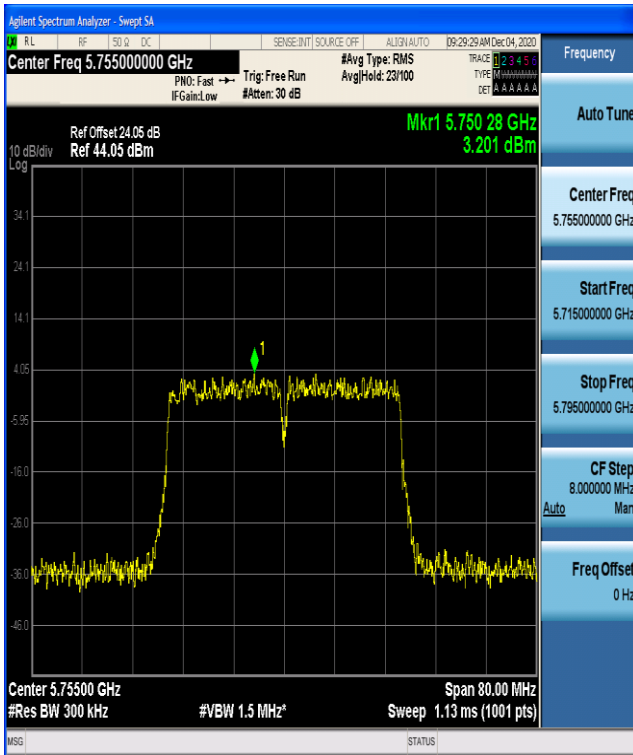
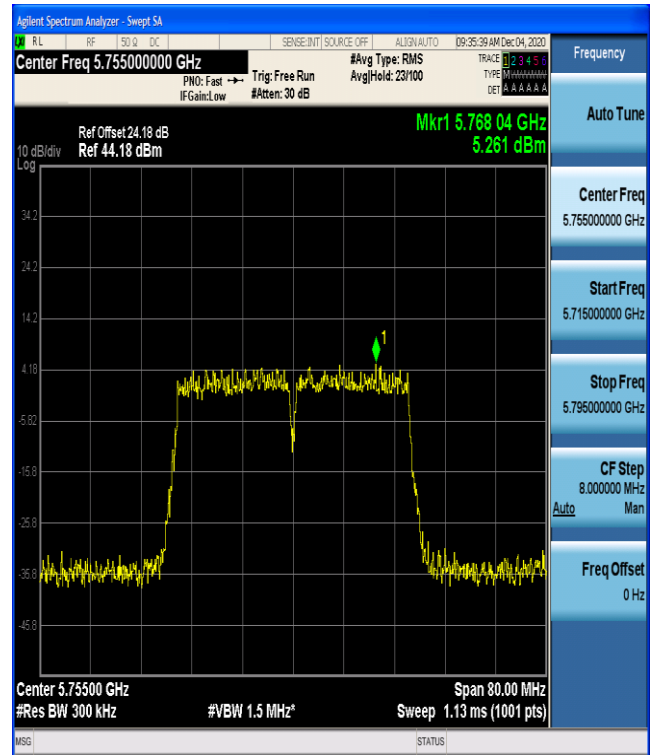


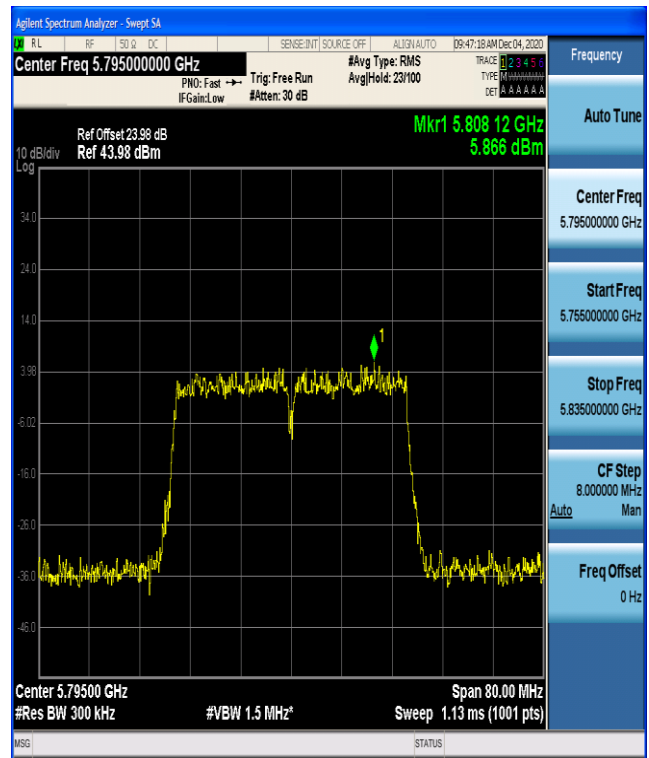
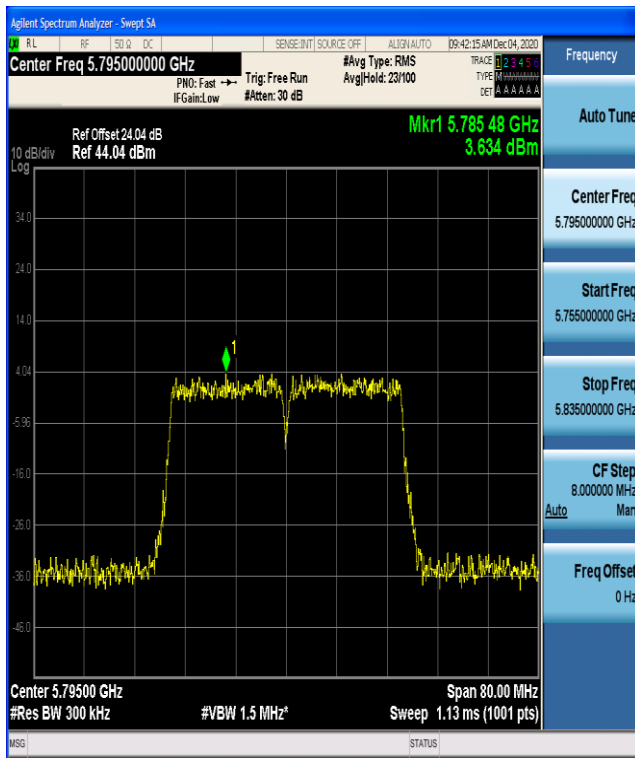
802.11n(HT40)

