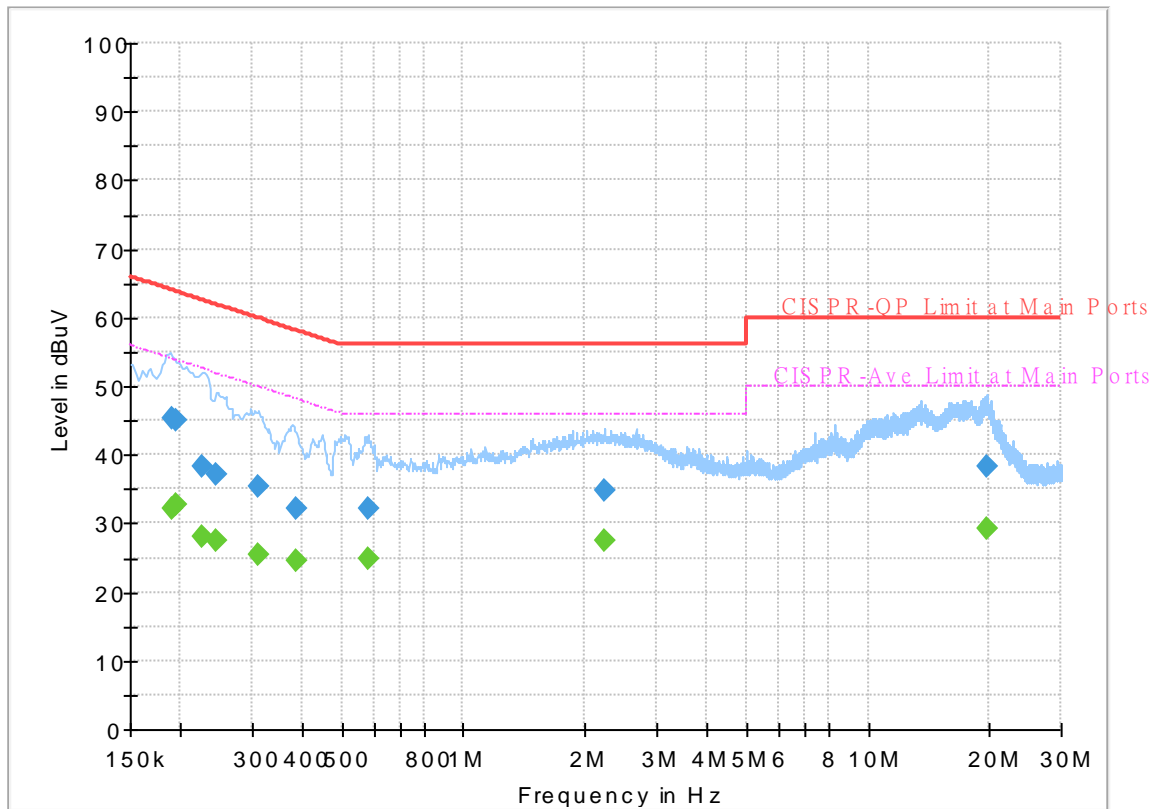
|                 |         |                     |         |
|-----------------|---------|---------------------|---------|
| Test Engineer : | Tom Lee | Temperature :       | 21~24°C |
|                 |         | Relative Humidity : | 42~45%  |



# EUT Information

Report NO : 9D0635  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



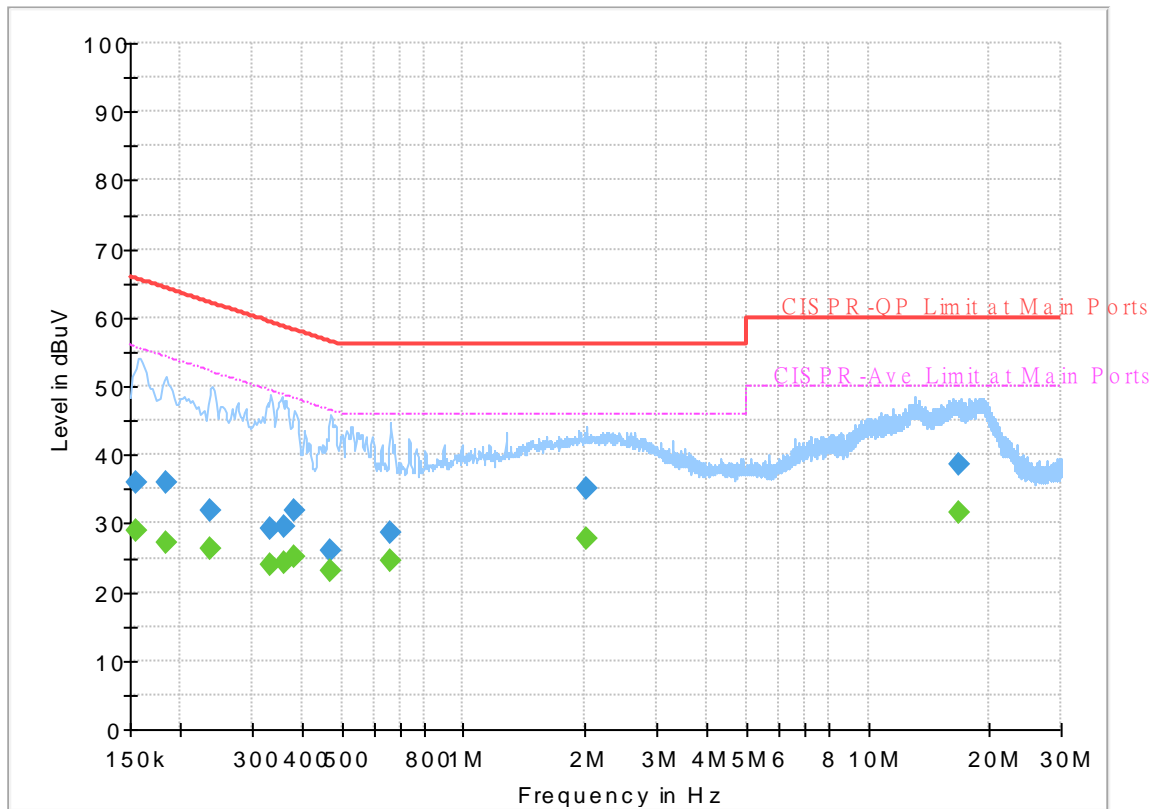
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.190770        | ---              | 32.11           | 54.00        | 21.89       | L1   | OFF    | 19.5       |
| 0.190770        | 45.24            | ---             | 64.00        | 18.76       | L1   | OFF    | 19.5       |
| 0.195000        | ---              | 32.64           | 53.82        | 21.18       | L1   | OFF    | 19.5       |
| 0.195000        | 45.02            | ---             | 63.82        | 18.80       | L1   | OFF    | 19.5       |
| 0.225600        | ---              | 28.01           | 52.61        | 24.60       | L1   | OFF    | 19.5       |
| 0.225600        | 38.22            | ---             | 62.61        | 24.39       | L1   | OFF    | 19.5       |
| 0.244500        | ---              | 27.57           | 51.94        | 24.37       | L1   | OFF    | 19.5       |
| 0.244500        | 37.11            | ---             | 61.94        | 24.83       | L1   | OFF    | 19.5       |
| 0.312540        | ---              | 25.45           | 49.90        | 24.45       | L1   | OFF    | 19.5       |
| 0.312540        | 35.52            | ---             | 59.90        | 24.38       | L1   | OFF    | 19.5       |
| 0.386250        | ---              | 24.66           | 48.14        | 23.48       | L1   | OFF    | 19.5       |
| 0.386250        | 32.14            | ---             | 58.14        | 26.00       | L1   | OFF    | 19.5       |
| 0.581100        | ---              | 24.77           | 46.00        | 21.23       | L1   | OFF    | 19.5       |
| 0.581100        | 32.07            | ---             | 56.00        | 23.93       | L1   | OFF    | 19.5       |
| 2.229000        | ---              | 27.62           | 46.00        | 18.38       | L1   | OFF    | 19.7       |
| 2.229000        | 34.85            | ---             | 56.00        | 21.15       | L1   | OFF    | 19.7       |
| 19.711500       | ---              | 29.35           | 50.00        | 20.65       | L1   | OFF    | 20.2       |
| 19.711500       | 38.40            | ---             | 60.00        | 21.60       | L1   | OFF    | 20.2       |

# EUT Information

Report NO : 9D0635  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.154500        | ---              | 29.05           | 55.75        | 26.70       | N    | OFF    | 19.6       |
| 0.154500        | 36.07            | ---             | 65.75        | 29.68       | N    | OFF    | 19.6       |
| 0.184110        | ---              | 27.20           | 54.30        | 27.10       | N    | OFF    | 19.6       |
| 0.184110        | 36.05            | ---             | 64.30        | 28.25       | N    | OFF    | 19.6       |
| 0.235500        | ---              | 26.21           | 52.25        | 26.04       | N    | OFF    | 19.6       |
| 0.235500        | 31.80            | ---             | 62.25        | 30.45       | N    | OFF    | 19.6       |
| 0.332520        | ---              | 24.00           | 49.39        | 25.39       | N    | OFF    | 19.6       |
| 0.332520        | 29.29            | ---             | 59.39        | 30.10       | N    | OFF    | 19.6       |
| 0.359250        | ---              | 24.29           | 48.75        | 24.46       | N    | OFF    | 19.6       |
| 0.359250        | 29.67            | ---             | 58.75        | 29.08       | N    | OFF    | 19.6       |
| 0.381570        | ---              | 25.17           | 48.25        | 23.08       | N    | OFF    | 19.6       |
| 0.381570        | 31.75            | ---             | 58.25        | 26.50       | N    | OFF    | 19.6       |
| 0.471030        | ---              | 23.12           | 46.50        | 23.38       | N    | OFF    | 19.6       |
| 0.471030        | 26.01            | ---             | 56.50        | 30.49       | N    | OFF    | 19.6       |
| 0.662010        | ---              | 24.55           | 46.00        | 21.45       | N    | OFF    | 19.6       |
| 0.662010        | 28.64            | ---             | 56.00        | 27.36       | N    | OFF    | 19.6       |
| 2.013000        | ---              | 27.77           | 46.00        | 18.23       | N    | OFF    | 19.6       |
| 2.013000        | 34.98            | ---             | 56.00        | 21.02       | N    | OFF    | 19.6       |
| 16.707480       | ---              | 31.69           | 50.00        | 18.31       | N    | OFF    | 20.2       |
| 16.707480       | 38.73            | ---             | 60.00        | 21.27       | N    | OFF    | 20.2       |



### Appendix C. Radiated Spurious Emission

|                 |                                       |                     |             |
|-----------------|---------------------------------------|---------------------|-------------|
| Test Engineer : | Leo Lee, Mancy Chou, and Bigshow Wang | Temperature :       | 23.9~25.2°C |
|                 |                                       | Relative Humidity : | 53~60%      |

