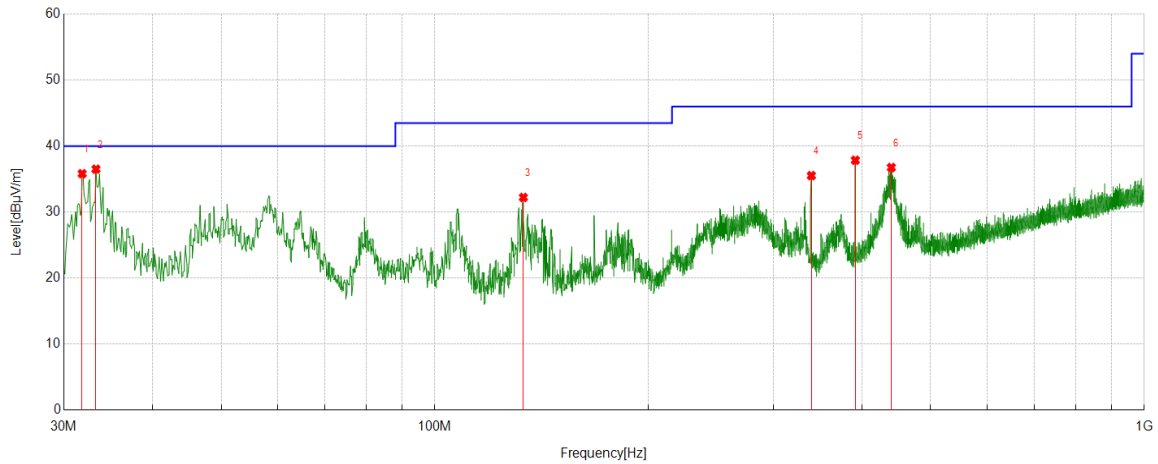


| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11a | 5745 | Vertical | PASS |



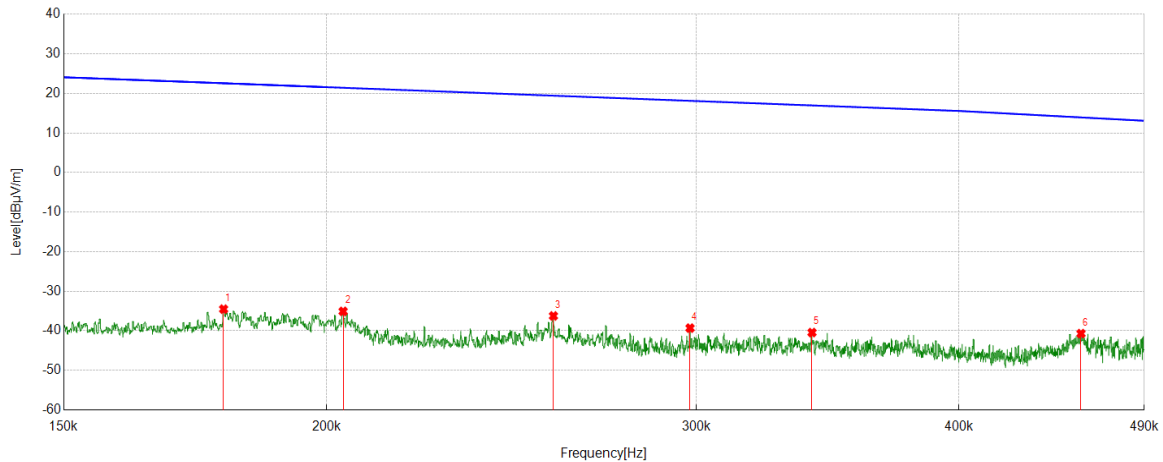
| No. | Frequency | Reading Level | Correct Factor | Result | Limit | Margin | Remark |
|-----|-----------|---------------|----------------|----------|----------|--------|--------|
| | (MHz) | [dBuV] | [dB/m] | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 31.8432 | 17.14 | 18.68 | 35.82 | 40.00 | -4.18 | peak |
| 2 | 33.2983 | 17.76 | 18.75 | 36.51 | 40.00 | -3.49 | peak |
| 3 | 133.3153 | 12.93 | 19.29 | 32.22 | 43.50 | -11.28 | peak |
| 4 | 339.4609 | 13.42 | 22.11 | 35.53 | 46.00 | -10.47 | peak |
| 5 | 391.5552 | 14.35 | 23.51 | 37.86 | 46.00 | -8.14 | peak |
| 6 | 440.0600 | 11.86 | 24.90 | 36.76 | 46.00 | -9.24 | peak |

Remark: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.

