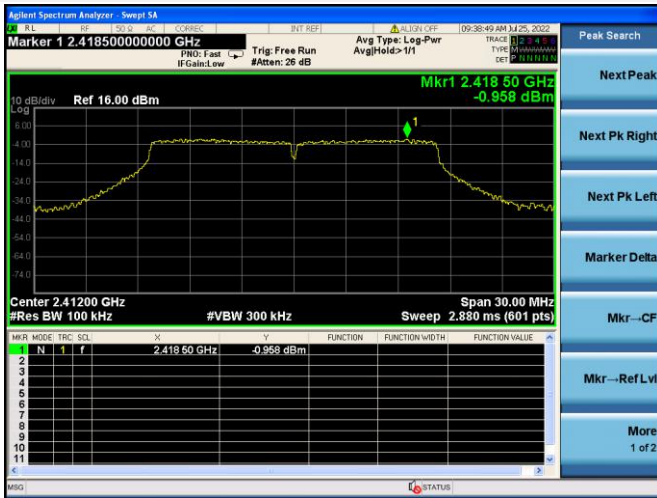
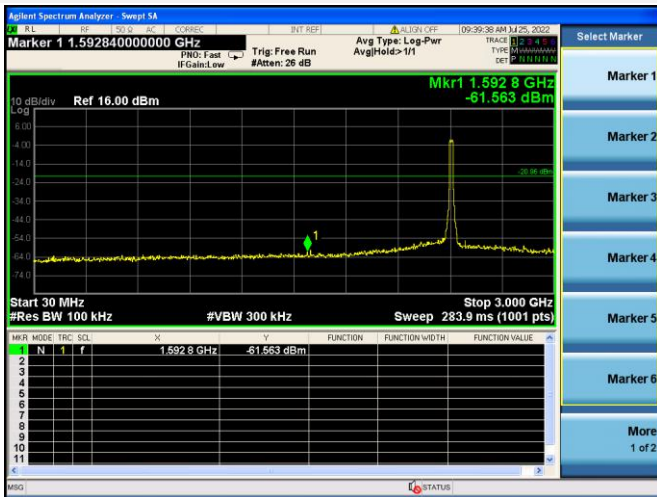


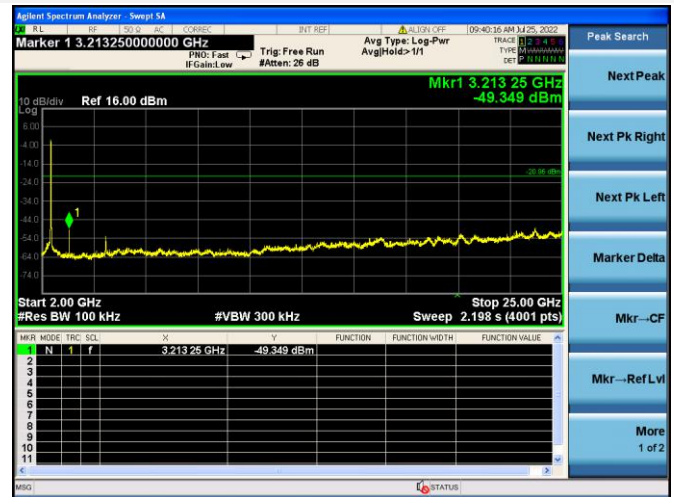
802.11g LOW CHANNEL CARRIER LEVEL



802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



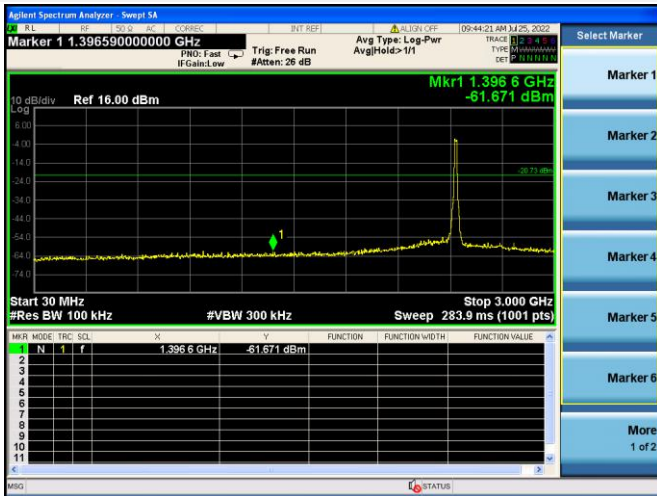
802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



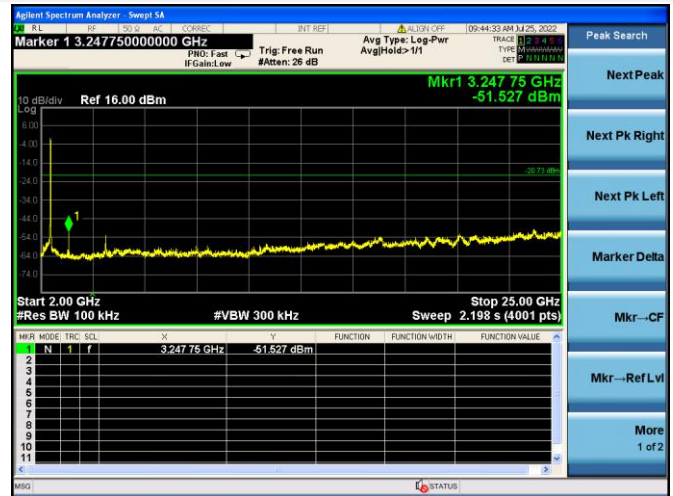
802.11g MIDDLE CHANNEL CARRIER LEVEL



802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



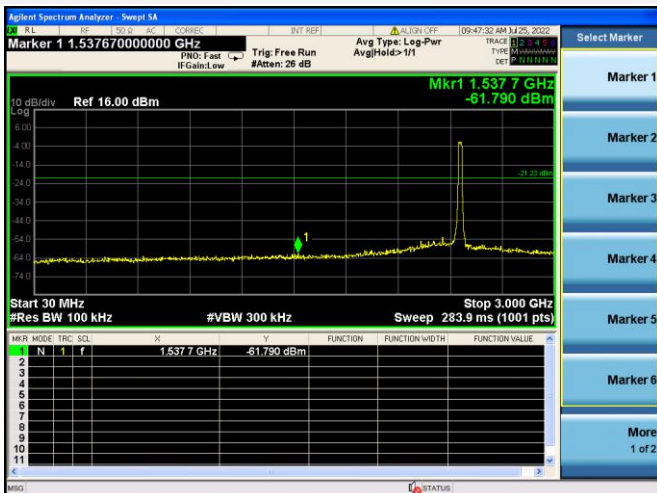
802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



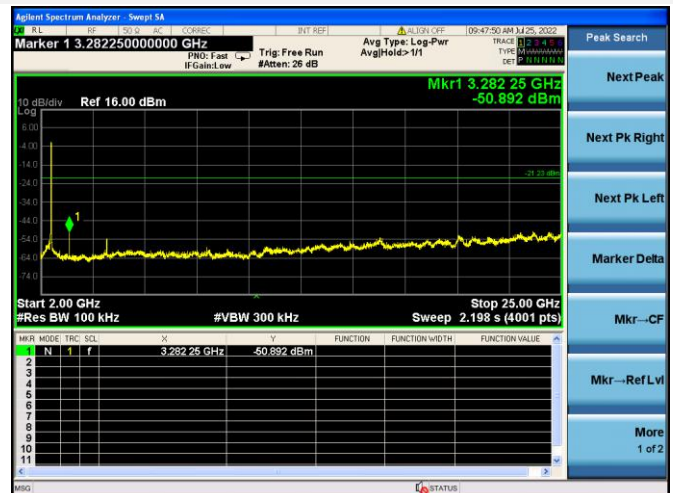
802.11g HIGH CHANNEL CARRIER LEVEL



802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



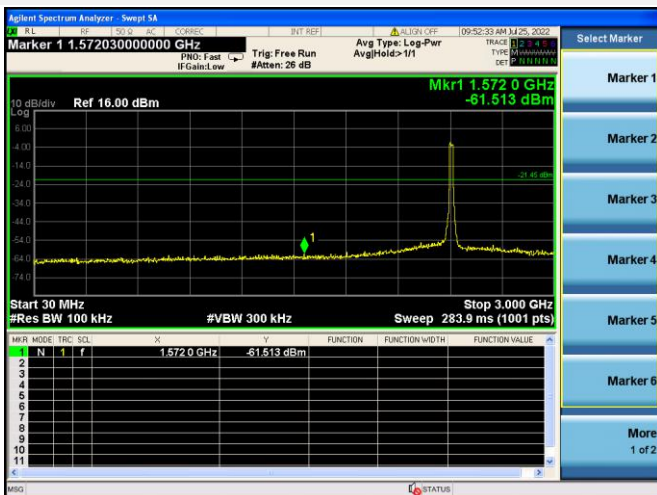
802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



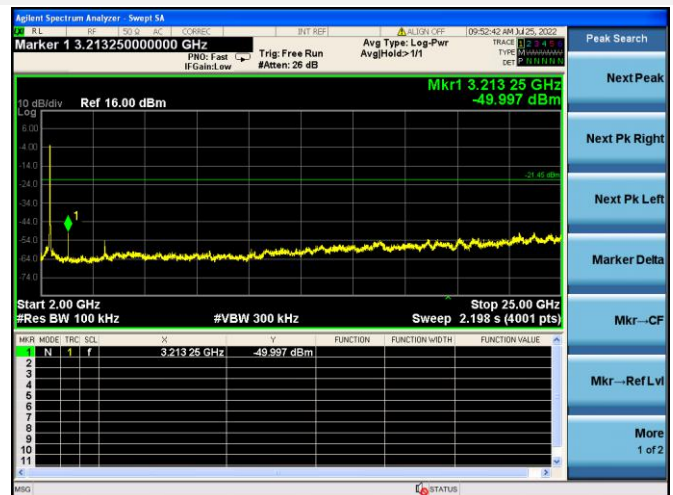
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL



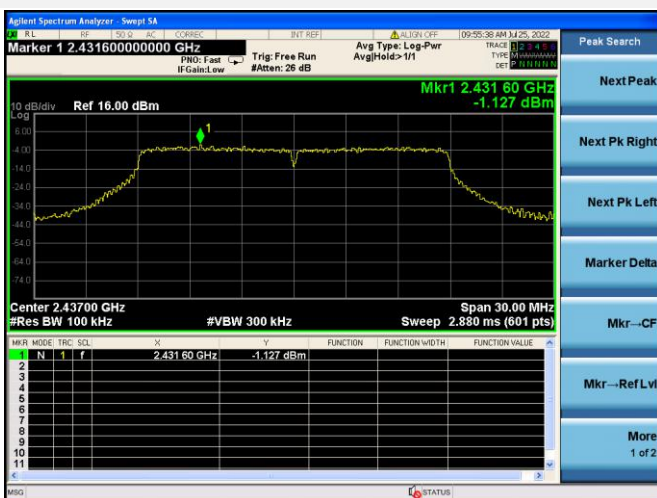
802.11n-20 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



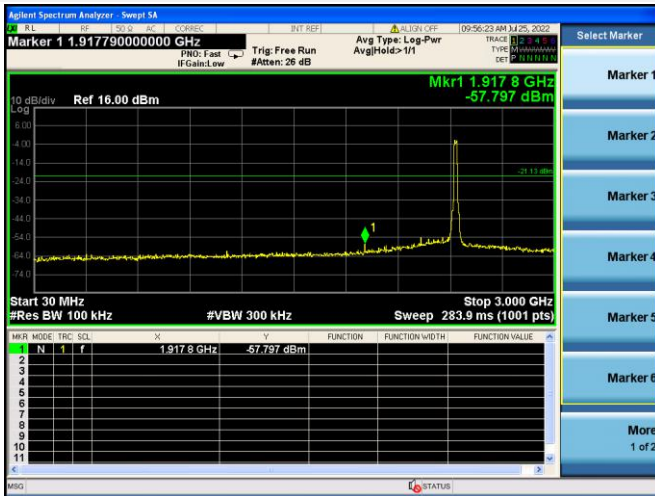
802.11n-20 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



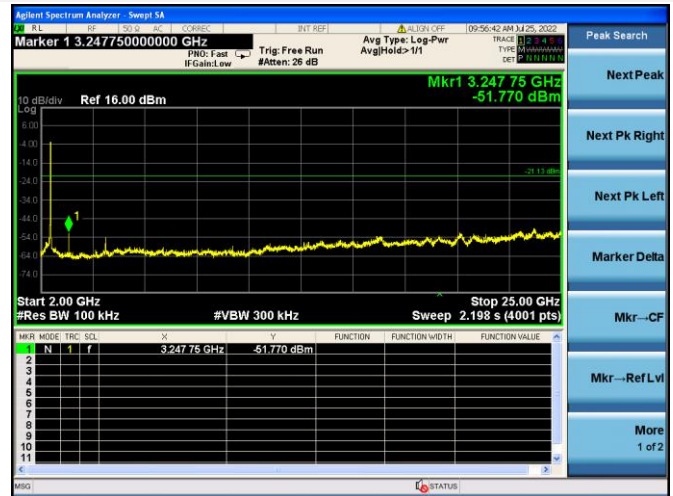
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



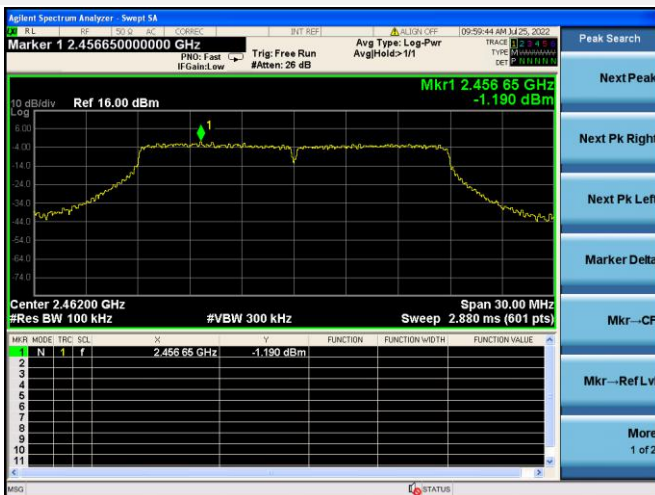
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



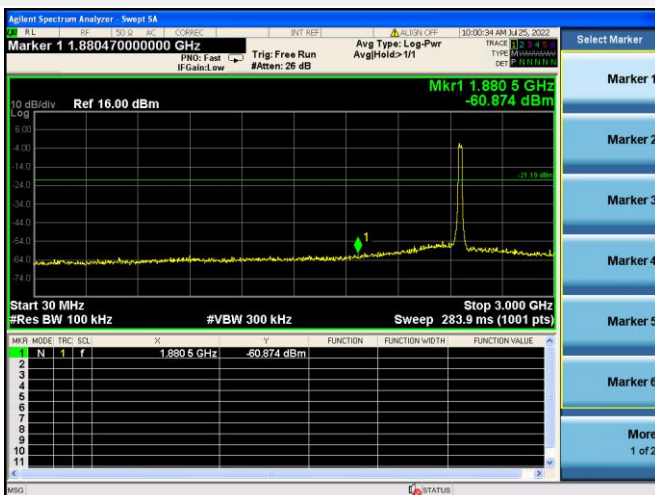
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



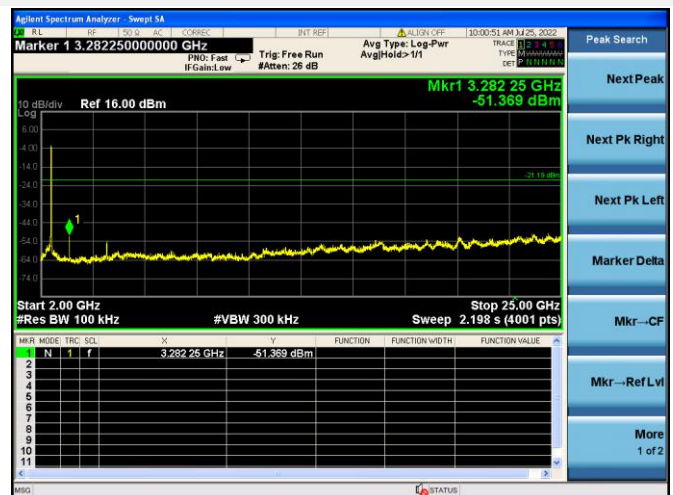
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



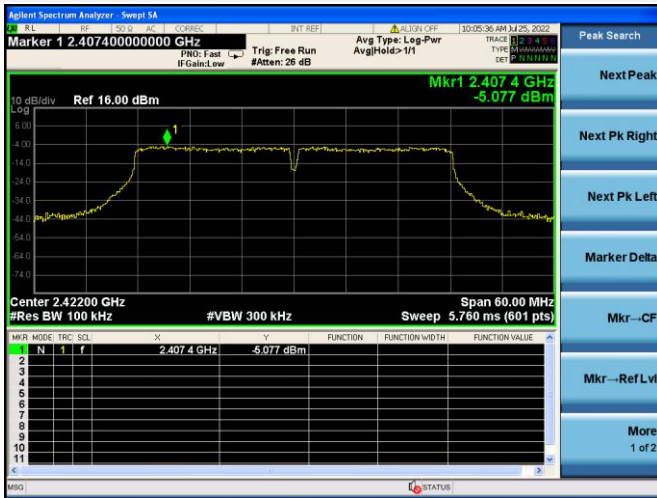
802.11n-20 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



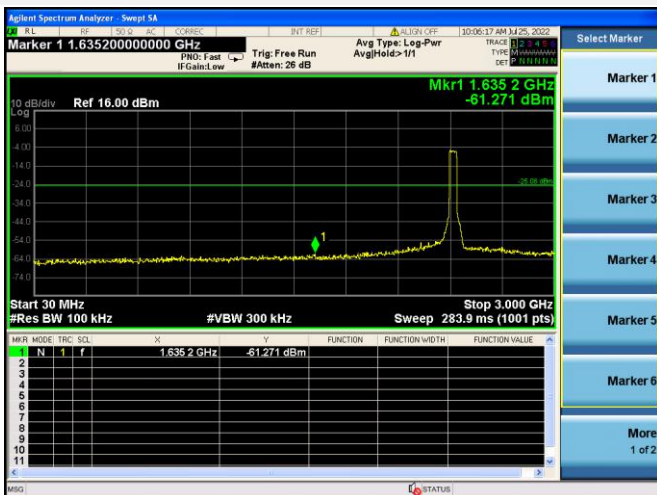
802.11n-20 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



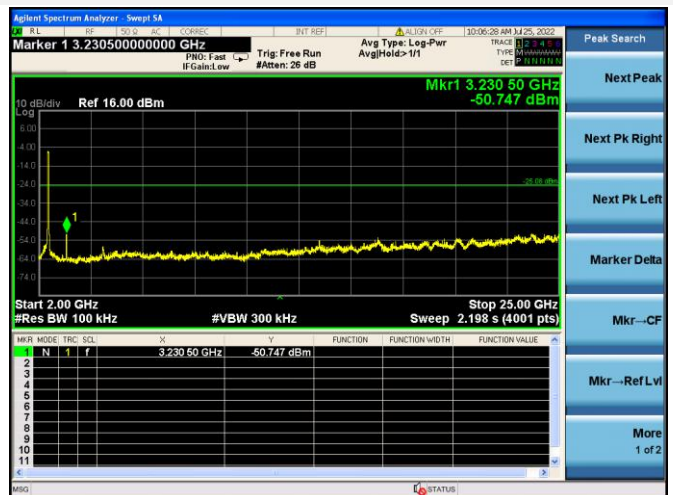
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL



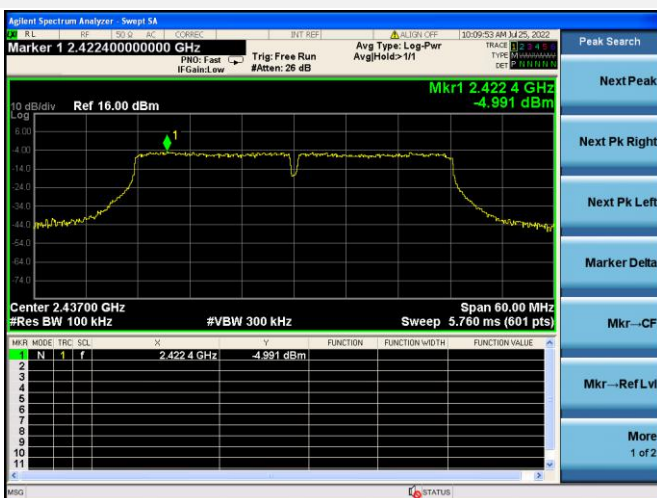
802.11n-40 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



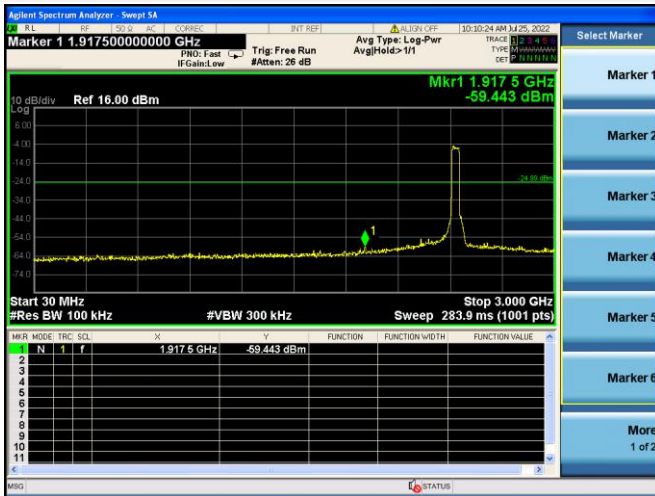
802.11n-40 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



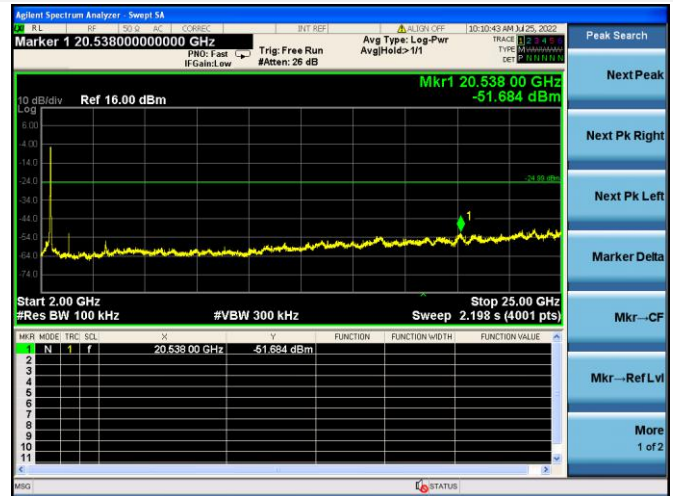
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