<CDD Mode>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

| 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<br>CH 01<br>2412MHz |      | 2346.96   | 54.17      | -19.83 | 74         | 41.23    | 28.01    | 16.1   | 31.17  | 366    | 312     | P       | H       |   |
|                             |      | 2390      | 43.41      | -10.59 | 54         | 30.64    | 27.76    | 16.16  | 31.15  | 366    | 312     | A       | H       |   |
|                             | *    | 2412      | 105.78     | -      | -          | 93.05    | 27.68    | 16.18  | 31.13  | 366    | 312     | P       | H       |   |
|                             | *    | 2412      | 102.82     | -      | -          | 90.09    | 27.68    | 16.18  | 31.13  | 366    | 312     | A       | H       |   |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|                             |      |           | 2351.895   | 54.01  | -19.99     | 74       | 41.07    | 27.99  | 16.11  | 31.16  | 119     | 0       | P       | V |
|                             |      |           | 2390       | 44.14  | -9.86      | 54       | 31.37    | 27.76  | 16.16  | 31.15  | 119     | 0       | A       | V |
|                             | *    |           | 2412       | 108.57 | -          | -        | 95.84    | 27.68  | 16.18  | 31.13  | 119     | 0       | P       | V |
|                             | *    |           | 2412       | 105.35 | -          | -        | 92.62    | 27.68  | 16.18  | 31.13  | 119     | 0       | A       | V |
|                             |      |           |            |        |            |          |          |        |        |        |         |         |         | V |
| 802.11b<br>CH 06<br>2437MHz |      | 2348.4    | 54.83      | -19.17 | 74         | 41.9     | 28       | 16.1   | 31.17  | 235    | 48      | P       | H       |   |
|                             |      | 2334.16   | 43.52      | -10.48 | 54         | 30.58    | 28.03    | 16.08  | 31.17  | 235    | 48      | A       | H       |   |
|                             | *    | 2437      | 104.52     | -      | -          | 91.8     | 27.63    | 16.21  | 31.12  | 235    | 48      | P       | H       |   |
|                             | *    | 2437      | 101.37     | -      | -          | 88.65    | 27.63    | 16.21  | 31.12  | 235    | 48      | A       | H       |   |
|                             |      |           | 2487.84    | 54.2   | -19.8      | 74       | 41.52    | 27.52  | 16.26  | 31.1   | 235     | 48      | P       | H |
|                             |      |           | 2484.8     | 43.31  | -10.69     | 54       | 30.63    | 27.53  | 16.25  | 31.1   | 235     | 48      | A       | H |
|                             |      |           | 2388.24    | 54.77  | -19.23     | 74       | 42       | 27.77  | 16.15  | 31.15  | 100     | 3       | P       | V |
|                             |      |           | 2311.28    | 43.51  | -10.49     | 54       | 30.56    | 28.08  | 16.05  | 31.18  | 100     | 3       | A       | V |
|                             | *    |           | 2437       | 105.66 | -          | -        | 92.94    | 27.63  | 16.21  | 31.12  | 100     | 3       | P       | V |
|                             | *    |           | 2437       | 102.68 | -          | -        | 89.96    | 27.63  | 16.21  | 31.12  | 100     | 3       | A       | V |
|                             |      |           | 2484.08    | 54.29  | -19.71     | 74       | 41.61    | 27.53  | 16.25  | 31.1   | 100     | 3       | P       | V |
|                             |      |           | 2483.68    | 43.33  | -10.67     | 54       | 30.65    | 27.53  | 16.25  | 31.1   | 100     | 3       | A       | V |



|                                      |   |         |        |        |    |       |       |       |       |     |     |   |   |
|--------------------------------------|---|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11b<br/>CH 11<br/>2462MHz</b> | *   | 2462    | 107.24 | -      | -  | 94.54 | 27.58 | 16.23 | 31.11 | 400 | 294 | P | H |
|                                      | *   | 2462    | 104    | -      | -  | 91.3  | 27.58 | 16.23 | 31.11 | 400 | 294 | A | H |
|                                      |   | 2489.24 | 53.78  | -20.22 | 74 | 41.1  | 27.52 | 16.26 | 31.1  | 400 | 294 | P | H |
|                                      |   | 2483.72 | 43.78  | -10.22 | 54 | 31.1  | 27.53 | 16.25 | 31.1  | 400 | 294 | A | H |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | H |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | H |
|                                      | *   | 2462    | 110.47 | -      | -  | 97.77 | 27.58 | 16.23 | 31.11 | 112 | 8   | P | V |
|                                      | *   | 2462    | 107.33 | -      | -  | 94.63 | 27.58 | 16.23 | 31.11 | 112 | 8   | A | V |
|                                      |   | 2498.8  | 53.82  | -20.18 | 74 | 41.14 | 27.5  | 16.27 | 31.09 | 112 | 8   | P | V |
|                                      |   | 2483.64 | 44.25  | -9.75  | 54 | 31.57 | 27.53 | 16.25 | 31.1  | 112 | 8   | A | V |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | V |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | V |
| <b>Remark</b>                        | <ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against Peak and Average limit line.</li> </ol> |         |        |        |    |       |       |       |       |     |     |   |   |



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              | 35.4             | -38.6             | 74                    | 53.68               | 31.25                   | 9.63             | 59.16                | 100            | 0                 | P                 | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   | 4824             | 34.9              | -39.1                 | 74                  | 53.18                   | 31.25            | 9.63                 | 59.16          | 100               | 0                 | P            | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11b<br>CH 06<br>2437MHz |  | 4874              | 35.61            | -38.39            | 74                    | 53.89               | 31.25                   | 9.64             | 59.17                | 100            | 0                 | P                 | H            |   |
|                             |  | 7311              | 41.51            | -32.49            | 74                    | 52.48               | 36.52                   | 11.69            | 59.18                | 100            | 0                 | P                 | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   | 4874             | 35.18             | -38.82                | 74                  | 53.46                   | 31.25            | 9.64                 | 59.17          | 100               | 0                 | P            | V |
|                             |  |                   | 7311             | 41.9              | -32.1                 | 74                  | 52.87                   | 36.52            | 11.69                | 59.18          | 100               | 0                 | P            | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11b<br>CH 11<br>2462MHz |  | 4924              | 34.91            | -39.09            | 74                    | 53.1                | 31.34                   | 9.65             | 59.18                | 100            | 0                 | P                 | H            |   |
|                             |  | 7386              | 41.01            | -32.99            | 74                    | 51.96               | 36.46                   | 11.74            | 59.15                | 100            | 0                 | P                 | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   | 4924             | 34.98             | -39.02                | 74                  | 53.17                   | 31.34            | 9.65                 | 59.18          | 100               | 0                 | P            | V |
|                             |  |                   | 7386             | 40.47             | -33.53                | 74                  | 51.42                   | 36.46            | 11.74                | 59.15          | 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.                   | 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 ) |   |
| 802.11g<br>CH 01<br>2412MHz |      | 2389.8    | 60.12      | -13.88     | 74         | 47.35      | 27.76          | 16.16     | 31.15         | 100     | 306       | P         | H       |   |
|                             |      | 2390      | 47.63      | -6.37      | 54         | 34.86      | 27.76          | 16.16     | 31.15         | 100     | 306       | A         | H       |   |
|                             | *    | 2412      | 105.74     | -          | -          | 93.01      | 27.68          | 16.18     | 31.13         | 100     | 306       | P         | H       |   |
|                             | *    | 2412      | 98.39      | -          | -          | 85.66      | 27.68          | 16.18     | 31.13         | 100     | 306       | A         | H       |   |
|                             |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|                             |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|                             |      |           | 2389.485   | 61.08      | -12.92     | 74         | 48.31          | 27.76     | 16.16         | 31.15   | 164       | 10        | P       | V |
|                             |      |           | 2390       | 49.38      | -4.62      | 54         | 36.61          | 27.76     | 16.16         | 31.15   | 164       | 10        | A       | V |
|                             | *    |           | 2412       | 107.51     | -          | -          | 94.78          | 27.68     | 16.18         | 31.13   | 164       | 10        | P       | V |
|                             | *    |           | 2412       | 99.89      | -          | -          | 87.16          | 27.68     | 16.18         | 31.13   | 164       | 10        | A       | V |
|                             |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
|                             |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
| 802.11g<br>CH 06<br>2437MHz |      | 2336.72   | 55.15      | -18.85     | 74         | 42.2       | 28.03          | 16.09     | 31.17         | 314     | 299       | P         | H       |   |
|                             |      | 2317.68   | 43.5       | -10.5      | 54         | 30.56      | 28.06          | 16.06     | 31.18         | 314     | 299       | A         | H       |   |
|                             | *    | 2437      | 107.27     | -          | -          | 94.55      | 27.63          | 16.21     | 31.12         | 314     | 299       | P         | H       |   |
|                             | *    | 2437      | 99.92      | -          | -          | 87.2       | 27.63          | 16.21     | 31.12         | 314     | 299       | A         | H       |   |
|                             |      |           | 2488.16    | 54.61      | -19.39     | 74         | 41.93          | 27.52     | 16.26         | 31.1    | 314       | 299       | P       | H |
|                             |      |           | 2484.4     | 43.32      | -10.68     | 54         | 30.64          | 27.53     | 16.25         | 31.1    | 314       | 299       | A       | H |
|                             |      |           | 2369.52    | 55.79      | -18.21     | 74         | 42.94          | 27.88     | 16.13         | 31.16   | 100       | 25        | P       | V |
|                             |      |           | 2318       | 43.5       | -10.5      | 54         | 30.56          | 28.06     | 16.06         | 31.18   | 100       | 25        | A       | V |
|                             | *    |           | 2437       | 107.96     | -          | -          | 95.24          | 27.63     | 16.21         | 31.12   | 100       | 25        | P       | V |
|                             | *    |           | 2437       | 99.85      | -          | -          | 87.13          | 27.63     | 16.21         | 31.12   | 100       | 25        | A       | V |
|                             |      |           | 2498.64    | 55.02      | -18.98     | 74         | 42.34          | 27.5      | 16.27         | 31.09   | 100       | 25        | P       | V |
|                             |      |           | 2483.92    | 43.35      | -10.65     | 54         | 30.67          | 27.53     | 16.25         | 31.1    | 100       | 25        | A       | V |



|                                      |   |         |        |        |    |       |       |       |       |     |     |   |   |
|--------------------------------------|---|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11g<br/>CH 11<br/>2462MHz</b> | *   | 2462    | 106.22 | -      | -  | 93.52 | 27.58 | 16.23 | 31.11 | 100 | 294 | P | H |
|                                      | *   | 2462    | 98.43  | -      | -  | 85.73 | 27.58 | 16.23 | 31.11 | 100 | 294 | A | H |
|                                      |   | 2484.28 | 60.08  | -13.92 | 74 | 47.4  | 27.53 | 16.25 | 31.1  | 100 | 294 | P | H |
|                                      |   | 2483.6  | 47.64  | -6.36  | 54 | 34.96 | 27.53 | 16.25 | 31.1  | 100 | 294 | A | H |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | H |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | H |
|                                      | *   | 2462    | 108.86 | -      | -  | 96.16 | 27.58 | 16.23 | 31.11 | 132 | 11  | P | V |
|                                      | *   | 2462    | 101.12 | -      | -  | 88.42 | 27.58 | 16.23 | 31.11 | 132 | 11  | A | V |
|                                      |   | 2484.12 | 61.87  | -12.13 | 74 | 49.19 | 27.53 | 16.25 | 31.1  | 132 | 11  | P | V |
|                                      |   | 2483.52 | 50.05  | -3.95  | 54 | 37.37 | 27.53 | 16.25 | 31.1  | 132 | 11  | A | V |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | V |
|                                      |   |         |        |        |    |       |       |       |       |     |     |   | V |
| <b>Remark</b>                        | <ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against Peak and Average limit line.</li> </ol> |         |        |        |    |       |       |       |       |     |     |   |   |