ANT0



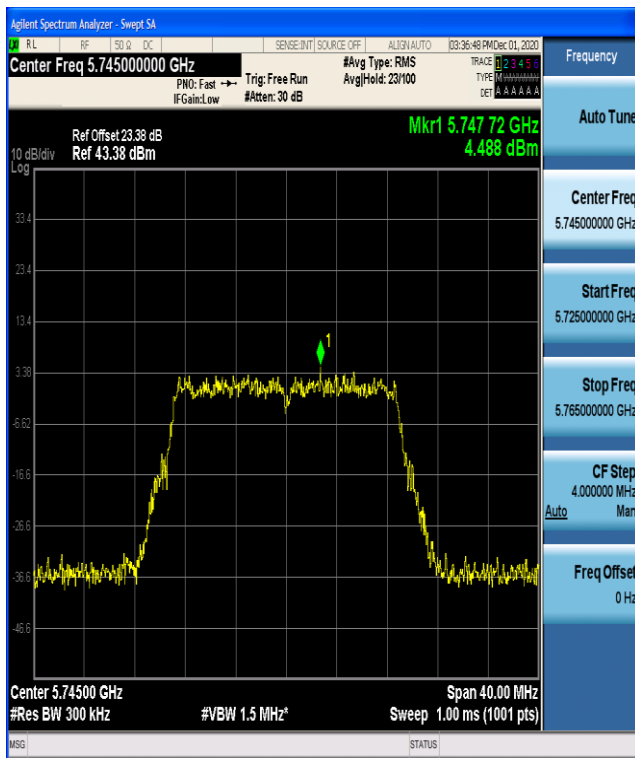
ANT1



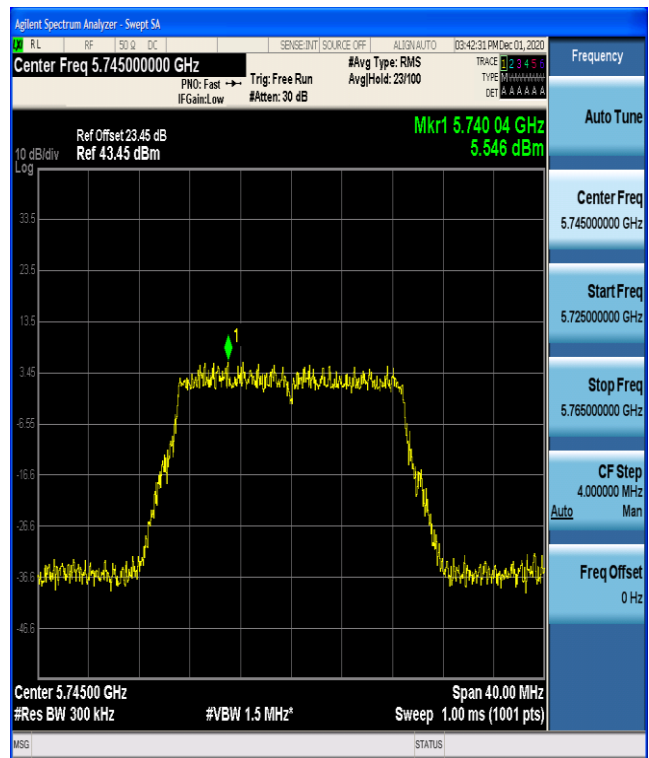


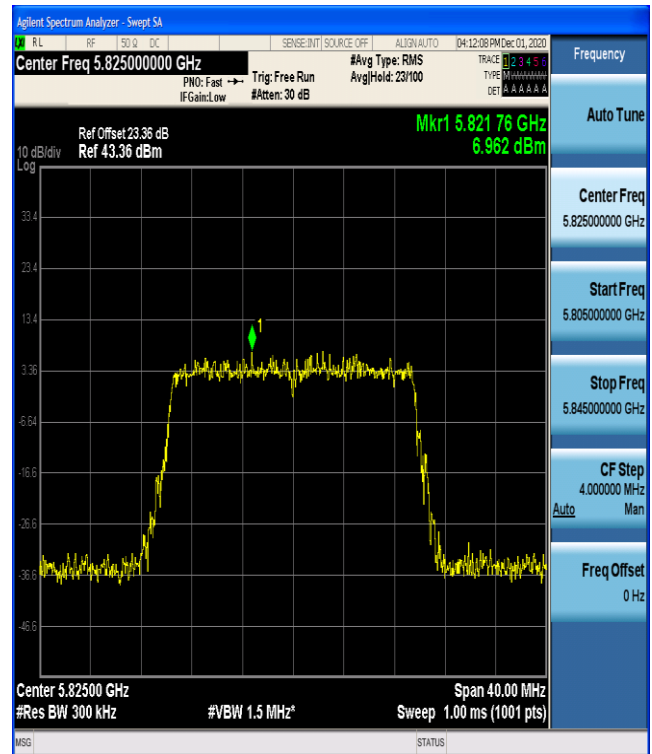
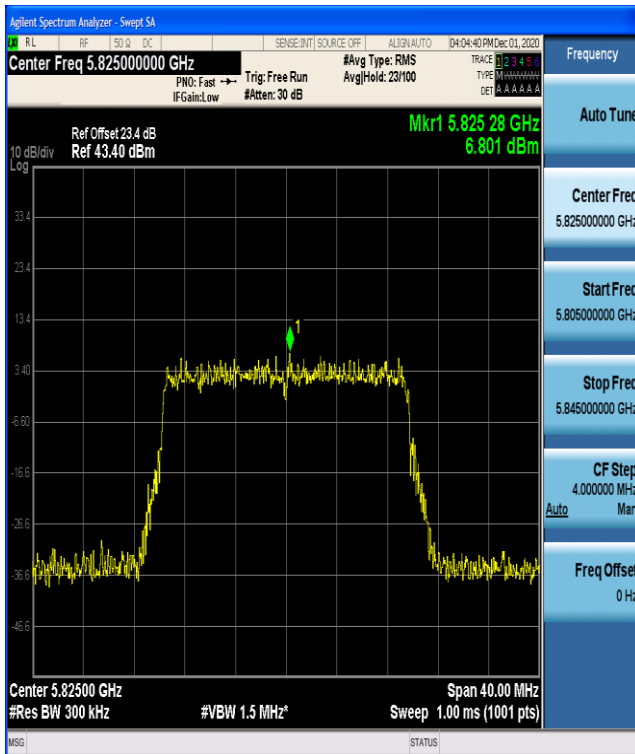
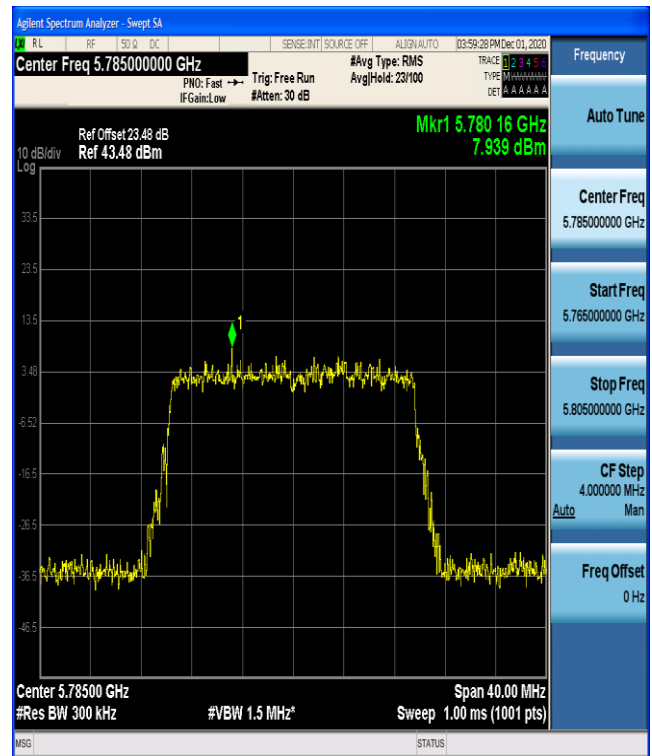
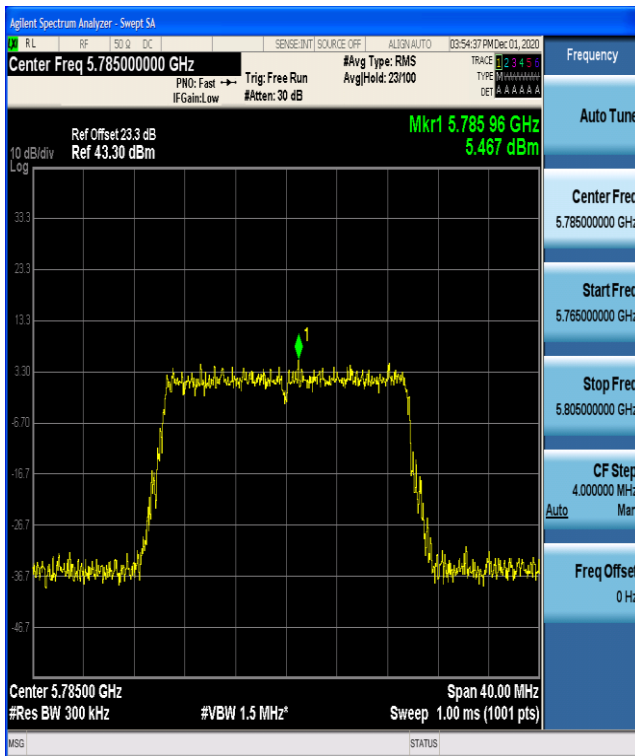
802.11ax(HT20)

ANT0



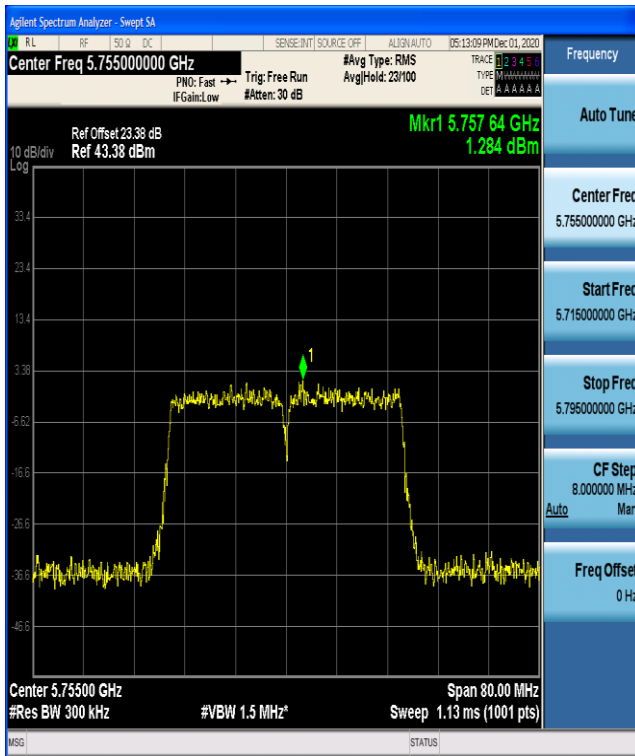
ANT1



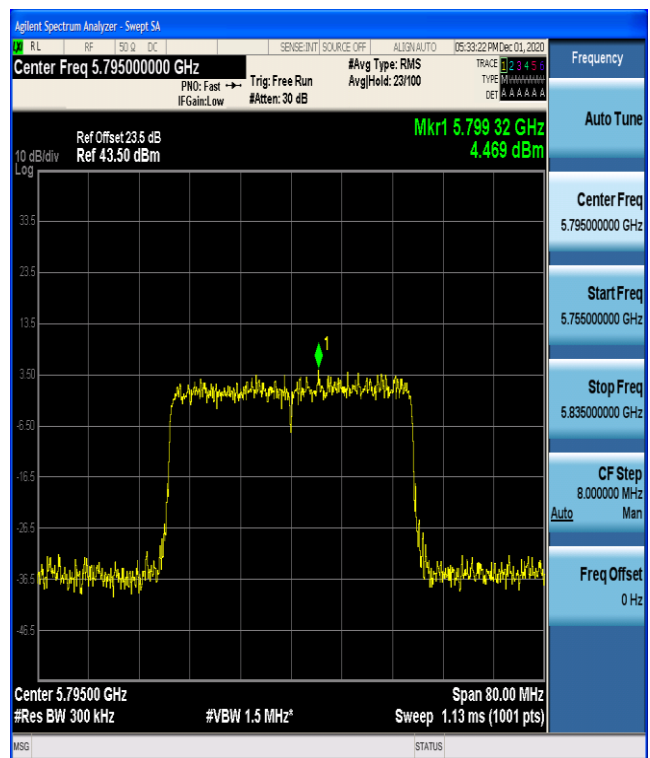
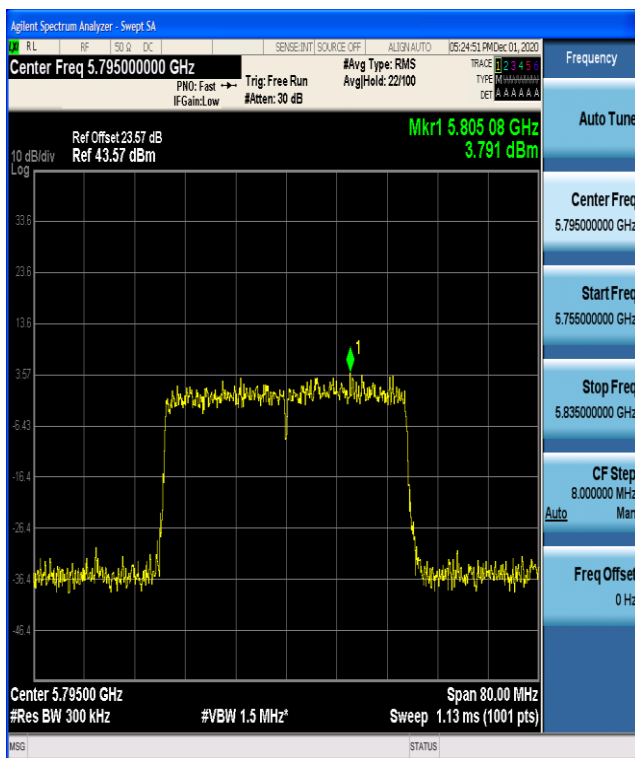
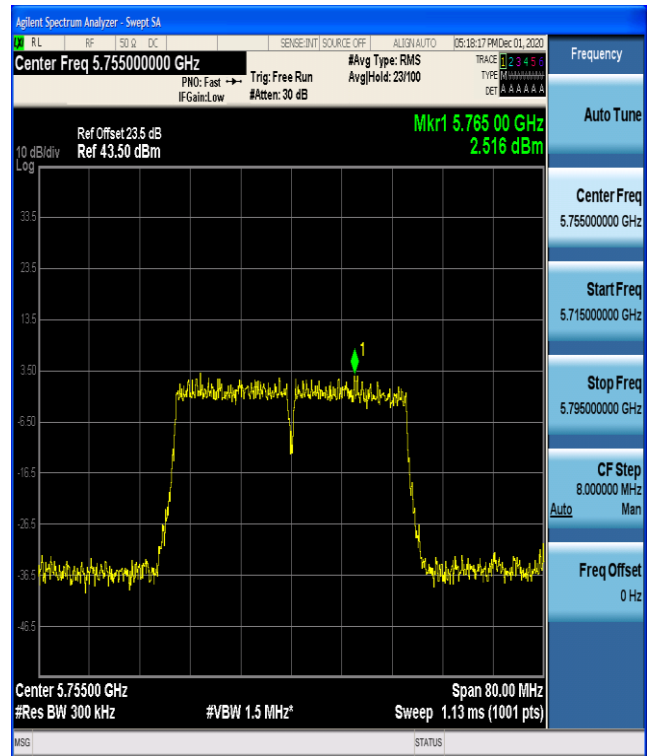