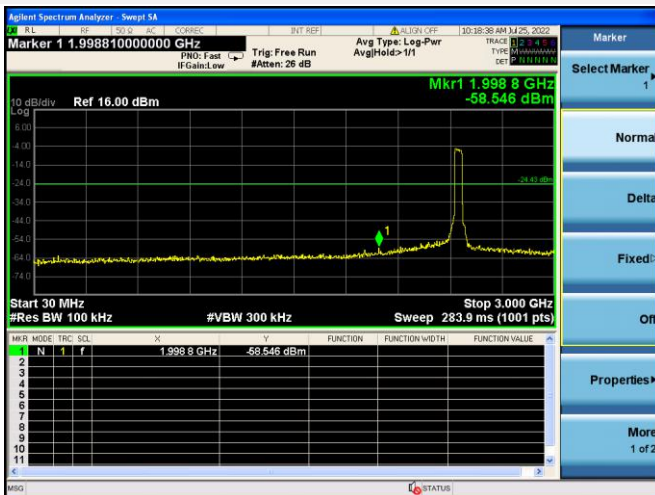
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



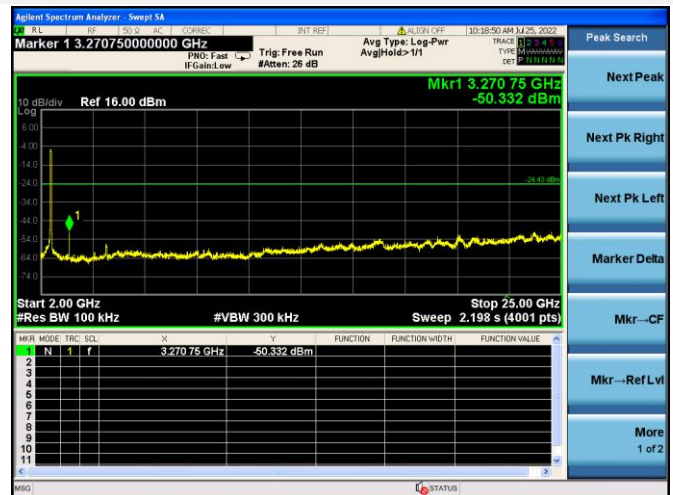
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

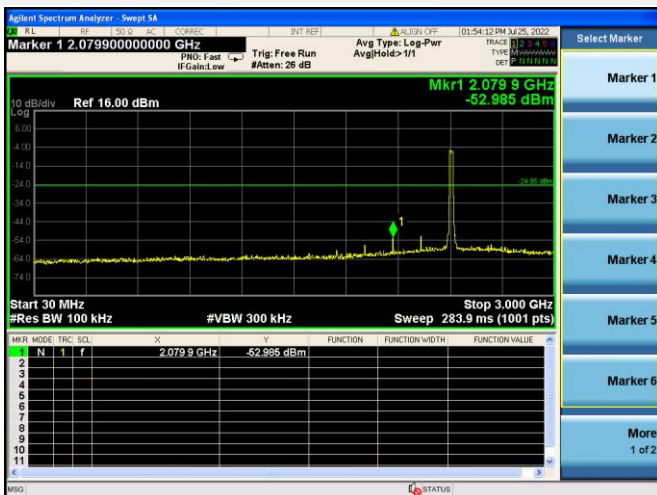


MIMO-Main Antenna

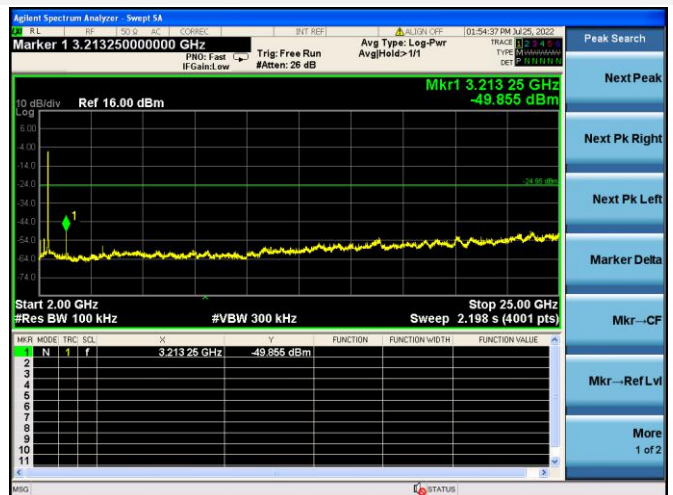
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL



802.11n-20 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



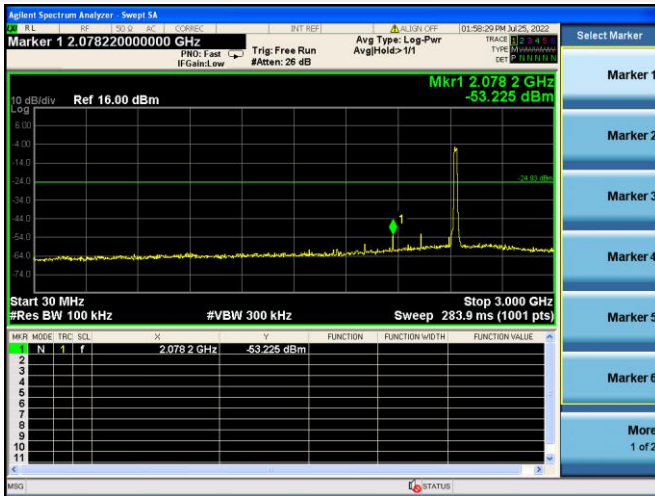
802.11n-20 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



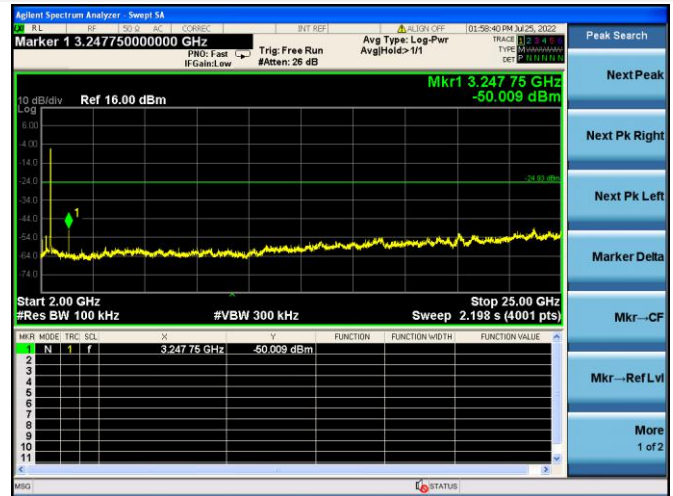
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



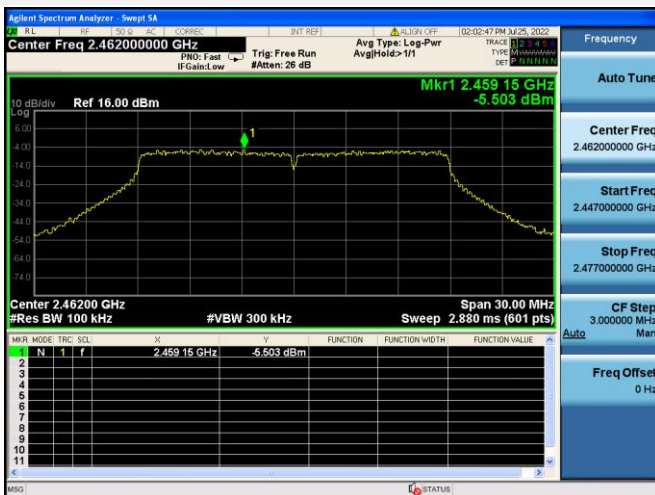
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



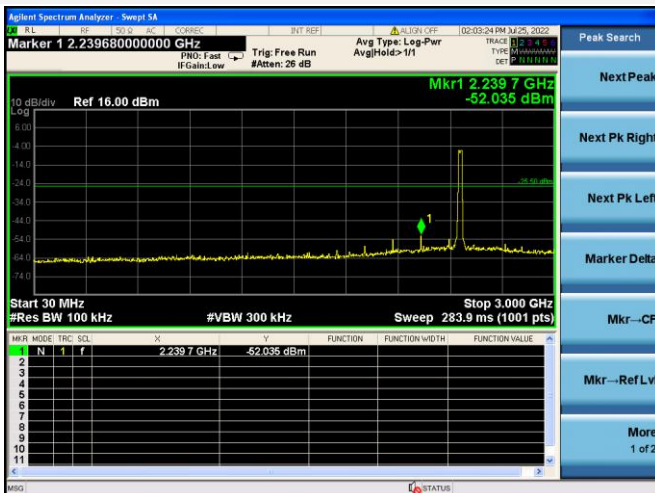
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



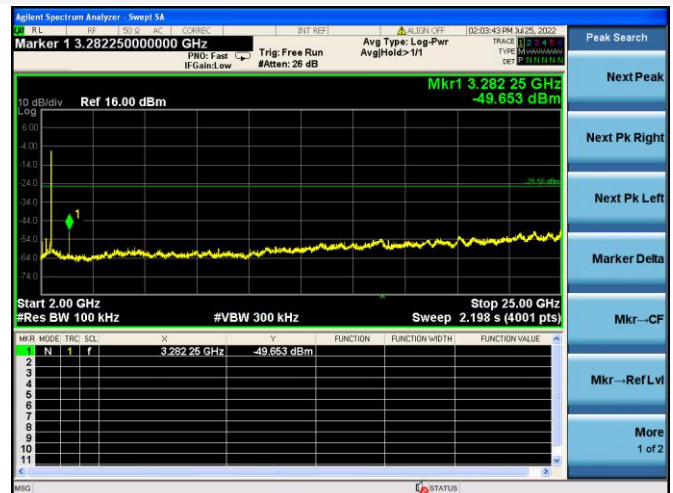
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



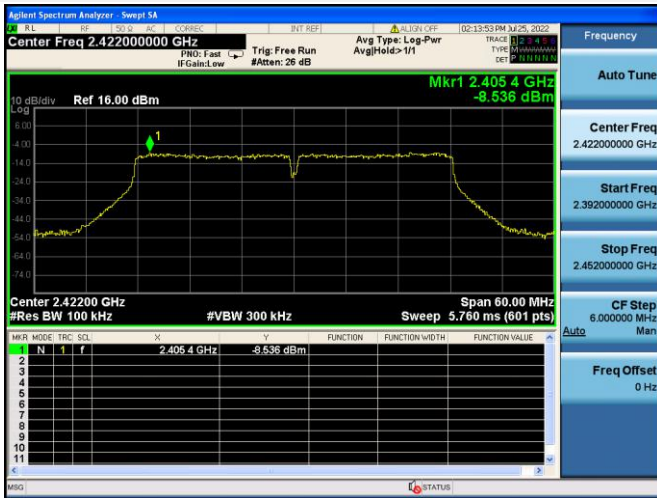
802.11n-20 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



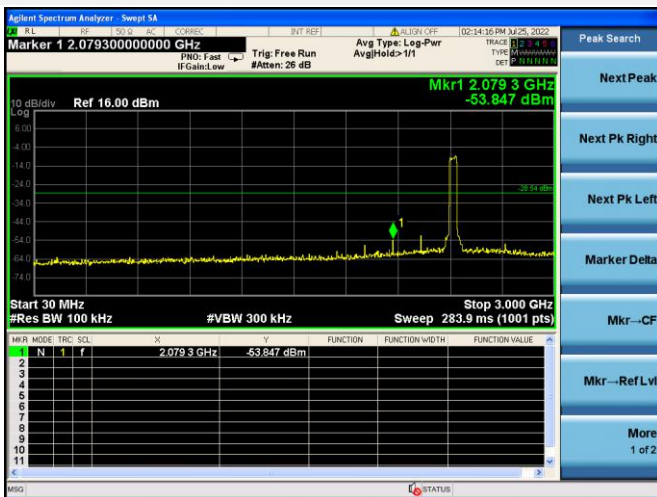
802.11n-20 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



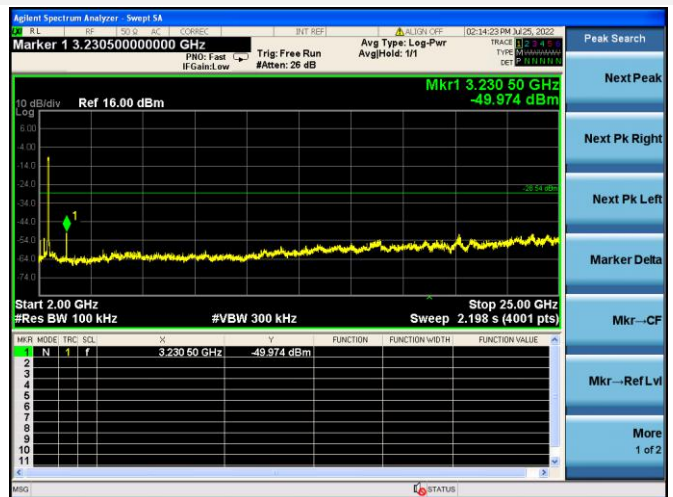
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL



802.11n-40 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



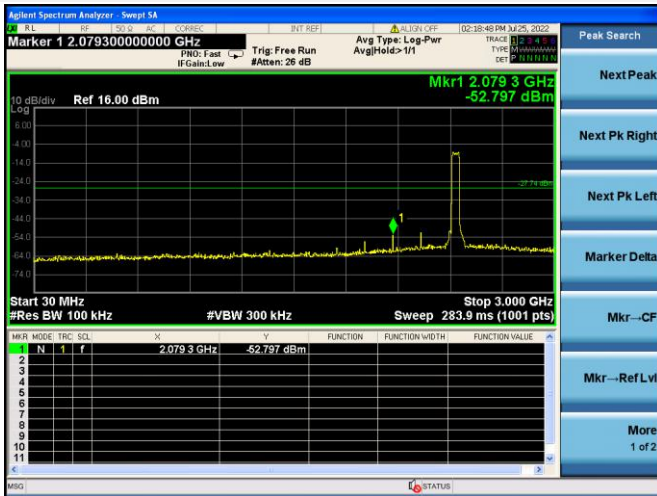
802.11n-40 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



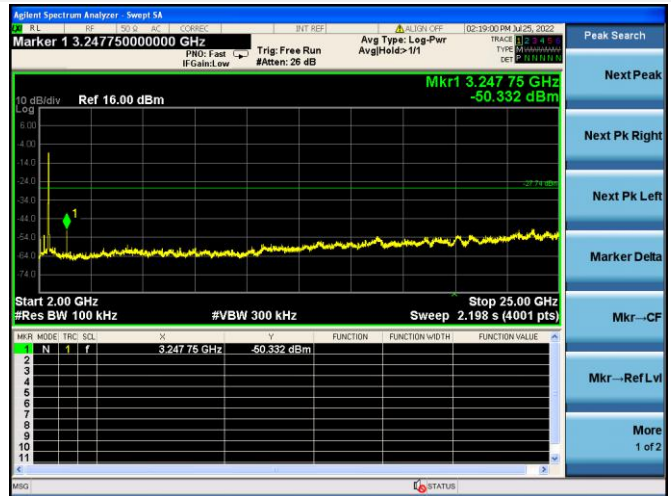
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



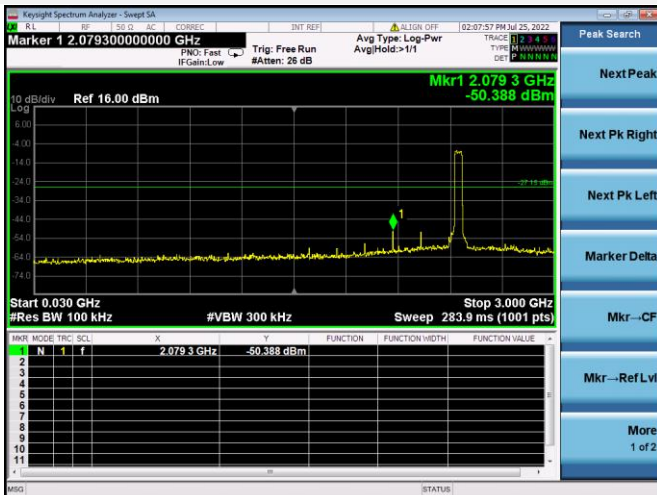
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

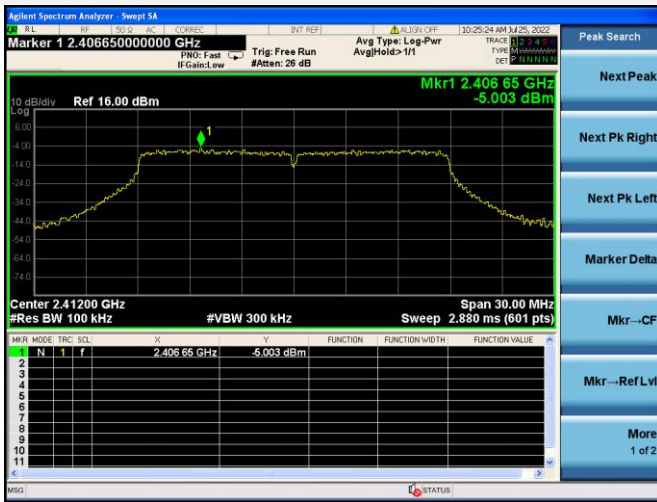


802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

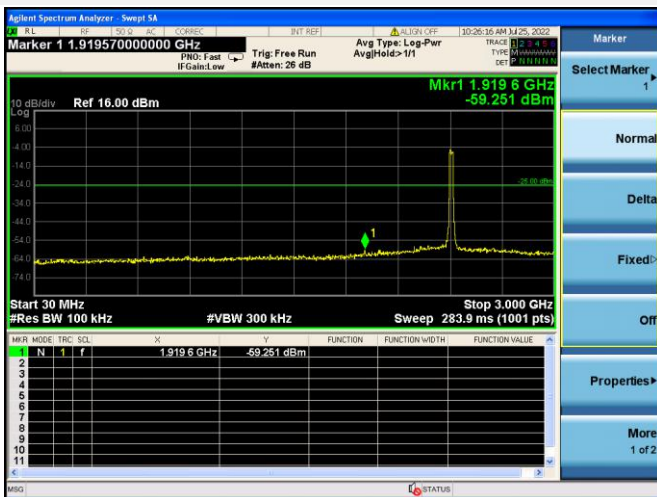


MIMO-Aux. Antenna

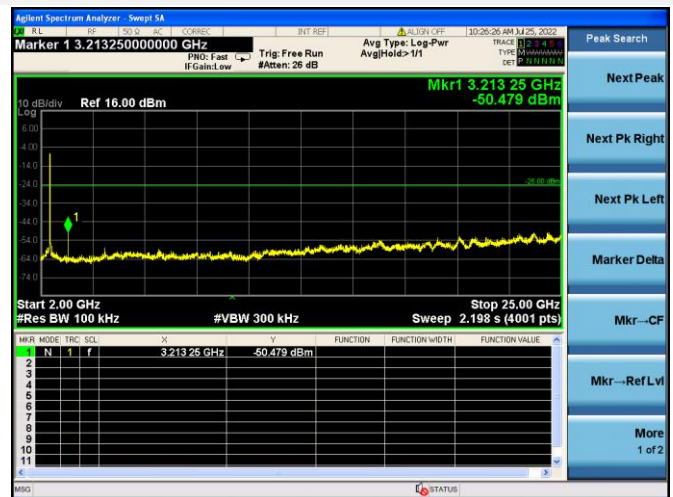
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL



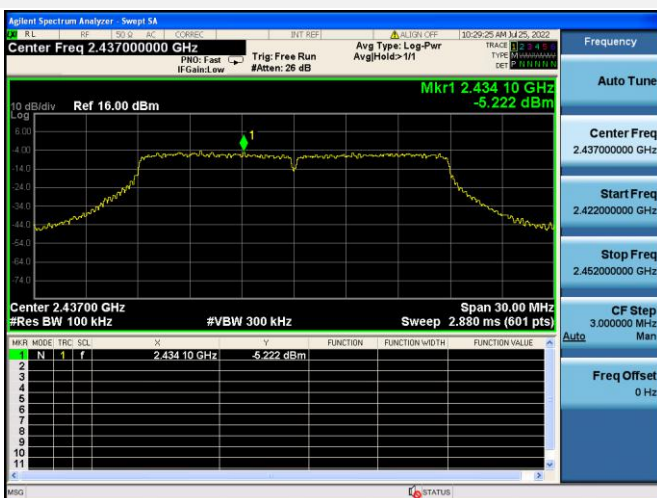
802.11n-20 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



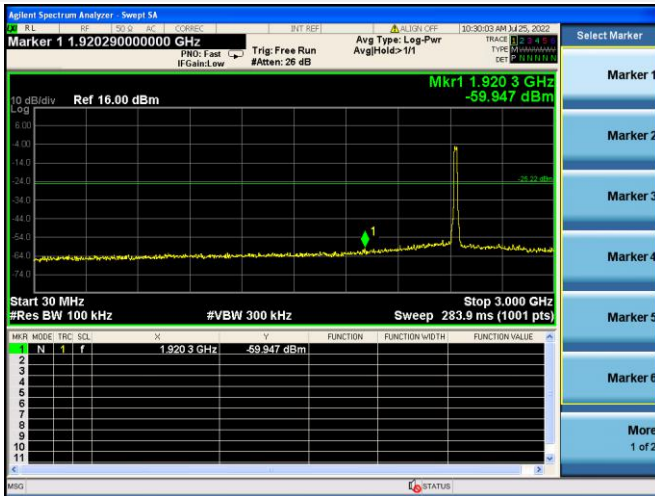
802.11n-20 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



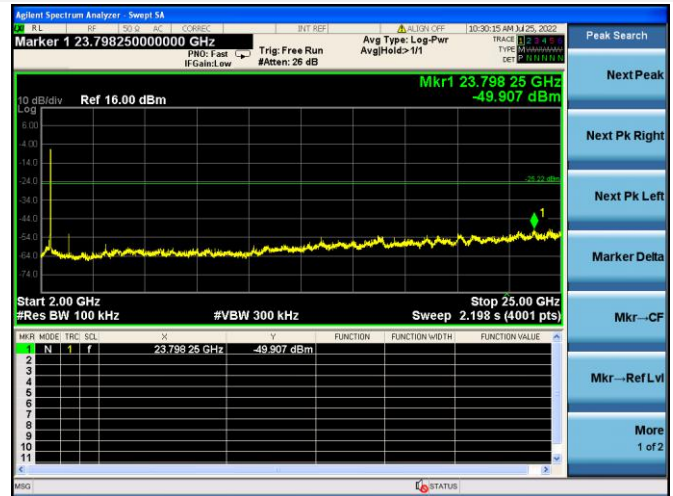
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