Part 6: 9kHz~30MHz

SPURIOUS EMISSIONS Below 30MHz (WORST CASE CONFIGURATION-FACE ON)

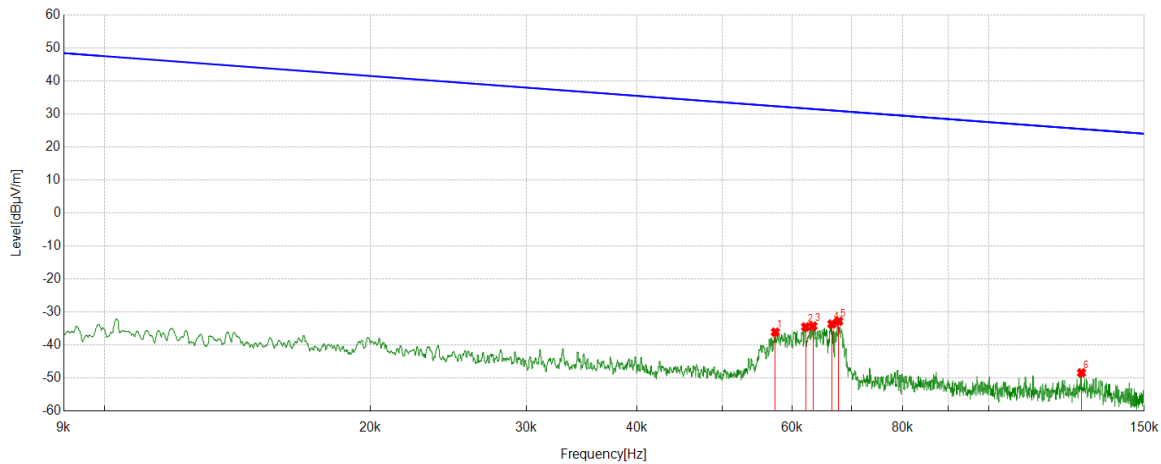
| Test Mode | Channel | Frequency Range | Verdict |
|-----------|---------|-----------------|---------|
| 11a | 5745 | 9kHz~150kHz | PASS |



| No. | Frequency (MHz) | Reading Level [dBuV] | Correct Factor [dB/m] | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1 | 0.1787 | 27.23 | -61.76 | -34.53 | 22.56 | -57.09 | peak |
| 2 | 0.2037 | 26.67 | -61.77 | -35.10 | 21.42 | -56.52 | peak |
| 3 | 0.2565 | 25.55 | -61.80 | -36.25 | 19.42 | -55.67 | peak |
| 4 | 0.2979 | 22.49 | -61.82 | -39.33 | 18.12 | -57.45 | peak |
| 5 | 0.3405 | 21.38 | -61.83 | -40.45 | 16.96 | -57.41 | peak |
| 6 | 0.4572 | 21.14 | -61.86 | -40.72 | 13.93 | -54.65 | peak |

- Remark:
1. Measurement = Reading Level + Correct Factor.
 2. Result 300m= Result 3m-80 dBuV/m
 3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
 4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report

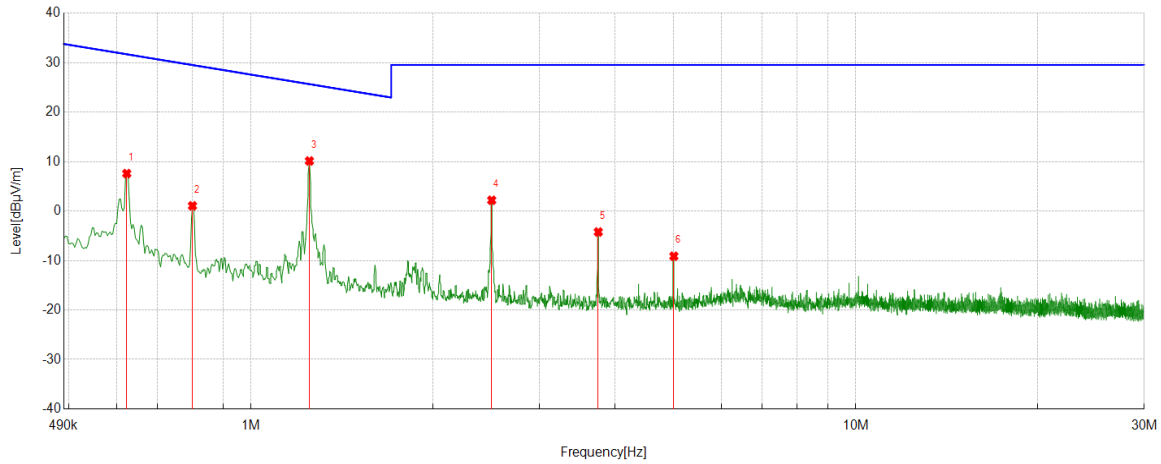
| Test Mode | Channel | Frequency Range | Verdict |
|-----------|---------|-----------------|---------|
| 11a | 5745 | 150kHz~490kHz | PASS |



| No. | Frequency | Reading Level | Correct Factor | Result | Limit | Margin | Remark |
|-----|-----------|---------------|----------------|----------|----------|--------|--------|
| | (MHz) | [dBuV] | [dB/m] | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 0.0574 | 25.48 | -61.60 | -36.12 | 32.42 | -68.54 | peak |
| 2 | 0.0621 | 27.07 | -61.61 | -34.54 | 31.74 | -66.28 | peak |
| 3 | 0.0633 | 27.33 | -61.61 | -34.28 | 31.57 | -65.85 | peak |
| 4 | 0.0665 | 27.95 | -61.61 | -33.66 | 31.15 | -64.81 | peak |
| 5 | 0.0677 | 28.80 | -61.61 | -32.81 | 31.00 | -63.81 | peak |
| 6 | 0.1274 | 13.27 | -61.72 | -48.45 | 25.50 | -73.95 | peak |