**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              | 35.01            | -38.99            | 74                    | 53.29               | 31.25                   | 9.63             | 59.16                | 100            | 0                 | P                 | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   | 4824             | 35.15             | -38.85                | 74                  | 53.43                   | 31.25            | 9.63                 | 59.16          | 100               | 0                 | P            | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11g<br>CH 06<br>2437MHz |  | 4874              | 35.38            | -38.62            | 74                    | 53.66               | 31.25                   | 9.64             | 59.17                | 100            | 0                 | P                 | H            |   |
|                             |  | 7311              | 41.88            | -32.12            | 74                    | 52.85               | 36.52                   | 11.69            | 59.18                | 100            | 0                 | P                 | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   | 4874             | 36.28             | -37.72                | 74                  | 54.56                   | 31.25            | 9.64                 | 59.17          | 100               | 0                 | P            | V |
|                             |  |                   | 7311             | 41.8              | -32.2                 | 74                  | 52.77                   | 36.52            | 11.69                | 59.18          | 100               | 0                 | P            | V |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11g<br>CH 11<br>2462MHz |  | 4924              | 35.47            | -38.53            | 74                    | 53.66               | 31.34                   | 9.65             | 59.18                | 100            | 0                 | P                 | H            |   |
|                             |  | 7386              | 40.33            | -33.67            | 74                    | 51.28               | 36.46                   | 11.74            | 59.15                | 100            | 0                 | P                 | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                             |  |                   | 4924             | 34.86             | -39.14                | 74                  | 53.05                   | 31.34            | 9.65                 | 59.18          | 100               | 0                 | P            | V |
|                             |  |                   | 7386             | 40.74             | -33.26                | 74                  | 51.69                   | 36.46            | 11.74                | 59.15          | 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 802.11n HT20 (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 ) |   |
| 802.11n<br>HT20<br>CH 01<br>2412MHz |      | 2389.485  | 54.83      | -19.17     | 74         | 42.06      | 27.76          | 16.16     | 31.15         | 100     | 352       | P         | H       |   |
|                                     |      | 2390      | 45.02      | -8.98      | 54         | 32.25      | 27.76          | 16.16     | 31.15         | 100     | 352       | A         | H       |   |
|                                     | *    | 2412      | 99.81      | -          | -          | 87.08      | 27.68          | 16.18     | 31.13         | 100     | 352       | P         | H       |   |
|                                     | *    | 2412      | 91.81      | -          | -          | 79.08      | 27.68          | 16.18     | 31.13         | 100     | 352       | A         | H       |   |
|                                     |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|                                     |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|                                     |      |           | 2389.8     | 59.58      | -14.42     | 74         | 46.81          | 27.76     | 16.16         | 31.15   | 165       | 15        | P       | V |
|                                     |      |           | 2390       | 49.16      | -4.84      | 54         | 36.39          | 27.76     | 16.16         | 31.15   | 165       | 15        | A       | V |
|                                     |      | *         | 2412       | 107.11     | -          | -          | 94.38          | 27.68     | 16.18         | 31.13   | 165       | 15        | P       | V |
|                                     |      | *         | 2412       | 99.34      | -          | -          | 86.61          | 27.68     | 16.18         | 31.13   | 165       | 15        | A       | V |
|                                     |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
|                                     |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |      | 2330.96   | 54.86      | -19.14     | 74         | 41.91      | 28.04          | 16.08     | 31.17         | 100     | 55        | P         | H       |   |
|                                     |      | 2336.24   | 43.52      | -10.48     | 54         | 30.57      | 28.03          | 16.09     | 31.17         | 100     | 55        | A         | H       |   |
|                                     | *    | 2437      | 107.5      | -          | -          | 94.78      | 27.63          | 16.21     | 31.12         | 100     | 55        | P         | H       |   |
|                                     | *    | 2437      | 99.04      | -          | -          | 86.33      | 27.63          | 16.2      | 31.12         | 100     | 55        | A         | H       |   |
|                                     |      |           | 2489.2     | 54.13      | -19.87     | 74         | 41.45          | 27.52     | 16.26         | 31.1    | 100       | 55        | P       | H |
|                                     |      |           | 2483.76    | 43.36      | -10.64     | 54         | 30.68          | 27.53     | 16.25         | 31.1    | 100       | 55        | A       | H |
|                                     |      |           | 2338.96    | 54.13      | -19.87     | 74         | 41.19          | 28.02     | 16.09         | 31.17   | 100       | 345       | P       | V |
|                                     |      |           | 2335.6     | 43.55      | -10.45     | 54         | 30.6           | 28.03     | 16.09         | 31.17   | 100       | 345       | A       | V |
|                                     |      | *         | 2437       | 105.91     | -          | -          | 93.19          | 27.63     | 16.21         | 31.12   | 100       | 345       | P       | V |
|                                     |      | *         | 2437       | 97.96      | -          | -          | 85.24          | 27.63     | 16.21         | 31.12   | 100       | 345       | A       | V |
|                                     |      | 2485.92   | 53.67      | -20.33     | 74         | 40.98      | 27.53          | 16.26     | 31.1          | 100     | 345       | P         | V       |   |
|                                     |      | 2485.76   | 43.32      | -10.68     | 54         | 30.63      | 27.53          | 16.26     | 31.1          | 100     | 345       | A         | V       |   |



|   |   |         |        |        |    |       |       |       |       |     |     |   |   |
|---|---|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 11</b><br><b>2462MHz</b> | *   | 2462    | 104.96 | -      | -  | 92.26 | 27.58 | 16.23 | 31.11 | 394 | 299 | P | H |
|   | *   | 2462    | 97.56  | -      | -  | 84.86 | 27.58 | 16.23 | 31.11 | 394 | 299 | A | H |
|   |   | 2483.64 | 55.76  | -18.24 | 74 | 43.08 | 27.53 | 16.25 | 31.1  | 394 | 299 | P | H |
|   |   | 2483.52 | 46.25  | -7.75  | 54 | 33.57 | 27.53 | 16.25 | 31.1  | 394 | 299 | A | H |
|   |   |         |        |        |    |       |       |       |       |     |     |   | H |
|   |   |         |        |        |    |       |       |       |       |     |     |   | H |
|   | *   | 2462    | 108.68 | -      | -  | 95.98 | 27.58 | 16.23 | 31.11 | 160 | 9   | P | V |
|   | *   | 2462    | 100.9  | -      | -  | 88.2  | 27.58 | 16.23 | 31.11 | 160 | 9   | A | V |
|   |   | 2483.76 | 61.1   | -12.9  | 74 | 48.42 | 27.53 | 16.25 | 31.1  | 160 | 9   | P | V |
|   |   | 2483.52 | 50.21  | -3.79  | 54 | 37.53 | 27.53 | 16.25 | 31.1  | 160 | 9   | 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 802.11n HT20 (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 ) |   |
|-------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11n HT20 CH 01<br>2412MHz |  | 4824              | 34.37            | -39.63            | 74                    | 52.65               | 31.25                   | 9.63             | 59.16                | 100            | 0                 | P                 | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   | 4824             | 34.94             | -39.06                | 74                  | 53.22                   | 31.25            | 9.63                 | 59.16          | 100               | 0                 | P            | V |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11n HT20 CH 06<br>2437MHz |  | 4874              | 35.5             | -38.5             | 74                    | 53.78               | 31.25                   | 9.64             | 59.17                | 100            | 0                 | P                 | H            |   |
|                               |  | 7311              | 41.85            | -32.15            | 74                    | 52.82               | 36.52                   | 11.69            | 59.18                | 100            | 0                 | P                 | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   | 4874             | 36.17             | -37.83                | 74                  | 54.45                   | 31.25            | 9.64                 | 59.17          | 100               | 0                 | P            | V |
|                               |  |                   | 7311             | 42.41             | -31.59                | 74                  | 53.38                   | 36.52            | 11.69                | 59.18          | 100               | 0                 | P            | V |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11n HT20 CH 11<br>2462MHz |  | 4924              | 35.02            | -38.98            | 74                    | 53.21               | 31.34                   | 9.65             | 59.18                | 100            | 0                 | P                 | H            |   |
|                               |  | 7386              | 40.44            | -33.56            | 74                    | 51.39               | 36.46                   | 11.74            | 59.15                | 100            | 0                 | P                 | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|                               |  |                   | 4924             | 34.62             | -39.38                | 74                  | 52.81                   | 31.34            | 9.65                 | 59.18          | 100               | 0                 | P            | V |
|                               |  |                   | 7386             | 41.14             | -32.86                | 74                  | 52.09                   | 36.46            | 11.74                | 59.15          | 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 RU (Band Edge @ 3m)

| 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 ) |   |
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |      | 2333.415  | 54.47      | -19.53 | 74         | 41.53    | 28.03    | 16.08  | 31.17  | 367    | 303     | P       | H       |   |
|   |      | 2390      | 44.72      | -9.28  | 54         | 31.95    | 27.76    | 16.16  | 31.15  | 367    | 303     | A       | H       |   |
|   | *    | 2412      | 104.94     | -      | -          | 92.21    | 27.68    | 16.18  | 31.13  | 367    | 303     | P       | H       |   |
|   | *    | 2412      | 94.77      | -      | -          | 82.04    | 27.68    | 16.18  | 31.13  | 367    | 303     | A       | H       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         |         | H |
|   |      |           | 2389.485   | 60.85  | -13.15     | 74       | 48.08    | 27.76  | 16.16  | 31.15  | 100     | 354     | P       | V |
|   |      |           | 2390       | 50.69  | -3.31      | 54       | 37.92    | 27.76  | 16.16  | 31.15  | 100     | 354     | A       | V |
|   | *    |           | 2412       | 107.1  | -          | -        | 94.37    | 27.68  | 16.18  | 31.13  | 100     | 354     | P       | V |
|   | *    |           | 2412       | 98.37  | -          | -        | 85.64    | 27.68  | 16.18  | 31.13  | 100     | 354     | A       | V |
|   |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |      | 2375.76   | 54.17      | -19.83 | 74         | 41.33    | 27.85    | 16.14  | 31.15  | 399    | 304     | P       | H       |   |
|   |      | 2335.12   | 43.49      | -10.51 | 54         | 30.54    | 28.03    | 16.09  | 31.17  | 399    | 304     | A       | H       |   |
|   | *    | 2437      | 108.54     | -      | -          | 95.82    | 27.63    | 16.21  | 31.12  | 399    | 304     | P       | H       |   |
|   | *    | 2437      | 99.21      | -      | -          | 86.49    | 27.63    | 16.21  | 31.12  | 399    | 304     | A       | H       |   |
|   |      |           | 2495.92    | 54.78  | -19.22     | 74       | 42.09    | 27.51  | 16.27  | 31.09  | 399     | 304     | P       | H |
|   |      |           | 2483.52    | 43.31  | -10.69     | 54       | 30.63    | 27.53  | 16.25  | 31.1   | 399     | 304     | A       | H |
|   |      |           | 2335.44    | 54     | -20        | 74       | 41.05    | 28.03  | 16.09  | 31.17  | 138     | 14      | P       | V |
|   |      |           | 2311.28    | 43.51  | -10.49     | 54       | 30.56    | 28.08  | 16.05  | 31.18  | 138     | 14      | A       | V |
|   | *    |           | 2437       | 110.46 | -          | -        | 97.74    | 27.63  | 16.21  | 31.12  | 138     | 14      | P       | V |
|   | *    |           | 2437       | 102.14 | -          | -        | 89.42    | 27.63  | 16.21  | 31.12  | 138     | 14      | A       | V |
|   |      | 2493.6    | 54.53      | -19.47 | 74         | 41.85    | 27.51    | 16.26  | 31.09  | 138    | 14      | P       | V       |   |
|   |      | 2483.52   | 43.44      | -10.56 | 54         | 30.76    | 27.53    | 16.25  | 31.1   | 138    | 14      | A       | V       |   |



|   |   |         |        |        |    |       |       |        |       |     |     |   |   |
|---|---|---------|--------|--------|----|-------|-------|--------|-------|-----|-----|---|---|
| <b>802.11ax<br/>HE20 Full<br/>CH 11<br/>2462MHz</b> | *   | 2462    | 108.03 | -      | -  | 95.33 | 27.58 | 16.235 | 31.11 | 396 | 304 | P | H |
|   | *   | 2462    | 97.26  | -      | -  | 84.56 | 27.58 | 16.235 | 31.11 | 396 | 304 | A | H |
|   |   | 2483.52 | 57.97  | -16.03 | 74 | 45.29 | 27.53 | 16.255 | 31.1  | 396 | 304 | P | H |
|   |   | 2483.52 | 46.71  | -7.29  | 54 | 34.03 | 27.53 | 16.255 | 31.1  | 396 | 304 | A | H |
|   |   |         |        |        |    |       |       |        |       |     |     |   | H |
|   |   |         |        |        |    |       |       |        |       |     |     |   | H |
|   | *   | 2462    | 109.96 | -      | -  | 97.26 | 27.58 | 16.235 | 31.11 | 160 | 15  | P | V |
|   | *   | 2462    | 99.83  | -      | -  | 87.13 | 27.58 | 16.235 | 31.11 | 160 | 15  | A | V |
|   |   | 2484.04 | 62.09  | -11.91 | 74 | 49.41 | 27.53 | 16.255 | 31.1  | 160 | 15  | P | V |
|   |   | 2483.52 | 49.1   | -4.9   | 54 | 36.42 | 27.53 | 16.255 | 31.1  | 160 | 15  | A | V |
|   |   |         |        |        |    |       |       |        |       |     |     | V |   |
|   |   |         |        |        |    |       |       |        |       |     |     | V |   |
| <b>Remark</b>                                       | <ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against Peak and Average limit line.</li> </ol> |         |        |        |    |       |       |        |       |     |     |   |   |