802.11ax(HT40)

ANT0

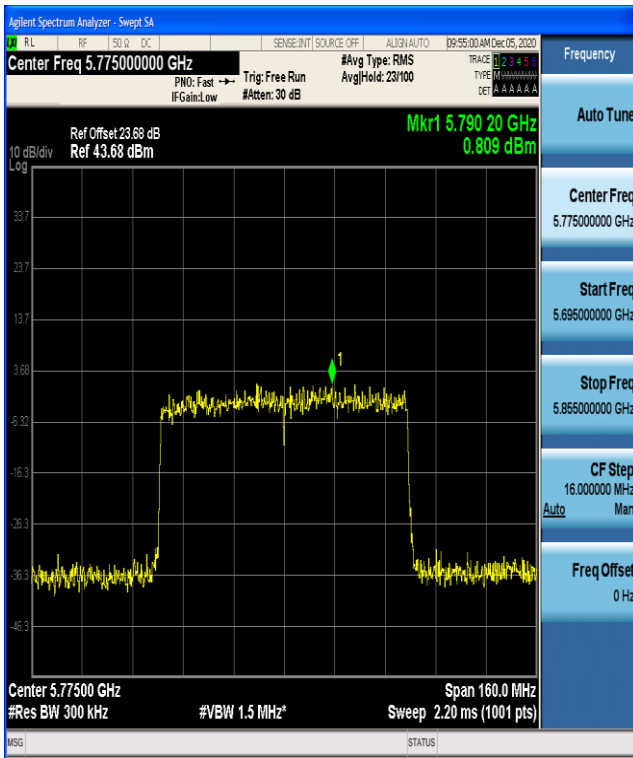


ANT1

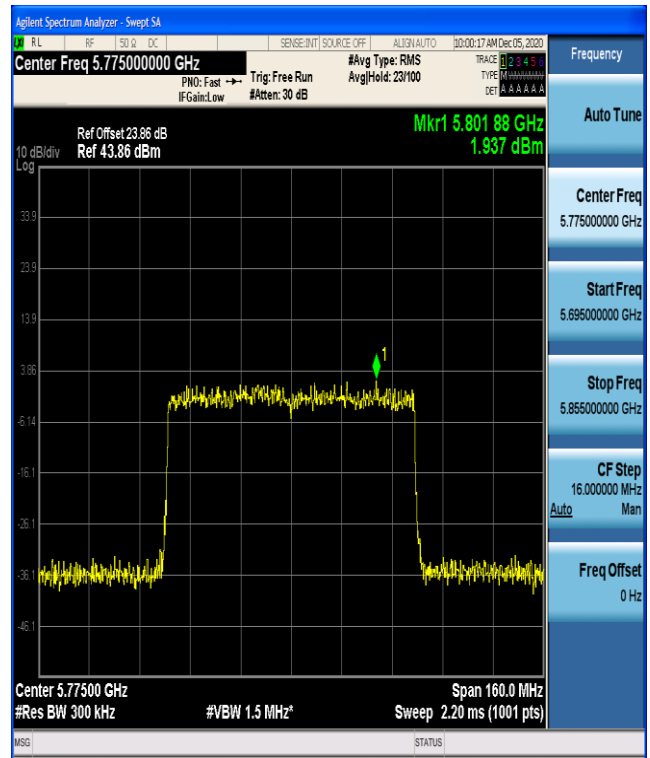


802.11ax(HT80)

ANT0

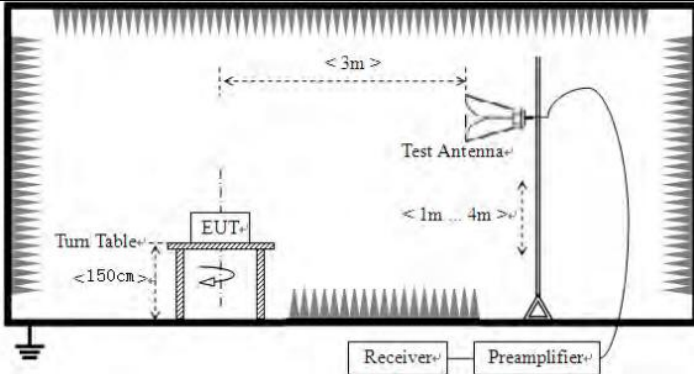


ANT1



7.6 Band edge

7.6.1 Radiated Emission Method

| | | | | | |
|-----------------------|---|----------|------|------|-------|
| Test Requirement: | FCC Part15 C Section 15.209 and 15.205 | | | | |
| Test Method: | ANSI C63.10: 2013 | | | | |
| Test Frequency Range: | 9kHz to 40GHz, only worse case is reported | | | | |
| Test site: | Measurement Distance: 3m | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Value |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| | | RMS | 1MHz | 3MHz | RMS |
| Limit: | All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. | | | | |
| Test setup: |  | | | | |
| Test Procedure: | <ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report. | | | | |

| | |
|-------------------|----------------------------------|
| Test Instruments: | Refer to section 6.0 for details |
| Test mode: | Refer to section 5.2 for details |
| Test results: | Pass |

Remarks:

1. Only the worst case Main Antenna test data..
2. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.
5. According to KDB 789033 D02v02r01 section G) 1) d),for measurements above 1000 MHz @3m distance, the limit of field strength is computed as follows:
 $E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$
 $E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$
 $E[\text{dBuV/m}] = 10 + 95.2 = 105.2\text{dBuV/m}.$
 $E[\text{dBuV/m}] = 15.6 + 95.2 = 110.8\text{dBuV/m}.$
 $E[\text{dBuV/m}] = 27 + 95.2 = 122.2\text{dBuV/m}$

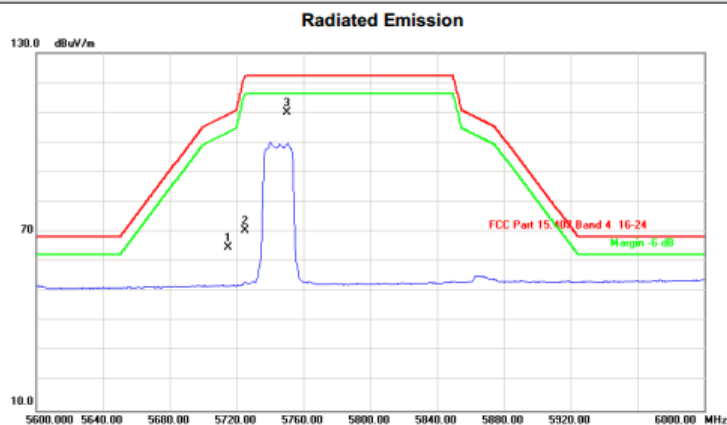
Measurement Data:

All the antennas were tested, and only show the worst case (ANT0) in this report.

| | |
|---------|------|
| 802.11a | 5745 |
|---------|------|

Site site #1
 Limit: FCC Part 15.407 Band 4 16-24
 EUT: W6 WIFI6
 MN:
 Mode: 11a20 5745
 Note: 74

Polarization: *Horizontal*
 Power:
 Temperature: 26
 Humidity: 60 %

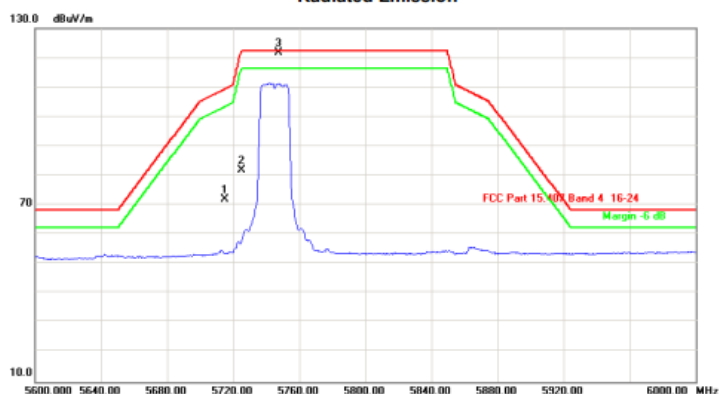


| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over | | |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
| | | MHz | dBuV | Factor | ment | dBuV/m | dB | Detector | Comment |
| 1 | | 5715.000 | 63.18 | 1.66 | 64.84 | 109.40 | -44.56 | peak | |
| 2 | | 5725.000 | 68.72 | 1.69 | 70.41 | 122.20 | -51.79 | peak | |
| 3 * | | 5750.050 | 108.24 | 1.76 | 110.00 | 122.20 | -12.20 | peak | |

Site site #1
 Limit: FCC Part 15.407 Band 4 16-24
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5745
 Note: 74

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 5715.000 | 70.20 | 1.66 | 71.86 | 109.40 | -37.54 | peak | |
| 2 | | 5725.000 | 80.11 | 1.69 | 81.80 | 122.20 | -40.40 | peak | |
| 3 * | | 5747.650 | 120.08 | 1.76 | 121.84 | 122.20 | -0.36 | peak | |