- Remark:
1. Measurement = Reading Level + Correct Factor.
 2. Result 300m= Result 3m-80 dBuV/m
 3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
 4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report

| Test Mode | Channel | Frequency Range | Verdict |
|-----------|---------|-----------------|---------|
| 11a | 5745 | 490kHz~30MHz | PASS |



| No. | Frequency (MHz) | Reading Level [dBuV] | Correct Factor [dB/m] | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|----------------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 1 | 0.6228 | 29.48 | -21.89 | 7.59 | 31.72 | -24.13 | peak |
| 2 | 0.7999 | 22.93 | -21.87 | 1.06 | 29.54 | -28.48 | peak |
| 3 | 1.2485 | 31.98 | -21.85 | 10.13 | 25.68 | -15.55 | peak |
| 4 | 2.4998 | 24.00 | -21.81 | 2.19 | 29.54 | -27.35 | peak |
| 5 | 3.7512 | 17.53 | -21.76 | -4.23 | 29.54 | -33.77 | peak |
| 6 | 5.0025 | 12.70 | -21.82 | -9.12 | 29.54 | -38.66 | peak |

- Remark: 1. Measurement = Reading Level + Correct Factor.
2. Result 30m= Result 3m-40 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report

8. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation

TEST SETUP AND PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

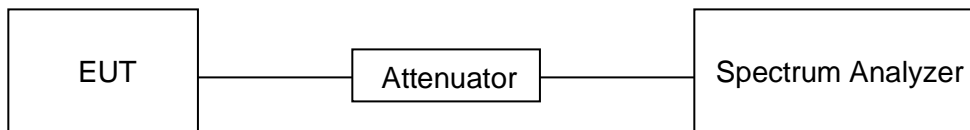
| | |
|------------------|--|
| Center Frequency | The center frequency of the channel under test |
| Detector | PEAK |
| RBW | 10kHz |
| VBW | $\geq 3 \times \text{RBW}$ |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Max hold |
| Sweep time | Auto |

Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

User manual temperature is -20°C~55°C.

TEST SETUP



TEST ENVIRONMENT

| Environment Parameter: | Selected Values During Tests | |
|------------------------|------------------------------|-----------|
| Relative Humidity: | 55 ~ 65% | |
| Atmospheric Pressure: | 101kPa | |
| Temperature: | TL | -20°C |
| | TN | 23 ~ 28°C |
| | TH | 55°C |
| Voltage: | VL | AC 102V |
| | VN | AC 120V |
| | VH | AC 138V |

Note: TL= Lower Extreme Temperature
TN= Normal Temperature
TH= Upper Extreme Temperature
VL= Lower Extreme Test Voltage
VN= Nominal Voltage
VH= Upper Extreme Test Voltage

TEST RESULTS

Not applicable, the customer will declare the extreme used temperature and voltage in the user manual.

TEST RESULTS (WORST-CASE CONFIGURATION)

Frequency Error vs. Voltage:

| Frequency Error vs. Temperature | | | | | | | | | |
|---------------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 802.11a: 5200 MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) |
| TN | VL | -12000.00 | -2.307692 | -6000.00 | -1.153846 | -10000.00 | -1.923077 | -12000.00 | -2.307692 |
| TN | VN | -14000.00 | -2.692308 | -4000.00 | -0.769231 | -10000.00 | -1.923077 | -6000.00 | -1.153846 |
| TN | VH | -10000.00 | -1.923077 | -14000.00 | -2.692308 | -14000.00 | -2.692308 | -22000.00 | -4.230769 |

Frequency Error vs. Temperature:

| Frequency Error vs. Temperature | | | | | | | | | |
|---------------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 802.11a: 5200 MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) |
| 55 | VN | -2000.00 | -0.384615 | -12000.00 | -2.307692 | -14000.00 | -2.692308 | -14000.00 | -2.692308 |
| 45 | VN | -14000.00 | -2.692308 | -6000.00 | -1.153846 | -16000.00 | -3.076923 | -8000.00 | -1.538462 |
| 35 | VN | -8000.00 | -1.538462 | -10000.00 | -1.923077 | -8000.00 | -1.538462 | -14000.00 | -2.692308 |
| 25 | VN | -2000.00 | -0.384615 | -18000.00 | -3.461538 | -26000.00 | -5.000000 | -12000.00 | -2.307692 |
| 15 | VN | -6000.00 | -1.153846 | -18000.00 | -3.461538 | -12000.00 | -2.307692 | -10000.00 | -1.923077 |
| 5 | VN | -16000.00 | -3.076923 | -28000.00 | -5.384615 | -22000.00 | -4.230769 | -16000.00 | -3.076923 |
| -5 | VN | -6000.00 | -1.153846 | -20000.00 | -3.846154 | -12000.00 | -2.307692 | -16000.00 | -3.076923 |
| -15 | VN | -18000.00 | -3.461538 | -18000.00 | -3.461538 | -14000.00 | -2.692308 | -14000.00 | -2.692308 |
| -20 | VN | -8000.00 | -1.538462 | -10000.00 | -1.923077 | -14000.00 | -2.692308 | -12000.00 | -2.307692 |

Remark: All the modulation and channels had been tested, but only the worst data recorded in the report.