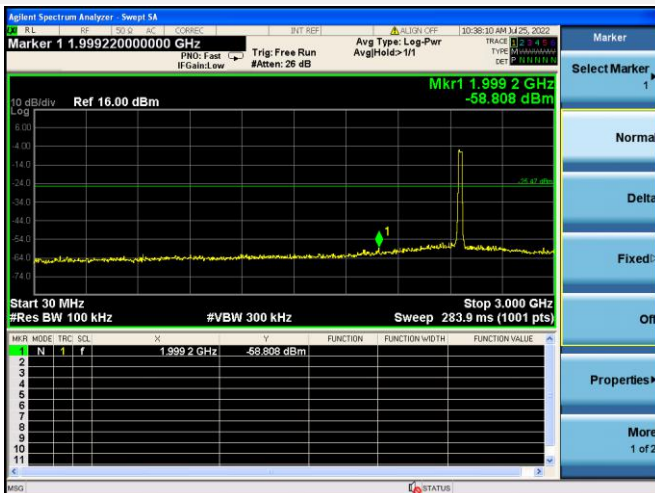
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



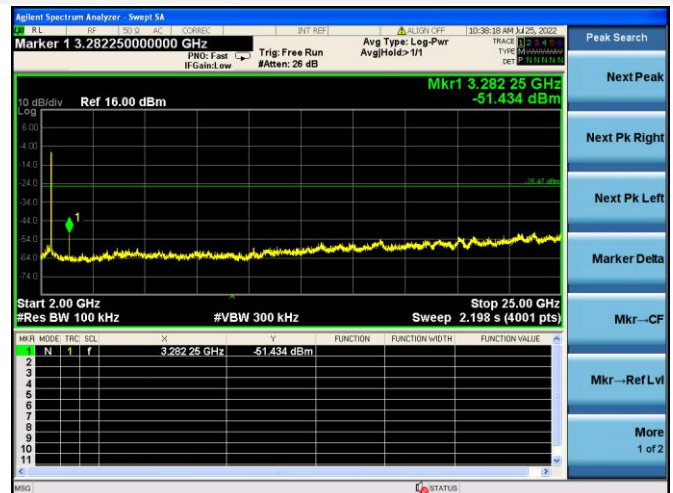
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



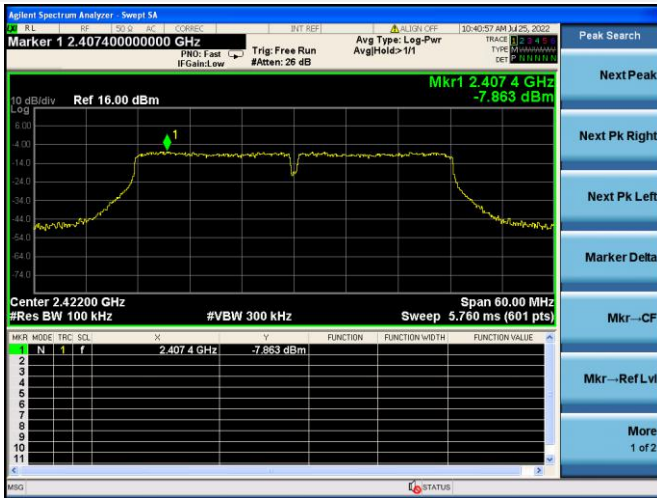
802.11n-20 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



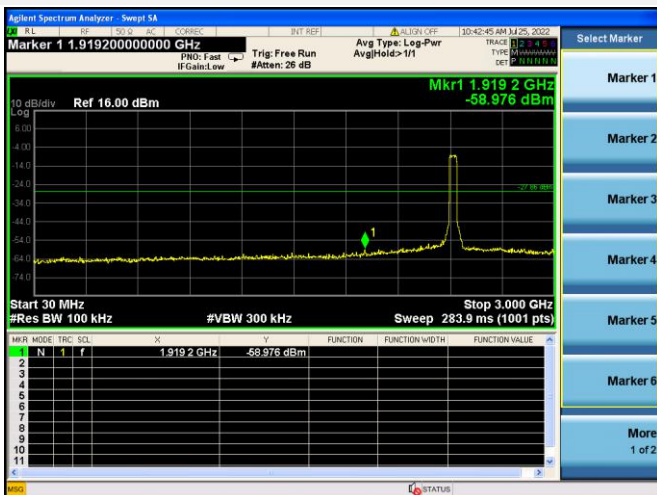
802.11n-20 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



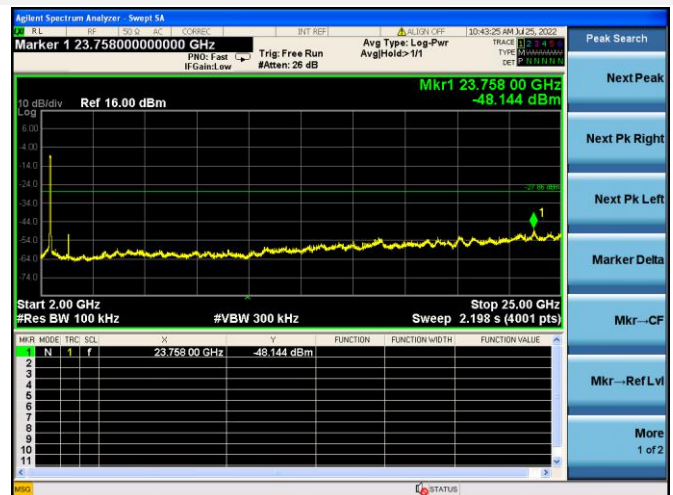
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL



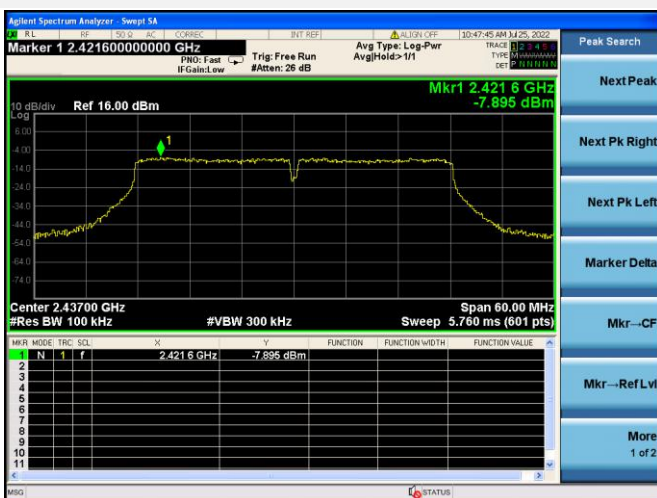
802.11n-40 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



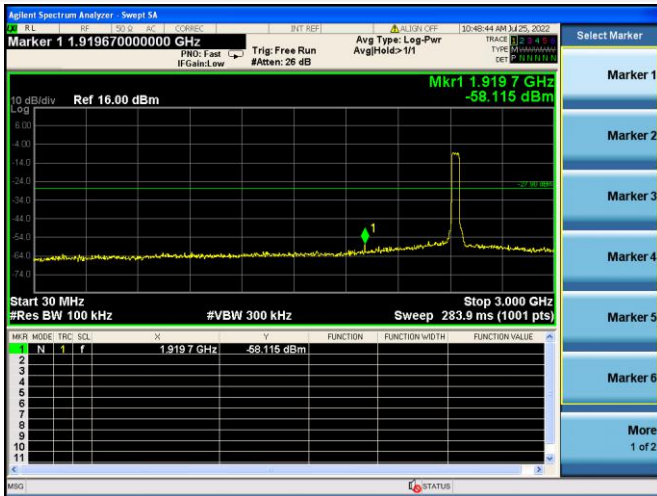
802.11n-40 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



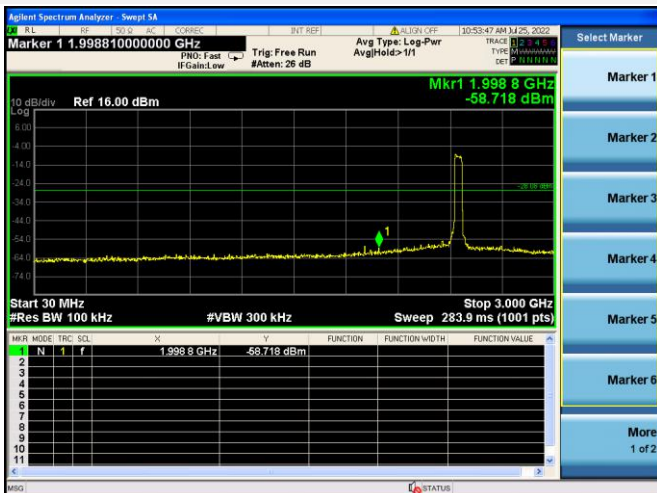
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



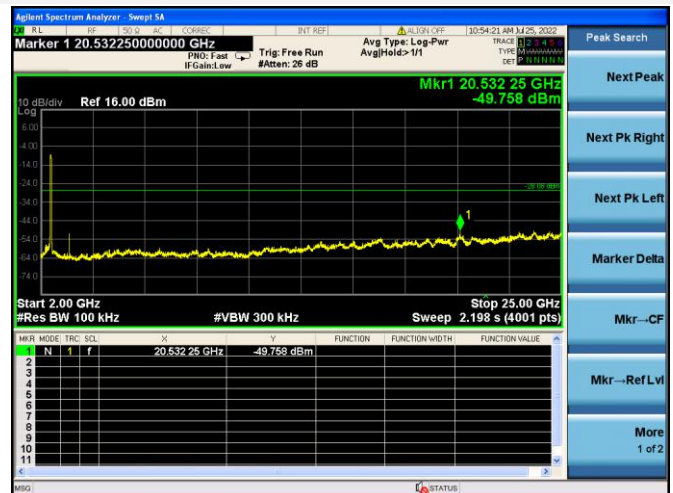
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



5.5 Band Edge (Authorized-band band-edge)

5.5.1 Limit

FCC §15.247(d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.5.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX A.

5.5.3 Test Procedure

The following procedures may be used to determine the peak or average field strength or power of an unwanted emission that is within 2 MHz of the authorized band edge. If a peak detector is utilized, use the procedure described in 13.2.1. Use the procedure described in 13.2.2 when using an average detector and the EUT can be configured to transmit continuously (i.e., duty cycle $\geq 98\%$). Use the procedure described in 13.2.3 when using an average detector and the EUT cannot be configured to transmit continuously but the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent). Use the procedure described in 13.2.4 when using an average detector for those cases where the EUT cannot be configured to transmit continuously and the duty cycle is not constant (duty cycle variations equal or exceed 2 percent).

When using a peak detector to measure unwanted emissions at or near the band edge (within 2 MHz of the authorized band), the following integration procedure can be used.

Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band edge).

Set span to 2 MHz

RBW = 100 kHz.

VBW $\geq 3 \times$ RBW.

Detector = peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweep to continue until the trace stabilizes (required measurement time may increase for low duty cycle applications)

Compute the power by integrating the spectrum over 1 MHz using the analyzer's band power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the instrument does not have a band power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission ± 0.5 MHz.

Standard method(The 99% OBW of the fundamental emission is without 2 MHz of the authorized band):

Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.

Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level. Specific guidance is given in 4.1.5.2.

Attenuation: Auto (at least 10 dB preferred).

Sweep time: Coupled.

Resolution bandwidth: 100 kHz.

Video bandwidth: 300 kHz.

Detector: Peak.

Trace: Max hold.

5.5.4 Test Result

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

Main Antenna

802.11b Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -44.83 | 3.79 | -16.21 | Pass |
| High Channel | -54.21 | 3.86 | -16.14 | Pass |

802.11g Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -32.10 | -0.45 | -20.45 | Pass |
| High Channel | -45.10 | -0.95 | -20.95 | Pass |

802.11n-20 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -33.59 | -1.76 | -21.76 | Pass |
| High Channel | -47.32 | -1.39 | -21.39 | Pass |

802.11n-40 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -33.29 | -2.68 | -22.68 | Pass |
| High Channel | -43.58 | -5.06 | -25.06 | Pass |

Aux. Antenna

802.11b Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -38.83 | 3.58 | -16.43 | Pass |
| High Channel | -53.95 | 3.89 | -16.11 | Pass |

802.11g Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -34.48 | -0.96 | -20.96 | Pass |
| High Channel | -49.30 | -1.23 | -21.23 | Pass |

802.11n-20 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -33.86 | -1.45 | -21.45 | Pass |
| High Channel | -48.73 | -1.19 | -21.19 | Pass |

802.11n-40 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -37.60 | -5.08 | -25.08 | Pass |
| High Channel | -45.87 | -4.43 | -24.43 | Pass |

MIMO-Main Antenna

802.11n-20 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -38.96 | -4.95 | -24.95 | Pass |
| High Channel | -53.53 | -5.50 | -25.50 | Pass |

802.11n-40 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -39.62 | -8.54 | -28.54 | Pass |
| High Channel | -49.27 | -7.15 | -27.15 | Pass |

MIMO-Aux. Antenna

802.11n-20 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -38.28 | -5.00 | -25.00 | Pass |
| High Channel | -54.48 | -5.47 | -25.47 | Pass |

802.11n-40 MHz Mode:

| Channel | Measured Max. Band Edge Emission (dBm) | Limit (dBm) | | Verdict |
|--------------|--|---------------|----------------------------|---------|
| | | Carrier Level | Calculated 20 dBc Limit | |
| Low Channel | -39.62 | -7.86 | -27.86 | Pass |
| High Channel | -50.78 | -8.08 | -28.08 | Pass |

Test Plots

Main Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, BAND EDGE



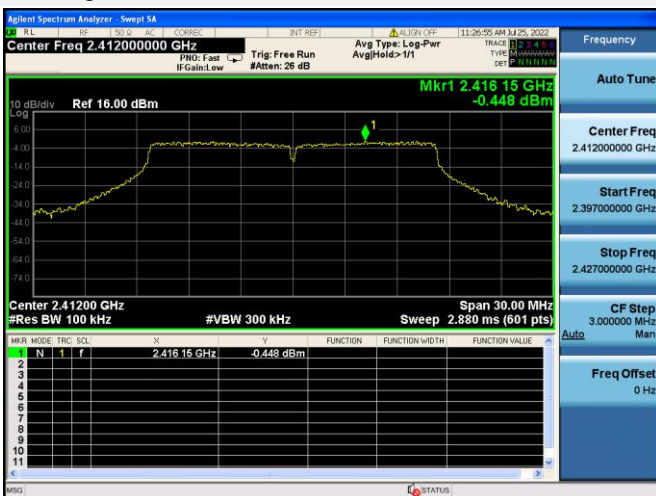
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



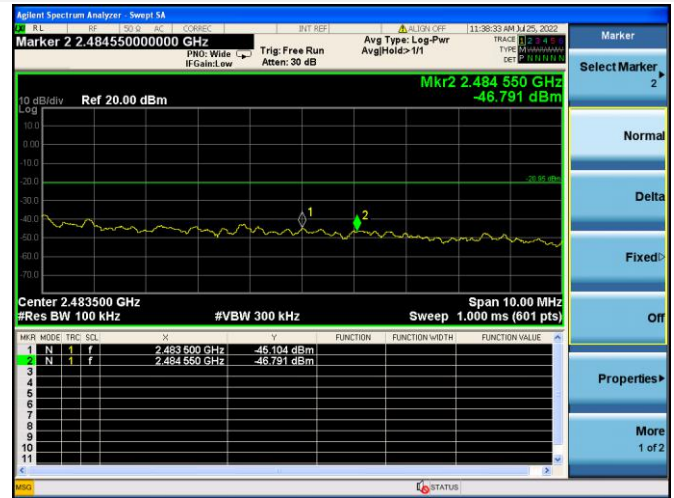
802.11g LOW CHANNEL, BAND EDGE



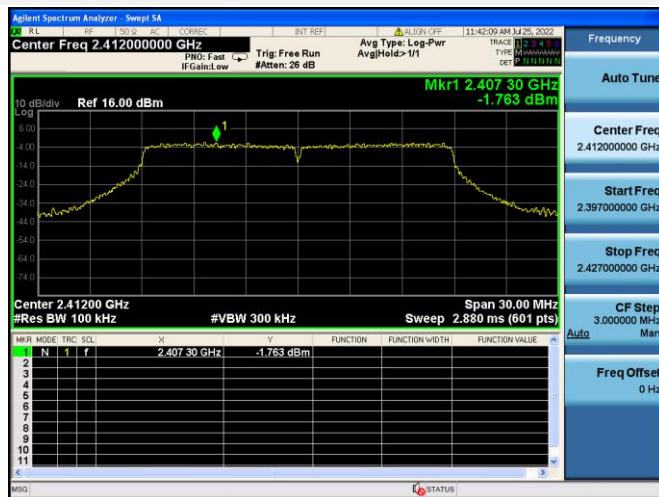
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



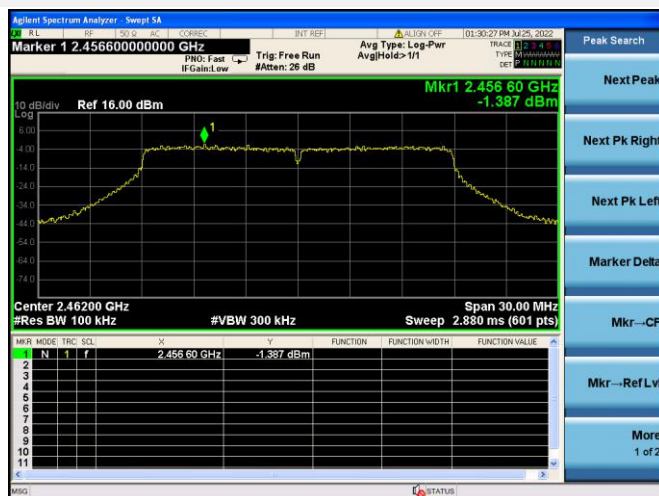
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



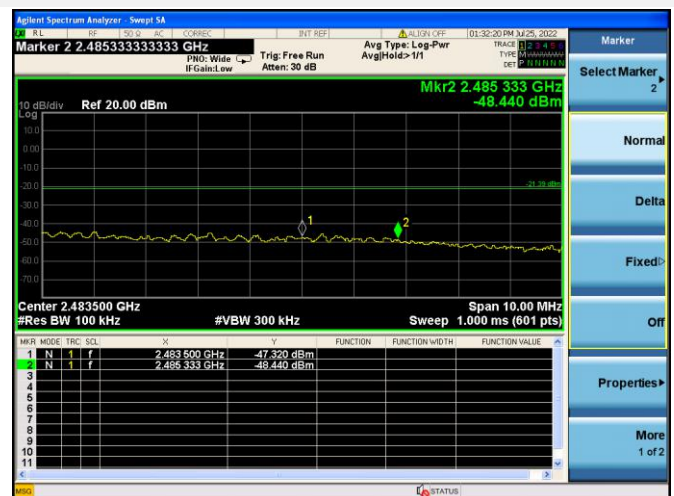
802.11n-20 MHz LOW CHANNEL, BAND EDGE



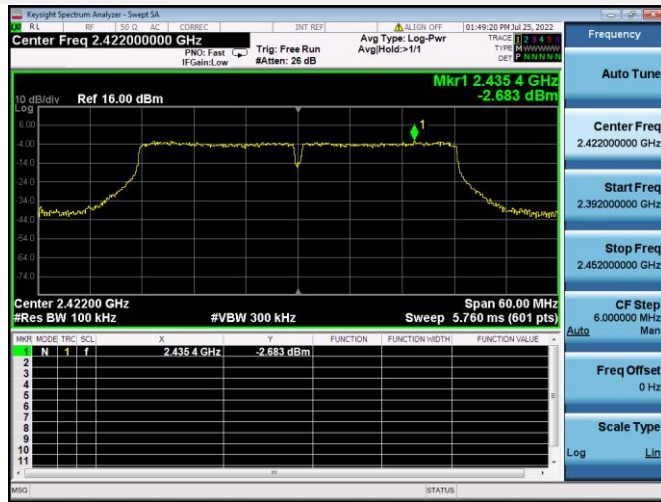
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



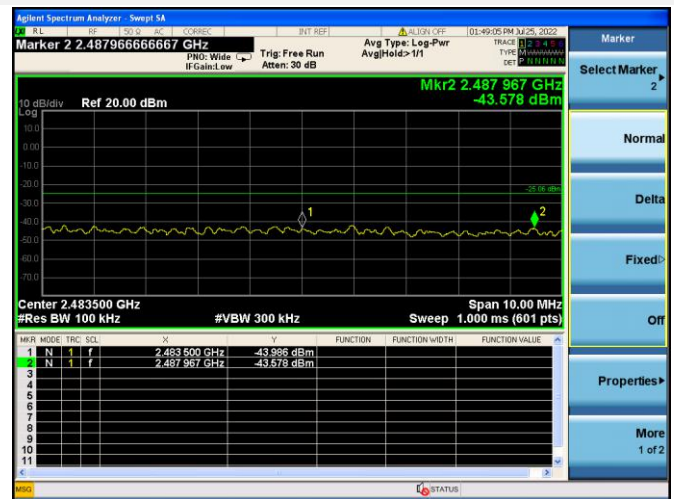
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



Aux. Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, BAND EDGE



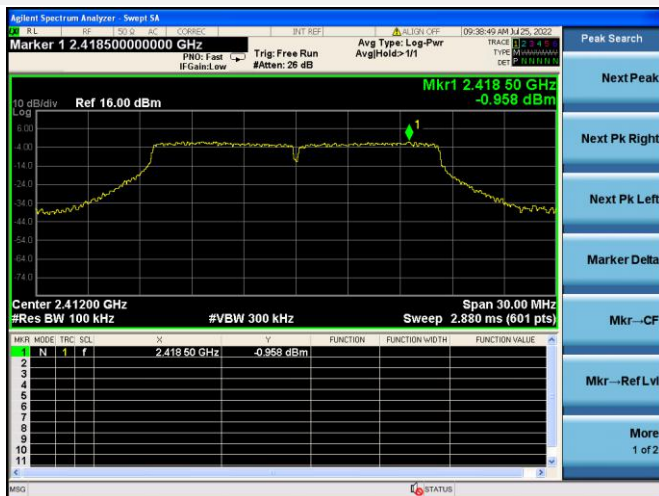
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



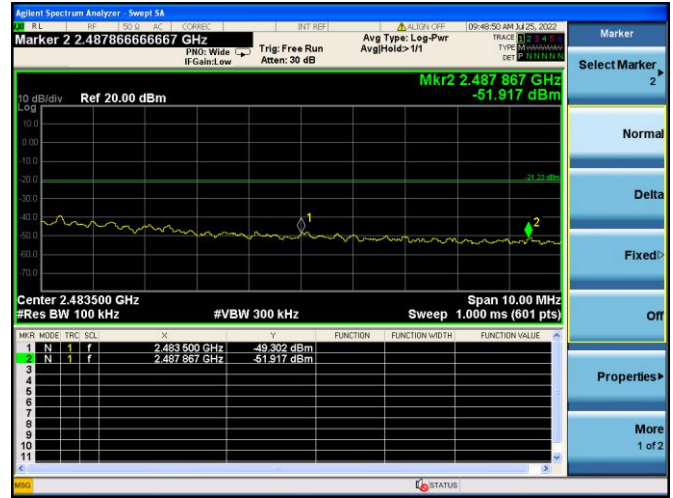
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