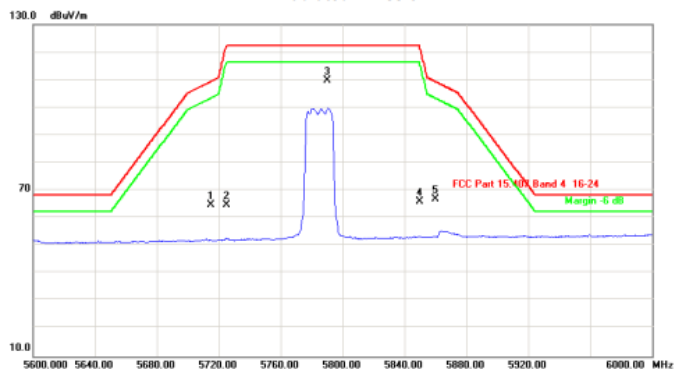
802.11a

5200

Site site #1
 Limit: FCC Part 15.407 Band 4 16-24
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5785
 Note: 74

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

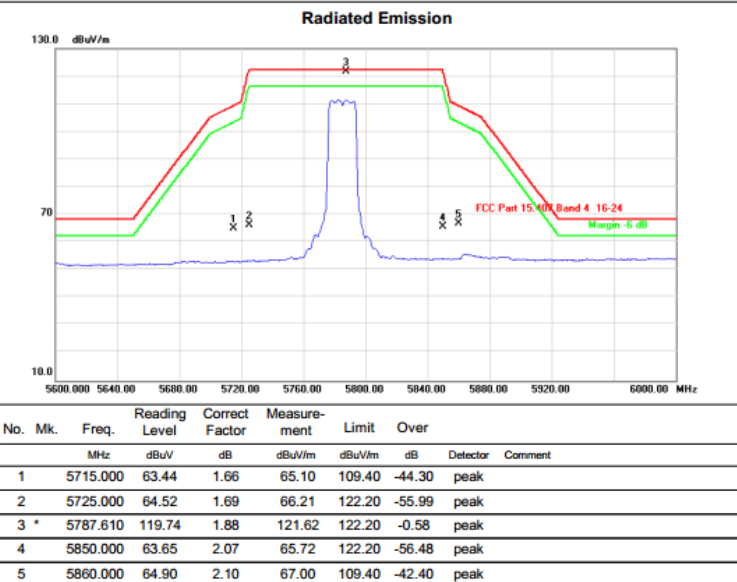
Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 5715.000 | 63.04 | 1.66 | 64.70 | 109.40 | -44.70 | peak | |
| 2 | | 5725.000 | 63.08 | 1.69 | 64.77 | 122.20 | -57.43 | peak | |
| 3 * | | 5790.010 | 107.93 | 1.88 | 109.81 | 122.20 | -12.39 | peak | |
| 4 | | 5850.000 | 63.76 | 2.07 | 65.83 | 122.20 | -56.37 | peak | |
| 5 | | 5860.000 | 64.79 | 2.10 | 66.89 | 109.40 | -42.51 | peak | |

Site site #1
 Limit: FCC Part 15.407 Band 4 16-24
 EUT: W6 WiFi6
 M/N:
 Mode: 11a20 5785
 Note: 74

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %



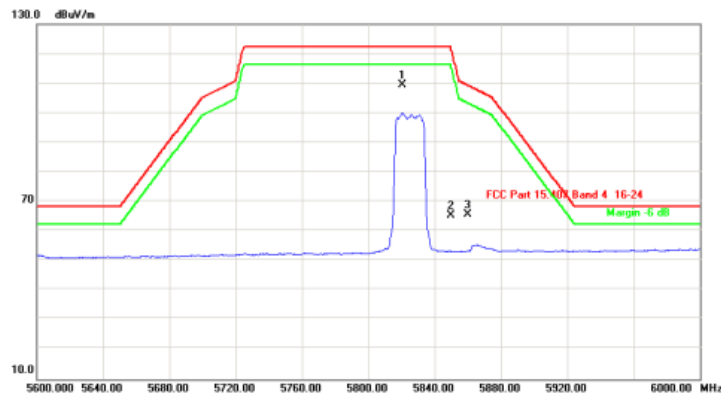
802.11a

5825

Site site #1
Limit: FCC Part 15.407 Band 4 16-24
EUT: W6 WIFI6
M/N:
Mode: 11a20 5825
Note: 74

Polarization: **Horizontal**
Power:
Temperature: 26
Humidity: 60 %

Radiated Emission

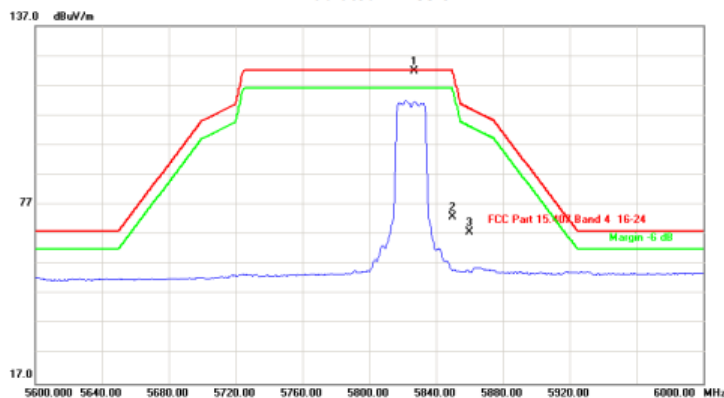


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 5820.780 | 107.48 | 1.98 | 109.46 | 122.20 | -12.74 | peak | |
| 2 | | 5850.000 | 63.34 | 2.07 | 65.41 | 122.20 | -56.79 | peak | |
| 3 | | 5860.000 | 63.43 | 2.10 | 65.53 | 109.40 | -43.87 | peak | |

Site site #1
Limit: FCC Part 15.407 Band 4 16-24
EUT: W6 WIFI6
M/N:
Mode: 11a20 5825
Note: 74

Polarization: **Vertical**
Power:
Temperature: 26
Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 5827.170 | 119.77 | 2.00 | 121.77 | 122.20 | -0.43 | peak | |
| 2 | | 5850.000 | 70.83 | 2.07 | 72.90 | 122.20 | -49.30 | peak | |
| 3 | | 5860.000 | 65.81 | 2.10 | 67.91 | 109.40 | -41.49 | peak | |

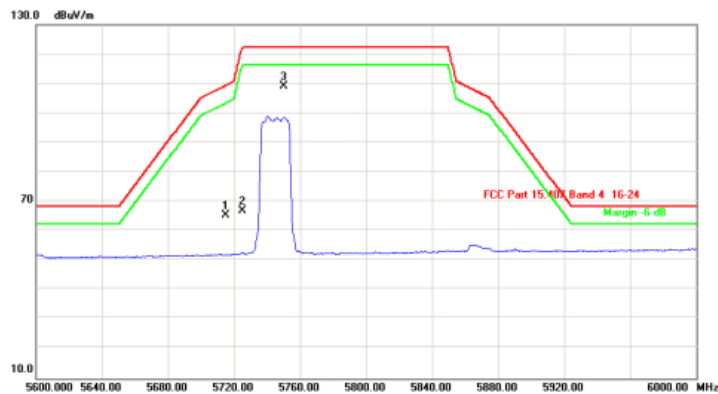
All mode (MIMO mode & SISO mode) were tested, and only show the worst case (MIMO mode) in this report.

| | |
|--------------|------|
| 802.11axHT20 | 5745 |
|--------------|------|

Site site #1
 Limit: FCC Part 15.407 Band 4 16-24
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5745
 Note: 70

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission

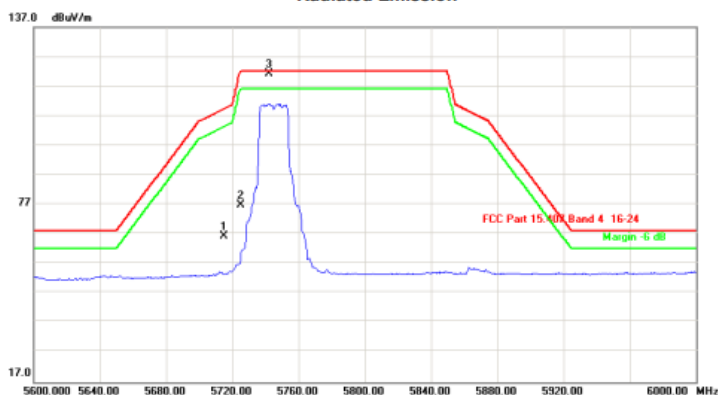


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5715.000 | 63.59 | 1.66 | 65.25 | 109.40 | -44.15 | peak | |
| 2 | | 5725.000 | 65.24 | 1.69 | 66.93 | 122.20 | -55.27 | peak | |
| 3 * | | 5750.050 | 107.49 | 1.76 | 109.25 | 122.20 | -12.95 | peak | |

Site site #1
 Limit: FCC Part 15.407 Band 4 16-24
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5745
 Note: 70

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5715.000 | 64.71 | 1.66 | 66.37 | 109.40 | -43.03 | peak | |
| 2 | | 5725.000 | 75.17 | 1.69 | 76.86 | 122.20 | -45.34 | peak | |
| 3 * | | 5742.060 | 119.52 | 1.74 | 121.26 | 122.20 | -0.94 | peak | |

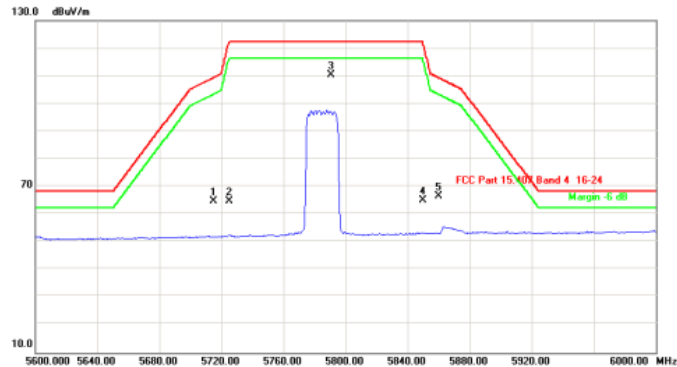
802.11axHT20

5785

Site site #1
Limit: FCC Part 15.407 Band 4 16-24
EUT: W6 WIFI6
M/N:
Mode: 11ax HT20 5785
Note: 70