Frequency Error vs. Voltage:

| Frequency Error vs. Temperature | | | | | | | | | |
|---------------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 802.11a: 5825 MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) |
| TN | VL | -8000.00 | -1.373391 | -10000.00 | -1.716738 | -10000.00 | -1.716738 | -6000.00 | -1.030043 |
| TN | VN | -16000.00 | -2.746781 | -18000.00 | -3.090129 | -8000.00 | -1.373391 | -2000.00 | -0.343348 |
| TN | VH | -12000.00 | -2.060086 | -14000.00 | -2.403433 | -8000.00 | -1.373391 | -22000.00 | -3.776824 |

Frequency Error vs. Temperature:

| Frequency Error vs. Temperature | | | | | | | | | |
|---------------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 802.11a: 5825 MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) | Freq.Error (Hz) | Tolerance (ppm) |
| 55 | VN | -12000.00 | -2.060086 | -8000.00 | -1.373391 | -4000.00 | -0.686695 | -8000.00 | -1.373391 |
| 45 | VN | -2000.00 | -0.343348 | -22000.00 | -3.776824 | -10000.00 | -1.716738 | -6000.00 | -1.030043 |
| 35 | VN | -4000.00 | -0.686695 | -12000.00 | -2.060086 | -4000.00 | -0.686695 | -8000.00 | -1.373391 |
| 25 | VN | -8000.00 | -1.373391 | -16000.00 | -2.746781 | -20000.00 | -3.433476 | -14000.00 | -2.403433 |
| 15 | VN | -6000.00 | -1.030043 | -12000.00 | -2.060086 | -8000.00 | -1.373391 | -6000.00 | -1.030043 |
| 5 | VN | -2000.00 | -0.343348 | -20000.00 | -3.433476 | -12000.00 | -2.060086 | -10000.00 | -1.716738 |
| -5 | VN | 2000.00 | 0.343348 | -6000.00 | -1.030043 | -12000.00 | -2.060086 | -10000.00 | -1.716738 |
| -15 | VN | -4000.00 | -0.686695 | -10000.00 | -1.716738 | -8000.00 | -1.373391 | -8000.00 | -1.373391 |
| -20 | VN | -2000.00 | -0.343348 | -10000.00 | -1.716738 | -10000.00 | -1.716738 | -10000.00 | -1.716738 |

Remark: All the modulation and channels had been tested, but only the worst data recorded in the report.

9. DYNAMIC FREQUENCY SELECTION

APPLICABILITY OF DFS REQUIREMENTS

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

| Requirement | Operational Mode | | |
|---------------------------------|---------------------------------|--|--|
| | <input type="checkbox"/> Master | <input checked="" type="checkbox"/> Client Without Radar Detection | <input type="checkbox"/> Client With Radar Detection |
| Non-Occupancy Period | Yes | Not required | Yes |
| DFS Detection Threshold | Yes | Not required | Yes |
| Channel Availability Check Time | Yes | Not required | Not required |
| U-NII Detection Bandwidth | Yes | Not required | Yes |

Table 2: Applicability of DFS requirements during normal operation

| Requirement | Operational Mode | |
|-----------------------------------|---|--|
| | <input type="checkbox"/> Master Device or Client with Radar Detection | <input checked="" type="checkbox"/> Client Without Radar Detection |
| DFS Detection Threshold | Yes | Not required |
| Channel Closing Transmission Time | Yes | Yes |
| Channel Move Time | Yes | Yes |
| U-NII Detection Bandwidth | Yes | Not required |

| Additional requirements for devices with multiple bandwidth modes | <input type="checkbox"/> Master Device or Client with Radar Detection | <input checked="" type="checkbox"/> Client Without Radar Detection |
|---|---|--|
| U-NII Detection Bandwidth and Statistical Performance Check | All BW modes must be tested | Not required |
| Channel Move Time and Channel Closing Transmission Time | Test using widest BW mode available | Test using the widest BW mode available for the link |
| All other tests | Any single BW mode | Not required |

Remark: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

LIMITS

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

| Maximum Transmit Power | Value (See Remarks 1, 2, and 3) |
|--|---------------------------------|
| EIRP \geq 200 milliwatt | -64 dBm |
| EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz | -62 dBm |
| EIRP < 200 milliwatt that do not meet the power spectral density requirement | -64 dBm |
| <p>Remark 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p>Remark 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.</p> <p>Remark3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> | |

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

| Parameter | Value |
|--|---|
| Non-occupancy period | Minimum 30 minutes |
| Channel Availability Check Time | 60 seconds |
| Channel Move Time | 10 seconds See Remark 1. |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Remarks 1 and 2. |
| U-NII Detection Bandwidth | Minimum 100% of the U-NII 99% transmission power bandwidth. See Remark 3. |
| <p>Remark 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Remark 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Remark 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p> | |