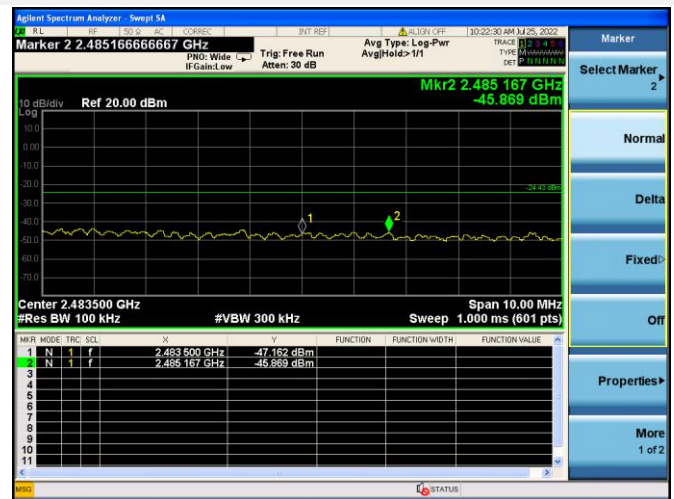
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



MIMO-Main Antenna

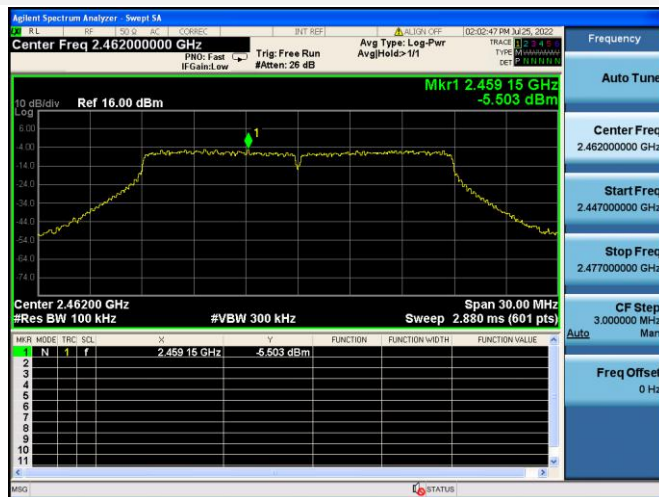
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



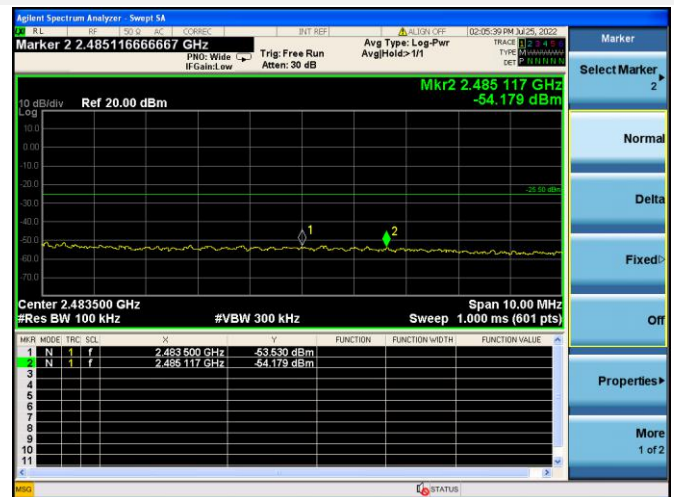
802.11n-20 MHz LOW CHANNEL, BAND EDGE



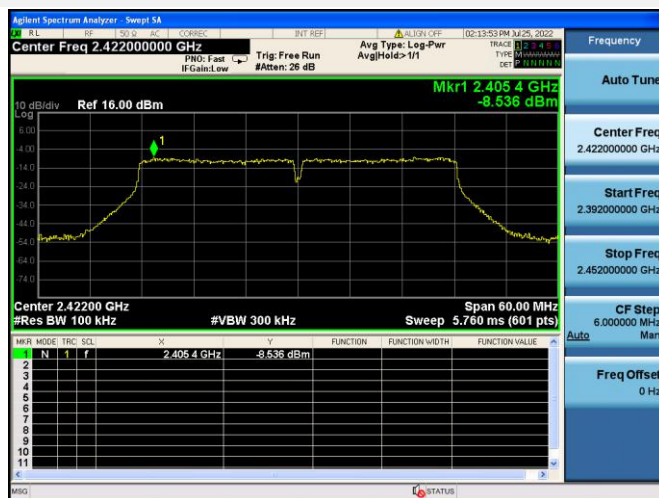
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



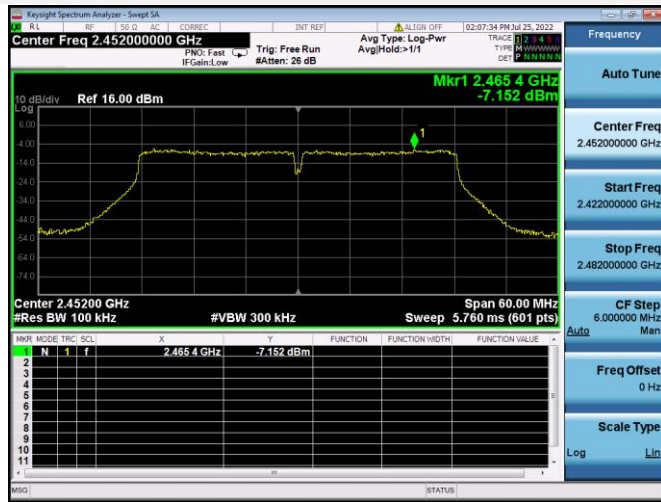
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



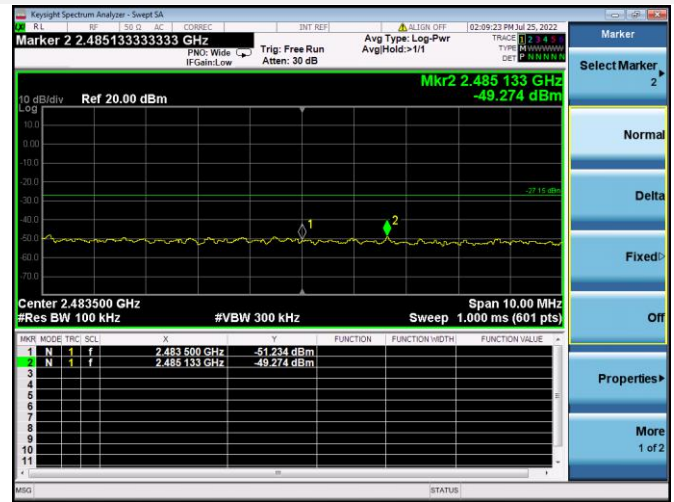
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



MIMO-Aux. Antenna

802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



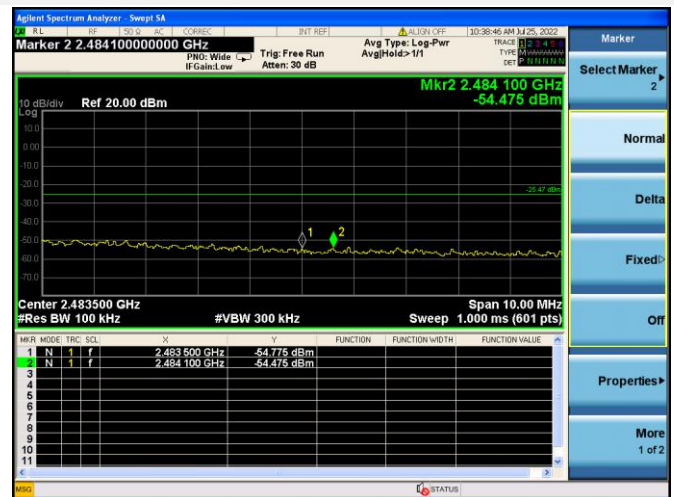
802.11n-20 MHz LOW CHANNEL, BAND EDGE



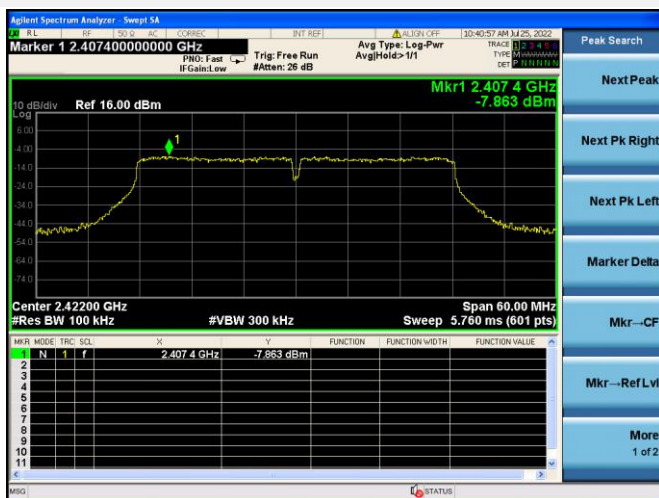
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



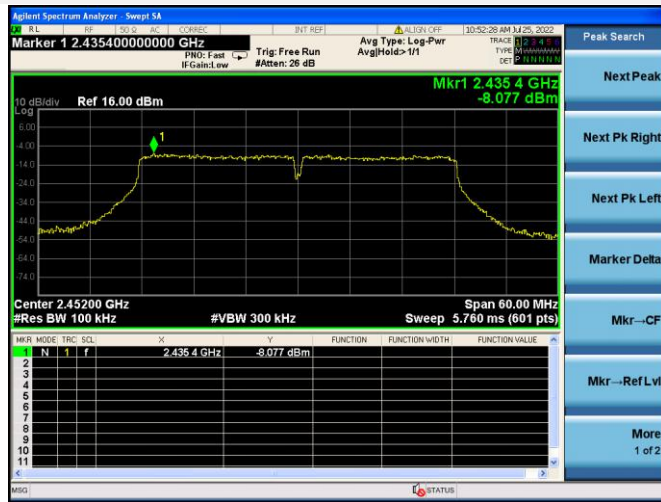
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



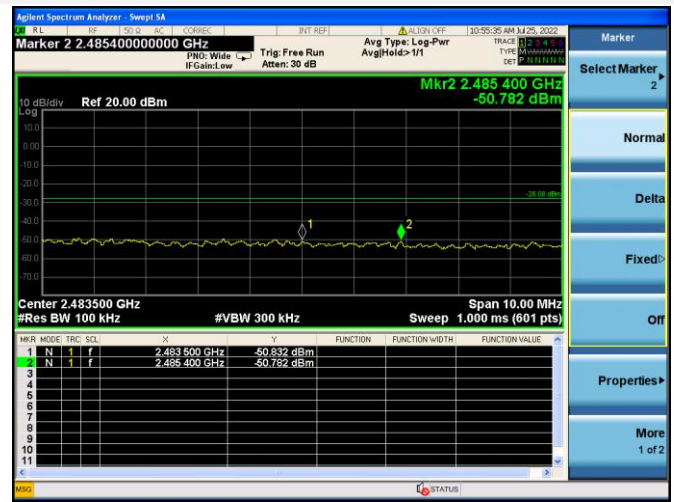
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



5.6 Conducted Emission

5.6.1 Limit

FCC §15.207

For an intentional radiator 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 within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

| Frequency range (MHz) | Conducted Limit (dB μ V) | |
|--------------------------|------------------------------|----------|
| | Quai-peak | Average |
| 0.15 - 0.50 | 66 to 56 | 56 to 46 |
| 0.50 - 5 | 56 | 46 |
| 0.50 - 30 | 60 | 50 |

5.6.2 Test Setup

See section 4.5.2 for test setup description for the AC power supply port. The photo of test setup please refer to ANNEX A.

5.6.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

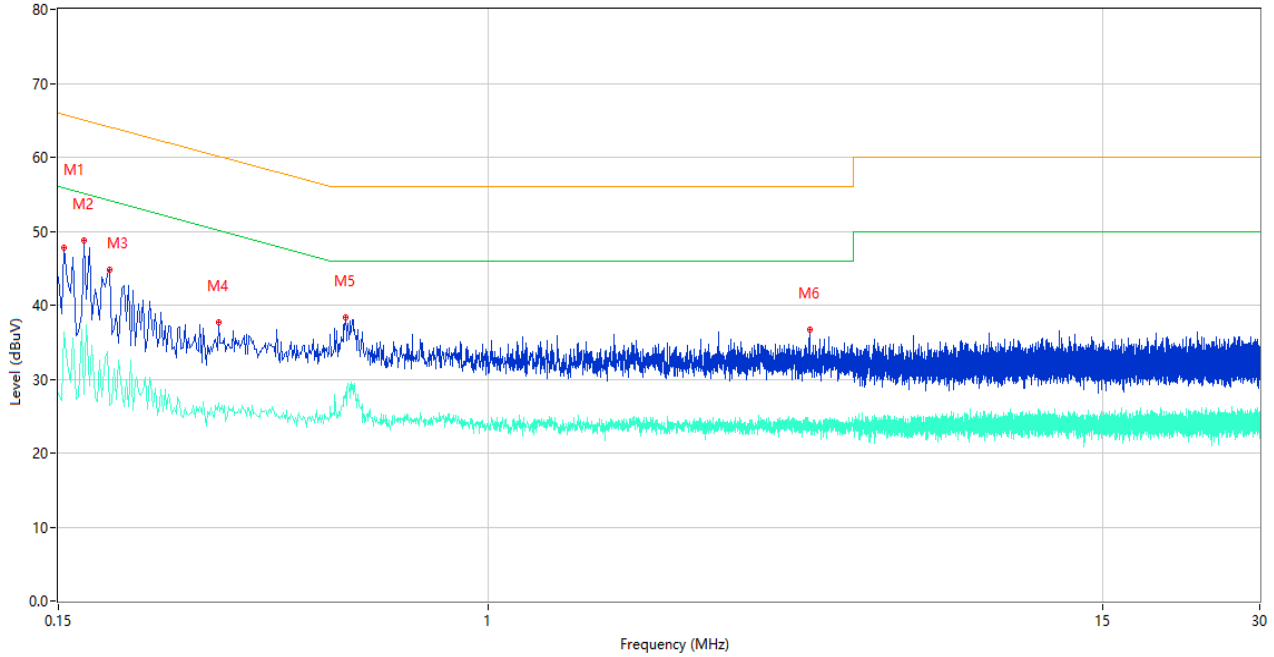
5.6.4 Test Result

Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Test Data and Plots

PHASE L

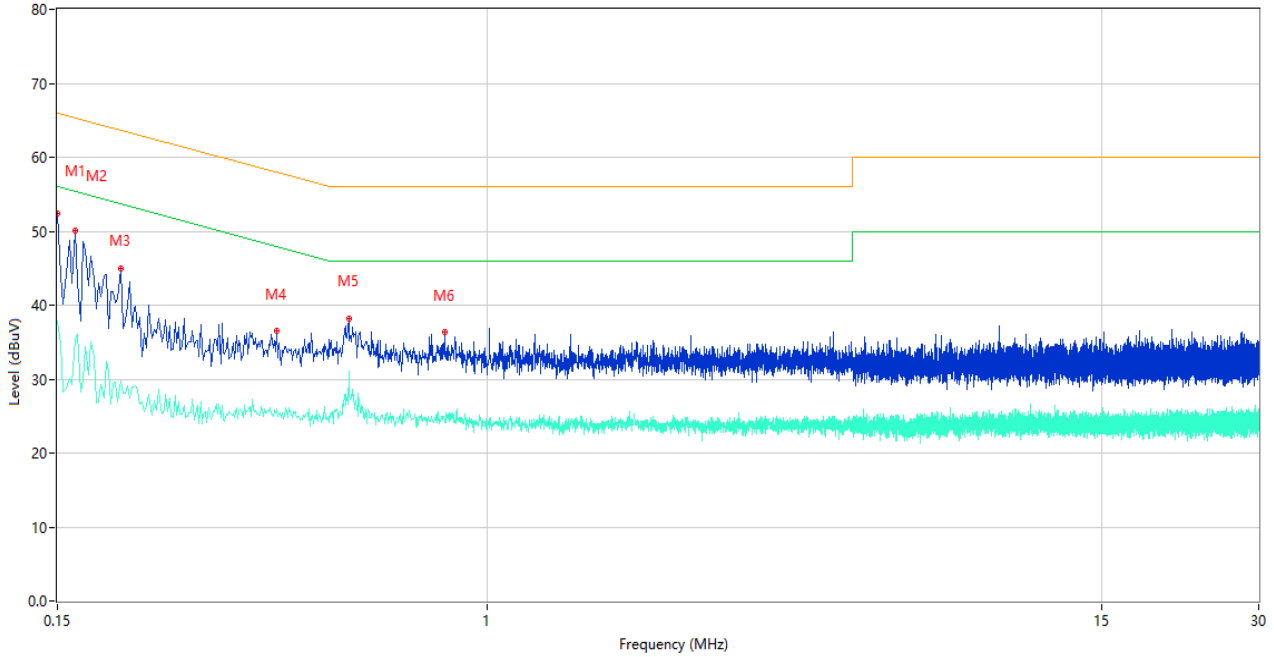
CE Test case_FCC_CE_FCC PART 15B_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-----------------|----------|------|---------|
| 1 | 0.156 | 43.32 | 10.09 | 65.67 | -22.35 | Peak | L | Pass |
| 1** | 0.156 | 32.13 | 10.09 | 55.67 | -23.54 | AV | L | Pass |
| 2 | 0.168 | 48.79 | 10.08 | 65.06 | -16.27 | Peak | L | Pass |
| 2** | 0.168 | 27.95 | 10.08 | 55.06 | -27.11 | AV | L | Pass |
| 3 | 0.188 | 44.82 | 10.06 | 64.12 | -19.30 | Peak | L | Pass |
| 3** | 0.188 | 26.38 | 10.06 | 54.12 | -27.74 | AV | L | Pass |
| 4 | 0.304 | 37.70 | 10.06 | 60.13 | -22.43 | Peak | L | Pass |
| 4** | 0.304 | 26.84 | 10.06 | 50.13 | -23.29 | AV | L | Pass |
| 5 | 0.532 | 38.29 | 10.20 | 56.00 | -17.71 | Peak | L | Pass |
| 5** | 0.532 | 28.26 | 10.20 | 46.00 | -17.74 | AV | L | Pass |
| 6 | 4.126 | 36.66 | 10.13 | 56.00 | -19.34 | Peak | L | Pass |
| 6** | 4.126 | 23.32 | 10.13 | 46.00 | -22.68 | AV | L | Pass |

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-----------------|----------|------|---------|
| 1 | 0.150 | 52.48 | 10.09 | 66.00 | -13.52 | Peak | N | Pass |
| 1** | 0.150 | 37.86 | 10.09 | 56.00 | -18.14 | AV | N | Pass |
| 2 | 0.162 | 50.13 | 10.08 | 65.36 | -15.23 | Peak | N | Pass |
| 2** | 0.162 | 35.50 | 10.08 | 55.36 | -19.86 | AV | N | Pass |
| 3 | 0.198 | 44.88 | 10.06 | 63.69 | -18.81 | Peak | N | Pass |
| 3** | 0.198 | 29.79 | 10.06 | 53.69 | -23.90 | AV | N | Pass |
| 4 | 0.394 | 36.48 | 10.78 | 57.98 | -21.50 | Peak | N | Pass |
| 4** | 0.394 | 25.94 | 10.78 | 47.98 | -22.04 | AV | N | Pass |
| 5 | 0.542 | 38.24 | 10.20 | 56.00 | -17.76 | Peak | N | Pass |
| 5** | 0.542 | 31.12 | 10.20 | 46.00 | -14.88 | AV | N | Pass |
| 6 | 0.828 | 36.41 | 10.72 | 56.00 | -19.59 | Peak | N | Pass |
| 6** | 0.828 | 24.55 | 10.72 | 46.00 | -21.45 | AV | N | Pass |

5.7 Radiated Spurious Emission

5.7.1 Limit

FCC §15.209&15.247(d)

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength ($\mu\text{V}/\text{m}$) | Measurement Distance (m) |
|-----------------|---|--------------------------|
| 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 |

Note:

- For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
- For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.7.2 Test Setup

See section 4.5.3 to 4.5.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX A.

5.7.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- f) Compare the resultant electric field strength level to the applicable limit.
- g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be

longer for low duty cycle applications).

Table 1—RBW as a function of frequency

| Frequency | RBW |
|-------------|-------------|
| 9-150 kHz | 200-300 Hz |
| 0.15-30 MHz | 9-10 kHz |
| 30-1000 MHz | 100-120 kHz |
| > 1000 MHz | 1 MHz |

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW \geq RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.7.4 Test Result

Note ¹: The symbol of "--" in the table which means not application.