Polarization: **Horizontal**
Power:
Temperature: 26
Humidity: 60 %

Radiated Emission

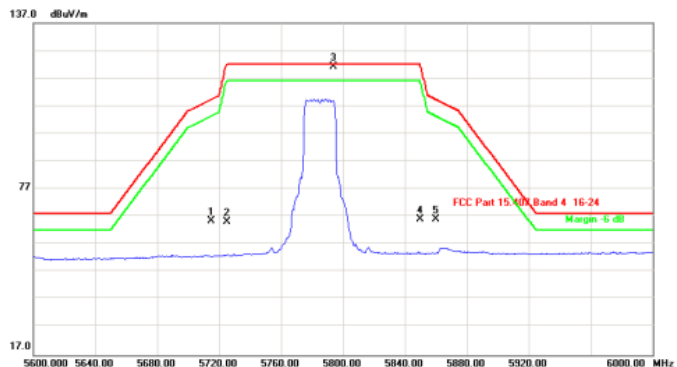


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 5715.000 | 62.99 | 1.66 | 64.65 | 109.40 | -44.75 | peak | |
| 2 | | 5725.000 | 63.04 | 1.69 | 64.73 | 122.20 | -57.47 | peak | |
| 3 * | | 5790.410 | 108.60 | 1.88 | 110.48 | 122.20 | -11.72 | peak | |
| 4 | | 5850.000 | 63.12 | 2.07 | 65.19 | 122.20 | -57.01 | peak | |
| 5 | | 5860.000 | 64.30 | 2.10 | 66.40 | 109.40 | -43.00 | peak | |

Site site #1
Limit: FCC Part 15.407 Band 4 16-24
EUT: W6 WIFI6
M/N:
Mode: 11ax HT20 5785
Note: 70

Polarization: **Vertical**
Power:
Temperature: 26
Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 5715.000 | 63.92 | 1.66 | 65.58 | 109.40 | -43.82 | peak | |
| 2 | | 5725.000 | 63.57 | 1.69 | 65.26 | 122.20 | -56.94 | peak | |
| 3 * | | 5794.010 | 119.47 | 1.90 | 121.37 | 122.20 | -0.83 | peak | |
| 4 | | 5850.000 | 63.96 | 2.07 | 66.03 | 122.20 | -56.17 | peak | |
| 5 | | 5860.000 | 64.01 | 2.10 | 66.11 | 109.40 | -43.29 | peak | |

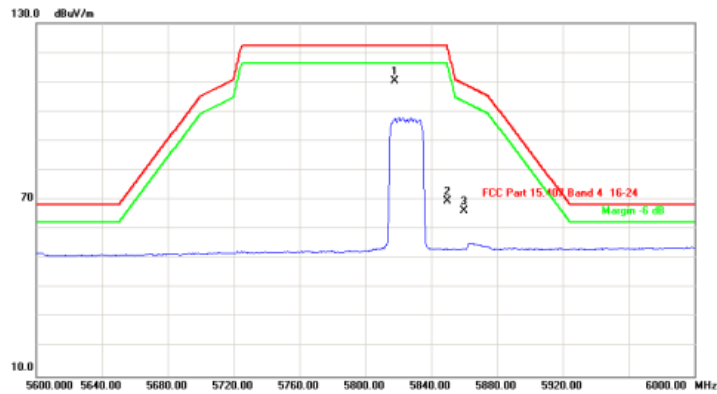
802.11axHT20

5825

Site site #1
Limit: FCC Part 15.407 Band 4 16-24
EUT: W6 WIFI6
M/N:
Mode: 11ax HT20 5825
Note: 70

Polarization: **Horizontal**
Power:
Temperature: 26
Humidity: 60 %

Radiated Emission

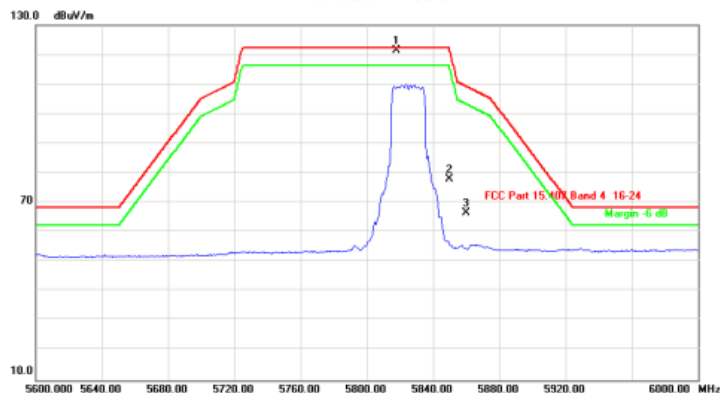


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 5817.980 | 108.37 | 1.97 | 110.34 | 122.20 | -11.86 | peak | |
| 2 | | 5850.000 | 67.56 | 2.07 | 69.63 | 122.20 | -52.57 | peak | |
| 3 | | 5860.000 | 64.24 | 2.10 | 66.34 | 109.40 | -43.06 | peak | |

Site site #1
Limit: FCC Part 15.407 Band 4 16-24
EUT: W6 WIFI6
M/N:
Mode: 11ax HT20 5825
Note: 70

Polarization: **Vertical**
Power:
Temperature: 26
Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 5817.980 | 119.34 | 1.97 | 121.31 | 122.20 | -0.89 | peak | |
| 2 | | 5850.000 | 75.81 | 2.07 | 77.88 | 122.20 | -44.32 | peak | |
| 3 | | 5860.000 | 64.56 | 2.10 | 66.66 | 109.40 | -42.74 | peak | |

802.11axHT40

5755

Site site #1

Limit: FCC Part 15.407 Band 4 16-24

Polarization: **Horizontal**

Temperature: 26

EUT: W6 WIFI6

Power:

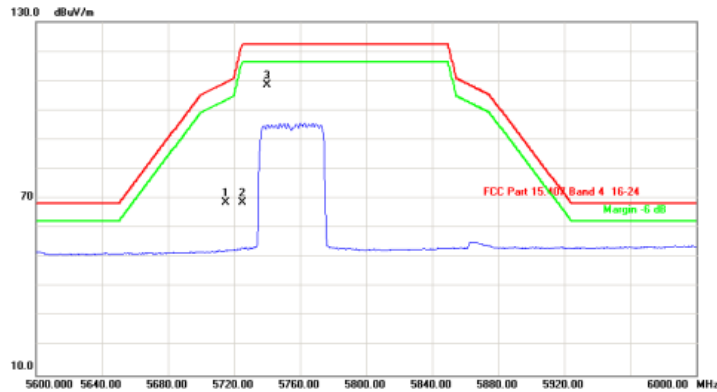
Humidity: 60 %

M/N:

Mode: 11ax HT40 5755

Note: 72

Radiated Emission



Site site #1

Limit: FCC Part 15.407 Band 4 16-24

Polarization: **Vertical**

Temperature: 26

EUT: W6 WIFI6

Power:

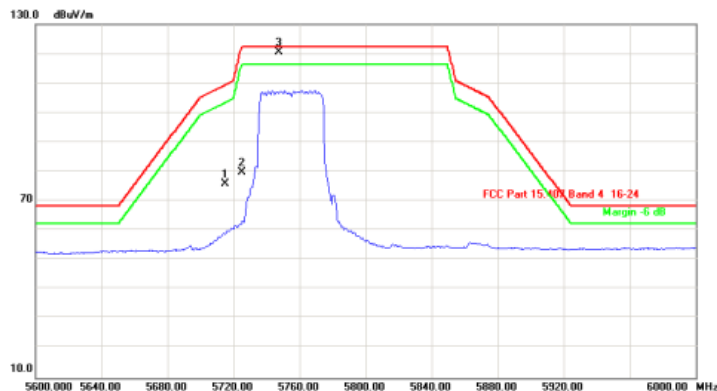
Humidity: 60 %

M/N:

Mode: 11ax HT40 5755

Note: 72

Radiated Emission



802.11ax HT40

5795

Site site #1

Limit: FCC Part 15.407 Band 4 16-24

EUT: W6 WIFI6

M/N:

Mode: 11ax HT40 5795

Note: 72

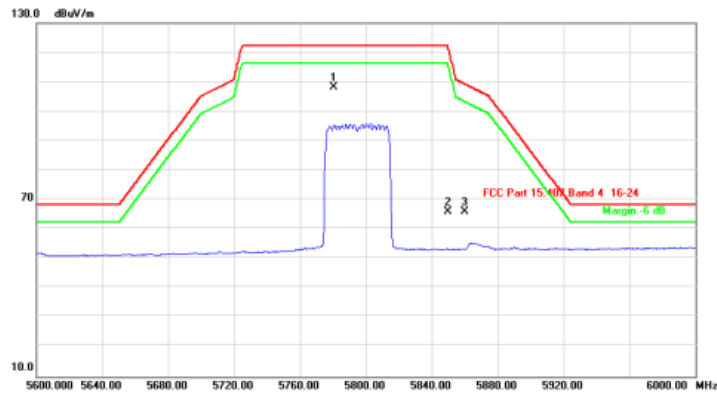
Polarization: **Horizontal**

Power:

Temperature: 26

Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 5780.420 | 106.47 | 1.85 | 108.32 | 122.20 | -13.88 | peak | |
| 2 | | 5850.000 | 63.76 | 2.07 | 65.83 | 122.20 | -56.37 | peak | |
| 3 | | 5860.000 | 63.83 | 2.10 | 65.93 | 109.40 | -43.47 | peak | |

Site site #1

Limit: FCC Part 15.407 Band 4 16-24

EUT: W6 WIFI6

M/N:

Mode: 11ax HT40 5795

Note: 72

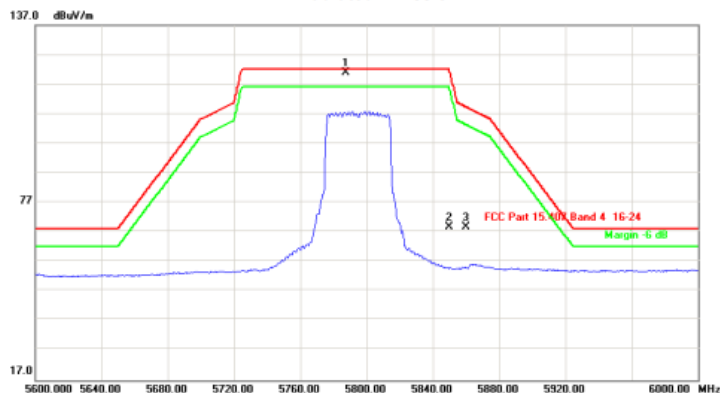
Polarization: **Vertical**

Power:

Temperature: 26

Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 5787.210 | 118.94 | 1.88 | 120.82 | 122.20 | -1.38 | peak | |
| 2 | | 5850.000 | 66.64 | 2.07 | 68.71 | 122.20 | -53.49 | peak | |
| 3 | | 5860.000 | 66.57 | 2.10 | 68.67 | 109.40 | -40.73 | peak | |

802.11ax HT80

5775

Site site #1

Limit: FCC Part 15.407 Band 4 16-24

EUT: W6 WIFI6

M/N:

Mode: 11ax HT80 5775

Note: 74

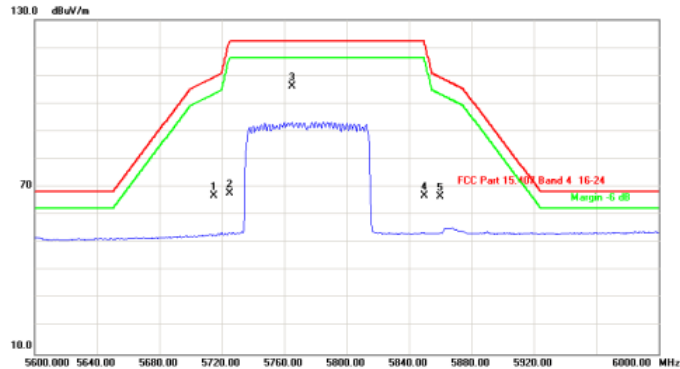
Polarization: **Horizontal**

Power:

Temperature: 26

Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5715.000 | 65.27 | 1.66 | 66.93 | 109.40 | -42.47 | peak | |
| 2 | | 5725.000 | 66.01 | 1.69 | 67.70 | 122.20 | -54.50 | peak | |
| 3 * | | 5765.230 | 104.31 | 1.81 | 106.12 | 122.20 | -16.08 | peak | |
| 4 | | 5850.000 | 64.75 | 2.07 | 66.82 | 122.20 | -55.38 | peak | |
| 5 | | 5860.000 | 64.53 | 2.10 | 66.63 | 109.40 | -42.77 | peak | |

Site site #1

Limit: FCC Part 15.407 Band 4 16-24

EUT: W6 WIFI6

M/N:

Mode: 11ax HT80 5775

Note: 74

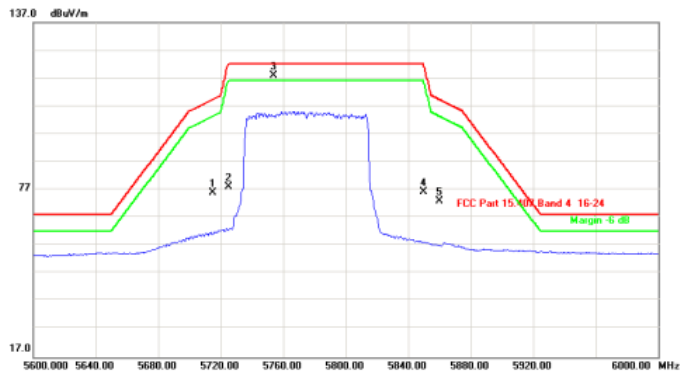
Polarization: **Vertical**

Power:

Temperature: 26

Humidity: 60 %

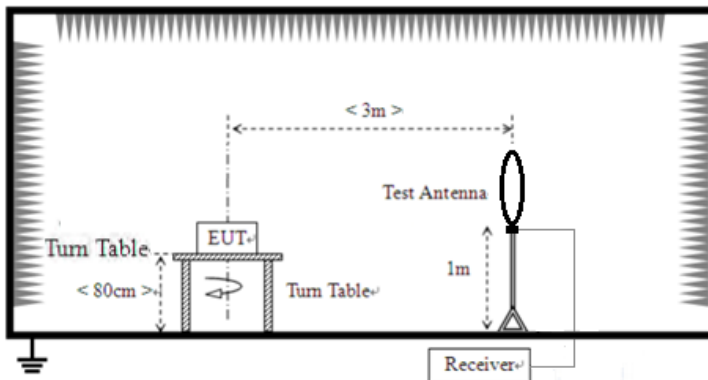
Radiated Emission

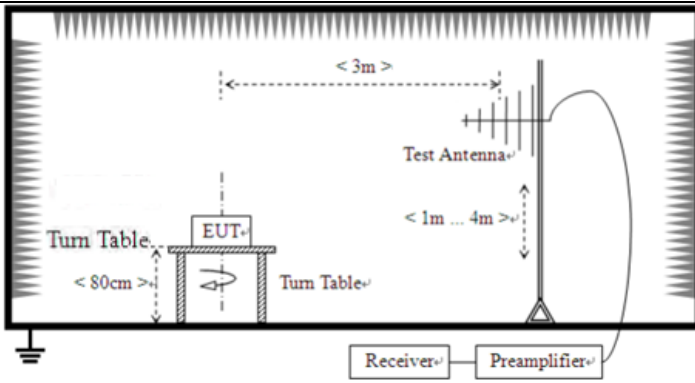
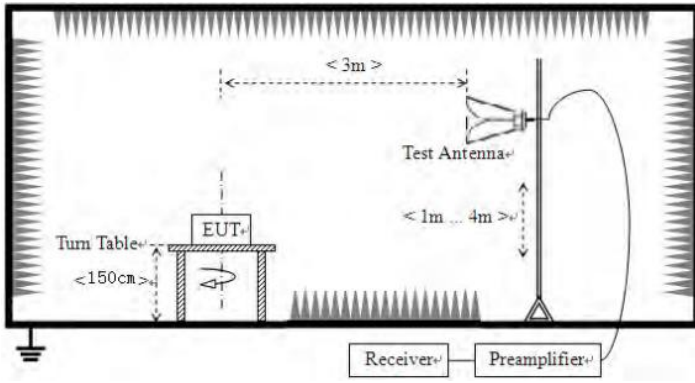


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5715.000 | 74.35 | 1.66 | 76.01 | 109.40 | -33.39 | peak | |
| 2 | | 5725.000 | 76.43 | 1.69 | 78.12 | 122.20 | -44.08 | peak | |
| 3 * | | 5753.650 | 116.08 | 1.77 | 117.85 | 122.20 | -4.35 | peak | |
| 4 | | 5850.000 | 74.32 | 2.07 | 76.39 | 122.20 | -45.81 | peak | |
| 5 | | 5860.000 | 70.93 | 2.10 | 73.03 | 109.40 | -36.37 | peak | |

7.7 Spurious Emission

7.7.1 Radiated Emission Method

| | | | | | |
|-----------------------|---|------------|-----------------|---------------|----------------------|
| Test Requirement: | FCC Part15 C Section 15.209, Part 15E Section 15.407(b)(4) | | | | |
| Test Method: | ANSI C63.10:2013 | | | | |
| Test Frequency Range: | 9kHz to 40GHz | | | | |
| Test site: | Measurement Distance: 3m | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Value |
| | 9kHz-150KHz | Quasi-peak | 200Hz | 1kHz | Quasi-peak Value |
| | 150kHz-30MHz | Quasi-peak | 9kHz | 30kHz | Quasi-peak Value |
| | 30MHz-1GHz | Quasi-peak | 120KHz | 300KHz | Quasi-peak Value |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak Value |
| AV | | 1MHz | 3MHz | Average Value | |
| Limit: | Frequency | | Limit (uV/m) | Value | Measurement Distance |
| | 0.009MHz-0.490MHz | | 2400/F(KHz) | QP | 300m |
| | 0.490MHz-1.705MHz | | 24000/F(KHz) | QP | 300m |
| | 1.705MHz-30MHz | | 30 | QP | 30m |
| | 30MHz-88MHz | | 100 | QP | 3m |
| | 88MHz-216MHz | | 150 | QP | |
| | 216MHz-960MHz | | 200 | QP | |
| | 960MHz-1GHz | | 500 | QP | |
| | | | | | |
| | Frequency | | Limit (dBm/MHz) | | Remark |
| Above 1GHz | | -27.0 | | Peak Value | |
| Test setup: | For radiated emissions from 9kHz to 30MHz | | | | |
| | <div></div> | | | | |
| | For radiated emissions from 30MHz to1GHz | | | | |

| | |
|------------------------|---|
| |  <p>For radiated emissions above 1GHz</p>  |
| <p>Test Procedure:</p> | <ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test |

| | | | | | | |
|-------------------|--|-------|---------|-----|---------|----------|
| | worst case mode is recorded in the report. | | | | | |
| Test Instruments: | Refer to section 6.0 for details | | | | | |
| Test mode: | Refer to section 5.2 for details | | | | | |
| Test environment: | Temp.: | 25 °C | Humid.: | 52% | Press.: | 1012mbar |
| Test voltage: | AC 120V, 60Hz | | | | | |
| Test results: | Pass | | | | | |

Remarks:

1. Only the worst case Main Antenna test data.
2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

Measurement Data:

9 kHz ~ 30 MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

All mode (MIMO mode & SISO mode) were tested, and only show the worst case (MIMO mode) in this report.

Ant 0° value:

| Frequency (MHz) | Read Level (dBuV) | Factor (dB/m) | Measurement (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----------------|-------------------|---------------|----------------------|----------------|-------------|----------|
| 0.0151 | 36.90 | 20.71 | 57.61 | 124.03 | -66.42 | AVG |
| 0.0281 | 33.40 | 19.88 | 53.28 | 118.63 | -65.35 | AVG |
| 0.0450 | 30.80 | 19.61 | 50.41 | 114.54 | -64.13 | AVG |
| 0.1914 | 27.20 | 17.18 | 44.38 | 101.97 | -57.59 | AVG |
| 2.2847 | 31.40 | 16.95 | 48.35 | 69.54 | -21.19 | QP |
| 4.0920 | 22.70 | 15.69 | 38.39 | 69.54 | -31.15 | QP |

Ant 90° value:

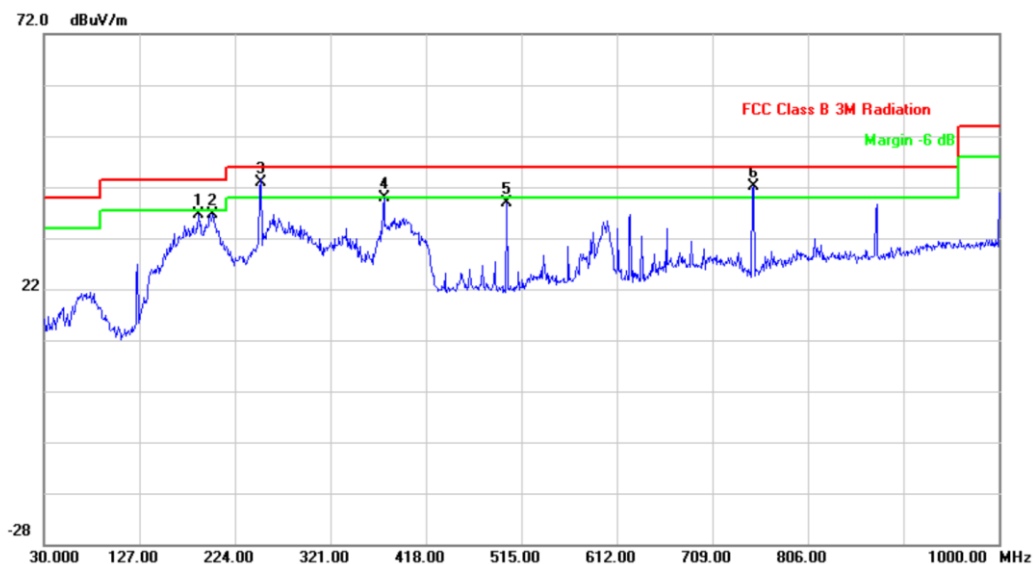
| Frequency (MHz) | Read Level (dBuV) | Factor (dB/m) | Measurement (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----------------|-------------------|---------------|----------------------|----------------|-------------|----------|
| 0.0150 | 33.60 | 20.72 | 54.32 | 124.08 | -69.76 | AVG |
| 0.0354 | 27.70 | 19.77 | 47.47 | 116.62 | -69.15 | AVG |
| 0.0554 | 27.20 | 19.42 | 46.62 | 112.73 | -66.11 | AVG |
| 0.2280 | 25.30 | 17.10 | 42.40 | 100.45 | -58.05 | AVG |
| 2.2486 | 26.90 | 16.97 | 43.87 | 69.54 | -25.67 | QP |
| 6.5227 | 22.60 | 14.91 | 37.51 | 69.54 | -32.03 | QP |

Below 1GHz

Pre-scan all test modes, found worst case at 802.11n(HT40), and so only show the test result of 802.11n(HT40)

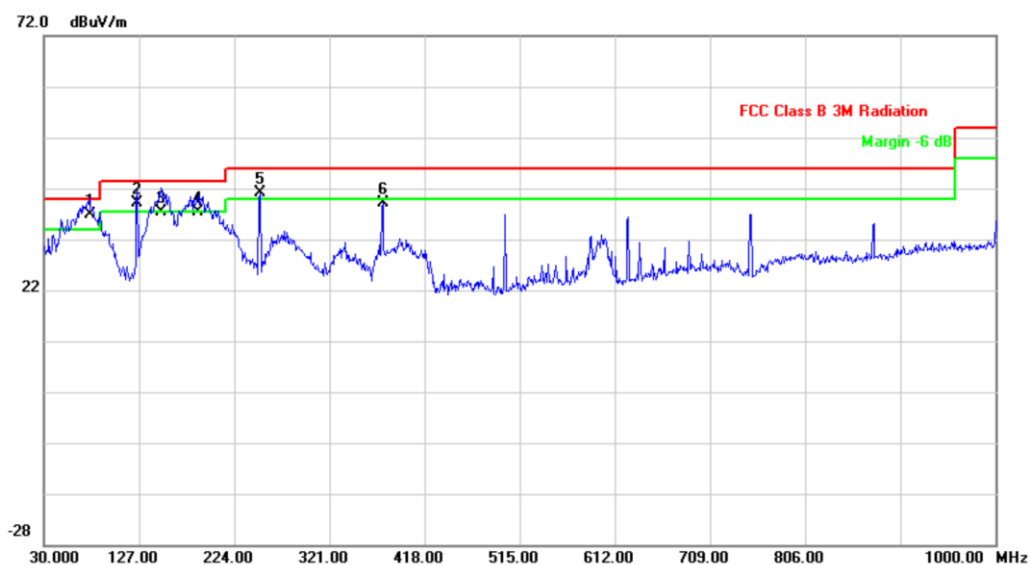
All mode (MIMO mode & SISO mode) were tested, and only show the worst case (MIMO mode) in this report.

Horizontal:



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|--------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree |
| 1 | | 187.1400 | 21.89 | 14.85 | 36.74 | 43.50 | -6.76 | QP | 200 | 54 |
| 2 | | 200.7200 | 21.08 | 15.67 | 36.75 | 43.50 | -6.75 | QP | 200 | 297 |
| 3 | * | 250.0100 | 26.34 | 16.45 | 42.79 | 46.00 | -3.21 | QP | 100 | 74 |
| 4 | | 375.3200 | 20.83 | 19.00 | 39.83 | 46.00 | -6.17 | QP | 100 | 227 |
| 5 | | 500.4500 | 17.44 | 21.46 | 38.90 | 46.00 | -7.10 | QP | 200 | 49 |
| 6 | ! | 750.7100 | 16.95 | 25.08 | 42.03 | 46.00 | -3.97 | QP | 100 | 43 |

Vertical:



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|--------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | cm | degree |
| 1 | * | 76.5600 | 22.19 | 14.73 | 36.92 | 40.00 | -3.08 | QP | 100 | 327 |
| 2 | ! | 125.0000 | 24.22 | 14.88 | 39.10 | 43.50 | -4.40 | QP | 100 | 78 |
| 3 | | 149.3100 | 22.33 | 15.09 | 37.42 | 43.50 | -6.08 | QP | 100 | 178 |
| 4 | | 187.5200 | 21.90 | 15.52 | 37.42 | 43.50 | -6.08 | QP | 100 | 180 |
| 5 | ! | 250.1900 | 24.77 | 16.45 | 41.22 | 46.00 | -4.78 | QP | 200 | 37 |
| 6 | | 375.3200 | 20.11 | 19.00 | 39.11 | 46.00 | -6.89 | QP | 100 | 135 |

Above 1GHz:

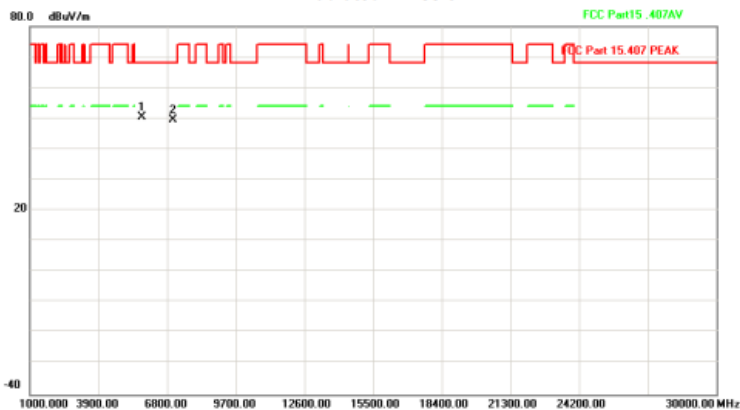
All the antennas were tested, and only show the worst case (ANT1) in this report.

| | |
|---------|------|
| 802.11a | 5745 |
|---------|------|

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5745
 Note: 74

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 5727.000 | 48.64 | 1.69 | 50.33 | 68.20 | -17.87 | peak | |
| 2 | | 7032.000 | 45.58 | 4.09 | 49.67 | 68.20 | -18.53 | peak | |

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5745
 Note: 74

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission

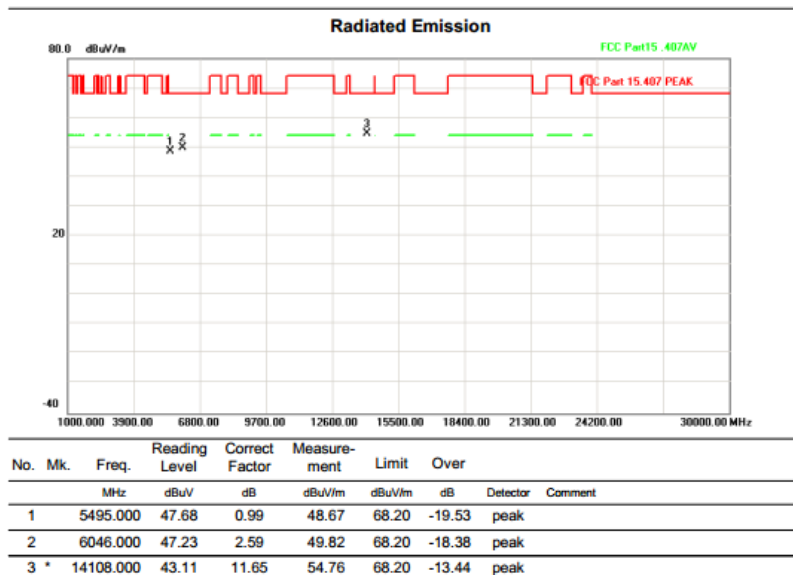


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 3987.000 | 51.82 | -6.89 | 44.93 | 74.00 | -29.07 | peak | |
| 2 | * | 5727.000 | 59.59 | 1.69 | 61.28 | 68.20 | -6.92 | peak | |
| 3 | | 7960.000 | 45.09 | 5.60 | 50.69 | 68.20 | -17.51 | peak | |

| | |
|---------|------|
| 802.11a | 5785 |
|---------|------|

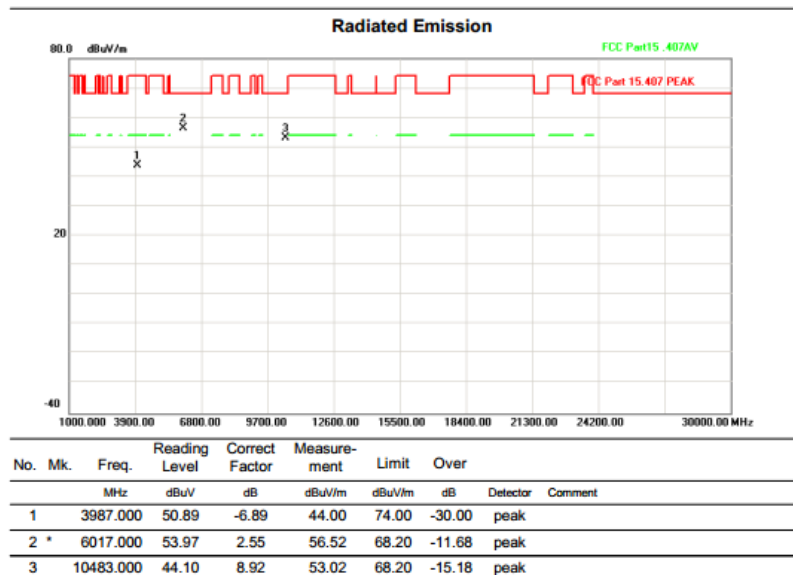
Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5785
 Note: 74