PARAMETERS OF RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

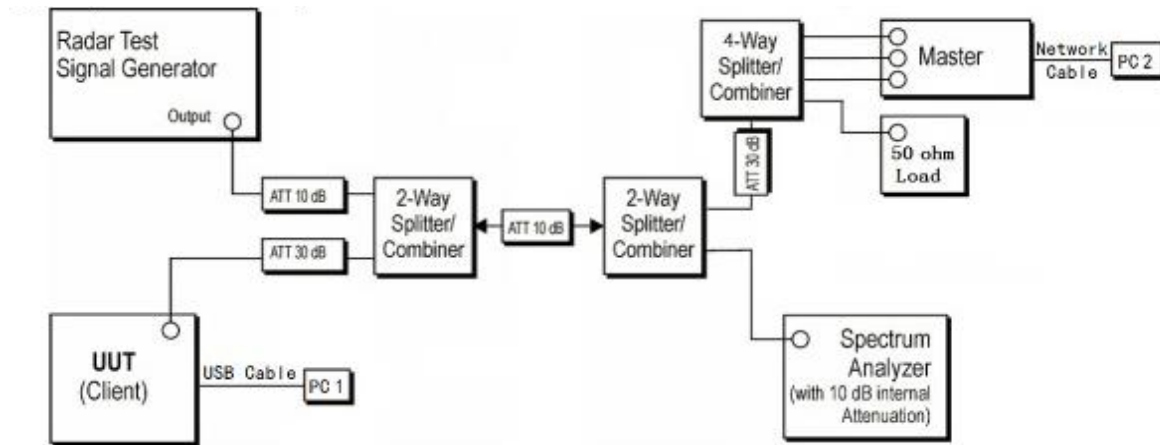
Table 5 Short Pulse Radar Test Waveforms

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Number of Pulses | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|--|--------------------|------------|--|--|--------------------------|
| 0 | 1 | 1428 | 18 | See Note 1 | See Note 1 |
| 1 | 1 | Test A | Roundup $\left\{ \left(\frac{1}{360} \right), \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 60% | 30 |
| | | Test B | | | |
| 2 | 1-5 | 150-230 | 23-29 | 60% | 30 |
| 3 | 6-10 | 200-500 | 16-18 | 60% | 30 |
| 4 | 11-20 | 200-500 | 12-16 | 60% | 30 |
| Aggregate (Radar Types 1-4) | | | | 80% | 120 |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A | | | | | |

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

TEST SETUP

Setup for Client with injection at the Master

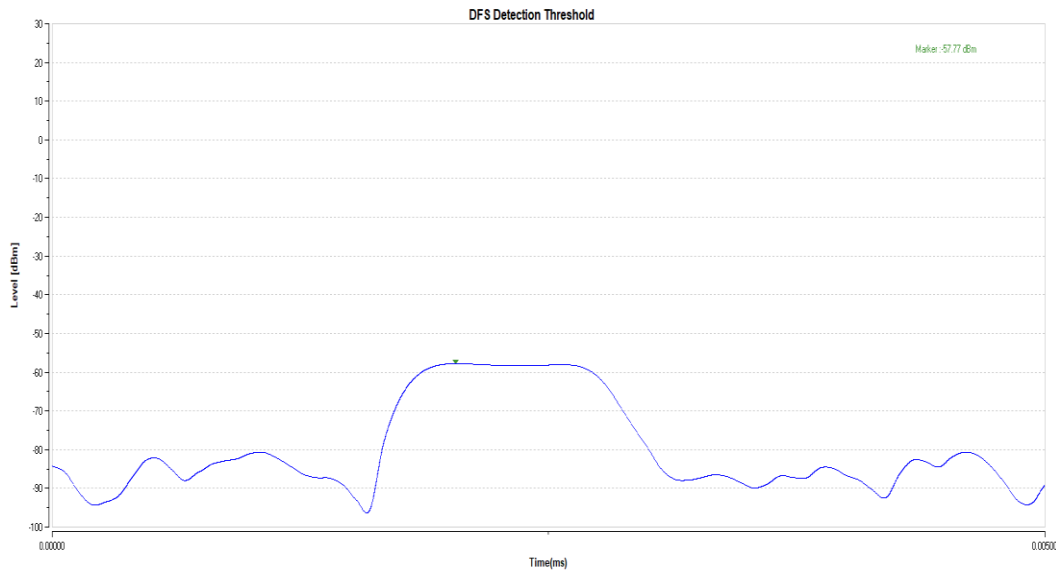
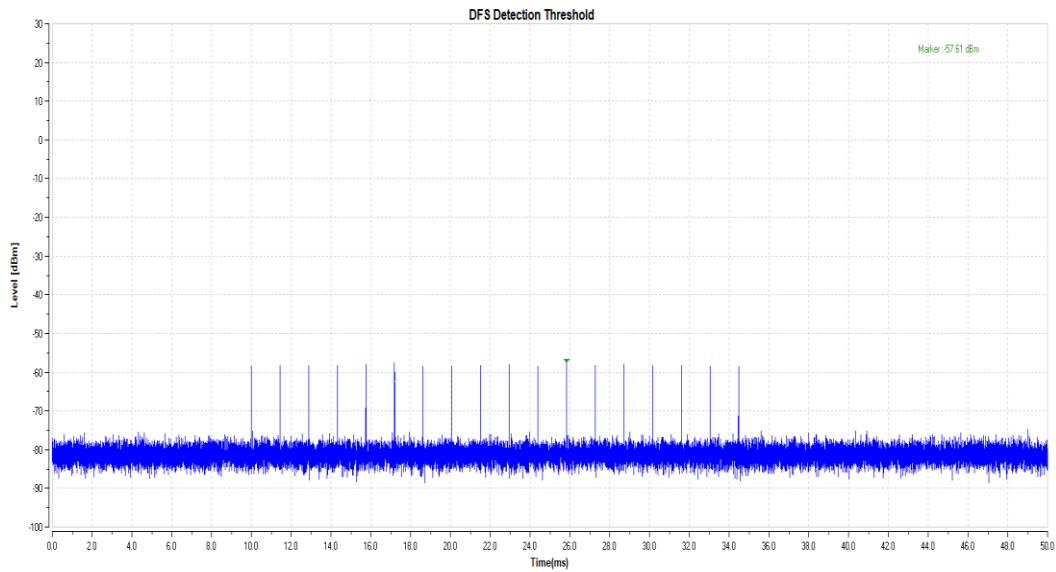