Note ²: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

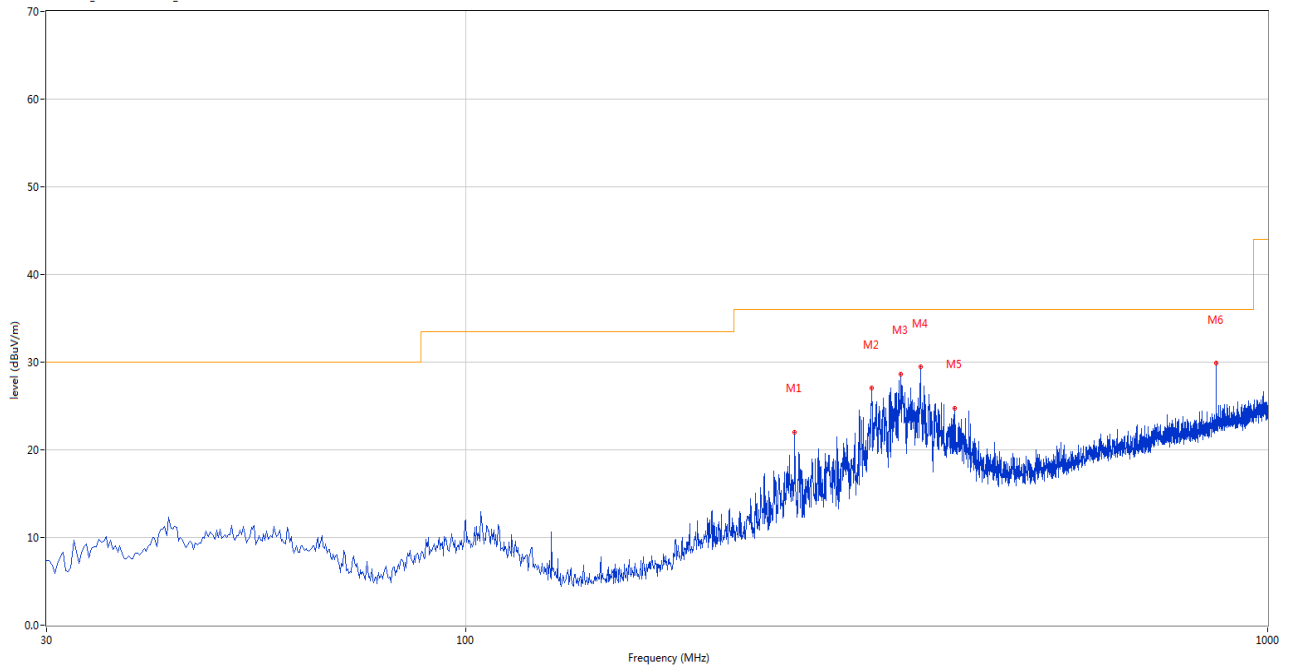
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

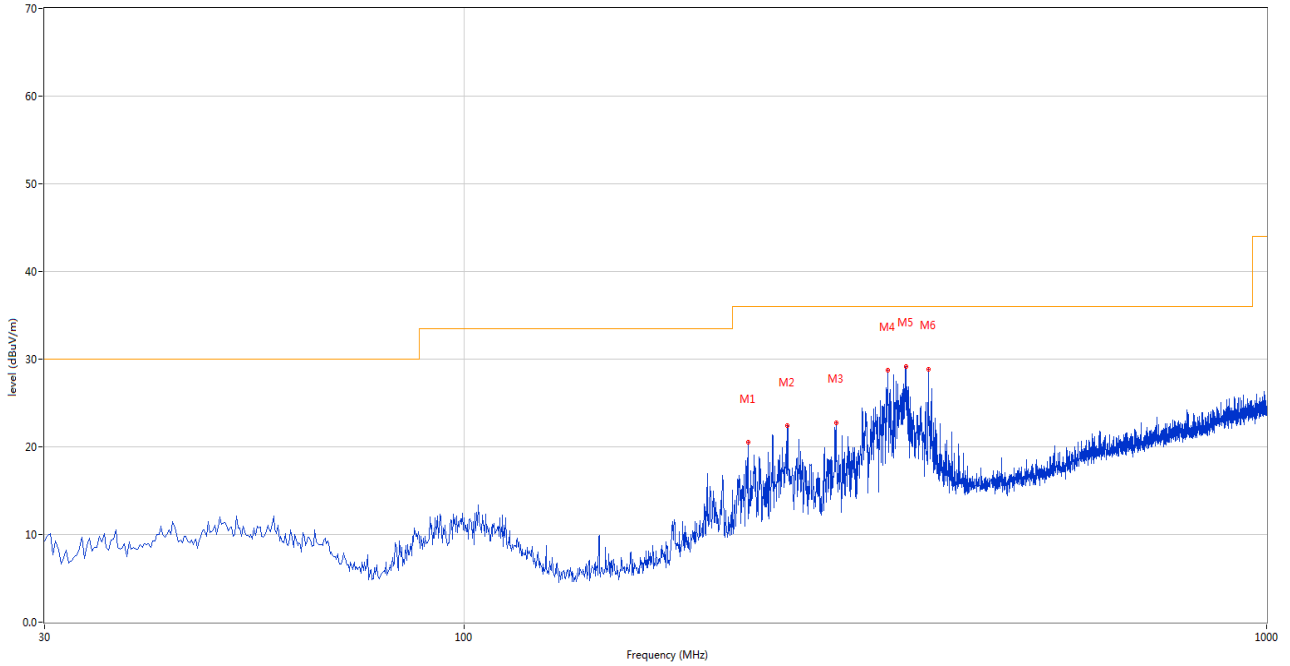
10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 256.923 | 22.04 | -25.97 | 36.0 | -13.96 | Peak | 161.00 | 200 | Horizontal | Pass |
| 2 | 320.685 | 27.03 | -24.49 | 36.0 | -8.97 | Peak | 0.00 | 200 | Horizontal | Pass |
| 3 | 349.050 | 28.66 | -23.47 | 36.0 | -7.34 | Peak | 70.00 | 200 | Horizontal | Pass |
| 4 | 369.173 | 29.42 | -23.42 | 36.0 | -6.58 | Peak | 4.00 | 200 | Horizontal | Pass |
| 5 | 407.478 | 24.76 | -22.26 | 36.0 | -11.24 | Peak | 226.00 | 200 | Horizontal | Pass |
| 6 | 863.022 | 29.85 | -13.08 | 36.0 | -6.15 | Peak | 134.00 | 100 | Horizontal | Pass |

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 225.891 | 20.53 | -27.10 | 36.0 | -15.47 | Peak | 245.00 | 100 | Vertical | Pass |
| 2 | 252.802 | 22.41 | -26.27 | 36.0 | -13.59 | Peak | 149.00 | 100 | Vertical | Pass |
| 3 | 290.622 | 22.75 | -25.23 | 36.0 | -13.25 | Peak | 359.00 | 100 | Vertical | Pass |
| 4 | 336.928 | 28.74 | -23.89 | 36.0 | -7.26 | Peak | 280.00 | 100 | Vertical | Pass |
| 5 | 355.354 | 29.18 | -23.18 | 36.0 | -6.82 | Peak | 285.00 | 100 | Vertical | Pass |
| 6 | 378.870 | 28.89 | -23.21 | 36.0 | -7.11 | Peak | 280.00 | 100 | Vertical | Pass |