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %



Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5785
 Note: 74

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %



| | |
|---------|------|
| 802.11a | 5825 |
|---------|------|

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5825
 Note: 74

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission

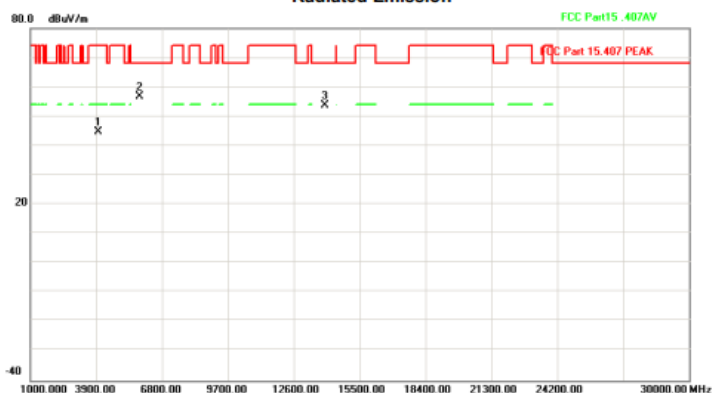


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5814.000 | 49.93 | 1.96 | 51.89 | 68.20 | -16.31 | peak | |
| 2 * | | 14137.000 | 41.99 | 11.56 | 53.55 | 68.20 | -14.65 | peak | |

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11a20 5825
 Note: 74

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 3987.000 | 51.68 | -6.89 | 44.79 | 74.00 | -29.21 | peak | |
| 2 * | | 5814.000 | 54.91 | 1.96 | 56.87 | 68.20 | -11.33 | peak | |
| 3 | | 13963.000 | 41.91 | 11.99 | 53.90 | 68.20 | -14.30 | peak | |

All mode (MIMO mode & SISO mode) were tested, and only show the worst case (MIMO mode) in this report.

| | |
|--------------|------|
| 802.11axHT20 | 5745 |
|--------------|------|

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5745
 Note: 70

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission

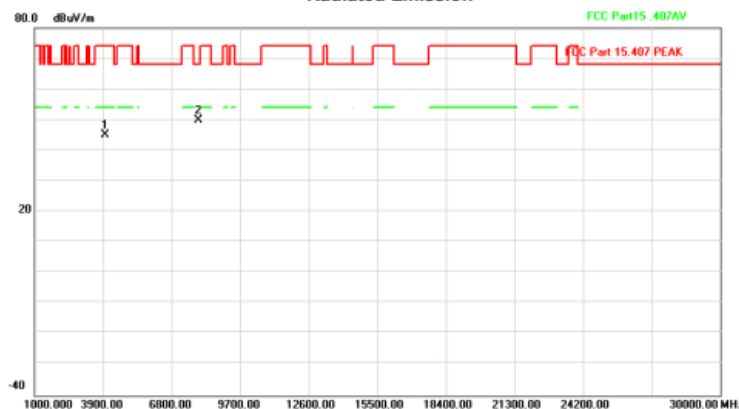


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 5727.000 | 48.90 | 1.69 | 50.59 | 68.20 | -17.61 | peak | |
| 2 | | 8859.000 | 43.65 | 6.89 | 50.54 | 68.20 | -17.66 | peak | |

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5745
 Note: 70

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 3987.000 | 52.05 | -6.89 | 45.16 | 74.00 | -28.84 | peak | |
| 2 | * | 7931.000 | 44.32 | 5.55 | 49.87 | 68.20 | -18.33 | peak | |

802.11axHT20

5785

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5785
 Note: 70

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5988.000 | 46.50 | 2.48 | 48.98 | 68.20 | -19.22 | peak | |
| 2 | * | 7931.000 | 45.12 | 5.55 | 50.67 | 68.20 | -17.53 | peak | |

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5785
 Note: 70

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 3987.000 | 52.10 | -6.89 | 45.21 | 74.00 | -28.79 | peak | |
| 2 | * | 6017.000 | 52.50 | 2.55 | 55.05 | 68.20 | -13.15 | peak | |

802.11axHT20

5825

Site: site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5825
 Note: 70

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 1609.000 | 49.61 | -10.75 | 38.86 | 74.00 | -35.14 | peak | |
| 2 * | | 5814.000 | 49.31 | 1.96 | 51.27 | 68.20 | -16.93 | peak | |

Site: site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT20 5825
 Note: 70

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 3987.000 | 51.37 | -6.89 | 44.48 | 74.00 | -29.52 | peak | |
| 2 * | | 5814.000 | 54.17 | 1.96 | 56.13 | 68.20 | -12.07 | peak | |

802.11axHT40

5755

Site site #1

Limit: FCC Part 15.407 PEAK

EUT: W6 WIFI6

M/N:

Mode: 11ax HT40 5755

Note: 72

Polarization: **Horizontal**

Power:

Temperature: 26

Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 1609.000 | 49.19 | -10.75 | 38.44 | 74.00 | -35.56 | peak | |
| 2 * | | 6017.000 | 46.72 | 2.55 | 49.27 | 68.20 | -18.93 | peak | |

Site site #1

Limit: FCC Part 15.407 PEAK

EUT: W6 WIFI6

M/N:

Mode: 11ax HT40 5755

Note: 72

Polarization: **Vertical**

Power:

Temperature: 26

Humidity: 60 %

Radiated Emission



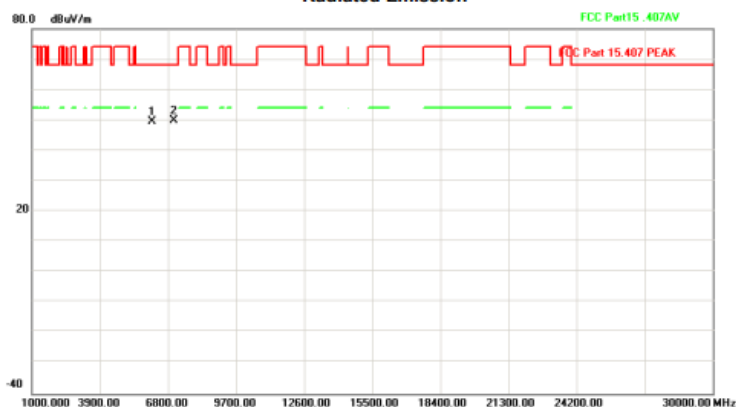
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 3987.000 | 51.87 | -6.89 | 44.98 | 74.00 | -29.02 | peak | |
| 2 * | | 5495.000 | 54.75 | 0.99 | 55.74 | 68.20 | -12.46 | peak | |

| | |
|---------------|------|
| 802.11ax HT40 | 5795 |
|---------------|------|

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT40 5795
 Note: 72

Polarization: **Horizontal**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 6133.000 | 46.88 | 2.72 | 49.60 | 68.20 | -18.60 | peak | |
| 2 * | | 7061.000 | 45.61 | 4.14 | 49.75 | 68.20 | -18.45 | peak | |

Site site #1
 Limit: FCC Part 15.407 PEAK
 EUT: W6 WIFI6
 M/N:
 Mode: 11ax HT40 5795
 Note: 72

Polarization: **Vertical**
 Power:
 Temperature: 26
 Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 3987.000 | 52.05 | -6.89 | 45.16 | 74.00 | -28.84 | peak | |
| 2 * | | 5553.000 | 55.24 | 1.17 | 56.41 | 68.20 | -11.79 | peak | |

802.11ax HT80

5775

Site site #1

Limit: FCC Part 15.407 PEAK

EUT: W6 WIFI6

M/N:

Mode: 11ax HT80 5775

Note: 74

Polarization: **Horizontal**

Power:

Temperature: 26

Humidity: 60 %

Radiated Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5611.000 | 47.53 | 1.34 | 48.87 | 68.20 | -19.33 | peak | |
| 2 * | | 6017.000 | 47.23 | 2.55 | 49.78 | 68.20 | -18.42 | peak | |

Site site #1

Limit: FCC Part 15.407 PEAK

EUT: W6 WIFI6

M/N:

Mode: 11ax HT80 5775

Note: 74

Polarization: **Vertical**

Power:

Temperature: 26

Humidity: 60 %

Radiated Emission

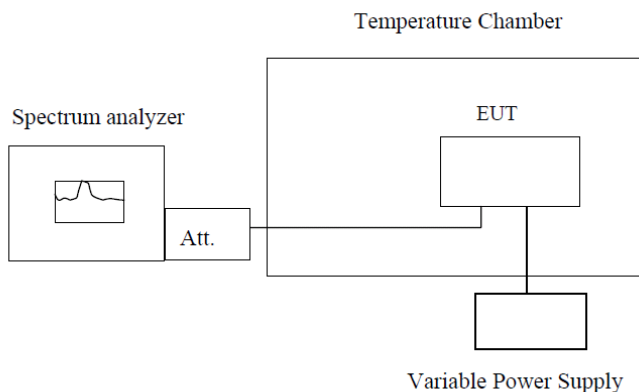


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 3987.000 | 52.57 | -6.89 | 45.68 | 74.00 | -28.32 | peak | |
| 2 * | | 5553.000 | 56.16 | 1.17 | 57.33 | 68.20 | -10.87 | peak | |
| 3 | | 6017.000 | 52.98 | 2.55 | 55.53 | 68.20 | -12.67 | peak | |
| 4 | | 14224.000 | 42.05 | 11.29 | 53.34 | 68.20 | -14.86 | peak | |

Notes:

1. Measure Level = Reading Level + Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

7.8 Frequency stability

| | |
|-------------------|---|
| Test Requirement: | FCC Part15 C Section 15.407(g) |
| Test Method: | ANSI C63.10:2013, FCC Part 2.1055 |
| Limit: | Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified |
| Test Procedure: | The EUT was setup to ANSI C63.4, 2003; tested to 2.1055 for compliance to FCC Part 15.407(g) requirements. |
| Test setup: |  <p>Note : Measurement setup for testing on Antenna connector</p> |
| Test Instruments: | Refer to section 5.10 for details |
| Test mode: | Refer to section 5.2 for details |
| Test results: | Pass |

Voltage vs. Frequency Stability

| Voltage | Measurement Frequency (MHz) |
|----------------------|-----------------------------|
| (V) | 5745.0000 |
| 138 | 5744.9635 |
| 120 | 5744.9716 |
| 102 | 5744.9843 |
| Max. Deviation (MHz) | 0.0365 |
| Max. Deviation (ppm) | 6.35 |

Temperature vs. Frequency Stability

| Temperature | Measurement Frequency (MHz) |
|----------------------|-----------------------------|
| (°C) | 5745.0000 |
| -5 | 5744.9761 |
| 5 | 5744.9813 |
| 15 | 5744.9816 |
| 25 | 5744.9913 |
| 35 | 5744.9728 |
| 45 | 5744.9831 |
| Max. Deviation (MHz) | 0.0272 |
| Max. Deviation (ppm) | 4.73 |

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

-----END-----