TEST ENVIRONMENT

| Environment Parameter | Selected Values During Tests |
|-----------------------|------------------------------|
| Relative Humidity | 60% |
| Atmospheric Pressure: | 101kPa |
| Temperature | 22.2°C |
| Test Voltage | AC 120V |
| Test Date | 09/15/2024 |

TEST RESULTS

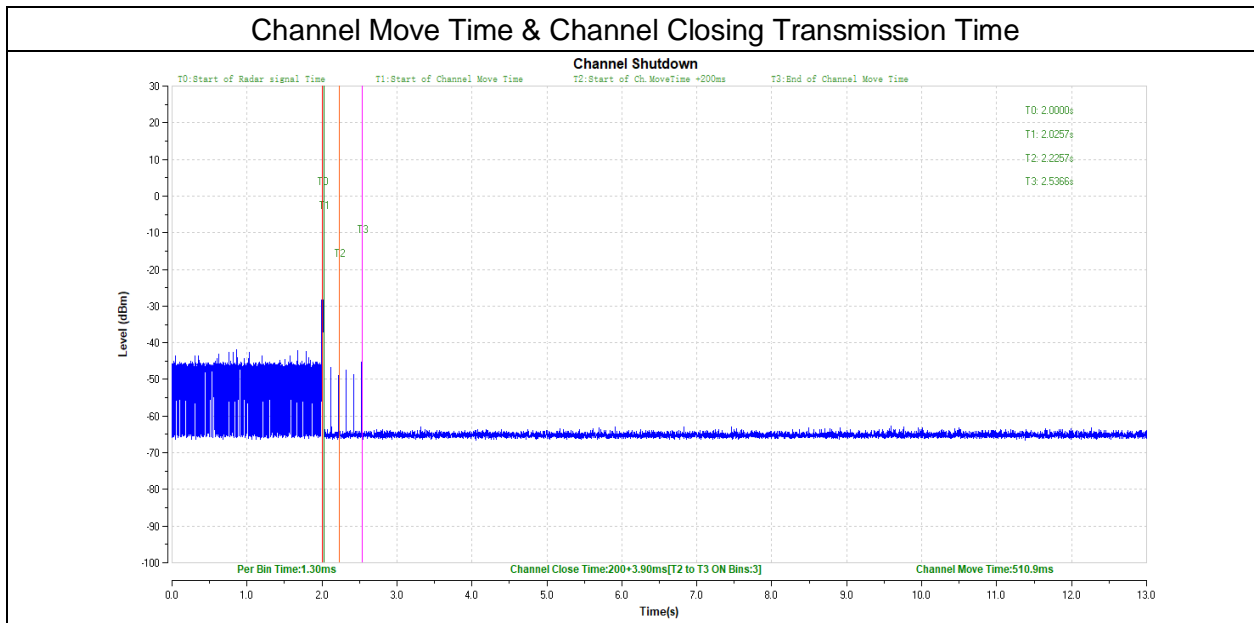
| Test Mode | Channel | Radar Type | Result | Limit [dBm] | Verdict |
|------------|---------|------------|--------|-------------|---------|
| 11ac VHT40 | 5510 | Type 0 | -57.61 | -57.60 | Pass |



Test Data

| BW/Channel | Test Item | Test Result | Limit | Results |
|-----------------|-----------------------------------|----------------|---|---------|
| 40MHz / 5510MHz | Channel Move Time | 0.5109 s | <10 s | pass |
| | Channel Closing Transmission Time | 200 ms+3.90 ms | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. | pass |

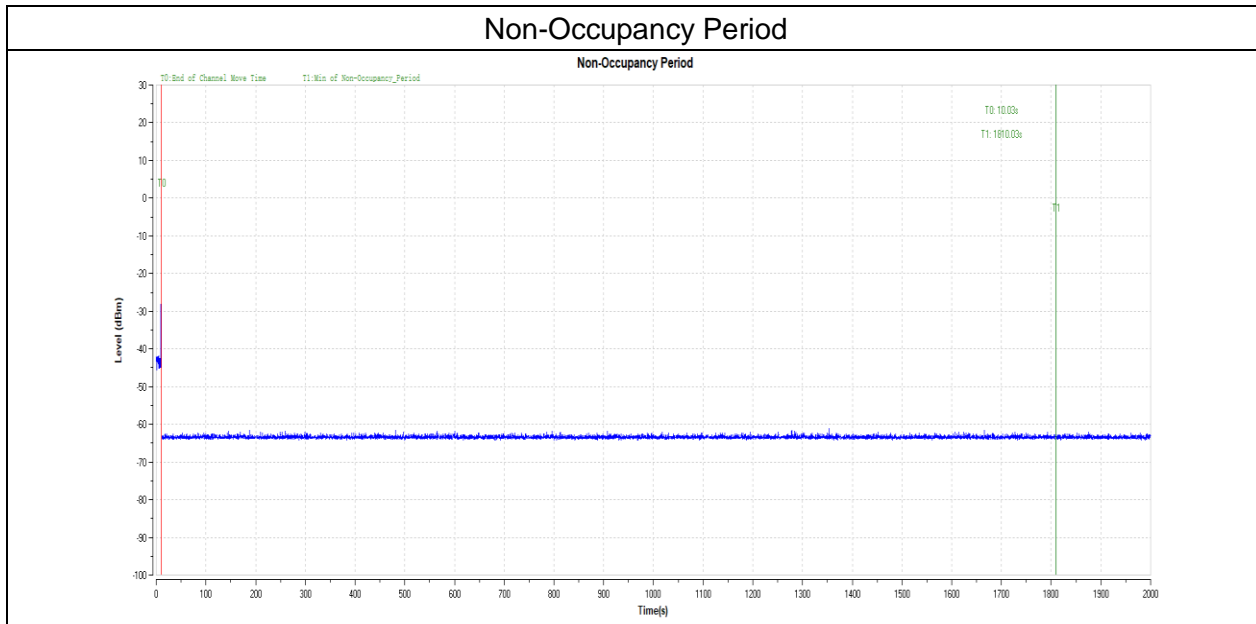
Test plots as follows:



Note: All the modulation and channels had been tested, but only the worst data recorded in the report.

| BW/Channel | Test Item | Test Result | Limit | Results |
|-----------------|----------------------|----------------|-------|---------|
| 40MHz / 5510MHz | Non-Occupancy Period | see test graph | ≥1800 | PASS |

Test plots as follows:



Note: All the modulation and channels had been tested, but only the worst data recorded in the report.

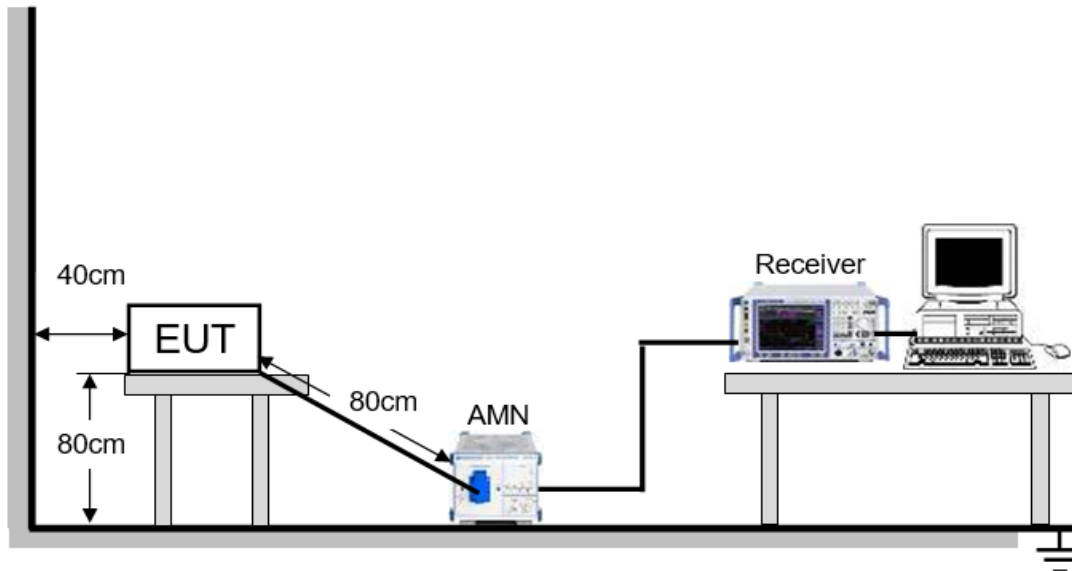
10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

| FREQUENCY (MHz) | Limit (dBuV) | |
|-----------------|--------------|-----------|
| | Quasi-peak | Average |
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * |
| 0.50 -5.0 | 56.00 | 46.00 |
| 5.0 -30.0 | 60.00 | 50.00 |

TEST SETUP AND PROCEDURE



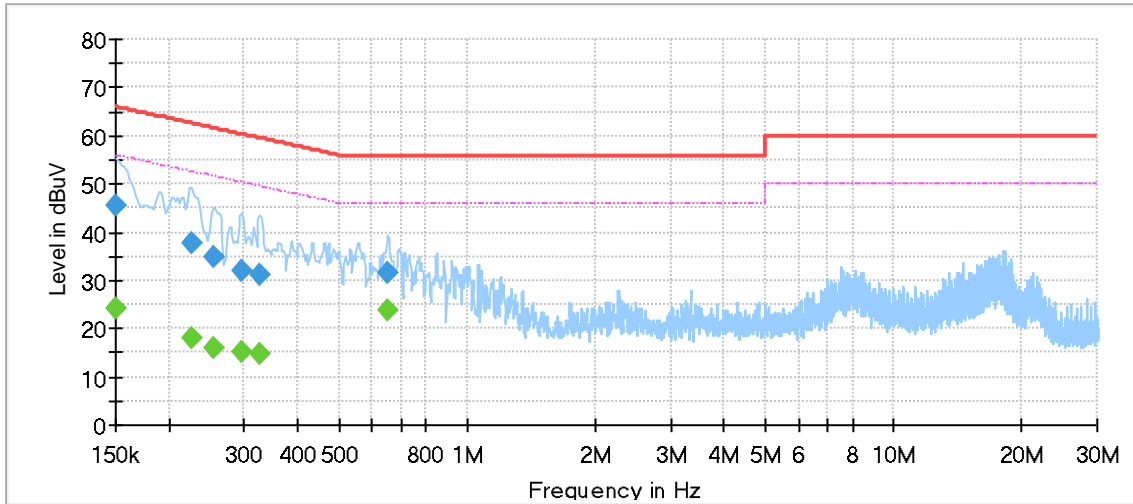
The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST ENVIRONMENT

