



FCC RADIO TEST REPORT

FCC ID : 2AGOZ-H38W
Equipment : Portal Go
Brand Name : FACEBOOK
Model Name : TN49KC
Applicant : Facebook Technologies, LLC
1 Hacker Way, Menlo Park, CA 94025, USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on May 04, 2021 and testing was started from May 05, 2021 and completed on Aug. 19, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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History of this test report

| Report No. | Version | Description | Issued Date |
|--------------|---------|-------------------------|---------------|
| FR131119-01D | 01 | Initial issue of report | Jun. 08, 2021 |
| FR131119-01D | 02 | Revise test data | Aug. 20, 2021 |
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Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|---------------------|--|--------------------|---|
| 3.1 | 15.403(i) | 26dB Bandwidth | Pass | - |
| 3.1 | 2.1049 | 99% Occupied Bandwidth | Reporting only | - |
| 3.2 | 15.407(a) | Maximum Conducted Output Power | Pass | - |
| 3.3 | 15.407(a) | Power Spectral Density | Pass | - |
| 3.4 | 15.407(b) | Unwanted Emissions | Pass | Under limit 1.54 dB at 5458.720 MHz |
| 3.5 | 15.207 | AC Conducted Emission | Pass | Under limit 14.41 dB at 0.501 MHz |
| 3.6 | 15.407(c) | Automatically Discontinue Transmission | Pass | - |
| 3.7 | 15.203 15.407(a) | Antenna Requirement | Pass | - |

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Danny Lee

Report Producer: Tina Chuang



1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n and Wi-Fi 5GHz 802.11a/n/ac.

| Product Specification subjective to this standard | |
|---|---|
| Antenna Type | WLAN <Main>: Monopole Antenna <Aux.>: PIFA Antenna Bluetooth: PIFA Antenna |

| Antenna information | | |
|---------------------|-----------------|--------------------------|
| 5150 MHz ~ 5250 MHz | Peak Gain (dBi) | Main: 3.9 Aux.: 2.75 |
| 5250 MHz ~ 5350 MHz | Peak Gain (dBi) | Main: 3.28 Aux.: 3.01 |
| 5470 MHz ~ 5725 MHz | Peak Gain (dBi) | Main: 3.05 Aux.: 3.58 |

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2 Modification of EUT

No modifications are made to the EUT during all test items.



1.3 Testing Location

| | |
|---------------------------|---|
| Test Site | Sporton International Inc. EMC & Wireless Communications Laboratory |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978 |
| Test Site No. | Sporton Site No. TH02-HY, CO05-HY, DFS02-HY |

Note: The test site complies with ANSI C63.4 2014 requirement.

| | |
|---------------------------|--|
| Test Site | Sporton International Inc. Wensan Laboratory |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855 |
| Test Site No. | Sporton Site No. 03CH11-HY (TAF Code: 3786) |
| Remark | The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory |

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|--------------------------------------|---------|-------------|---------|-------------|
| 5150-5250 MHz Band 1 (U-NII-1) | 36 | 5180 | 44 | 5220 |
| | 38* | 5190 | 46* | 5230 |
| | 40 | 5200 | 48 | 5240 |
| | 42# | 5210 | | |

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------------------------------------|---------|-------------|---------|-------------|
| 5250-5350 MHz Band 2 (U-NII-2A) | 52 | 5260 | 60 | 5300 |
| | 54* | 5270 | 62* | 5310 |
| | 56 | 5280 | 64 | 5320 |
| | 58# | 5290 | | |

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------------------------------------|---------|-------------|---------|-------------|
| 5470-5725 MHz Band 3 (U-NII-2C) | 100 | 5500 | 112 | 5560 |
| | 102* | 5510 | 116 | 5580 |
| | 104 | 5520 | 132 | 5660 |
| | 106# | 5530 | 134* | 5670 |
| | 108 | 5540 | 136 | 5680 |
| | 110* | 5550 | 140 | 5700 |



| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|----------------|---------|-------------|---------|-------------|
| TDWR Channel | 118* | 5590 | 124 | 5620 |
| | 120 | 5600 | 126* | 5630 |
| | 122# | 5610 | 128 | 5640 |