**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              | 35.31            | -38.69            | 74                    | 53.59               | 31.25                   | 9.63             | 59.16                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 4824             | 34.72             | -39.28                | 74                  | 53                      | 31.25            | 9.63                 | 59.16          | 100               | 0                 | P            | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |  | 4874              | 34.9             | -39.1             | 74                    | 53.18               | 31.25                   | 9.64             | 59.17                | 100            | 0                 | P                 | H            |   |
|   |  | 7311              | 41.81            | -32.19            | 74                    | 52.78               | 36.52                   | 11.69            | 59.18                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 4874             | 34.81             | -39.19                | 74                  | 53.09                   | 31.25            | 9.64                 | 59.17          | 100               | 0                 | P            | V |
|   |  |                   | 7311             | 41.57             | -32.43                | 74                  | 52.54                   | 36.52            | 11.69                | 59.18          | 100               | 0                 | P            | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax<br>HE20 Full<br>CH 11<br>2462MHz |  | 4924              | 35.01            | -38.99            | 74                    | 53.2                | 31.34                   | 9.65             | 59.18                | 100            | 0                 | P                 | H            |   |
|   |  | 7386              | 40.59            | -33.41            | 74                    | 51.54               | 36.46                   | 11.74            | 59.15                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 4924             | 35.65             | -38.35                | 74                  | 53.84                   | 31.34            | 9.65                 | 59.18          | 100               | 0                 | P            | V |
|   |  |                   | 7386             | 40.6              | -33.4                 | 74                  | 51.55                   | 36.46            | 11.74                | 59.15          | 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 802.11ax HE20 Partial RU (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 ) |   |
|--|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax<br>HE20<br>Partial 26/0<br>CH 01<br>2412MHz |  | 2386.44           | 70.57            | -3.43             | 74                    | 57.79               | 27.78                   | 16.15            | 31.15                | 230            | 3                 | P                 | H            |   |
|  |  | 2390              | 47.94            | -6.06             | 54                    | 35.17               | 27.76                   | 16.16            | 31.15                | 230            | 3                 | A                 | H            |   |
|  | *  | 2412              | 116.46           | -                 | -                     | 103.73              | 27.68                   | 16.18            | 31.13                | 230            | 3                 | P                 | H            |   |
|  | *  | 2412              | 110.83           | -                 | -                     | 98.1                | 27.68                   | 16.18            | 31.13                | 230            | 3                 | A                 | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|  |  |                   | 2388.12          | 60.71             | -13.29                | 74                  | 47.94                   | 27.77            | 16.15                | 31.15          | 346               | 2                 | P            | V |
|  |  |                   | 2390             | 43.94             | -10.06                | 54                  | 31.17                   | 27.76            | 16.16                | 31.15          | 346               | 2                 | A            | V |
|  |  | *                 | 2412             | 108.28            | -                     | -                   | 95.55                   | 27.68            | 16.18                | 31.13          | 346               | 2                 | P            | V |
|  |  | *                 | 2412             | 102.38            | -                     | -                   | 89.65                   | 27.68            | 16.18                | 31.13          | 346               | 2                 | A            | V |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |   |
| 802.11ax<br>HE20<br>Partial 26/8<br>CH 11<br>2462MHz | *  | 2462              | 117.61           | -                 | -                     | 104.91              | 27.58                   | 16.23            | 31.11                | 189            | 33                | P                 | H            |   |
|  | *  | 2462              | 110.32           | -                 | -                     | 97.62               | 27.58                   | 16.23            | 31.11                | 189            | 33                | A                 | H            |   |
|  |  | 2487.08           | 70.48            | -3.52             | 74                    | 57.79               | 27.53                   | 16.26            | 31.1                 | 189            | 33                | P                 | H            |   |
|  |  | 2483.52           | 48.14            | -5.86             | 54                    | 35.46               | 27.53                   | 16.25            | 31.1                 | 189            | 33                | A                 | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|  |  | *                 | 2462             | 111.51            | -                     | -                   | 98.81                   | 27.58            | 16.23                | 31.11          | 397               | 354               | P            | V |
|  |  | *                 | 2462             | 104.81            | -                     | -                   | 92.11                   | 27.58            | 16.23                | 31.11          | 397               | 354               | A            | V |
|  |  |                   | 2486.96          | 67.83             | -6.17                 | 74                  | 55.14                   | 27.53            | 16.26                | 31.1           | 397               | 354               | P            | V |
|  |  |                   | 2483.52          | 45.49             | -8.51                 | 54                  | 32.81                   | 27.53            | 16.25                | 31.1           | 397               | 354               | A            | V |
|  |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | 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 802.11ax HE20 Partial RU (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<br>Partial<br>52/37<br>CH 01<br>2412MHz |      | 2386.65   | 69.56      | -4.44      | 74         | 56.78      | 27.78          | 16.15     | 31.15         | 229     | 3         | P         | H       |   |
|  |      | 2385.81   | 47.28      | -6.72      | 54         | 34.49      | 27.79          | 16.15     | 31.15         | 229     | 3         | A         | H       |   |
|  | *    | 2412      | 114.49     | -          | -          | 101.76     | 27.68          | 16.18     | 31.13         | 229     | 3         | P         | H       |   |
|  | *    | 2412      | 107.9      | -          | -          | 95.17      | 27.68          | 16.18     | 31.13         | 229     | 3         | A         | H       |   |
|  |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|  |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|  |      |           | 2387.595   | 60.3       | -13.7      | 74         | 47.53          | 27.77     | 16.15         | 31.15   | 346       | 3         | P       | V |
|  |      |           | 2388.96    | 43.84      | -10.16     | 54         | 31.06          | 27.77     | 16.16         | 31.15   | 346       | 3         | A       | V |
|  | *    | 2412      | 107.31     | -          | -          | 94.58      | 27.68          | 16.18     | 31.13         | 346     | 3         | P         | V       |   |
|  | *    | 2412      | 99.75      | -          | -          | 87.02      | 27.68          | 16.18     | 31.13         | 346     | 3         | A         | V       |   |
|  |      |           |            |            |            |            |                |           |               |         |           | V         |         |   |
|  |      |           |            |            |            |            |                |           |               |         |           | V         |         |   |
| 802.11ax<br>HE20<br>Partial<br>52/40<br>CH 11<br>2462MHz | *    | 2462      | 114.35     | -          | -          | 101.65     | 27.58          | 16.23     | 31.11         | 244     | 38        | P         | H       |   |
|  | *    | 2462      | 107.06     | -          | -          | 94.36      | 27.58          | 16.23     | 31.11         | 244     | 38        | A         | H       |   |
|  |      | 2487.36   | 68.73      | -5.27      | 74         | 56.04      | 27.53          | 16.26     | 31.1          | 244     | 38        | P         | H       |   |
|  |      | 2483.52   | 45.79      | -8.21      | 54         | 33.11      | 27.53          | 16.25     | 31.1          | 244     | 38        | A         | H       |   |
|  |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|  |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|  | *    | 2462      | 107.69     | -          | -          | 94.99      | 27.58          | 16.23     | 31.11         | 284     | 6         | P         | V       |   |
|  | *    | 2462      | 99.1       | -          | -          | 86.4       | 27.58          | 16.23     | 31.11         | 284     | 6         | A         | V       |   |
|  |      | 2487.48   | 62.33      | -11.67     | 74         | 49.64      | 27.53          | 16.26     | 31.1          | 284     | 6         | P         | V       |   |
|  |      | 2483.52   | 43.72      | -10.28     | 54         | 31.04      | 27.53          | 16.25     | 31.1          | 284     | 6         | A         | V       |   |
|  |      |           |            |            |            |            |                |           |               |         |           | V         |         |   |
|  |      |           |            |            |            |            |                |           |               |         |           | V         |         |   |





**2.4GHz 2400~2483.5MHz  
WIFI 802.11ax HE20 Partial RU (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<br>Partial<br>106/53<br>CH 01<br>2412MHz |      | 2386.44   | 70.14      | -3.86      | 74         | 57.36      | 27.78          | 16.15     | 31.15         | 209     | 1         | P         | H       |   |
|   |      | 2390      | 49.06      | -4.94      | 54         | 36.29      | 27.76          | 16.16     | 31.15         | 209     | 1         | A         | H       |   |
|   | *    | 2412      | 112.7      | -          | -          | 99.97      | 27.68          | 16.18     | 31.13         | 209     | 1         | P         | H       |   |
|   | *    | 2412      | 105.99     | -          | -          | 93.26      | 27.68          | 16.18     | 31.13         | 209     | 1         | A         | H       |   |
|   |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|   |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|   |      |           | 2386.965   | 62.48      | -11.52     | 74         | 49.7           | 27.78     | 16.15         | 31.15   | 395       | 333       | P       | V |
|   |      |           | 2390       | 44.74      | -9.26      | 54         | 31.97          | 27.76     | 16.16         | 31.15   | 395       | 333       | A       | V |
|   | *    |           | 2412       | 106.5      | -          | -          | 93.77          | 27.68     | 16.18         | 31.13   | 395       | 333       | P       | V |
|   | *    |           | 2412       | 98.96      | -          | -          | 86.23          | 27.68     | 16.18         | 31.13   | 395       | 333       | A       | V |
|   |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
|   |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
| 802.11ax<br>HE20<br>Partial<br>106/54<br>CH 11<br>2462MHz | *    | 2462      | 112.19     | -          | -          | 99.49      | 27.58          | 16.23     | 31.11         | 242     | 39        | P         | H       |   |
|   | *    | 2462      | 104.58     | -          | -          | 91.88      | 27.58          | 16.23     | 31.11         | 242     | 39        | A         | H       |   |
|   |      | 2487.52   | 69.03      | -4.97      | 74         | 56.35      | 27.52          | 16.26     | 31.1          | 242     | 39        | P         | H       |   |
|   |      | 2488      | 47.28      | -6.72      | 54         | 34.6       | 27.52          | 16.26     | 31.1          | 242     | 39        | A         | H       |   |
|   |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|   |      |           |            |            |            |            |                |           |               |         |           |           | H       |   |
|   | *    | 2462      | 104.13     | -          | -          | 91.43      | 27.58          | 16.23     | 31.11         | 283     | 9         | P         | V       |   |
|   | *    | 2462      | 97.15      | -          | -          | 84.45      | 27.58          | 16.23     | 31.11         | 283     | 9         | A         | V       |   |
|   |      | 2487.48   | 61.16      | -12.84     | 74         | 48.47      | 27.53          | 16.26     | 31.1          | 283     | 9         | P         | V       |   |
|   |      | 2483.52   | 43.94      | -10.06     | 54         | 31.26      | 27.53          | 16.25     | 31.1          | 283     | 9         | A         | V       |   |
|   |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |
|   |      |           |            |            |            |            |                |           |               |         |           |           | V       |   |