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

Main Antenna

1 GHz to 18 GHz, ANT H 802.11b Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1599.400 | 40.95 | -17.61 | 74.0 | -33.05 | Peak | 149.00 | 200 | Horizontal | Pass |
| 1** | 1599.400 | 30.70 | -17.61 | 54.0 | -23.30 | AV | 149.00 | 200 | Horizontal | Pass |
| 2 | 2411.900 | 98.60 | -12.26 | 74.0 | 24.60 | Peak | 306.00 | 100 | Horizontal | N/A |
| 2** | 2411.900 | 93.79 | -12.26 | 54.0 | 39.79 | AV | 306.00 | 100 | Horizontal | N/A |
| 3 | 4853.800 | 50.67 | -3.17 | 74.0 | -23.33 | Peak | 232.00 | 100 | Horizontal | Pass |
| 3** | 4853.800 | 41.66 | -3.17 | 54.0 | -12.34 | AV | 232.00 | 100 | Horizontal | Pass |
| 4 | 6685.400 | 54.67 | -0.18 | 74.0 | -19.33 | Peak | 276.00 | 400 | Horizontal | Pass |
| 4** | 6685.400 | 45.43 | -0.18 | 54.0 | -8.57 | AV | 276.00 | 400 | Horizontal | Pass |
| 5 | 12712.337 | 53.03 | 1.01 | 74.0 | -20.97 | Peak | 236.00 | 300 | Horizontal | Pass |
| 5** | 12712.337 | 44.01 | 1.01 | 54.0 | -9.99 | AV | 236.00 | 300 | Horizontal | Pass |
| 6 | 17420.925 | 53.68 | 3.73 | 74.0 | -20.32 | Peak | 207.00 | 400 | Horizontal | Pass |
| 6** | 17420.925 | 44.73 | 3.73 | 54.0 | -9.27 | AV | 207.00 | 400 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11b Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1416.200 | 39.58 | -17.54 | 74.0 | -34.42 | Peak | 130.00 | 200 | Vertical | Pass |
| 1** | 1416.200 | 29.14 | -17.54 | 54.0 | -24.86 | AV | 130.00 | 200 | Vertical | Pass |
| 2 | 2412.000 | 103.30 | -12.26 | 74.0 | 29.30 | Peak | 195.00 | 100 | Vertical | N/A |
| 2** | 2412.000 | 98.79 | -12.26 | 54.0 | 44.79 | AV | 195.00 | 100 | Vertical | N/A |
| 3 | 3216.200 | 52.92 | -7.28 | 74.0 | -21.08 | Peak | 174.00 | 150 | Vertical | Pass |
| 3** | 3216.200 | 51.00 | -7.28 | 54.0 | -3.00 | AV | 174.00 | 150 | Vertical | N/A |
| 4 | 4824.200 | 51.13 | -3.39 | 74.0 | -22.87 | Peak | 297.00 | 150 | Vertical | Pass |
| 4** | 4824.200 | 47.82 | -3.39 | 54.0 | -6.18 | AV | 297.00 | 150 | Vertical | Pass |
| 5 | 8643.925 | 50.57 | -1.85 | 74.0 | -23.43 | Peak | 355.00 | 150 | Vertical | Pass |
| 5** | 8643.925 | 40.92 | -1.85 | 54.0 | -13.08 | AV | 355.00 | 150 | Vertical | Pass |
| 6 | 17205.150 | 53.33 | 1.64 | 74.0 | -20.67 | Peak | 0.00 | 300 | Vertical | Pass |
| 6** | 17205.150 | 44.47 | 1.64 | 54.0 | -9.53 | AV | 0.00 | 300 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1597.300 | 39.93 | -17.61 | 74.0 | -34.07 | Peak | 145.00 | 200 | Horizontal | Pass |
| 1** | 1597.300 | 30.21 | -17.61 | 54.0 | -23.79 | AV | 145.00 | 200 | Horizontal | Pass |
| 2 | 2437.000 | 97.86 | -12.65 | 74.0 | 23.86 | Peak | 28.00 | 150 | Horizontal | N/A |
| 2** | 2437.000 | 93.98 | -12.65 | 54.0 | 39.98 | AV | 28.00 | 150 | Horizontal | N/A |
| 3 | 4885.600 | 50.92 | -3.33 | 74.0 | -23.08 | Peak | 195.00 | 100 | Horizontal | Pass |
| 3** | 4885.600 | 41.18 | -3.33 | 54.0 | -12.82 | AV | 195.00 | 100 | Horizontal | Pass |
| 4 | 6605.600 | 53.68 | 0.09 | 74.0 | -20.32 | Peak | 18.00 | 200 | Horizontal | Pass |
| 4** | 6605.600 | 46.09 | 0.09 | 54.0 | -7.91 | AV | 18.00 | 200 | Horizontal | Pass |
| 5 | 12261.537 | 52.90 | 1.14 | 74.0 | -21.10 | Peak | 360.00 | 400 | Horizontal | Pass |
| 5** | 12261.537 | 43.46 | 1.14 | 54.0 | -10.54 | AV | 360.00 | 400 | Horizontal | Pass |
| 6 | 17209.874 | 53.08 | 1.49 | 74.0 | -20.92 | Peak | 106.00 | 400 | Horizontal | Pass |
| 6** | 17209.874 | 45.21 | 1.49 | 54.0 | -8.79 | AV | 106.00 | 400 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11b Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1196.200 | 40.84 | -17.93 | 74.0 | -33.16 | Peak | 272.00 | 200 | Vertical | Pass |
| 1** | 1196.200 | 33.36 | -17.93 | 54.0 | -20.64 | AV | 272.00 | 200 | Vertical | Pass |
| 2 | 2435.900 | 103.36 | -12.77 | 74.0 | 29.36 | Peak | 196.00 | 100 | Vertical | N/A |
| 2** | 2435.900 | 100.19 | -12.77 | 54.0 | 46.19 | AV | 196.00 | 100 | Vertical | N/A |
| 3 | 3249.600 | 52.47 | -8.56 | 74.0 | -21.53 | Peak | 175.00 | 150 | Vertical | Pass |
| 3** | 3249.600 | 51.44 | -8.56 | 54.0 | -2.56 | AV | 175.00 | 150 | Vertical | N/A |
| 4 | 4874.000 | 52.05 | -3.34 | 74.0 | -21.95 | Peak | 287.00 | 150 | Vertical | Pass |
| 4** | 4874.000 | 48.58 | -3.34 | 54.0 | -5.42 | AV | 287.00 | 150 | Vertical | Pass |
| 5 | 12330.250 | 52.96 | 1.41 | 74.0 | -21.04 | Peak | 218.00 | 300 | Vertical | Pass |
| 5** | 12330.250 | 43.84 | 1.41 | 54.0 | -10.16 | AV | 218.00 | 300 | Vertical | Pass |
| 6 | 17424.337 | 53.17 | 3.64 | 74.0 | -20.83 | Peak | 24.00 | 150 | Vertical | Pass |
| 6** | 17424.337 | 46.40 | 3.64 | 54.0 | -7.60 | AV | 24.00 | 150 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11b High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1395.900 | 40.06 | -17.49 | 74.0 | -33.94 | Peak | 183.00 | 300 | Horizontal | Pass |
| 1** | 1395.900 | 29.28 | -17.49 | 54.0 | -24.72 | AV | 183.00 | 300 | Horizontal | Pass |
| 2 | 2461.900 | 98.46 | -12.77 | 74.0 | 24.46 | Peak | 302.00 | 100 | Horizontal | N/A |
| 2** | 2461.900 | 94.02 | -12.77 | 54.0 | 40.02 | AV | 302.00 | 100 | Horizontal | N/A |
| 3 | 4913.600 | 50.76 | -2.25 | 74.0 | -23.24 | Peak | 174.00 | 200 | Horizontal | Pass |
| 3** | 4913.600 | 42.10 | -2.25 | 54.0 | -11.90 | AV | 174.00 | 200 | Horizontal | Pass |
| 4 | 6606.000 | 53.83 | 0.12 | 74.0 | -20.17 | Peak | 0.00 | 100 | Horizontal | Pass |
| 4** | 6606.000 | 44.82 | 0.12 | 54.0 | -9.18 | AV | 0.00 | 100 | Horizontal | Pass |
| 5 | 12226.175 | 52.84 | 1.31 | 74.0 | -21.16 | Peak | 117.00 | 100 | Horizontal | Pass |
| 5** | 12226.175 | 43.99 | 1.31 | 54.0 | -10.01 | AV | 117.00 | 100 | Horizontal | Pass |
| 6 | 17416.462 | 53.05 | 3.67 | 74.0 | -20.95 | Peak | 286.00 | 400 | Horizontal | Pass |
| 6** | 17416.462 | 45.44 | 3.67 | 54.0 | -8.56 | AV | 286.00 | 400 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11b High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1391.900 | 40.73 | -17.48 | 74.0 | -33.27 | Peak | 147.00 | 100 | Vertical | Pass |
| 1** | 1391.900 | 31.82 | -17.48 | 54.0 | -22.18 | AV | 147.00 | 100 | Vertical | Pass |
| 2 | 2463.400 | 103.56 | -12.79 | 74.0 | 29.56 | Peak | 192.00 | 200 | Vertical | N/A |
| 2** | 2463.400 | 100.39 | -12.79 | 54.0 | 46.39 | AV | 192.00 | 200 | Vertical | N/A |
| 3 | 3283.000 | 52.72 | -8.14 | 74.0 | -21.28 | Peak | 184.00 | 150 | Vertical | Pass |
| 3** | 3283.000 | 52.34 | -8.14 | 54.0 | -1.66 | AV | 184.00 | 150 | Vertical | N/A |
| 4 | 4924.200 | 51.03 | -2.60 | 74.0 | -22.97 | Peak | 40.00 | 150 | Vertical | Pass |
| 4** | 4924.200 | 48.27 | -2.60 | 54.0 | -5.73 | AV | 40.00 | 150 | Vertical | Pass |
| 5 | 12296.325 | 53.50 | 1.55 | 74.0 | -20.50 | Peak | 30.00 | 200 | Vertical | Pass |
| 5** | 12296.325 | 43.53 | 1.55 | 54.0 | -10.47 | AV | 30.00 | 200 | Vertical | Pass |
| 6 | 17320.124 | 52.78 | 1.34 | 74.0 | -21.22 | Peak | 169.00 | 100 | Vertical | Pass |
| 6** | 17320.124 | 43.83 | 1.34 | 54.0 | -10.17 | AV | 169.00 | 100 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11g Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1395.400 | 41.01 | -17.52 | 74.0 | -32.99 | Peak | 191.00 | 400 | Horizontal | Pass |
| 1** | 1395.400 | 29.71 | -17.52 | 54.0 | -24.29 | AV | 191.00 | 400 | Horizontal | Pass |
| 2 | 2418.700 | 100.02 | -12.27 | 74.0 | 26.02 | Peak | 309.00 | 150 | Horizontal | N/A |
| 2** | 2418.700 | 92.52 | -12.27 | 54.0 | 38.52 | AV | 309.00 | 150 | Horizontal | N/A |
| 3 | 4917.200 | 50.71 | -2.24 | 74.0 | -23.29 | Peak | 264.00 | 150 | Horizontal | Pass |
| 3** | 4917.200 | 41.74 | -2.24 | 54.0 | -12.26 | AV | 264.00 | 150 | Horizontal | Pass |
| 4 | 6694.600 | 53.83 | -0.39 | 74.0 | -20.17 | Peak | 197.00 | 300 | Horizontal | Pass |
| 4** | 6694.600 | 43.99 | -0.39 | 54.0 | -10.01 | AV | 197.00 | 300 | Horizontal | Pass |
| 5 | 12565.713 | 53.48 | 1.71 | 74.0 | -20.52 | Peak | 183.00 | 100 | Horizontal | Pass |
| 5** | 12565.713 | 42.49 | 1.71 | 54.0 | -11.51 | AV | 183.00 | 100 | Horizontal | Pass |
| 6 | 17189.925 | 53.03 | 2.34 | 74.0 | -20.97 | Peak | 188.00 | 300 | Horizontal | Pass |
| 6** | 17189.925 | 44.53 | 2.34 | 54.0 | -9.47 | AV | 188.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11g Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1388.400 | 40.29 | -17.44 | 74.0 | -33.71 | Peak | 162.00 | 300 | Vertical | Pass |
| 1** | 1388.400 | 30.63 | -17.44 | 54.0 | -23.37 | AV | 162.00 | 300 | Vertical | Pass |
| 2 | 2418.800 | 105.30 | -12.27 | 74.0 | 31.30 | Peak | 188.00 | 100 | Vertical | N/A |
| 2** | 2418.800 | 98.21 | -12.27 | 54.0 | 44.21 | AV | 188.00 | 100 | Vertical | N/A |
| 3 | 3216.200 | 52.34 | -7.28 | 74.0 | -21.66 | Peak | 175.00 | 150 | Vertical | Pass |
| 3** | 3216.200 | 50.69 | -7.28 | 54.0 | -3.31 | AV | 175.00 | 150 | Vertical | N/A |
| 4 | 4824.200 | 51.29 | -3.39 | 74.0 | -22.71 | Peak | 276.00 | 150 | Vertical | Pass |
| 4** | 4824.200 | 46.61 | -3.39 | 54.0 | -7.39 | AV | 276.00 | 150 | Vertical | Pass |
| 5 | 6684.600 | 54.36 | -0.26 | 74.0 | -19.64 | Peak | 141.00 | 100 | Vertical | Pass |
| 5** | 6684.600 | 45.01 | -0.26 | 54.0 | -8.99 | AV | 141.00 | 100 | Vertical | Pass |
| 6 | 16093.463 | 52.24 | 1.36 | 74.0 | -21.76 | Peak | 0.00 | 150 | Vertical | Pass |
| 6** | 16093.463 | 43.79 | 1.36 | 54.0 | -10.21 | AV | 0.00 | 150 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11g Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1393.800 | 42.83 | -17.56 | 74.0 | -31.17 | Peak | 351.00 | 300 | Horizontal | Pass |
| 1** | 1393.800 | 29.43 | -17.56 | 54.0 | -24.57 | AV | 351.00 | 300 | Horizontal | Pass |
| 2 | 2443.900 | 99.17 | -12.78 | 74.0 | 25.17 | Peak | 21.00 | 200 | Horizontal | N/A |
| 2** | 2443.900 | 92.28 | -12.78 | 54.0 | 38.28 | AV | 21.00 | 200 | Horizontal | N/A |
| 3 | 4801.200 | 51.08 | -2.58 | 74.0 | -22.92 | Peak | 218.00 | 200 | Horizontal | Pass |
| 3** | 4801.200 | 41.71 | -2.58 | 54.0 | -12.29 | AV | 218.00 | 200 | Horizontal | Pass |
| 4 | 6293.800 | 53.69 | -0.46 | 74.0 | -20.31 | Peak | 218.00 | 300 | Horizontal | Pass |
| 4** | 6293.800 | 43.64 | -0.46 | 54.0 | -10.36 | AV | 218.00 | 300 | Horizontal | Pass |
| 5 | 12725.276 | 52.81 | 1.25 | 74.0 | -21.19 | Peak | 359.00 | 300 | Horizontal | Pass |
| 5** | 12725.276 | 44.16 | 1.25 | 54.0 | -9.84 | AV | 359.00 | 300 | Horizontal | Pass |
| 6 | 17400.975 | 53.20 | 3.20 | 74.0 | -20.80 | Peak | 285.00 | 200 | Horizontal | Pass |
| 6** | 17400.975 | 44.45 | 3.20 | 54.0 | -9.55 | AV | 285.00 | 200 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11g Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1199.900 | 41.66 | -17.84 | 74.0 | -32.34 | Peak | 55.00 | 300 | Vertical | Pass |
| 1** | 1199.900 | 31.34 | -17.84 | 54.0 | -22.66 | AV | 55.00 | 300 | Vertical | Pass |
| 2 | 2429.700 | 105.05 | -12.79 | 74.0 | 31.05 | Peak | 196.00 | 200 | Vertical | N/A |
| 2** | 2429.700 | 97.78 | -12.79 | 54.0 | 43.78 | AV | 196.00 | 200 | Vertical | N/A |
| 3 | 3249.600 | 52.20 | -8.56 | 74.0 | -21.80 | Peak | 165.00 | 150 | Vertical | Pass |
| 3** | 3249.600 | 51.16 | -8.56 | 54.0 | -2.84 | AV | 165.00 | 150 | Vertical | N/A |
| 4 | 4874.000 | 50.49 | -3.34 | 74.0 | -23.51 | Peak | 187.00 | 150 | Vertical | Pass |
| 4** | 4874.000 | 45.36 | -3.34 | 54.0 | -8.64 | AV | 187.00 | 150 | Vertical | Pass |
| 5 | 12730.162 | 53.01 | 1.30 | 74.0 | -20.99 | Peak | 264.00 | 200 | Vertical | Pass |
| 5** | 12730.162 | 43.57 | 1.30 | 54.0 | -10.43 | AV | 264.00 | 200 | Vertical | Pass |
| 6 | 17485.238 | 53.70 | 2.50 | 74.0 | -20.30 | Peak | 112.00 | 100 | Vertical | Pass |
| 6** | 17485.238 | 43.52 | 2.50 | 54.0 | -10.48 | AV | 112.00 | 100 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11g High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1394.000 | 41.47 | -17.57 | 74.0 | -32.53 | Peak | 192.00 | 200 | Horizontal | Pass |
| 1** | 1394.000 | 29.25 | -17.57 | 54.0 | -24.75 | AV | 192.00 | 200 | Horizontal | Pass |
| 2 | 2466.400 | 99.44 | -12.68 | 74.0 | 25.44 | Peak | 301.00 | 200 | Horizontal | N/A |
| 2** | 2466.400 | 92.01 | -12.68 | 54.0 | 38.01 | AV | 301.00 | 200 | Horizontal | N/A |
| 3 | 5049.200 | 51.58 | -2.80 | 74.0 | -22.42 | Peak | 236.00 | 150 | Horizontal | Pass |
| 3** | 5049.200 | 41.97 | -2.80 | 54.0 | -12.03 | AV | 236.00 | 150 | Horizontal | Pass |
| 4 | 6681.200 | 54.45 | -0.51 | 74.0 | -19.55 | Peak | 311.00 | 300 | Horizontal | Pass |
| 4** | 6681.200 | 44.51 | -0.51 | 54.0 | -9.49 | AV | 311.00 | 300 | Horizontal | Pass |
| 5 | 11209.287 | 53.22 | -0.22 | 74.0 | -20.78 | Peak | 159.00 | 200 | Horizontal | Pass |
| 5** | 11209.287 | 42.21 | -0.22 | 54.0 | -11.79 | AV | 159.00 | 200 | Horizontal | Pass |
| 6 | 17457.150 | 53.71 | 2.84 | 74.0 | -20.29 | Peak | 45.00 | 200 | Horizontal | Pass |
| 6** | 17457.150 | 44.43 | 2.84 | 54.0 | -9.57 | AV | 45.00 | 200 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11g High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1396.400 | 42.07 | -17.47 | 74.0 | -31.93 | Peak | 153.00 | 300 | Vertical | Pass |
| 1** | 1396.400 | 28.88 | -17.47 | 54.0 | -25.12 | AV | 153.00 | 300 | Vertical | Pass |
| 2 | 2468.500 | 105.56 | -12.60 | 74.0 | 31.56 | Peak | 192.00 | 200 | Vertical | N/A |
| 2** | 2468.500 | 98.35 | -12.60 | 54.0 | 44.35 | AV | 192.00 | 200 | Vertical | N/A |
| 3 | 3282.800 | 53.15 | -8.13 | 74.0 | -20.85 | Peak | 177.00 | 150 | Vertical | Pass |
| 3** | 3282.800 | 52.01 | -8.13 | 54.0 | -1.99 | AV | 177.00 | 150 | Vertical | N/A |
| 4 | 6686.000 | 53.74 | -0.20 | 74.0 | -20.26 | Peak | 319.00 | 200 | Vertical | Pass |
| 4** | 6686.000 | 45.54 | -0.20 | 54.0 | -8.46 | AV | 319.00 | 200 | Vertical | Pass |
| 5 | 12236.526 | 52.64 | 1.13 | 74.0 | -21.36 | Peak | 298.00 | 200 | Vertical | Pass |
| 5** | 12236.526 | 43.57 | 1.13 | 54.0 | -10.43 | AV | 298.00 | 200 | Vertical | Pass |
| 6 | 16089.000 | 53.45 | 1.45 | 74.0 | -20.55 | Peak | 0.00 | 100 | Vertical | Pass |
| 6** | 16089.000 | 44.34 | 1.45 | 54.0 | -9.66 | AV | 0.00 | 100 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1503.800 | 39.61 | -17.56 | 74.0 | -34.39 | Peak | 345.00 | 400 | Horizontal | Pass |
| 1** | 1503.800 | 29.67 | -17.56 | 54.0 | -24.33 | AV | 345.00 | 400 | Horizontal | Pass |
| 2 | 2406.400 | 98.96 | -12.31 | 74.0 | 24.96 | Peak | 306.00 | 200 | Horizontal | N/A |
| 2** | 2406.400 | 91.33 | -12.31 | 54.0 | 37.33 | AV | 306.00 | 200 | Horizontal | N/A |
| 3 | 4577.400 | 50.59 | -3.81 | 74.0 | -23.41 | Peak | 0.00 | 100 | Horizontal | Pass |
| 3** | 4577.400 | 40.50 | -3.81 | 54.0 | -13.50 | AV | 0.00 | 100 | Horizontal | Pass |
| 4 | 6684.000 | 54.19 | -0.32 | 74.0 | -19.81 | Peak | 360.00 | 200 | Horizontal | Pass |
| 4** | 6684.000 | 45.22 | -0.32 | 54.0 | -8.78 | AV | 360.00 | 200 | Horizontal | Pass |
| 5 | 10382.437 | 51.15 | 0.16 | 74.0 | -22.85 | Peak | 302.00 | 150 | Horizontal | Pass |
| 5** | 10382.437 | 42.51 | 0.16 | 54.0 | -11.49 | AV | 302.00 | 150 | Horizontal | Pass |
| 6 | 13303.612 | 53.24 | 0.87 | 74.0 | -20.76 | Peak | 188.00 | 100 | Horizontal | Pass |
| 6** | 13303.612 | 44.43 | 0.87 | 54.0 | -9.57 | AV | 188.00 | 100 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1398.000 | 41.48 | -17.49 | 74.0 | -32.52 | Peak | 295.00 | 200 | Vertical | Pass |
| 1** | 1398.000 | 29.39 | -17.49 | 54.0 | -24.61 | AV | 295.00 | 200 | Vertical | Pass |
| 2 | 2419.300 | 104.37 | -12.31 | 74.0 | 30.37 | Peak | 198.00 | 200 | Vertical | N/A |
| 2** | 2419.300 | 96.51 | -12.31 | 54.0 | 42.51 | AV | 198.00 | 200 | Vertical | N/A |
| 3 | 3216.200 | 52.59 | -7.28 | 74.0 | -21.41 | Peak | 176.00 | 150 | Vertical | Pass |
| 3** | 3216.200 | 51.54 | -7.28 | 54.0 | -2.46 | AV | 176.00 | 150 | Vertical | N/A |
| 4 | 6596.000 | 53.37 | -0.89 | 74.0 | -20.63 | Peak | 65.00 | 200 | Vertical | Pass |
| 4** | 6596.000 | 43.94 | -0.89 | 54.0 | -10.06 | AV | 65.00 | 200 | Vertical | Pass |
| 5 | 12297.475 | 53.56 | 1.53 | 74.0 | -20.44 | Peak | 334.00 | 300 | Vertical | Pass |
| 5** | 12297.475 | 43.28 | 1.53 | 54.0 | -10.72 | AV | 334.00 | 300 | Vertical | Pass |
| 6 | 17200.425 | 52.93 | 1.87 | 74.0 | -21.07 | Peak | 286.00 | 300 | Vertical | Pass |
| 6** | 17200.425 | 44.36 | 1.87 | 54.0 | -9.64 | AV | 286.00 | 300 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1197.000 | 39.89 | -17.92 | 74.0 | -34.11 | Peak | 195.00 | 300 | Horizontal | Pass |
| 1** | 1197.000 | 29.17 | -17.92 | 54.0 | -24.83 | AV | 195.00 | 300 | Horizontal | Pass |
| 2 | 2443.000 | 98.42 | -12.85 | 74.0 | 24.42 | Peak | 304.00 | 200 | Horizontal | N/A |
| 2** | 2443.000 | 90.66 | -12.85 | 54.0 | 36.66 | AV | 304.00 | 200 | Horizontal | N/A |
| 3 | 4916.400 | 50.97 | -2.30 | 74.0 | -23.03 | Peak | 215.00 | 100 | Horizontal | Pass |
| 3** | 4916.400 | 41.96 | -2.30 | 54.0 | -12.04 | AV | 215.00 | 100 | Horizontal | Pass |
| 4 | 6999.400 | 53.89 | 0.24 | 74.0 | -20.11 | Peak | 117.00 | 300 | Horizontal | Pass |
| 4** | 6999.400 | 44.39 | 0.24 | 54.0 | -9.61 | AV | 117.00 | 300 | Horizontal | Pass |
| 5 | 12234.225 | 53.14 | 1.18 | 74.0 | -20.86 | Peak | 96.00 | 100 | Horizontal | Pass |
| 5** | 12234.225 | 43.43 | 1.18 | 54.0 | -10.57 | AV | 96.00 | 100 | Horizontal | Pass |
| 6 | 17085.449 | 53.00 | 1.44 | 74.0 | -21.00 | Peak | 246.00 | 200 | Horizontal | Pass |
| 6** | 17085.449 | 43.03 | 1.44 | 54.0 | -10.97 | AV | 246.00 | 200 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1196.500 | 43.84 | -17.94 | 74.0 | -30.16 | Peak | 292.00 | 100 | Vertical | Pass |
| 1** | 1196.500 | 30.23 | -17.94 | 54.0 | -23.77 | AV | 292.00 | 100 | Vertical | Pass |
| 2 | 2431.000 | 104.69 | -12.78 | 74.0 | 30.69 | Peak | 196.00 | 100 | Vertical | N/A |
| 2** | 2431.000 | 97.14 | -12.78 | 54.0 | 43.14 | AV | 196.00 | 100 | Vertical | N/A |
| 3 | 3249.600 | 52.50 | -8.56 | 74.0 | -21.50 | Peak | 165.00 | 150 | Vertical | Pass |
| 3** | 3249.600 | 51.31 | -8.56 | 54.0 | -2.69 | AV | 165.00 | 150 | Vertical | N/A |
| 4 | 6664.200 | 53.51 | -0.85 | 74.0 | -20.49 | Peak | 243.00 | 400 | Vertical | Pass |
| 4** | 6664.200 | 44.14 | -0.85 | 54.0 | -9.86 | AV | 243.00 | 400 | Vertical | Pass |
| 5 | 11635.363 | 52.64 | -0.22 | 74.0 | -21.36 | Peak | 319.00 | 300 | Vertical | Pass |
| 5** | 11635.363 | 42.63 | -0.22 | 54.0 | -11.37 | AV | 319.00 | 300 | Vertical | Pass |
| 6 | 17414.099 | 53.64 | 3.60 | 74.0 | -20.36 | Peak | 152.00 | 200 | Vertical | Pass |
| 6** | 17414.099 | 45.60 | 3.60 | 54.0 | -8.40 | AV | 152.00 | 200 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n20 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1403.600 | 40.85 | -17.44 | 74.0 | -33.15 | Peak | 42.00 | 400 | Horizontal | Pass |
| 1** | 1403.600 | 30.82 | -17.44 | 54.0 | -23.18 | AV | 42.00 | 400 | Horizontal | Pass |
| 2 | 2456.600 | 98.09 | -12.74 | 74.0 | 24.09 | Peak | 304.00 | 100 | Horizontal | N/A |
| 2** | 2456.600 | 90.97 | -12.74 | 54.0 | 36.97 | AV | 304.00 | 100 | Horizontal | N/A |
| 3 | 4834.000 | 51.09 | -3.49 | 74.0 | -22.91 | Peak | 177.00 | 150 | Horizontal | Pass |
| 3** | 4834.000 | 41.65 | -3.49 | 54.0 | -12.35 | AV | 177.00 | 150 | Horizontal | Pass |
| 4 | 6679.200 | 53.65 | -0.54 | 74.0 | -20.35 | Peak | 320.00 | 100 | Horizontal | Pass |
| 4** | 6679.200 | 44.66 | -0.54 | 54.0 | -9.34 | AV | 320.00 | 100 | Horizontal | Pass |
| 5 | 12343.474 | 52.99 | 1.28 | 74.0 | -21.01 | Peak | 338.00 | 100 | Horizontal | Pass |
| 5** | 12343.474 | 43.81 | 1.28 | 54.0 | -10.19 | AV | 338.00 | 100 | Horizontal | Pass |
| 6 | 17198.062 | 53.47 | 2.01 | 74.0 | -20.53 | Peak | 53.00 | 300 | Horizontal | Pass |
| 6** | 17198.062 | 45.00 | 2.01 | 54.0 | -9.00 | AV | 53.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n20 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1194.900 | 39.40 | -17.88 | 74.0 | -34.60 | Peak | 48.00 | 300 | Vertical | Pass |
| 1** | 1194.900 | 30.34 | -17.88 | 54.0 | -23.66 | AV | 48.00 | 300 | Vertical | Pass |
| 2 | 2467.400 | 104.42 | -12.63 | 74.0 | 30.42 | Peak | 192.00 | 200 | Vertical | N/A |
| 2** | 2467.400 | 97.38 | -12.63 | 54.0 | 43.38 | AV | 192.00 | 200 | Vertical | N/A |
| 3 | 3282.800 | 53.22 | -8.13 | 74.0 | -20.78 | Peak | 176.00 | 150 | Vertical | Pass |
| 3** | 3282.800 | 52.30 | -8.13 | 54.0 | -1.70 | AV | 176.00 | 150 | Vertical | N/A |
| 4 | 6686.400 | 53.80 | -0.21 | 74.0 | -20.20 | Peak | 132.00 | 200 | Vertical | Pass |
| 4** | 6686.400 | 45.23 | -0.21 | 54.0 | -8.77 | AV | 132.00 | 200 | Vertical | Pass |
| 5 | 12325.075 | 53.69 | 1.42 | 74.0 | -20.31 | Peak | 98.00 | 300 | Vertical | Pass |
| 5** | 12325.075 | 43.91 | 1.42 | 54.0 | -10.09 | AV | 98.00 | 300 | Vertical | Pass |
| 6 | 17366.850 | 53.52 | 2.37 | 74.0 | -20.48 | Peak | 325.00 | 300 | Vertical | Pass |
| 6** | 17366.850 | 44.36 | 2.37 | 54.0 | -9.64 | AV | 325.00 | 300 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1395.000 | 40.92 | -17.54 | 74.0 | -33.08 | Peak | 38.00 | 200 | Horizontal | Pass |
| 1** | 1395.000 | 29.23 | -17.54 | 54.0 | -24.77 | AV | 38.00 | 200 | Horizontal | Pass |
| 2 | 2406.600 | 96.15 | -12.31 | 74.0 | 22.15 | Peak | 303.00 | 100 | Horizontal | N/A |
| 2** | 2406.600 | 88.30 | -12.31 | 54.0 | 34.30 | AV | 303.00 | 100 | Horizontal | N/A |
| 3 | 4904.200 | 51.46 | -2.59 | 74.0 | -22.54 | Peak | 333.00 | 150 | Horizontal | Pass |
| 3** | 4904.200 | 41.41 | -2.59 | 54.0 | -12.59 | AV | 333.00 | 150 | Horizontal | Pass |
| 4 | 6683.200 | 53.20 | -0.40 | 74.0 | -20.80 | Peak | 269.00 | 400 | Horizontal | Pass |
| 4** | 6683.200 | 45.20 | -0.40 | 54.0 | -8.80 | AV | 269.00 | 400 | Horizontal | Pass |
| 5 | 11938.388 | 52.65 | 1.69 | 74.0 | -21.35 | Peak | 176.00 | 300 | Horizontal | Pass |
| 5** | 11938.388 | 43.63 | 1.69 | 54.0 | -10.37 | AV | 176.00 | 300 | Horizontal | Pass |
| 6 | 17420.136 | 53.90 | 3.75 | 74.0 | -20.10 | Peak | 177.00 | 100 | Horizontal | Pass |
| 6** | 17420.136 | 45.44 | 3.75 | 54.0 | -8.56 | AV | 177.00 | 100 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1197.800 | 41.48 | -17.87 | 74.0 | -32.52 | Peak | 298.00 | 400 | Vertical | Pass |
| 1** | 1197.800 | 29.85 | -17.87 | 54.0 | -24.15 | AV | 298.00 | 400 | Vertical | Pass |
| 2 | 2438.000 | 101.99 | -12.60 | 74.0 | 27.99 | Peak | 196.00 | 150 | Vertical | N/A |
| 2** | 2438.000 | 95.45 | -12.60 | 54.0 | 41.45 | AV | 196.00 | 150 | Vertical | N/A |
| 3 | 3229.400 | 53.32 | -7.27 | 74.0 | -20.68 | Peak | 177.00 | 150 | Vertical | Pass |
| 3** | 3229.400 | 51.33 | -7.27 | 54.0 | -2.67 | AV | 177.00 | 150 | Vertical | N/A |
| 4 | 5200.600 | 48.30 | -2.61 | 74.0 | -25.70 | Peak | 253.00 | 400 | Vertical | Pass |
| 4** | 5200.600 | 42.83 | -2.61 | 54.0 | -11.17 | AV | 253.00 | 400 | Vertical | Pass |
| 5 | 12086.162 | 52.95 | 0.54 | 74.0 | -21.05 | Peak | 30.00 | 400 | Vertical | Pass |
| 5** | 12086.162 | 42.70 | 0.54 | 54.0 | -11.30 | AV | 30.00 | 400 | Vertical | Pass |
| 6 | 17415.412 | 52.81 | 3.65 | 74.0 | -21.19 | Peak | 0.00 | 200 | Vertical | Pass |
| 6** | 17415.412 | 44.99 | 3.65 | 54.0 | -9.01 | AV | 0.00 | 200 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1399.000 | 44.48 | -17.47 | 74.0 | -29.52 | Peak | 175.00 | 300 | Horizontal | Pass |
| 1** | 1399.000 | 36.75 | -17.47 | 54.0 | -17.25 | AV | 175.00 | 300 | Horizontal | Pass |
| 2 | 2421.800 | 97.25 | -12.52 | 74.0 | 23.25 | Peak | 306.00 | 150 | Horizontal | N/A |
| 2** | 2421.800 | 89.33 | -12.52 | 54.0 | 35.33 | AV | 306.00 | 150 | Horizontal | N/A |
| 3 | 4760.600 | 51.11 | -3.34 | 74.0 | -22.89 | Peak | 150.00 | 150 | Horizontal | Pass |
| 3** | 4760.600 | 41.08 | -3.34 | 54.0 | -12.92 | AV | 150.00 | 150 | Horizontal | Pass |
| 4 | 6614.000 | 53.47 | 0.18 | 74.0 | -20.53 | Peak | 102.00 | 300 | Horizontal | Pass |
| 4** | 6614.000 | 44.87 | 0.18 | 54.0 | -9.13 | AV | 102.00 | 300 | Horizontal | Pass |
| 5 | 12594.175 | 53.12 | 1.76 | 74.0 | -20.88 | Peak | 220.00 | 200 | Horizontal | Pass |
| 5** | 12594.175 | 43.80 | 1.76 | 54.0 | -10.20 | AV | 220.00 | 200 | Horizontal | Pass |
| 6 | 15241.125 | 53.54 | 0.94 | 74.0 | -20.46 | Peak | 247.00 | 300 | Horizontal | Pass |
| 6** | 15241.125 | 44.71 | 0.94 | 54.0 | -9.29 | AV | 247.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1197.600 | 40.27 | -17.88 | 74.0 | -33.73 | Peak | 196.00 | 200 | Vertical | Pass |
| 1** | 1197.600 | 29.60 | -17.88 | 54.0 | -24.40 | AV | 196.00 | 200 | Vertical | Pass |
| 2 | 2421.300 | 102.13 | -12.47 | 74.0 | 28.13 | Peak | 196.00 | 150 | Vertical | N/A |
| 2** | 2421.300 | 94.71 | -12.47 | 54.0 | 40.71 | AV | 196.00 | 150 | Vertical | N/A |
| 3 | 3249.400 | 52.90 | -8.56 | 74.0 | -21.10 | Peak | 175.00 | 150 | Vertical | Pass |
| 3** | 3249.400 | 51.32 | -8.56 | 54.0 | -2.68 | AV | 175.00 | 150 | Vertical | N/A |
| 4 | 6998.600 | 53.73 | 0.23 | 74.0 | -20.27 | Peak | 331.00 | 400 | Vertical | Pass |
| 4** | 6998.600 | 45.31 | 0.23 | 54.0 | -8.69 | AV | 331.00 | 400 | Vertical | Pass |
| 5 | 12218.988 | 52.63 | 1.22 | 74.0 | -21.37 | Peak | 360.00 | 100 | Vertical | Pass |
| 5** | 12218.988 | 43.69 | 1.22 | 54.0 | -10.31 | AV | 360.00 | 100 | Vertical | Pass |
| 6 | 17406.751 | 53.24 | 3.36 | 74.0 | -20.76 | Peak | 10.00 | 400 | Vertical | Pass |
| 6** | 17406.751 | 45.11 | 3.36 | 54.0 | -8.89 | AV | 10.00 | 400 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n40 High Channel

| No. | Frequency (MHz) | Results (dBUV/m) | Factor (dB) | Limit (dBUV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1395.200 | 41.77 | -17.53 | 74.0 | -32.23 | Peak | 149.00 | 200 | Horizontal | Pass |
| 1** | 1395.200 | 30.73 | -17.53 | 54.0 | -23.27 | AV | 149.00 | 200 | Horizontal | Pass |
| 2 | 2467.000 | 95.67 | -12.65 | 74.0 | 21.67 | Peak | 293.00 | 100 | Horizontal | N/A |
| 2** | 2467.000 | 88.66 | -12.65 | 54.0 | 34.66 | AV | 293.00 | 100 | Horizontal | N/A |
| 3 | 4647.000 | 49.77 | -3.67 | 74.0 | -24.23 | Peak | 267.00 | 150 | Horizontal | Pass |
| 3** | 4647.000 | 40.18 | -3.67 | 54.0 | -13.82 | AV | 267.00 | 150 | Horizontal | Pass |
| 4 | 6687.000 | 54.42 | -0.22 | 74.0 | -19.58 | Peak | 122.00 | 100 | Horizontal | Pass |
| 4** | 6687.000 | 44.95 | -0.22 | 54.0 | -9.05 | AV | 122.00 | 100 | Horizontal | Pass |
| 5 | 12546.737 | 52.55 | 1.40 | 74.0 | -21.45 | Peak | 44.00 | 300 | Horizontal | Pass |
| 5** | 12546.737 | 43.62 | 1.40 | 54.0 | -10.38 | AV | 44.00 | 300 | Horizontal | Pass |
| 6 | 16387.463 | 53.25 | 1.65 | 74.0 | -20.75 | Peak | 94.00 | 400 | Horizontal | Pass |
| 6** | 16387.463 | 43.39 | 1.65 | 54.0 | -10.61 | AV | 94.00 | 400 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n40 High Channel

| No. | Frequency (MHz) | Results (dBUV/m) | Factor (dB) | Limit (dBUV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1180.200 | 39.76 | -18.02 | 74.0 | -34.24 | Peak | 89.00 | 300 | Vertical | Pass |
| 1** | 1180.200 | 29.19 | -18.02 | 54.0 | -24.81 | AV | 89.00 | 300 | Vertical | Pass |
| 2 | 2468.100 | 101.99 | -12.61 | 74.0 | 27.99 | Peak | 181.00 | 150 | Vertical | N/A |
| 2** | 2468.100 | 94.20 | -12.61 | 54.0 | 40.20 | AV | 181.00 | 150 | Vertical | N/A |
| 3 | 3269.600 | 53.44 | -8.50 | 74.0 | -20.56 | Peak | 183.00 | 150 | Vertical | Pass |
| 3** | 3269.600 | 52.46 | -8.50 | 54.0 | -1.54 | AV | 183.00 | 150 | Vertical | N/A |
| 4 | 6682.800 | 53.76 | -0.42 | 74.0 | -20.24 | Peak | 160.00 | 200 | Vertical | Pass |
| 4** | 6682.800 | 45.76 | -0.42 | 54.0 | -8.24 | AV | 160.00 | 200 | Vertical | Pass |
| 5 | 11596.550 | 52.90 | -0.13 | 74.0 | -21.10 | Peak | 180.00 | 400 | Vertical | Pass |
| 5** | 11596.550 | 43.23 | -0.13 | 54.0 | -10.77 | AV | 180.00 | 400 | Vertical | Pass |
| 6 | 13328.812 | 54.01 | 0.93 | 74.0 | -19.99 | Peak | 35.00 | 100 | Vertical | Pass |
| 6** | 13328.812 | 45.30 | 0.93 | 54.0 | -8.70 | AV | 35.00 | 100 | Vertical | Pass |