| Environment Parameter | Selected Values During Tests |
|-----------------------|------------------------------|
| Relative Humidity | 65% |
| Atmospheric Pressure: | 100.2kPa |
| Temperature | 25°C |
| Test Voltage | AC 120V |
| Test Date | 09/13/2024 |

LINE L RESULTS (WORST-CASE CONFIGURATION)

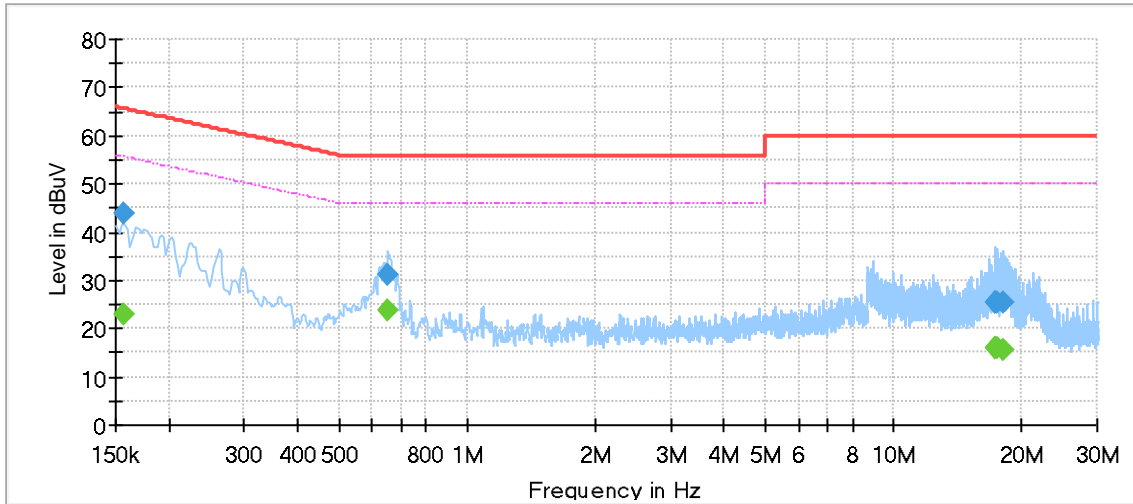


Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.150000 | --- | 24.06 | 56.00 | 31.94 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.150000 | 45.37 | --- | 66.00 | 20.63 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.227113 | --- | 18.08 | 52.56 | 34.47 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.227113 | 37.65 | --- | 62.56 | 24.91 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.254475 | --- | 16.19 | 51.61 | 35.42 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.254475 | 34.93 | --- | 61.61 | 26.68 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.296763 | --- | 15.35 | 50.33 | 34.98 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.296763 | 31.94 | --- | 60.33 | 28.39 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.326613 | --- | 14.66 | 49.54 | 34.88 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.326613 | 30.98 | --- | 59.54 | 28.56 | 1000.0 | 9.000 | L1 | OFF | 9.6 |
| 0.649988 | --- | 23.70 | 46.00 | 22.30 | 1000.0 | 9.000 | L1 | OFF | 9.5 |
| 0.649988 | 31.79 | --- | 56.00 | 24.21 | 1000.0 | 9.000 | L1 | OFF | 9.5 |

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the 5745MHz of 11a mode which is the worst case, so only the worst case is included in this test report.

LINE N RESULTS (WORST-CASE CONFIGURATION)



Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.157463 | --- | 22.97 | 55.60 | 32.62 | 1000.0 | 9.000 | N | OFF | 9.6 |
| 0.157463 | 43.95 | --- | 65.60 | 21.65 | 1000.0 | 9.000 | N | OFF | 9.6 |
| 0.652475 | --- | 23.77 | 46.00 | 22.23 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 0.652475 | 31.17 | --- | 56.00 | 24.83 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.303800 | --- | 15.84 | 50.00 | 34.16 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.303800 | 25.33 | --- | 60.00 | 34.67 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.361013 | --- | 16.11 | 50.00 | 33.89 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.361013 | 25.61 | --- | 60.00 | 34.39 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.540113 | --- | 15.80 | 50.00 | 34.20 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.540113 | 25.40 | --- | 60.00 | 34.60 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.990350 | --- | 15.64 | 50.00 | 34.36 | 1000.0 | 9.000 | N | OFF | 9.5 |
| 17.990350 | 25.38 | --- | 60.00 | 34.62 | 1000.0 | 9.000 | N | OFF | 9.5 |

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the 5745MHz of 11a mode which is the worst case, so only the worst case is included in this test report.

11. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA GAIN

The antenna gain of EUT is more than 6 dBi, so the power and power density limit shall be reduced amount in dB that the directional gain of the antenna exceeds 6dBi.

END OF REPORT