**2.4GHz 2400~2483.5MHz  
WIFI 802.11 ax HE40 Full RU (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 ) |
|---|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax<br>HE40 Full<br>CH 03<br>2422MHz |         | 2390              | 56.36            | -17.64            | 74                    | 43.59               | 27.76                   | 16.16            | 31.15                | 400            | 312               | P                 | H            |
|   |         | 2390              | 46.28            | -7.72             | 54                    | 33.51               | 27.76                   | 16.16            | 31.15                | 400            | 312               | A                 | H            |
|   | *       | 2422              | 99.96            | -                 | -                     | 87.24               | 27.66                   | 16.19            | 31.13                | 400            | 312               | P                 | H            |
|   | *       | 2422              | 91.12            | -                 | -                     | 78.4                | 27.66                   | 16.19            | 31.13                | 400            | 312               | A                 | H            |
|   |         | 2487.28           | 53.51            | -20.49            | 74                    | 40.82               | 27.53                   | 16.26            | 31.1                 | 400            | 312               | P                 | H            |
|   |         | 2483.52           | 43.28            | -10.72            | 54                    | 30.6                | 27.53                   | 16.25            | 31.1                 | 400            | 312               | A                 | H            |
|   |         | 2390              | 62.64            | -11.36            | 74                    | 49.87               | 27.76                   | 16.16            | 31.15                | 119            | 355               | P                 | V            |
|   |         | 2390              | 50.28            | -3.72             | 54                    | 37.51               | 27.76                   | 16.16            | 31.15                | 119            | 355               | A                 | V            |
|   | *       | 2422              | 105.53           | -                 | -                     | 92.81               | 27.66                   | 16.19            | 31.13                | 119            | 355               | P                 | V            |
|   | *       | 2422              | 95.43            | -                 | -                     | 82.71               | 27.66                   | 16.19            | 31.13                | 119            | 355               | A                 | V            |
| 802.11ax<br>HE40 Full<br>CH 06<br>2437MHz |         | 2389.68           | 57.27            | -16.73            | 74                    | 44.5                | 27.76                   | 16.16            | 31.15                | 400            | 292               | P                 | H            |
|   |         | 2390              | 45.37            | -8.63             | 54                    | 32.6                | 27.76                   | 16.16            | 31.15                | 400            | 292               | A                 | H            |
|   | *       | 2437              | 104.24           | -                 | -                     | 91.52               | 27.63                   | 16.21            | 31.12                | 400            | 292               | P                 | H            |
|   | *       | 2437              | 93.92            | -                 | -                     | 81.2                | 27.63                   | 16.21            | 31.12                | 400            | 292               | A                 | H            |
|   |         | 2483.6            | 55.1             | -18.9             | 74                    | 42.42               | 27.53                   | 16.25            | 31.1                 | 400            | 292               | P                 | H            |
|   |         | 2483.52           | 45.29            | -8.71             | 54                    | 32.61               | 27.53                   | 16.25            | 31.1                 | 400            | 292               | A                 | H            |
|   |         | 2389.68           | 59.43            | -14.57            | 74                    | 46.66               | 27.76                   | 16.16            | 31.15                | 134            | 12                | P                 | V            |
|   |         | 2390              | 49.13            | -4.87             | 54                    | 36.36               | 27.76                   | 16.16            | 31.15                | 134            | 12                | A                 | V            |
|   | *       | 2437              | 106.16           | -                 | -                     | 93.44               | 27.63                   | 16.21            | 31.12                | 134            | 12                | P                 | V            |
|   | *       | 2437              | 97.48            | -                 | -                     | 84.76               | 27.63                   | 16.21            | 31.12                | 134            | 12                | A                 | V            |
|   | 2483.52 | 58.94             | -15.06           | 74                | 46.26                 | 27.53               | 16.25                   | 31.1             | 134                  | 12             | P                 | V                 |              |
|   | 2483.52 | 47.45             | -6.55            | 54                | 34.77                 | 27.53               | 16.25                   | 31.1             | 134                  | 12             | A                 | V                 |              |



|  |   |         |        |        |    |       |       |       |       |     |     |   |   |
|--|---|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE40 Full</b><br><b>CH 9</b><br><b>2452MHz</b> |   | 2366.48 | 54.26  | -19.74 | 74 | 41.39 | 27.9  | 16.13 | 31.16 | 397 | 308 | P | H |
|  |   | 2343.6  | 43.45  | -10.55 | 54 | 30.51 | 28.01 | 16.1  | 31.17 | 397 | 308 | A | H |
|  | *   | 2452    | 101.94 | -      | -  | 89.23 | 27.6  | 16.22 | 31.11 | 397 | 308 | P | H |
|  | *   | 2452    | 92.93  | -      | -  | 80.22 | 27.6  | 16.22 | 31.11 | 397 | 308 | A | H |
|  |   | 2485.96 | 60.12  | -13.88 | 74 | 47.43 | 27.53 | 16.26 | 31.1  | 397 | 308 | P | H |
|  |   | 2483.52 | 46.77  | -7.23  | 54 | 34.09 | 27.53 | 16.25 | 31.1  | 397 | 308 | A | H |
|  |   | 2310.32 | 54.43  | -19.57 | 74 | 41.48 | 28.08 | 16.05 | 31.18 | 111 | 12  | P | V |
|  |   | 2315.6  | 43.46  | -10.54 | 54 | 30.51 | 28.07 | 16.06 | 31.18 | 111 | 12  | A | V |
|  | *   | 2452    | 104.96 | -      | -  | 92.25 | 27.6  | 16.22 | 31.11 | 111 | 12  | P | V |
|  | *   | 2452    | 96.45  | -      | -  | 83.74 | 27.6  | 16.22 | 31.11 | 111 | 12  | A | V |
|  |   | 2486.24 | 63.82  | -10.18 | 74 | 51.13 | 27.53 | 16.26 | 31.1  | 111 | 12  | P | V |
|  |   | 2483.52 | 50.6   | -3.4   | 54 | 37.92 | 27.53 | 16.25 | 31.1  | 111 | 12  | 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              | 35.84            | -38.16            | 74                    | 54.09               | 31.29                   | 9.63             | 59.17                | 100            | 0                 | P                 | H            |
|   |  | 7266              | 41.62            | -32.38            | 74                    | 52.65               | 36.5                    | 11.66            | 59.19                | 100            | 0                 | P                 | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  | 4844              | 35.47            | -38.53            | 74                    | 53.72               | 31.29                   | 9.63             | 59.17                | 100            | 0                 | P                 | V            |
|   |  | 7266              | 41.33            | -32.67            | 74                    | 52.36               | 36.5                    | 11.66            | 59.19                | 100            | 0                 | P                 | V            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11ax<br>HE40 Full<br>CH 06<br>2437MHz |  | 4874              | 34.37            | -39.63            | 74                    | 52.65               | 31.25                   | 9.64             | 59.17                | 100            | 0                 | P                 | H            |
|   |  | 7311              | 41.18            | -32.82            | 74                    | 52.15               | 36.52                   | 11.69            | 59.18                | 100            | 0                 | P                 | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  | 4874              | 35.11            | -38.89            | 74                    | 53.39               | 31.25                   | 9.64             | 59.17                | 100            | 0                 | P                 | V            |
|   |  | 7311              | 41.04            | -32.96            | 74                    | 52.01               | 36.52                   | 11.69            | 59.18                | 100            | 0                 | P                 | V            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11ax<br>HE40 Full<br>CH 9<br>2452MHz  |  | 4904              | 34.7             | -39.3             | 74                    | 53.02               | 31.22                   | 9.64             | 59.18                | 100            | 0                 | P                 | H            |
|   |  | 7356              | 41.66            | -32.34            | 74                    | 52.52               | 36.58                   | 11.72            | 59.16                | 100            | 0                 | P                 | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |  | 4904              | 35.93            | -38.07            | 74                    | 54.25               | 31.22                   | 9.64             | 59.18                | 100            | 0                 | P                 | V            |
|   |  | 7356              | 40.84            | -33.16            | 74                    | 51.7                | 36.58                   | 11.72            | 59.16                | 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 802.11ax HE40 Partial RU (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>HE40<br>Partial<br>242/61<br>CH 03<br>2422MHz |         | 2388.4    | 60.48      | -13.52     | 74         | 47.71      | 27.77          | 16.15     | 31.15         | 200     | 30        | P         | H       |
|   |         | 2390      | 47.81      | -6.19      | 54         | 35.04      | 27.76          | 16.16     | 31.15         | 200     | 30        | A         | H       |
|   | *       | 2422      | 108.38     | -          | -          | 95.66      | 27.66          | 16.19     | 31.13         | 200     | 30        | P         | H       |
|   | *       | 2422      | 98.12      | -          | -          | 85.4       | 27.66          | 16.19     | 31.13         | 200     | 30        | A         | H       |
|   |         | 2494.72   | 53.86      | -20.14     | 74         | 41.18      | 27.51          | 16.26     | 31.09         | 200     | 30        | P         | H       |
|   |         | 2485.44   | 43.54      | -10.46     | 54         | 30.85      | 27.53          | 16.26     | 31.1          | 200     | 30        | A         | H       |
|   |         | 2323.6    | 54.86      | -19.14     | 74         | 41.92      | 28.05          | 16.07     | 31.18         | 393     | 337       | P         | V       |
|   |         | 2390      | 44.28      | -9.72      | 54         | 31.51      | 27.76          | 16.16     | 31.15         | 393     | 337       | A         | V       |
|   | *       | 2422      | 101.05     | -          | -          | 88.33      | 27.66          | 16.19     | 31.13         | 393     | 337       | P         | V       |
|   | *       | 2422      | 90.94      | -          | -          | 78.22      | 27.66          | 16.19     | 31.13         | 393     | 337       | A         | V       |
| 802.11ax<br>HE40<br>Partial<br>242/62<br>CH 09<br>2452MHz |         | 2495.6    | 53.62      | -20.38     | 74         | 40.93      | 27.51          | 16.27     | 31.09         | 393     | 337       | P         | V       |
|   |         | 2485.92   | 43.41      | -10.59     | 54         | 30.72      | 27.53          | 16.26     | 31.1          | 393     | 337       | A         | V       |
|   |         | 2315.44   | 54.68      | -19.32     | 74         | 41.73      | 28.07          | 16.06     | 31.18         | 239     | 10        | P         | H       |
|   |         | 2326.8    | 43.76      | -10.24     | 54         | 30.82      | 28.05          | 16.07     | 31.18         | 239     | 10        | A         | H       |
|   | *       | 2452      | 107.1      | -          | -          | 94.39      | 27.6           | 16.22     | 31.11         | 239     | 10        | P         | H       |
|   | *       | 2452      | 96.24      | -          | -          | 83.53      | 27.6           | 16.22     | 31.11         | 239     | 10        | A         | H       |
|   |         | 2483.76   | 63.3       | -10.7      | 74         | 50.62      | 27.53          | 16.25     | 31.1          | 239     | 10        | P         | H       |
|   |         | 2484.32   | 50.01      | -3.99      | 54         | 37.33      | 27.53          | 16.25     | 31.1          | 239     | 10        | A         | H       |
|   |         | 2348.72   | 54.86      | -19.14     | 74         | 41.93      | 28             | 16.1      | 31.17         | 351     | 354       | P         | V       |
|   |         | 2312.08   | 43.69      | -10.31     | 54         | 30.73      | 28.08          | 16.06     | 31.18         | 351     | 354       | A         | V       |
| *   | 2452    | 103.94    | -          | -          | 91.23      | 27.6       | 16.22          | 31.11     | 351           | 354     | P         | V         |         |
| *   | 2452    | 92.02     | -          | -          | 79.31      | 27.6       | 16.22          | 31.11     | 351           | 354     | A         | V         |         |
|   | 2484.32 | 59.9      | -14.1      | 74         | 47.22      | 27.53      | 16.25          | 31.1      | 351           | 354     | P         | V         |         |
|   | 2483.68 | 45.79     | -8.21      | 54         | 33.11      | 27.53      | 16.25          | 31.1      | 351           | 354     | A         | V         |         |



Emission below 1GHz

2.4GHz WIFI 802. 11ax(HE20) (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>802.11ax<br>(HE20)<br>LF |  | 30.97     | 23.57      | -16.43 | 40         | 30.46  | 24.81    | 0.72   | 32.42  | -      | -       | P     | H     |   |
|                                    |  | 177.44    | 22.76      | -20.74 | 43.5       | 38.24  | 15.16    | 1.9    | 32.54  | -      | -       | P     | H     |   |
|                                    |  | 298.69    | 36.84      | -9.16  | 46         | 47.5   | 19.27    | 2.28   | 32.21  | 100    | 0       | P     | H     |   |
|                                    |  | 325.85    | 32.93      | -13.07 | 46         | 43.08  | 19.63    | 2.35   | 32.13  | -      | -       | P     | H     |   |
|                                    |  | 406.36    | 27.64      | -18.36 | 46         | 34.88  | 22.13    | 2.6    | 31.97  | -      | -       | P     | H     |   |
|                                    |  | 718.7     | 33.83      | -12.17 | 46         | 35.16  | 27.12    | 3.47   | 31.92  | -      | -       | P     | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       |       | H |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       |       | H |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       |       | H |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       |       | H |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       |       | H |
|                                    |  |           | 35.82      | 26.04  | -13.96     | 40     | 35.59    | 22.13  | 0.77   | 32.45  | -       | -     | P     | V |
|                                    |  |           | 82.38      | 23.79  | -16.21     | 40     | 41.21    | 13.78  | 1.24   | 32.44  | -       | -     | P     | V |
|                                    |  |           | 298.69     | 31.23  | -14.77     | 46     | 41.89    | 19.27  | 2.28   | 32.21  | -       | -     | P     | V |
|                                    |  |           | 325.85     | 31.86  | -14.14     | 46     | 42.01    | 19.63  | 2.35   | 32.13  | -       | -     | P     | V |
|                                    |  |           | 352.04     | 25.8   | -20.2      | 46     | 34.94    | 20.48  | 2.43   | 32.05  | -       | -     | P     | V |
|                                    |  |           | 718.7      | 39.62  | -6.38      | 46     | 40.95    | 27.12  | 3.47   | 31.92  | 100     | 0     | P     | V |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       |       | V |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       |       | V |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
| <b>Remark</b>                      | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against limit line.</li> </ol> |           |            |        |            |        |          |        |        |        |         |       |       |   |