Aux. Antenna

1 GHz to 18 GHz, ANT H 802.11b Low Channel

| No. | Frequency (MHz) | Results (dBUV/m) | Factor (dB) | Limit (dBUV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1003.300 | 40.19 | -18.08 | 74.0 | -33.81 | Peak | 199.00 | 300 | Horizontal | Pass |
| 1** | 1003.300 | 29.66 | -18.08 | 54.0 | -24.34 | AV | 199.00 | 300 | Horizontal | Pass |
| 2 | 2412.000 | 98.47 | -12.26 | 74.0 | 24.47 | Peak | 29.00 | 100 | Horizontal | N/A |
| 2** | 2412.000 | 93.92 | -12.26 | 54.0 | 39.92 | AV | 29.00 | 100 | Horizontal | N/A |
| 3 | 4824.200 | 52.09 | -3.39 | 74.0 | -21.91 | Peak | 26.00 | 100 | Horizontal | Pass |
| 3** | 4824.200 | 46.61 | -3.39 | 54.0 | -7.39 | AV | 26.00 | 100 | Horizontal | Pass |
| 4 | 6602.800 | 55.10 | -0.11 | 74.0 | -18.90 | Peak | 318.00 | 400 | Horizontal | Pass |
| 4** | 6602.800 | 44.81 | -0.11 | 54.0 | -9.19 | AV | 318.00 | 400 | Horizontal | Pass |
| 5 | 11028.163 | 53.16 | -0.65 | 74.0 | -20.84 | Peak | 203.00 | 200 | Horizontal | Pass |
| 5** | 11028.163 | 42.17 | -0.65 | 54.0 | -11.83 | AV | 203.00 | 200 | Horizontal | Pass |
| 6 | 17415.150 | 54.27 | 3.64 | 74.0 | -19.73 | Peak | 22.00 | 400 | Horizontal | Pass |
| 6** | 17415.150 | 45.25 | 3.64 | 54.0 | -8.75 | AV | 22.00 | 400 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11b Low Channel

| No. | Frequency (MHz) | Results (dBUV/m) | Factor (dB) | Limit (dBUV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|------|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1398.800 | 42.23 | -17.48 | 74.0 | -31.77 | Peak | 143.00 | 100 | Vertical | Pass |
| 1** | 1398.800 | 33.97 | -17.48 | 54.0 | -20.03 | AV | 143.00 | 100 | Vertical | Pass |
| 2 | 2412.000 | 100.86 | -12.26 | 74.0 | 26.86 | Peak | 186.00 | 100 | Vertical | N/A |
| 2** | 2412.000 | 96.48 | -12.26 | 54.0 | 42.48 | AV | 186.00 | 100 | Vertical | N/A |
| 3 | 4824.200 | 53.92 | -3.39 | 74.0 | -20.08 | Peak | 283.00 | 150 | Vertical | Pass |
| 3*** | 4824.200 | 50.367 | -3.39 | 54.0 | -3.633 | AV | 283.00 | 150 | Vertical | Pass |
| 4 | 6693.800 | 54.90 | -0.33 | 74.0 | -19.10 | Peak | 72.00 | 300 | Vertical | Pass |
| 4** | 6693.800 | 44.47 | -0.33 | 54.0 | -9.53 | AV | 72.00 | 300 | Vertical | Pass |
| 5 | 12323.637 | 53.28 | 1.42 | 74.0 | -20.72 | Peak | 64.00 | 300 | Vertical | Pass |
| 5** | 12323.637 | 43.97 | 1.42 | 54.0 | -10.03 | AV | 64.00 | 300 | Vertical | Pass |
| 6 | 13345.875 | 52.96 | 1.03 | 74.0 | -21.04 | Peak | 244.00 | 100 | Vertical | Pass |
| 6** | 13345.875 | 42.71 | 1.03 | 54.0 | -11.29 | AV | 244.00 | 100 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1397.100 | 40.13 | -17.48 | 74.0 | -33.87 | Peak | 351.00 | 400 | Horizontal | Pass |
| 1** | 1397.100 | 31.41 | -17.48 | 54.0 | -22.59 | AV | 351.00 | 400 | Horizontal | Pass |
| 2 | 2437.100 | 98.48 | -12.64 | 74.0 | 24.48 | Peak | 30.00 | 150 | Horizontal | N/A |
| 2** | 2437.100 | 94.20 | -12.64 | 54.0 | 40.20 | AV | 30.00 | 150 | Horizontal | N/A |
| 3 | 4874.200 | 51.03 | -3.35 | 74.0 | -22.97 | Peak | 40.00 | 150 | Horizontal | Pass |
| 3** | 4874.200 | 47.61 | -3.35 | 54.0 | -6.39 | AV | 40.00 | 150 | Horizontal | Pass |
| 4 | 6686.200 | 53.95 | -0.20 | 74.0 | -20.05 | Peak | 160.00 | 200 | Horizontal | Pass |
| 4** | 6686.200 | 44.67 | -0.20 | 54.0 | -9.33 | AV | 160.00 | 200 | Horizontal | Pass |
| 5 | 12230.776 | 52.86 | 1.28 | 74.0 | -21.14 | Peak | 79.00 | 400 | Horizontal | Pass |
| 5** | 12230.776 | 44.13 | 1.28 | 54.0 | -9.87 | AV | 79.00 | 400 | Horizontal | Pass |
| 6 | 17421.713 | 52.82 | 3.71 | 74.0 | -21.18 | Peak | 345.00 | 300 | Horizontal | Pass |
| 6** | 17421.713 | 45.18 | 3.71 | 54.0 | -8.82 | AV | 345.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11b Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1366.400 | 40.31 | -17.41 | 74.0 | -33.69 | Peak | 282.00 | 100 | Vertical | Pass |
| 1** | 1366.400 | 28.77 | -17.41 | 54.0 | -25.23 | AV | 282.00 | 100 | Vertical | Pass |
| 2 | 2437.000 | 102.24 | -12.65 | 74.0 | 28.24 | Peak | 201.00 | 200 | Vertical | N/A |
| 2** | 2437.000 | 97.22 | -12.65 | 54.0 | 43.22 | AV | 201.00 | 200 | Vertical | N/A |
| 3 | 4874.200 | 53.76 | -3.35 | 74.0 | -20.24 | Peak | 275.00 | 150 | Vertical | Pass |
| 3** | 4874.200 | 50.83 | -3.35 | 54.0 | -3.17 | AV | 275.00 | 150 | Vertical | Pass |
| 4 | 6687.600 | 54.69 | -0.24 | 74.0 | -19.31 | Peak | 296.00 | 400 | Vertical | Pass |
| 4** | 6687.600 | 45.15 | -0.24 | 54.0 | -8.85 | AV | 296.00 | 400 | Vertical | Pass |
| 5 | 12717.513 | 53.31 | 1.10 | 74.0 | -20.69 | Peak | 60.00 | 400 | Vertical | Pass |
| 5** | 12717.513 | 42.94 | 1.10 | 54.0 | -11.06 | AV | 60.00 | 400 | Vertical | Pass |
| 6 | 17415.150 | 54.91 | 3.64 | 74.0 | -19.09 | Peak | 92.00 | 400 | Vertical | Pass |
| 6** | 17415.150 | 46.08 | 3.64 | 54.0 | -7.92 | AV | 92.00 | 400 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11b High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1593.400 | 39.79 | -17.47 | 74.0 | -34.21 | Peak | 154.00 | 400 | Horizontal | Pass |
| 1** | 1593.400 | 30.91 | -17.47 | 54.0 | -23.09 | AV | 154.00 | 400 | Horizontal | Pass |
| 2 | 2462.100 | 99.66 | -12.77 | 74.0 | 25.66 | Peak | 28.00 | 200 | Horizontal | N/A |
| 2** | 2462.100 | 95.43 | -12.77 | 54.0 | 41.43 | AV | 28.00 | 200 | Horizontal | N/A |
| 3 | 4924.400 | 50.97 | -2.62 | 74.0 | -23.03 | Peak | 56.00 | 150 | Horizontal | Pass |
| 3** | 4924.400 | 48.34 | -2.62 | 54.0 | -5.66 | AV | 56.00 | 150 | Horizontal | Pass |
| 4 | 6674.200 | 54.14 | -0.69 | 74.0 | -19.86 | Peak | 299.00 | 400 | Horizontal | Pass |
| 4** | 6674.200 | 44.36 | -0.69 | 54.0 | -9.64 | AV | 299.00 | 400 | Horizontal | Pass |
| 5 | 12591.588 | 53.71 | 1.70 | 74.0 | -20.29 | Peak | 231.00 | 100 | Horizontal | Pass |
| 5** | 12591.588 | 43.17 | 1.70 | 54.0 | -10.83 | AV | 231.00 | 100 | Horizontal | Pass |
| 6 | 17417.511 | 53.79 | 3.70 | 74.0 | -20.21 | Peak | 360.00 | 100 | Horizontal | Pass |
| 6** | 17417.511 | 46.13 | 3.70 | 54.0 | -7.87 | AV | 360.00 | 100 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11b High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1396.400 | 41.83 | -17.47 | 74.0 | -32.17 | Peak | 151.00 | 200 | Vertical | Pass |
| 1** | 1396.400 | 29.16 | -17.47 | 54.0 | -24.84 | AV | 151.00 | 200 | Vertical | Pass |
| 2 | 2463.400 | 103.07 | -12.79 | 74.0 | 29.07 | Peak | 200.00 | 100 | Vertical | N/A |
| 2** | 2463.400 | 99.91 | -12.79 | 54.0 | 45.91 | AV | 200.00 | 100 | Vertical | N/A |
| 3 | 4924.200 | 54.91 | -2.60 | 74.0 | -19.09 | Peak | 7.00 | 150 | Vertical | Pass |
| 3** | 4924.200 | 50.178 | -2.60 | 54.0 | -3.822 | AV | 7.00 | 150 | Vertical | Pass |
| 4 | 6691.000 | 53.75 | -0.29 | 74.0 | -20.25 | Peak | 116.00 | 200 | Vertical | Pass |
| 4** | 6691.000 | 44.56 | -0.29 | 54.0 | -9.44 | AV | 116.00 | 200 | Vertical | Pass |
| 5 | 12289.713 | 53.36 | 1.67 | 74.0 | -20.64 | Peak | 162.00 | 100 | Vertical | Pass |
| 5** | 12289.713 | 42.98 | 1.67 | 54.0 | -11.02 | AV | 162.00 | 100 | Vertical | Pass |
| 6 | 17416.989 | 53.26 | 3.69 | 74.0 | -20.74 | Peak | 229.00 | 400 | Vertical | Pass |
| 6** | 17416.989 | 45.06 | 3.69 | 54.0 | -8.94 | AV | 229.00 | 400 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11g Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1197.200 | 41.71 | -17.91 | 74.0 | -32.29 | Peak | 179.00 | 100 | Horizontal | Pass |
| 1** | 1197.200 | 31.82 | -17.91 | 54.0 | -22.18 | AV | 179.00 | 100 | Horizontal | Pass |
| 2 | 2418.700 | 99.84 | -12.27 | 74.0 | 25.84 | Peak | 27.00 | 200 | Horizontal | N/A |
| 2** | 2418.700 | 93.22 | -12.27 | 54.0 | 39.22 | AV | 27.00 | 200 | Horizontal | N/A |
| 3 | 4989.000 | 50.73 | -2.89 | 74.0 | -23.27 | Peak | 255.00 | 150 | Horizontal | Pass |
| 3** | 4989.000 | 41.55 | -2.89 | 54.0 | -12.45 | AV | 255.00 | 150 | Horizontal | Pass |
| 4 | 6972.200 | 53.64 | 0.78 | 74.0 | -20.36 | Peak | 52.00 | 300 | Horizontal | Pass |
| 4** | 6972.200 | 43.59 | 0.78 | 54.0 | -10.41 | AV | 52.00 | 300 | Horizontal | Pass |
| 5 | 12611.713 | 53.07 | 1.89 | 74.0 | -20.93 | Peak | 235.00 | 300 | Horizontal | Pass |
| 5** | 12611.713 | 43.13 | 1.89 | 54.0 | -10.87 | AV | 235.00 | 300 | Horizontal | Pass |
| 6 | 17411.475 | 53.19 | 3.50 | 74.0 | -20.81 | Peak | 247.00 | 200 | Horizontal | Pass |
| 6** | 17411.475 | 44.79 | 3.50 | 54.0 | -9.21 | AV | 247.00 | 200 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11g Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1399.500 | 42.58 | -17.45 | 74.0 | -31.42 | Peak | 298.00 | 300 | Vertical | Pass |
| 1** | 1399.500 | 31.04 | -17.45 | 54.0 | -22.96 | AV | 298.00 | 300 | Vertical | Pass |
| 2 | 2406.400 | 102.25 | -12.31 | 74.0 | 28.25 | Peak | 209.00 | 150 | Vertical | N/A |
| 2** | 2406.400 | 94.49 | -12.31 | 54.0 | 40.49 | AV | 209.00 | 150 | Vertical | N/A |
| 3 | 4824.000 | 51.91 | -3.38 | 74.0 | -22.09 | Peak | 0.00 | 200 | Vertical | Pass |
| 3** | 4824.000 | 44.47 | -3.38 | 54.0 | -9.53 | AV | 0.00 | 200 | Vertical | Pass |
| 4 | 6678.600 | 53.45 | -0.55 | 74.0 | -20.55 | Peak | 34.00 | 100 | Vertical | Pass |
| 4** | 6678.600 | 45.38 | -0.55 | 54.0 | -8.62 | AV | 34.00 | 100 | Vertical | Pass |
| 5 | 12264.125 | 53.48 | 1.25 | 74.0 | -20.52 | Peak | 153.00 | 150 | Vertical | Pass |
| 5** | 12264.125 | 43.15 | 1.25 | 54.0 | -10.85 | AV | 153.00 | 150 | Vertical | Pass |
| 6 | 13435.650 | 53.26 | 0.42 | 74.0 | -20.74 | Peak | 324.00 | 200 | Vertical | Pass |
| 6** | 13435.650 | 44.37 | 0.42 | 54.0 | -9.63 | AV | 324.00 | 200 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11g Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1399.000 | 40.40 | -17.47 | 74.0 | -33.60 | Peak | 127.00 | 300 | Horizontal | Pass |
| 1** | 1399.000 | 31.81 | -17.47 | 54.0 | -22.19 | AV | 127.00 | 300 | Horizontal | Pass |
| 2 | 2442.200 | 99.87 | -12.90 | 74.0 | 25.87 | Peak | 34.00 | 100 | Horizontal | N/A |
| 2** | 2442.200 | 92.67 | -12.90 | 54.0 | 38.67 | AV | 34.00 | 100 | Horizontal | N/A |
| 3 | 4811.600 | 51.64 | -3.02 | 74.0 | -22.36 | Peak | 353.00 | 150 | Horizontal | Pass |
| 3** | 4811.600 | 41.19 | -3.02 | 54.0 | -12.81 | AV | 353.00 | 150 | Horizontal | Pass |
| 4 | 6677.200 | 53.97 | -0.58 | 74.0 | -20.03 | Peak | 49.00 | 300 | Horizontal | Pass |
| 4** | 6677.200 | 45.80 | -0.58 | 54.0 | -8.20 | AV | 49.00 | 300 | Horizontal | Pass |
| 5 | 12247.451 | 52.89 | 0.98 | 74.0 | -21.11 | Peak | 286.00 | 200 | Horizontal | Pass |
| 5** | 12247.451 | 43.82 | 0.98 | 54.0 | -10.18 | AV | 286.00 | 200 | Horizontal | Pass |
| 6 | 17211.974 | 54.76 | 1.45 | 74.0 | -19.24 | Peak | 285.00 | 300 | Horizontal | Pass |
| 6** | 17211.974 | 45.83 | 1.45 | 54.0 | -8.17 | AV | 285.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11g Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1200.600 | 41.87 | -17.86 | 74.0 | -32.13 | Peak | 274.00 | 100 | Vertical | Pass |
| 1** | 1200.600 | 30.56 | -17.86 | 54.0 | -23.44 | AV | 274.00 | 100 | Vertical | Pass |
| 2 | 2442.900 | 103.94 | -12.85 | 74.0 | 29.94 | Peak | 212.00 | 100 | Vertical | N/A |
| 2** | 2442.900 | 96.45 | -12.85 | 54.0 | 42.45 | AV | 212.00 | 100 | Vertical | N/A |
| 3 | 4880.200 | 51.26 | -3.44 | 74.0 | -22.74 | Peak | 298.00 | 200 | Vertical | Pass |
| 3** | 4880.200 | 42.45 | -3.44 | 54.0 | -11.55 | AV | 298.00 | 200 | Vertical | Pass |
| 4 | 6686.400 | 53.92 | -0.21 | 74.0 | -20.08 | Peak | 342.00 | 200 | Vertical | Pass |
| 4** | 6686.400 | 45.20 | -0.21 | 54.0 | -8.80 | AV | 342.00 | 200 | Vertical | Pass |
| 5 | 12100.537 | 52.93 | 0.57 | 74.0 | -21.07 | Peak | 167.00 | 400 | Vertical | Pass |
| 5** | 12100.537 | 42.68 | 0.57 | 54.0 | -11.32 | AV | 167.00 | 400 | Vertical | Pass |
| 6 | 17419.614 | 52.97 | 3.75 | 74.0 | -21.03 | Peak | 132.00 | 300 | Vertical | Pass |
| 6** | 17419.614 | 45.23 | 3.75 | 54.0 | -8.77 | AV | 132.00 | 300 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11g High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1394.500 | 41.72 | -17.57 | 74.0 | -32.28 | Peak | 167.00 | 400 | Horizontal | Pass |
| 1** | 1394.500 | 29.29 | -17.57 | 54.0 | -24.71 | AV | 167.00 | 400 | Horizontal | Pass |
| 2 | 2455.800 | 100.55 | -12.70 | 74.0 | 26.55 | Peak | 35.00 | 200 | Horizontal | N/A |
| 2** | 2455.800 | 93.19 | -12.70 | 54.0 | 39.19 | AV | 35.00 | 200 | Horizontal | N/A |
| 3 | 4776.000 | 50.10 | -3.01 | 74.0 | -23.90 | Peak | 11.00 | 150 | Horizontal | Pass |
| 3** | 4776.000 | 41.79 | -3.01 | 54.0 | -12.21 | AV | 11.00 | 150 | Horizontal | Pass |
| 4 | 6606.600 | 53.78 | 0.16 | 74.0 | -20.22 | Peak | 0.00 | 400 | Horizontal | Pass |
| 4** | 6606.600 | 45.24 | 0.16 | 54.0 | -8.76 | AV | 0.00 | 400 | Horizontal | Pass |
| 5 | 12232.500 | 52.77 | 1.23 | 74.0 | -21.23 | Peak | 270.00 | 400 | Horizontal | Pass |
| 5** | 12232.500 | 42.90 | 1.23 | 54.0 | -11.10 | AV | 270.00 | 400 | Horizontal | Pass |
| 6 | 17433.000 | 53.07 | 3.34 | 74.0 | -20.93 | Peak | 93.00 | 300 | Horizontal | Pass |
| 6** | 17433.000 | 44.10 | 3.34 | 54.0 | -9.90 | AV | 93.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11g High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1196.000 | 40.96 | -17.92 | 74.0 | -33.04 | Peak | 297.00 | 200 | Vertical | Pass |
| 1** | 1196.000 | 29.38 | -17.92 | 54.0 | -24.62 | AV | 297.00 | 200 | Vertical | Pass |
| 2 | 2456.700 | 104.47 | -12.74 | 74.0 | 30.47 | Peak | 211.00 | 200 | Vertical | N/A |
| 2** | 2456.700 | 96.11 | -12.74 | 54.0 | 42.11 | AV | 211.00 | 200 | Vertical | N/A |
| 3 | 4920.400 | 53.31 | -2.48 | 74.0 | -20.69 | Peak | 256.00 | 150 | Vertical | Pass |
| 3** | 4920.400 | 43.33 | -2.48 | 54.0 | -10.67 | AV | 256.00 | 150 | Vertical | Pass |
| 4 | 6603.600 | 53.57 | -0.05 | 74.0 | -20.43 | Peak | 125.00 | 100 | Vertical | Pass |
| 4** | 6603.600 | 44.65 | -0.05 | 54.0 | -9.35 | AV | 125.00 | 100 | Vertical | Pass |
| 5 | 12221.000 | 53.13 | 1.24 | 74.0 | -20.87 | Peak | 351.00 | 400 | Vertical | Pass |
| 5** | 12221.000 | 43.57 | 1.24 | 54.0 | -10.43 | AV | 351.00 | 400 | Vertical | Pass |
| 6 | 17386.801 | 53.21 | 2.79 | 74.0 | -20.79 | Peak | 268.00 | 200 | Vertical | Pass |
| 6** | 17386.801 | 46.10 | 2.79 | 54.0 | -7.90 | AV | 268.00 | 200 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1198.100 | 40.60 | -17.85 | 74.0 | -33.40 | Peak | 168.00 | 300 | Horizontal | Pass |
| 1** | 1198.100 | 29.84 | -17.85 | 54.0 | -24.16 | AV | 168.00 | 300 | Horizontal | Pass |
| 2 | 2418.600 | 99.11 | -12.26 | 74.0 | 25.11 | Peak | 36.00 | 150 | Horizontal | N/A |
| 2** | 2418.600 | 91.61 | -12.26 | 54.0 | 37.61 | AV | 36.00 | 150 | Horizontal | N/A |
| 3 | 4914.400 | 50.74 | -2.31 | 74.0 | -23.26 | Peak | 137.00 | 100 | Horizontal | Pass |
| 3** | 4914.400 | 42.02 | -2.31 | 54.0 | -11.98 | AV | 137.00 | 100 | Horizontal | Pass |
| 4 | 6760.000 | 53.55 | -1.05 | 74.0 | -20.45 | Peak | 231.00 | 100 | Horizontal | Pass |
| 4** | 6760.000 | 43.51 | -1.05 | 54.0 | -10.49 | AV | 231.00 | 100 | Horizontal | Pass |
| 5 | 12202.599 | 54.00 | 0.75 | 74.0 | -20.00 | Peak | 198.00 | 100 | Horizontal | Pass |
| 5** | 12202.599 | 42.95 | 0.75 | 54.0 | -11.05 | AV | 198.00 | 100 | Horizontal | Pass |
| 6 | 17198.850 | 53.21 | 1.96 | 74.0 | -20.79 | Peak | 268.00 | 200 | Horizontal | Pass |
| 6** | 17198.850 | 44.27 | 1.96 | 54.0 | -9.73 | AV | 268.00 | 200 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1403.700 | 40.05 | -17.44 | 74.0 | -33.95 | Peak | 147.00 | 100 | Vertical | Pass |
| 1** | 1403.700 | 29.95 | -17.44 | 54.0 | -24.05 | AV | 147.00 | 100 | Vertical | Pass |
| 2 | 2418.100 | 101.07 | -12.25 | 74.0 | 27.07 | Peak | 185.00 | 150 | Vertical | N/A |
| 2** | 2418.100 | 93.29 | -12.25 | 54.0 | 39.29 | AV | 185.00 | 150 | Vertical | N/A |
| 3 | 4824.600 | 52.57 | -3.41 | 74.0 | -21.43 | Peak | 276.00 | 200 | Vertical | Pass |
| 3** | 4824.600 | 44.01 | -3.41 | 54.0 | -9.99 | AV | 276.00 | 200 | Vertical | Pass |
| 4 | 6626.200 | 53.81 | -0.24 | 74.0 | -20.19 | Peak | 360.00 | 100 | Vertical | Pass |
| 4** | 6626.200 | 44.19 | -0.24 | 54.0 | -9.81 | AV | 360.00 | 100 | Vertical | Pass |
| 5 | 12258.662 | 53.12 | 1.05 | 74.0 | -20.88 | Peak | 0.00 | 400 | Vertical | Pass |
| 5** | 12258.662 | 43.13 | 1.05 | 54.0 | -10.87 | AV | 0.00 | 400 | Vertical | Pass |
| 6 | 17411.475 | 53.02 | 3.50 | 74.0 | -20.98 | Peak | 360.00 | 400 | Vertical | Pass |
| 6** | 17411.475 | 44.74 | 3.50 | 54.0 | -9.26 | AV | 360.00 | 400 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1395.700 | 40.90 | -17.50 | 74.0 | -33.10 | Peak | 357.00 | 300 | Horizontal | Pass |
| 1** | 1395.700 | 29.23 | -17.50 | 54.0 | -24.77 | AV | 357.00 | 300 | Horizontal | Pass |
| 2 | 2443.500 | 98.43 | -12.81 | 74.0 | 24.43 | Peak | 36.00 | 100 | Horizontal | N/A |
| 2** | 2443.500 | 90.95 | -12.81 | 54.0 | 36.95 | AV | 36.00 | 100 | Horizontal | N/A |
| 3 | 4914.000 | 50.64 | -2.28 | 74.0 | -23.36 | Peak | 88.00 | 150 | Horizontal | Pass |
| 3** | 4914.000 | 42.32 | -2.28 | 54.0 | -11.68 | AV | 88.00 | 150 | Horizontal | Pass |
| 4 | 6680.800 | 53.72 | -0.52 | 74.0 | -20.28 | Peak | 270.00 | 400 | Horizontal | Pass |
| 4** | 6680.800 | 45.40 | -0.52 | 54.0 | -8.60 | AV | 270.00 | 400 | Horizontal | Pass |
| 5 | 12211.800 | 53.01 | 1.08 | 74.0 | -20.99 | Peak | 360.00 | 100 | Horizontal | Pass |
| 5** | 12211.800 | 43.94 | 1.08 | 54.0 | -10.06 | AV | 360.00 | 100 | Horizontal | Pass |
| 6 | 17410.163 | 52.95 | 3.45 | 74.0 | -21.05 | Peak | 261.00 | 200 | Horizontal | Pass |
| 6** | 17410.163 | 45.42 | 3.45 | 54.0 | -8.58 | AV | 261.00 | 200 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1593.200 | 39.54 | -17.47 | 74.0 | -34.46 | Peak | 225.00 | 100 | Vertical | Pass |
| 1** | 1593.200 | 28.97 | -17.47 | 54.0 | -25.03 | AV | 225.00 | 100 | Vertical | Pass |
| 2 | 2442.900 | 102.42 | -12.85 | 74.0 | 28.42 | Peak | 212.00 | 100 | Vertical | N/A |
| 2** | 2442.900 | 95.30 | -12.85 | 54.0 | 41.30 | AV | 212.00 | 100 | Vertical | N/A |
| 3 | 4903.400 | 50.97 | -2.64 | 74.0 | -23.03 | Peak | 217.00 | 200 | Vertical | Pass |
| 3** | 4903.400 | 41.38 | -2.64 | 54.0 | -12.62 | AV | 217.00 | 200 | Vertical | Pass |
| 4 | 6691.800 | 54.26 | -0.30 | 74.0 | -19.74 | Peak | 28.00 | 300 | Vertical | Pass |
| 4** | 6691.800 | 44.57 | -0.30 | 54.0 | -9.43 | AV | 28.00 | 300 | Vertical | Pass |
| 5 | 12745.113 | 53.09 | 1.24 | 74.0 | -20.91 | Peak | 360.00 | 400 | Vertical | Pass |
| 5** | 12745.113 | 43.70 | 1.24 | 54.0 | -10.30 | AV | 360.00 | 400 | Vertical | Pass |
| 6 | 17415.150 | 53.34 | 3.64 | 74.0 | -20.66 | Peak | 247.00 | 100 | Vertical | Pass |
| 6** | 17415.150 | 45.54 | 3.64 | 54.0 | -8.46 | AV | 247.00 | 100 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n20 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1397.300 | 41.04 | -17.48 | 74.0 | -32.96 | Peak | 167.00 | 400 | Horizontal | Pass |
| 1** | 1397.300 | 29.17 | -17.48 | 54.0 | -24.83 | AV | 167.00 | 400 | Horizontal | Pass |
| 2 | 2456.200 | 100.03 | -12.72 | 74.0 | 26.03 | Peak | 34.00 | 150 | Horizontal | N/A |
| 2** | 2456.200 | 92.47 | -12.72 | 54.0 | 38.47 | AV | 34.00 | 150 | Horizontal | N/A |
| 3 | 4922.600 | 51.01 | -2.55 | 74.0 | -22.99 | Peak | 242.00 | 150 | Horizontal | Pass |
| 3** | 4922.600 | 42.67 | -2.55 | 54.0 | -11.33 | AV | 242.00 | 150 | Horizontal | Pass |
| 4 | 6685.000 | 53.79 | -0.21 | 74.0 | -20.21 | Peak | 242.00 | 400 | Horizontal | Pass |
| 4** | 6685.000 | 45.56 | -0.21 | 54.0 | -8.44 | AV | 242.00 | 400 | Horizontal | Pass |
| 5 | 12746.550 | 53.00 | 1.20 | 74.0 | -21.00 | Peak | 30.00 | 300 | Horizontal | Pass |
| 5** | 12746.550 | 43.77 | 1.20 | 54.0 | -10.23 | AV | 30.00 | 300 | Horizontal | Pass |
| 6 | 16082.175 | 53.13 | 1.59 | 74.0 | -20.87 | Peak | 32.00 | 300 | Horizontal | Pass |
| 6** | 16082.175 | 45.00 | 1.59 | 54.0 | -9.00 | AV | 32.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n20 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1390.400 | 40.24 | -17.49 | 74.0 | -33.76 | Peak | 233.00 | 400 | Vertical | Pass |
| 1** | 1390.400 | 28.99 | -17.49 | 54.0 | -25.01 | AV | 233.00 | 400 | Vertical | Pass |
| 2 | 2467.500 | 103.71 | -12.63 | 74.0 | 29.71 | Peak | 213.00 | 200 | Vertical | N/A |
| 2** | 2467.500 | 96.39 | -12.63 | 54.0 | 42.39 | AV | 213.00 | 200 | Vertical | N/A |
| 3 | 4919.200 | 52.23 | -2.41 | 74.0 | -21.77 | Peak | 298.00 | 150 | Vertical | Pass |
| 3** | 4919.200 | 42.98 | -2.41 | 54.0 | -11.02 | AV | 298.00 | 150 | Vertical | Pass |
| 4 | 6676.600 | 54.07 | -0.59 | 74.0 | -19.93 | Peak | 78.00 | 100 | Vertical | Pass |
| 4** | 6676.600 | 44.44 | -0.59 | 54.0 | -9.56 | AV | 78.00 | 100 | Vertical | Pass |
| 5 | 12306.388 | 52.59 | 1.38 | 74.0 | -21.41 | Peak | 219.00 | 200 | Vertical | Pass |
| 5** | 12306.388 | 43.06 | 1.38 | 54.0 | -10.94 | AV | 219.00 | 200 | Vertical | Pass |
| 6 | 15241.650 | 52.79 | 0.93 | 74.0 | -21.21 | Peak | 284.00 | 200 | Vertical | Pass |
| 6** | 15241.650 | 45.56 | 0.93 | 54.0 | -8.44 | AV | 284.00 | 200 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1394.900 | 43.12 | -17.55 | 74.0 | -30.88 | Peak | 194.00 | 400 | Horizontal | Pass |
| 1** | 1394.900 | 34.87 | -17.55 | 54.0 | -19.13 | AV | 194.00 | 400 | Horizontal | Pass |
| 2 | 2420.600 | 95.67 | -12.39 | 74.0 | 21.67 | Peak | 28.00 | 100 | Horizontal | N/A |
| 2** | 2420.600 | 88.61 | -12.39 | 54.0 | 34.61 | AV | 28.00 | 100 | Horizontal | N/A |
| 3 | 4898.200 | 50.78 | -2.93 | 74.0 | -23.22 | Peak | 0.00 | 150 | Horizontal | Pass |
| 3** | 4898.200 | 41.39 | -2.93 | 54.0 | -12.61 | AV | 0.00 | 150 | Horizontal | Pass |
| 4 | 6608.600 | 54.19 | 0.14 | 74.0 | -19.81 | Peak | 105.00 | 400 | Horizontal | Pass |
| 4** | 6608.600 | 44.35 | 0.14 | 54.0 | -9.65 | AV | 105.00 | 400 | Horizontal | Pass |
| 5 | 12594.175 | 53.24 | 1.76 | 74.0 | -20.76 | Peak | 118.00 | 400 | Horizontal | Pass |
| 5** | 12594.175 | 43.21 | 1.76 | 54.0 | -10.79 | AV | 118.00 | 400 | Horizontal | Pass |
| 6 | 17184.938 | 53.91 | 2.53 | 74.0 | -20.09 | Peak | 247.00 | 300 | Horizontal | Pass |
| 6** | 17184.938 | 45.25 | 2.53 | 54.0 | -8.75 | AV | 247.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1412.800 | 39.90 | -17.52 | 74.0 | -34.10 | Peak | 156.00 | 300 | Vertical | Pass |
| 1** | 1412.800 | 29.31 | -17.52 | 54.0 | -24.69 | AV | 156.00 | 300 | Vertical | Pass |
| 2 | 2438.000 | 99.39 | -12.60 | 74.0 | 25.39 | Peak | 212.00 | 100 | Vertical | N/A |
| 2** | 2438.000 | 92.07 | -12.60 | 54.0 | 38.07 | AV | 212.00 | 100 | Vertical | N/A |
| 3 | 4935.400 | 50.86 | -2.94 | 74.0 | -23.14 | Peak | 62.00 | 150 | Vertical | Pass |
| 3** | 4935.400 | 42.51 | -2.94 | 54.0 | -11.49 | AV | 62.00 | 150 | Vertical | Pass |
| 4 | 6606.600 | 53.73 | 0.16 | 74.0 | -20.27 | Peak | 186.00 | 100 | Vertical | Pass |
| 4** | 6606.600 | 45.51 | 0.16 | 54.0 | -8.49 | AV | 186.00 | 100 | Vertical | Pass |
| 5 | 12619.763 | 53.18 | 1.80 | 74.0 | -20.82 | Peak | 116.00 | 100 | Vertical | Pass |
| 5** | 12619.763 | 43.49 | 1.80 | 54.0 | -10.51 | AV | 116.00 | 100 | Vertical | Pass |
| 6 | 17412.786 | 53.56 | 3.55 | 74.0 | -20.44 | Peak | 0.00 | 400 | Vertical | Pass |
| 6** | 17412.786 | 45.61 | 3.55 | 54.0 | -8.39 | AV | 0.00 | 400 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1599.600 | 42.18 | -17.62 | 74.0 | -31.82 | Peak | 206.00 | 100 | Horizontal | Pass |
| 1** | 1599.600 | 31.65 | -17.62 | 54.0 | -22.35 | AV | 206.00 | 100 | Horizontal | Pass |
| 2 | 2421.500 | 96.94 | -12.49 | 74.0 | 22.94 | Peak | 33.00 | 100 | Horizontal | N/A |
| 2** | 2421.500 | 89.14 | -12.49 | 54.0 | 35.14 | AV | 33.00 | 100 | Horizontal | N/A |
| 3 | 5045.600 | 51.51 | -2.85 | 74.0 | -22.49 | Peak | 66.00 | 150 | Horizontal | Pass |
| 3** | 5045.600 | 41.57 | -2.85 | 54.0 | -12.43 | AV | 66.00 | 150 | Horizontal | Pass |
| 4 | 6686.400 | 54.02 | -0.21 | 74.0 | -19.98 | Peak | 87.00 | 100 | Horizontal | Pass |
| 4** | 6686.400 | 45.15 | -0.21 | 54.0 | -8.85 | AV | 87.00 | 100 | Horizontal | Pass |
| 5 | 12709.463 | 53.13 | 0.97 | 74.0 | -20.87 | Peak | 304.00 | 100 | Horizontal | Pass |
| 5** | 12709.463 | 42.86 | 0.97 | 54.0 | -11.14 | AV | 304.00 | 100 | Horizontal | Pass |
| 6 | 17127.450 | 53.27 | 2.25 | 74.0 | -20.73 | Peak | 343.00 | 300 | Horizontal | Pass |
| 6** | 17127.450 | 44.43 | 2.25 | 54.0 | -9.57 | AV | 343.00 | 300 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1355.200 | 39.39 | -17.38 | 74.0 | -34.61 | Peak | 277.00 | 400 | Vertical | Pass |
| 1** | 1355.200 | 30.09 | -17.38 | 54.0 | -23.91 | AV | 277.00 | 400 | Vertical | Pass |
| 2 | 2449.900 | 99.72 | -12.55 | 74.0 | 25.72 | Peak | 208.00 | 100 | Vertical | N/A |
| 2** | 2449.900 | 92.53 | -12.55 | 54.0 | 38.53 | AV | 208.00 | 100 | Vertical | N/A |
| 3 | 4825.400 | 51.33 | -3.45 | 74.0 | -22.67 | Peak | 39.00 | 150 | Vertical | Pass |
| 3** | 4825.400 | 41.93 | -3.45 | 54.0 | -12.07 | AV | 39.00 | 150 | Vertical | Pass |
| 4 | 6679.800 | 54.30 | -0.53 | 74.0 | -19.70 | Peak | 284.00 | 300 | Vertical | Pass |
| 4** | 6679.800 | 45.13 | -0.53 | 54.0 | -8.87 | AV | 284.00 | 300 | Vertical | Pass |
| 5 | 12217.263 | 52.90 | 1.20 | 74.0 | -21.10 | Peak | 354.00 | 100 | Vertical | Pass |
| 5** | 12217.263 | 43.57 | 1.20 | 54.0 | -10.43 | AV | 354.00 | 100 | Vertical | Pass |
| 6 | 17405.962 | 53.11 | 3.34 | 74.0 | -20.89 | Peak | 284.00 | 400 | Vertical | Pass |
| 6** | 17405.962 | 45.32 | 3.34 | 54.0 | -8.68 | AV | 284.00 | 400 | Vertical | Pass |