<WPC Mode>

2.4GHz 2400~2483.5MHz

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

| 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 ) |   |
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |      | 2388.96   | 57.81      | -16.19 | 74         | 45.03    | 27.77    | 16.16  | 31.15  | 100    | 176     | P       | H       |   |
|   |      | 2390      | 46.42      | -7.58  | 54         | 33.65    | 27.76    | 16.16  | 31.15  | 100    | 176     | A       | H       |   |
|   | *    | 2412      | 104.74     | -      | -          | 92.01    | 27.68    | 16.18  | 31.13  | 100    | 176     | P       | H       |   |
|   | *    | 2412      | 95.09      | -      | -          | 82.36    | 27.68    | 16.18  | 31.13  | 100    | 176     | A       | H       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         |         | H |
|   |      |           | 2390       | 59.22  | -14.78     | 74       | 46.45    | 27.76  | 16.16  | 31.15  | 100     | 70      | P       | V |
|   |      |           | 2390       | 47.01  | -6.99      | 54       | 34.24    | 27.76  | 16.16  | 31.15  | 100     | 70      | A       | V |
|   |      | *         | 2412       | 104.47 | -          | -        | 91.74    | 27.68  | 16.18  | 31.13  | 100     | 70      | P       | V |
|   |      | *         | 2412       | 94.81  | -          | -        | 82.08    | 27.68  | 16.18  | 31.13  | 100     | 70      | A       | V |
|   |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |

**Remark**

- No other spurious found.
- 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              | 35.31            | -38.69            | 74                    | 53.59               | 31.25                   | 9.63             | 59.16                | 100            | 0                 | P                 | H            |
|   |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
|   |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |   | 4824              | 34.72            | -39.28            | 74                    | 53                  | 31.25                   | 9.63             | 59.16                | 100            | 0                 | P                 | V            |
|   |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
|   |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
|   |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
|   |   |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | V            |
| <b>Remark</b>                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              |





Emission below 1GHz  
2.4GHz WIFI 802. 11ax(HE20) (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>802.11ax<br>(HE20)<br>LF |  | 55.22     | 31.25      | -8.75  | 40         | 50.3   | 12.48    | 0.99   | 32.52  | 100    | 0       | P     | H     |   |
|                                    |  | 101.78    | 32.65      | -10.85 | 43.5       | 47.42  | 16.26    | 1.35   | 32.38  | -      | -       | P     | H     |   |
|                                    |  | 168.71    | 24.71      | -18.79 | 43.5       | 39.67  | 15.73    | 1.83   | 32.52  | -      | -       | P     | H     |   |
|                                    |  | 217.21    | 24.65      | -21.35 | 46         | 40.08  | 15.08    | 2.01   | 32.52  | -      | -       | P     | H     |   |
|                                    |  | 217.21    | 24.65      | -21.35 | 46         | 40.08  | 15.08    | 2.01   | 32.52  | -      | -       | P     | H     |   |
|                                    |  | 714.82    | 33.58      | -12.42 | 46         | 35.14  | 26.89    | 3.46   | 31.91  | -      | -       | P     | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                                    |  |           | 39.7       | 33.55  | -6.45      | 40     | 45.17    | 20.04  | 0.82   | 32.48  | 100     | 0     | P     | V |
|                                    |  |           | 55.22      | 32.93  | -7.07      | 40     | 51.98    | 12.48  | 0.99   | 32.52  | -       | -     | P     | V |
|                                    |  |           | 100.81     | 34.53  | -8.97      | 43.5   | 49.49    | 16.08  | 1.34   | 32.38  | -       | -     | P     | V |
|                                    |  |           | 217.21     | 22.41  | -23.59     | 46     | 37.84    | 15.08  | 2.01   | 32.52  | -       | -     | P     | V |
|                                    |  |           | 717.73     | 32.09  | -13.91     | 46     | 33.48    | 27.06  | 3.47   | 31.92  | -       | -     | P     | V |
|                                    |  |           | 968.96     | 34.86  | -19.14     | 54     | 30.34    | 31.22  | 4.12   | 30.82  | -       | -     | P     | V |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
|                                    |  |           |            |        |            |        |          |        |        |        |         |       | V     |   |
| <b>Remark</b>                      | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |   |



<TXBF Mode>

2.4GHz 2400~2483.5MHz

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

| 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 ) |   |
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |      | 2389.905  | 62.1       | -11.9  | 74         | 49.33    | 27.76    | 16.16  | 31.15  | 147    | 28      | P       | H       |   |
|   |      | 2389.905  | 48.01      | -5.99  | 54         | 35.24    | 27.76    | 16.16  | 31.15  | 147    | 28      | A       | H       |   |
|   | *    | 2412      | 106.42     | -      | -          | 93.69    | 27.68    | 16.18  | 31.13  | 147    | 28      | P       | H       |   |
|   | *    | 2412      | 94.21      | -      | -          | 81.48    | 27.68    | 16.18  | 31.13  | 147    | 28      | A       | H       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         | H       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         |         | H |
|   |      |           | 2389.905   | 54.53  | -19.47     | 74       | 41.76    | 27.76  | 16.16  | 31.15  | 400     | 9       | P       | V |
|   |      |           | 2390       | 43.84  | -10.16     | 54       | 31.07    | 27.76  | 16.16  | 31.15  | 400     | 9       | A       | V |
|   |      | *         | 2412       | 97.59  | -          | -        | 84.86    | 27.68  | 16.18  | 31.13  | 400     | 9       | P       | V |
|   |      | *         | 2412       | 84.98  | -          | -        | 72.25    | 27.68  | 16.18  | 31.13  | 400     | 9       | A       | V |
|   |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|   |      |           |            |        |            |          |          |        |        |        |         |         | V       |   |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |      | 2353.68   | 54.57      | -19.43 | 74         | 41.64    | 27.98    | 16.11  | 31.16  | 222    | 17      | P       | H       |   |
|   |      | 2336.08   | 43.6       | -10.4  | 54         | 30.65    | 28.03    | 16.09  | 31.17  | 222    | 17      | A       | H       |   |
|   | *    | 2437      | 107.09     | -      | -          | 94.37    | 27.63    | 16.21  | 31.12  | 222    | 17      | P       | H       |   |
|   | *    | 2437      | 93.64      | -      | -          | 80.92    | 27.63    | 16.21  | 31.12  | 222    | 17      | A       | H       |   |
|   |      |           | 2486.59    | 54.39  | -19.61     | 74       | 41.7     | 27.53  | 16.26  | 31.1   | 222     | 17      | P       | H |
|   |      |           | 2485.15    | 43.37  | -10.63     | 54       | 30.68    | 27.53  | 16.26  | 31.1   | 222     | 17      | A       | H |
|   |      |           | 2327.6     | 54.88  | -19.12     | 74       | 41.94    | 28.04  | 16.08  | 31.18  | 385     | 6       | P       | V |
|   |      |           | 2310.8     | 43.58  | -10.42     | 54       | 30.63    | 28.08  | 16.05  | 31.18  | 385     | 6       | A       | V |
|   |      | *         | 2437       | 98.6   | -          | -        | 85.88    | 27.63  | 16.21  | 31.12  | 385     | 6       | P       | V |
|   |      | *         | 2437       | 85.95  | -          | -        | 73.23    | 27.63  | 16.21  | 31.12  | 385     | 6       | A       | V |
|   |      | 2489.74   | 54.49      | -19.51 | 74         | 41.81    | 27.52    | 16.26  | 31.1   | 385    | 6       | P       | V       |   |
|   |      | 2484.79   | 43.31      | -10.69 | 54         | 30.63    | 27.53    | 16.25  | 31.1   | 385    | 6       | A       | V       |   |



|   |   |         |        |        |    |       |       |       |       |     |    |   |   |
|---|---|---------|--------|--------|----|-------|-------|-------|-------|-----|----|---|---|
| <b>802.11ax<br/>HE20 Full<br/>CH 11<br/>2462MHz</b> | *   | 2462    | 108.12 | -      | -  | 95.42 | 27.58 | 16.23 | 31.11 | 251 | 42 | P | H |
|   | *   | 2462    | 93.76  | -      | -  | 81.06 | 27.58 | 16.23 | 31.11 | 251 | 42 | A | H |
|   |   | 2483.6  | 65.91  | -8.09  | 74 | 53.23 | 27.53 | 16.25 | 31.1  | 251 | 42 | P | H |
|   |   | 2483.52 | 47.72  | -6.28  | 54 | 35.04 | 27.53 | 16.25 | 31.1  | 251 | 42 | A | H |
|   |   |         |        |        |    |       |       |       |       |     |    |   | H |
|   |   |         |        |        |    |       |       |       |       |     |    |   | H |
|   | *   | 2462    | 99.66  | -      | -  | 86.96 | 27.58 | 16.23 | 31.11 | 199 | 21 | P | V |
|   | *   | 2462    | 85.82  | -      | -  | 73.12 | 27.58 | 16.23 | 31.11 | 199 | 21 | A | V |
|   |   | 2484.88 | 54.04  | -19.96 | 74 | 41.36 | 27.53 | 16.25 | 31.1  | 199 | 21 | P | V |
|   |   | 2483.52 | 44.03  | -9.97  | 54 | 31.35 | 27.53 | 16.25 | 31.1  | 199 | 21 | A | V |
|   |   |         |        |        |    |       |       |       |       |     |    | V |   |
|   |   |         |        |        |    |       |       |       |       |     |    | V |   |
| <b>Remark</b>                                       | <ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against Peak and Average limit line.</li> </ol> |         |        |        |    |       |       |       |       |     |    |   |   |



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full RU (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              | 34.66            | -39.34            | 74                    | 52.94               | 31.25                   | 9.63             | 59.16                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 4824             | 35.05             | -38.95                | 74                  | 53.33                   | 31.25            | 9.63                 | 59.16          | 100               | 0                 | P            | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |  | 4874              | 36.41            | -37.59            | 74                    | 54.69               | 31.25                   | 9.64             | 59.17                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 7311             | 42.12             | -31.88                | 74                  | 53.09                   | 36.52            | 11.69                | 59.18          | 100               | 0                 | P            | H |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|   |  |                   | 4874             | 36.11             | -37.89                | 74                  | 54.39                   | 31.25            | 9.64                 | 59.17          | 100               | 0                 | P            | V |
|   |  |                   | 7311             | 42.64             | -31.36                | 74                  | 53.61                   | 36.52            | 11.69                | 59.18          | 100               | 0                 | P            | V |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | V |
| 802.11ax<br>HE20 Full<br>CH 11<br>2462MHz |  | 4924              | 35.29            | -38.71            | 74                    | 53.48               | 31.34                   | 9.65             | 59.18                | 100            | 0                 | P                 | H            |   |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   | H            |   |
|   |  |                   | 7386             | 40.4              | -33.6                 | 74                  | 51.35                   | 36.46            | 11.74                | 59.15          | 100               | 0                 | P            | H |
|   |  |                   |                  |                   |                       |                     |                         |                  |                      |                |                   |                   |              | H |
|   |  |                   | 4924             | 34.82             | -39.18                | 74                  | 53.01                   | 31.34            | 9.65                 | 59.18          | 100               | 0                 | P            | V |
|   |  |                   | 7386             | 40.84             | -33.16                | 74                  | 51.79                   | 36.46            | 11.74                | 59.15          | 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 802.11ax(HE20) (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>802.11ax<br>(HE20)<br>LF |  | 47.46     | 26.07      | -13.93 | 40         | 42.45    | 15.24    | 0.9    | 32.52  | -      | -       | P       | H       |   |
|                                    |  | 203.63    | 29.35      | -14.15 | 43.5       | 44.92    | 15.06    | 1.95   | 32.58  | -      | -       | P       | H       |   |
|                                    |  | 260.86    | 26.48      | -19.52 | 46         | 36.91    | 19.76    | 2.17   | 32.36  | -      | -       | P       | H       |   |
|                                    |  | 369.5     | 33.06      | -12.94 | 46         | 41.8     | 20.77    | 2.49   | 32     | -      | -       | P       | H       |   |
|                                    |  | 372.41    | 33.28      | -12.72 | 46         | 41.94    | 20.83    | 2.5    | 31.99  | -      | -       | P       | H       |   |
|                                    |  | 913.67    | 33.31      | -12.69 | 46         | 31.62    | 29.24    | 4      | 31.55  | 100    | 0       | P       | H       |   |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         |         | H |
|                                    |  |           | 33.88      | 21.8   | -18.2      | 40       | 30.86    | 22.63  | 0.75   | 32.44  | -       | -       | P       | V |
|                                    |  |           | 165.8      | 22.57  | -20.93     | 43.5     | 37.38    | 15.89  | 1.82   | 32.52  | -       | -       | P       | V |
|                                    |  |           | 204.6      | 25.45  | -18.05     | 43.5     | 40.99    | 15.07  | 1.96   | 32.57  | -       | -       | P       | V |
|                                    |  |           | 713.85     | 34.46  | -11.54     | 46       | 36.26    | 26.65  | 3.46   | 31.91  | 100     | 0       | P       | V |
|                                    |  |           | 720.64     | 33.48  | -12.52     | 46       | 35       | 26.94  | 3.47   | 31.93  | -       | -       | P       | V |
|                                    |  |           | 889.42     | 33.7   | -12.3      | 46       | 32.58    | 28.96  | 3.94   | 31.78  | -       | -       | P       | V |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         |         | V |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
|                                    |  |           |            |        |            |          |          |        |        |        |         |         | V       |   |
| <b>Remark</b>                      | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |   |



**Note symbol**

|     |  |
|-----|--|
| *   | <b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| !   | Test result is <b>over limit</b> line.   |
| P/A | <b>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 : | Leo Lee, Mancy Chou, and Bigshow Wang | Temperature :       | 23.9~25.2°C |
|                 |                                       | Relative Humidity : | 53~60%      |

### Note symbol

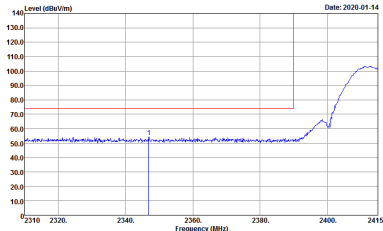
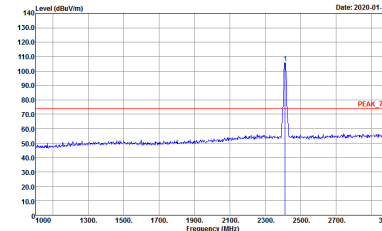
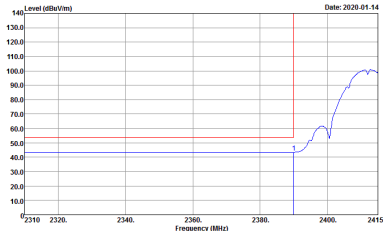
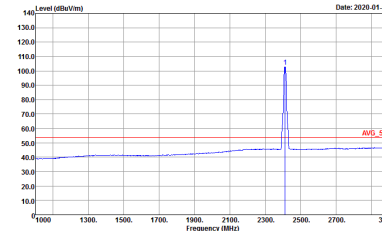
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



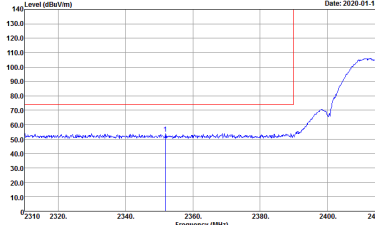
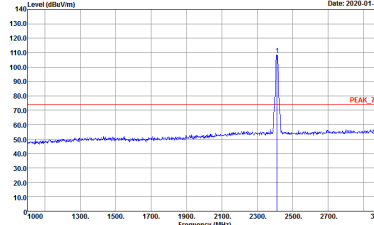
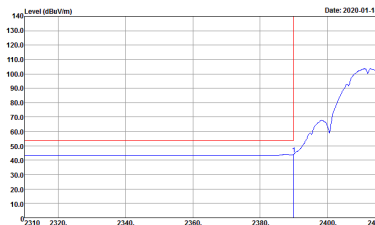
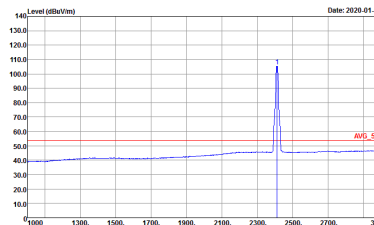


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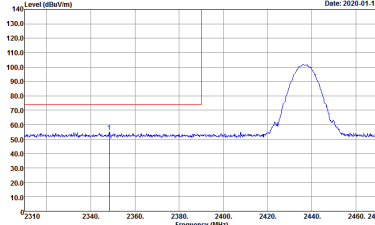
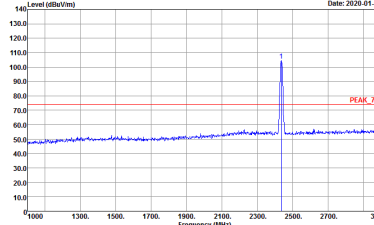
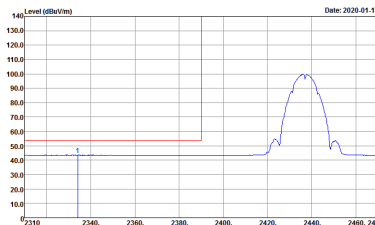
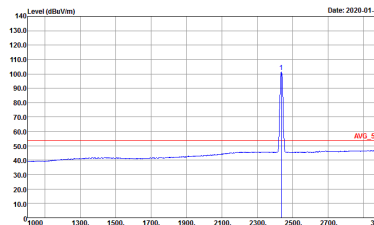
2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11b CH01 2412MHz   |  |
| 1+2  | Horizontal   | Fundamental  |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p>  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> |  <p>Site : 03CH15-HY<br/>Condition : AVG_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 9D0635</p> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11b CH01 2412MHz   |  |
| 1+2  | Vertical   | Fundamental  |
| Peak |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_8E_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>           Condition : AVG_8E_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |  <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |

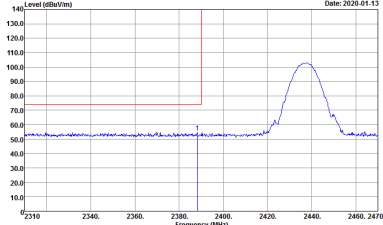
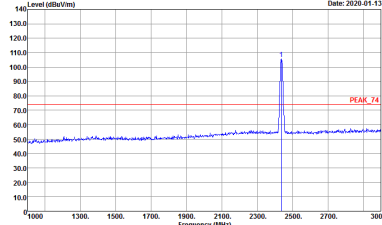
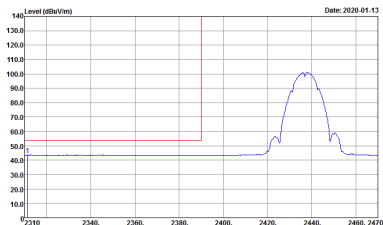
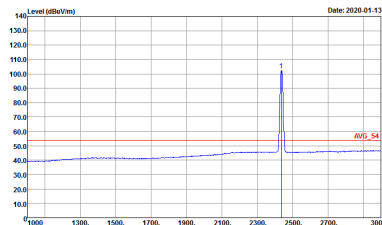


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|--------------------|--|--|
| ANT                | 802.11b CH06 2437MHz - L   |  |
| 1+2                | Horizontal   | Fundamental  |
| <p><b>Peak</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_8E_74 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_8E_54 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |  <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |

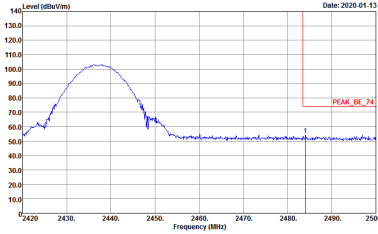
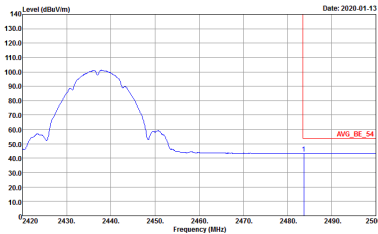


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
|------|--|-------------|
| ANT  | 802.11b CH06 2437MHz - R   |             |
| 1+2  | Horizontal   | Fundamental |
| Peak | <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWF:Auto<br/>Detector : Peak<br/>Project : 9D0635</p> | Left blank  |
| Avg. | <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.010kHz SWF:Auto<br/>Detector : Peak<br/>Project : 9D0635</p>     | Left blank  |

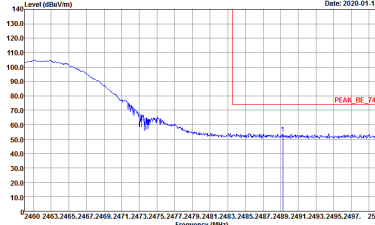
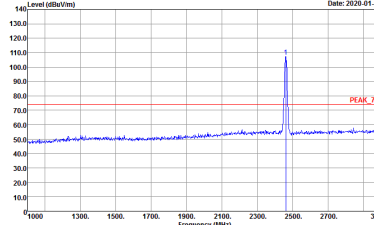
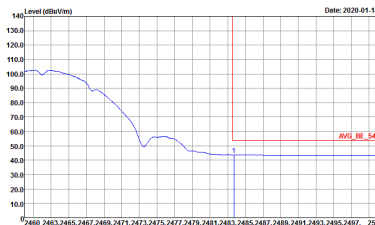
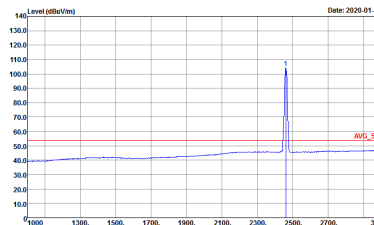


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11b CH06 2437MHz - L   |  |
| 1+2  | Vertical   | Fundamental  |
| Peak |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_8E_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>           Condition : AVG_8E_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |  <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |

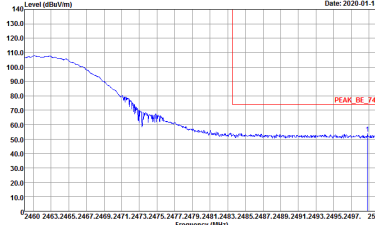
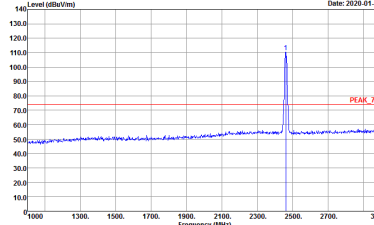
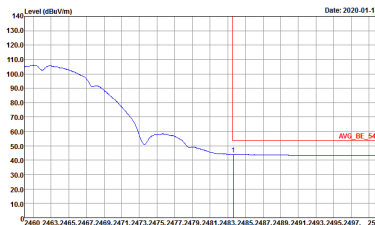
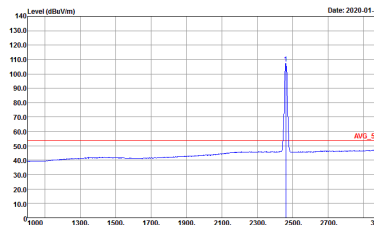


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11b CH06 2437MHz - R   |                   |
| 1+2                | Vertical   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   | <p>Left blank</p> |



| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|--------------------|--|--|
| ANT                | 802.11b CH11 2462MHz   |  |
| 1+2                | Horizontal   | Fundamental  |
| <p><b>Peak</b></p> |  <p>Date: 2020-01-14</p> <p>Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Date: 2020-01-14</p> <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| <p><b>Avg.</b></p> |  <p>Date: 2020-01-14</p> <p>Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |  <p>Date: 2020-01-14</p> <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |

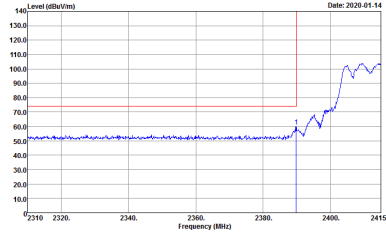
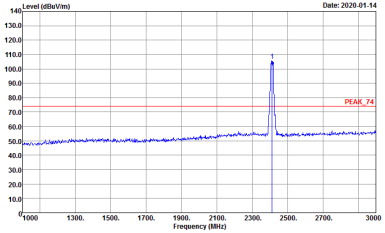
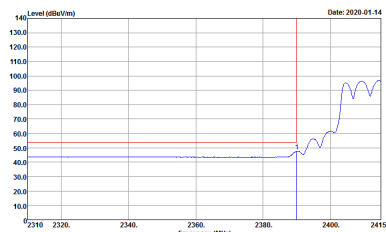
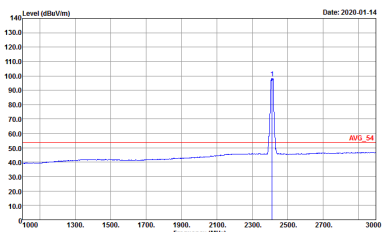


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|--------------------|--|--|
| ANT                | 802.11b CH11 2462MHz   |  |
| 1+2                | Vertical   | Fundamental  |
| <p><b>Peak</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |  <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |





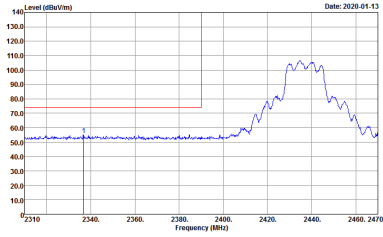
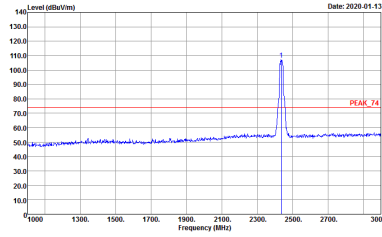
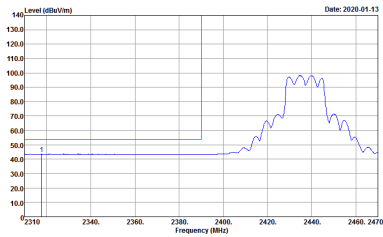
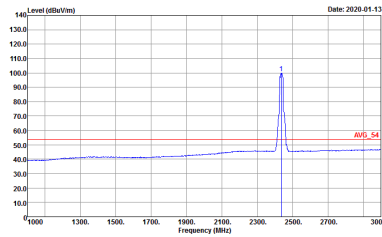
2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11g CH01 2412MHz  |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 90D635<br/>Setting : 19.5</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 90D635<br/>Setting : 19.5</p>  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 90D635<br/>Setting : 19.5</p> |  <p>Site : 03CH15-HY<br/>Condition : AVG_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 90D635<br/>Setting : 19.5</p> |

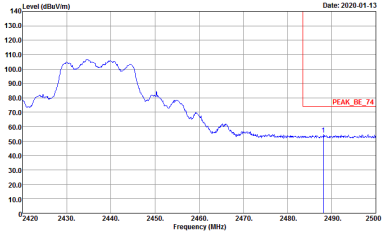
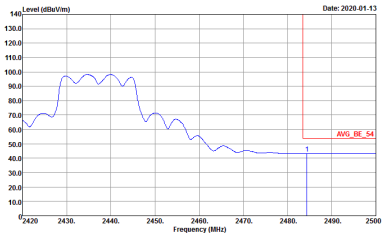


| WIFI        | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |   |
|-------------|--|---|
| ANT         | 802.11g CH01 2412MHz   |   |
| 1+2         | Vertical   | Fundamental   |
| <b>Peak</b> | <p>Site : 03CH15-HY<br/>           Condition : PEAK_8E_74 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 19.5</p> | <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 19.5</p> |
| <b>Avg.</b> | <p>Site : 03CH15-HY<br/>           Condition : AVG_8E_54 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 19.5</p>  | <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 19.5</p>  |

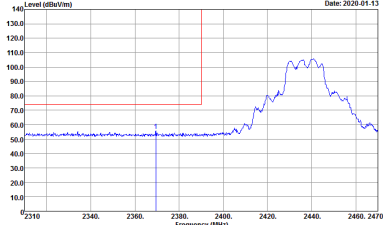
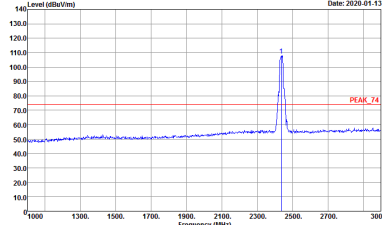
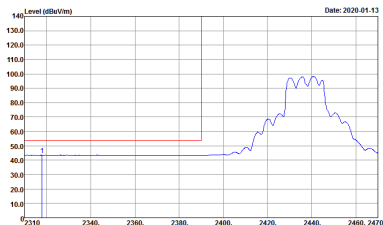
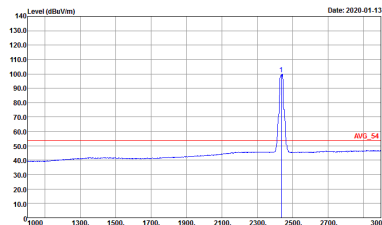


|      |  |  |
|------|--|--|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
| ANT  | 802.11g CH06 2437MHz - L   |  |
| 1+2  | Horizontal   | Fundamental  |
| Peak |  <p>Site : 03CH15-HY<br/>         Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>         RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>         Detector : Peak<br/>         Project : 9D0635</p> |  <p>Site : 03CH15-HY<br/>         Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL<br/>         RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>         Detector : Peak<br/>         Project : 9D0635</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>         Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>         RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>         Detector : Peak<br/>         Project : 9D0635</p>   |  <p>Site : 03CH15-HY<br/>         Condition : AVG_54 3m 91200_15_1620 HORIZONTAL<br/>         RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>         Detector : Peak<br/>         Project : 9D0635</p>   |

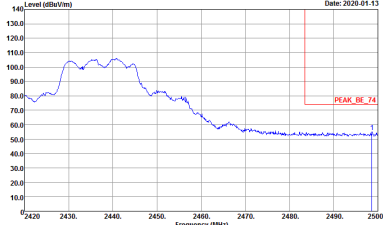
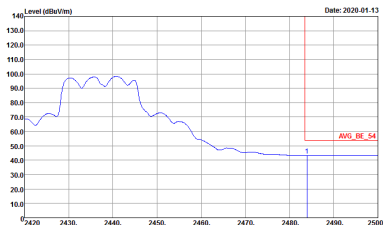


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11g CH06 2437MHz - R   |                   |
| 1+2                | Horizontal   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   | <p>Left blank</p> |

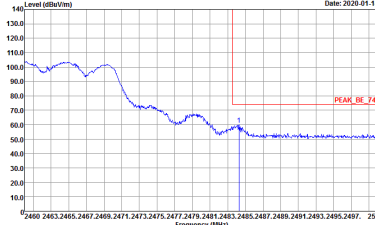
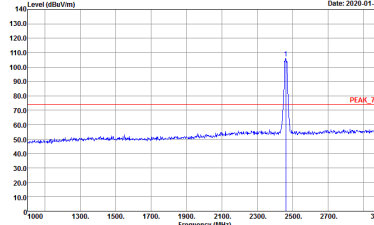
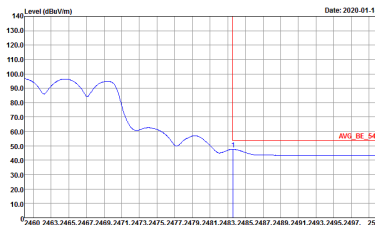
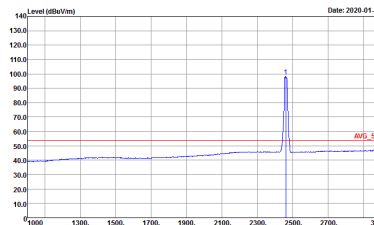


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |  |
|------|--|--|
| ANT  | 802.11g CH06 2437MHz - L   |  |
| 1+2  | Vertical   | Fundamental  |
| Peak |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_8E_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>           Condition : AVG_8E_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |  <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   |

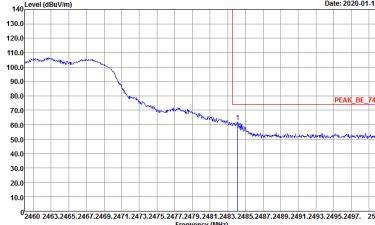
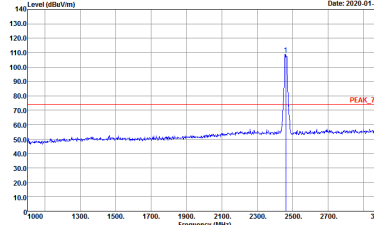
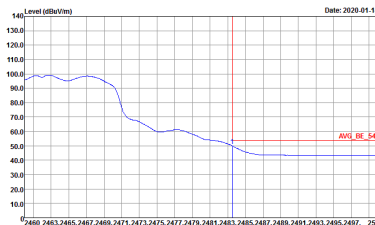
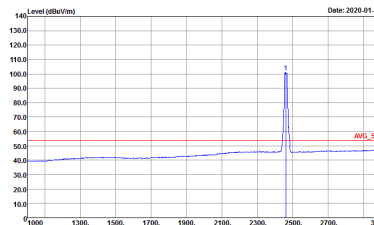


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |                   |
|--------------------|--|-------------------|
| ANT                | 802.11g CH06 2437MHz - R   |                   |
| 1+2                | Vertical   | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p> | <p>Left Blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000kHz VBW:0.010kHz SWF:Auto<br/>           Detector : Peak<br/>           Project : 9D0635</p>   | <p>Left Blank</p> |



| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11g CH11 2462MHz  |   |
| 1+2                | Horizontal  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p>  |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p>  |
| <p><b>Avg.</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p> |

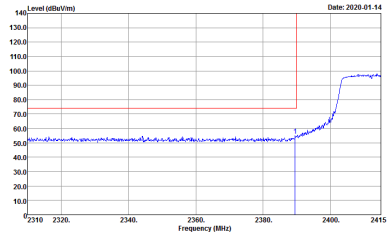
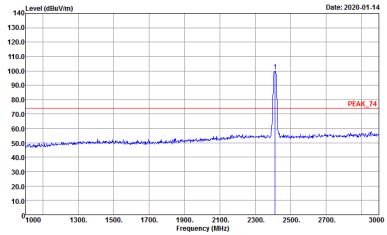
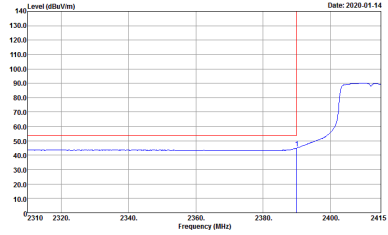
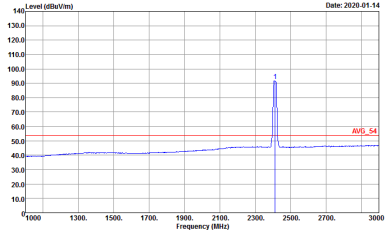


| WIFI               | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|--------------------|---|---|
| ANT                | 802.11g CH11 2462MHz  |   |
| 1+2                | Vertical  | Fundamental   |
| <p><b>Peak</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p>  |  <p>Site : 03CH15-HY<br/>           Condition : PEAK_74 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p>  |
| <p><b>Avg.</b></p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p> |  <p>Site : 03CH15-HY<br/>           Condition : AVG_54 3m 91200_15_1620 VERTICAL<br/>           Detector : Peak<br/>           Project : 900635<br/>           Setting : 20</p> |





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

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
|------|---|---|
| ANT  | 802.11n HT20 CH01 2412MHz   |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Setting : 19</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Setting : 19</p>  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Setting : 19</p> |  <p>Site : 03CH15-HY<br/>Condition : AVG_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 900635<br/>Setting : 19</p> |