1 GHz to 18 GHz, ANT H 802.11n40 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1394.200 | 43.14 | -17.58 | 74.0 | -30.86 | Peak | 349.00 | 400 | Horizontal | Pass |
| 1** | 1394.200 | 30.11 | -17.58 | 54.0 | -23.89 | AV | 349.00 | 400 | Horizontal | Pass |
| 2 | 2454.700 | 96.31 | -12.65 | 74.0 | 22.31 | Peak | 34.00 | 100 | Horizontal | N/A |
| 2** | 2454.700 | 88.63 | -12.65 | 54.0 | 34.63 | AV | 34.00 | 100 | Horizontal | N/A |
| 3 | 4913.800 | 50.77 | -2.26 | 74.0 | -23.23 | Peak | 342.00 | 150 | Horizontal | Pass |
| 3** | 4913.800 | 41.65 | -2.26 | 54.0 | -12.35 | AV | 342.00 | 150 | Horizontal | Pass |
| 4 | 6677.200 | 53.64 | -0.58 | 74.0 | -20.36 | Peak | 285.00 | 400 | Horizontal | Pass |
| 4** | 6677.200 | 45.02 | -0.58 | 54.0 | -8.98 | AV | 285.00 | 400 | Horizontal | Pass |
| 5 | 12290.000 | 53.50 | 1.66 | 74.0 | -20.50 | Peak | 84.00 | 100 | Horizontal | Pass |
| 5** | 12290.000 | 44.04 | 1.66 | 54.0 | -9.96 | AV | 84.00 | 100 | Horizontal | Pass |
| 6 | 17284.950 | 53.44 | 1.69 | 74.0 | -20.56 | Peak | 123.00 | 200 | Horizontal | Pass |
| 6** | 17284.950 | 44.84 | 1.69 | 54.0 | -9.16 | AV | 123.00 | 200 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n40 High Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1182.600 | 40.05 | -18.01 | 74.0 | -33.95 | Peak | 144.00 | 200 | Vertical | Pass |
| 1** | 1182.600 | 31.19 | -18.01 | 54.0 | -22.81 | AV | 144.00 | 200 | Vertical | Pass |
| 2 | 2467.700 | 100.74 | -12.62 | 74.0 | 26.74 | Peak | 207.00 | 100 | Vertical | N/A |
| 2** | 2467.700 | 92.59 | -12.62 | 54.0 | 38.59 | AV | 207.00 | 100 | Vertical | N/A |
| 3 | 4912.400 | 51.28 | -2.30 | 74.0 | -22.72 | Peak | 341.00 | 150 | Vertical | Pass |
| 3** | 4912.400 | 41.82 | -2.30 | 54.0 | -12.18 | AV | 341.00 | 150 | Vertical | Pass |
| 4 | 6691.800 | 53.67 | -0.30 | 74.0 | -20.33 | Peak | 273.00 | 400 | Vertical | Pass |
| 4** | 6691.800 | 44.42 | -0.30 | 54.0 | -9.58 | AV | 273.00 | 400 | Vertical | Pass |
| 5 | 12220.137 | 52.78 | 1.23 | 74.0 | -21.22 | Peak | 360.00 | 200 | Vertical | Pass |
| 5** | 12220.137 | 44.06 | 1.23 | 54.0 | -9.94 | AV | 360.00 | 200 | Vertical | Pass |
| 6 | 17409.901 | 53.13 | 3.44 | 74.0 | -20.87 | Peak | 360.00 | 400 | Vertical | Pass |
| 6** | 17409.901 | 44.67 | 3.44 | 54.0 | -9.33 | AV | 360.00 | 400 | Vertical | Pass |

MIMO**1 GHz to 18 GHz, ANT H 802.11n20 Low Channel**

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1 | 1200.000 | 42.90 | -17.84 | 74.0 | -31.10 | Peak | 148.00 | 300 | Horizontal | Pass |
| 1** | 1200.000 | 30.73 | -17.84 | 54.0 | -23.27 | AV | 148.00 | 300 | Horizontal | Pass |
| 2 | 2418.200 | 94.23 | -12.25 | 74.0 | 20.23 | Peak | 275.00 | 100 | Horizontal | N/A |
| 2** | 2418.200 | 86.15 | -12.25 | 54.0 | 32.15 | AV | 275.00 | 100 | Horizontal | N/A |
| 3 | 4802.800 | 50.72 | -2.64 | 74.0 | -23.28 | Peak | 108.00 | 150 | Horizontal | Pass |
| 3** | 4802.800 | 42.29 | -2.64 | 54.0 | -11.71 | AV | 108.00 | 150 | Horizontal | Pass |
| 4 | 6271.600 | 53.40 | -0.28 | 74.0 | -20.60 | Peak | 177.00 | 200 | Horizontal | Pass |
| 4** | 6271.600 | 44.60 | -0.28 | 54.0 | -9.40 | AV | 177.00 | 200 | Horizontal | Pass |
| 5 | 12206.625 | 52.52 | 0.87 | 74.0 | -21.48 | Peak | 128.00 | 100 | Horizontal | Pass |
| 5** | 12206.625 | 42.88 | 0.87 | 54.0 | -11.12 | AV | 128.00 | 100 | Horizontal | Pass |
| 6 | 15834.637 | 53.56 | 1.45 | 74.0 | -20.44 | Peak | 131.00 | 400 | Horizontal | Pass |
| 6** | 15834.637 | 44.75 | 1.45 | 54.0 | -9.25 | AV | 131.00 | 400 | Horizontal | Pass |

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1 | 1396.300 | 42.94 | -17.47 | 74.0 | -31.06 | Peak | 147.00 | 400 | Vertical | Pass |
| 1** | 1396.300 | 29.18 | -17.47 | 54.0 | -24.82 | AV | 147.00 | 400 | Vertical | Pass |
| 2 | 2418.900 | 103.62 | -12.28 | 74.0 | 29.62 | Peak | 263.00 | 150 | Vertical | N/A |
| 2** | 2418.900 | 96.44 | -12.28 | 54.0 | 42.44 | AV | 263.00 | 150 | Vertical | N/A |
| 3 | 3216.200 | 53.78 | -7.28 | 74.0 | -20.22 | Peak | 18.00 | 150 | Vertical | Pass |
| 3** | 3216.200 | 52.18 | -7.28 | 54.0 | -1.82 | AV | 18.00 | 150 | Vertical | N/A |
| 4 | 6686.600 | 53.81 | -0.21 | 74.0 | -20.19 | Peak | 133.00 | 400 | Vertical | Pass |
| 4** | 6686.600 | 45.62 | -0.21 | 54.0 | -8.38 | AV | 133.00 | 400 | Vertical | Pass |
| 5 | 12454.162 | 53.20 | 1.88 | 74.0 | -20.80 | Peak | 0.00 | 300 | Vertical | Pass |
| 5** | 12454.162 | 44.04 | 1.88 | 54.0 | -9.96 | AV | 0.00 | 300 | Vertical | Pass |
| 6 | 13305.187 | 53.31 | 0.87 | 74.0 | -20.69 | Peak | 328.00 | 300 | Vertical | Pass |
| 6** | 13305.187 | 44.99 | 0.87 | 54.0 | -9.01 | AV | 328.00 | 300 | Vertical | Pass |