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|------------------|---------|-------------|---------|-------------|
| Straddle Channel | 138# | 5690 | 144 | 5720 |
| | 142* | 5710 | | |

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40
2. The above Frequency and Channel in "#n" were 802.11ac VHT80

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

MIMO Mode

| Modulation | Data Rate |
|---------------------------------|-----------|
| 802.11a | 6 Mbps |
| 802.11n HT20 (Covered by VHT20) | MCS0 |
| 802.11n HT40 (Covered by VHT40) | MCS0 |
| 802.11ac VHT20 | MCS0 |
| 802.11ac VHT40 | MCS0 |
| 802.11ac VHT80 | MCS0 |

| Test Cases | |
|-----------------------|---|
| AC Conducted Emission | Mode 1 : WLAN (5GHz) Link + Bluetooth Link + H-Pattern + Docking (Charging from AC Adapter) |



| Ch. # | | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
| | | 802.11a | 802.11a | 802.11a |
| L | Low | 36 | 52 | 100 |
| M | Middle | 44 | 60 | 116 |
| H | High | 48 | 64 | 140 |
| Straddle | | - | - | 144 |

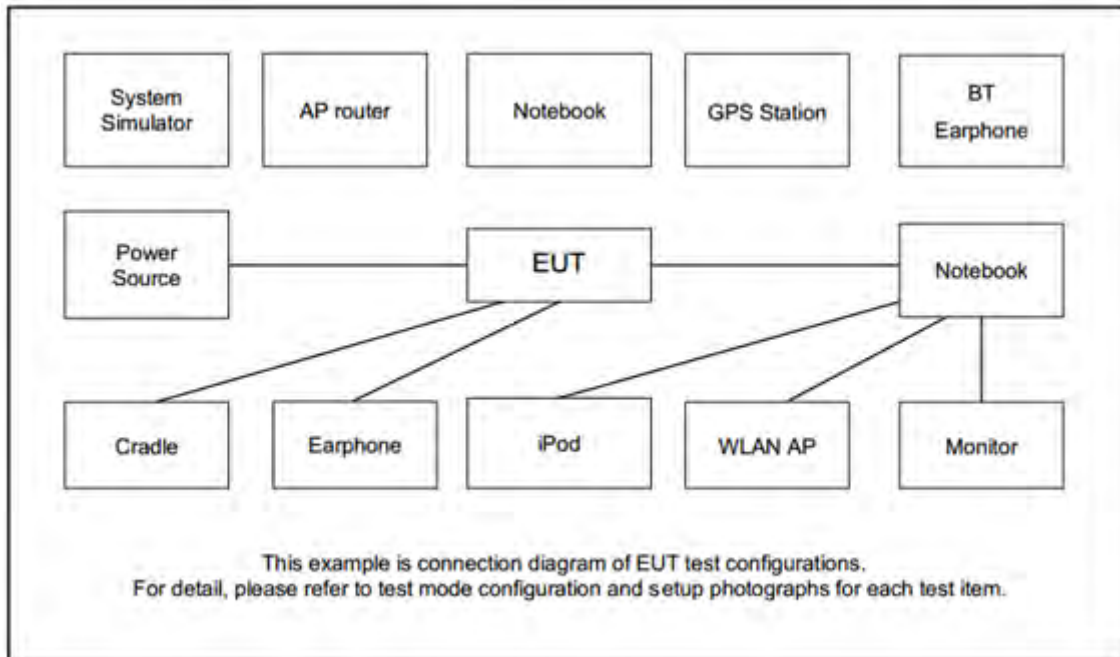
| Ch. # | | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
| | | 802.11ac VHT20 | 802.11ac VHT20 | 802.11ac VHT20 |
| L | Low | 36 | 52 | 100 |
| M | Middle | 44 | 60 | 116 |
| H | High | 48 | 64 | 140 |
| Straddle | | - | - | 144 |

| Ch. # | | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
| | | 802.11ac VHT40 | 802.11ac VHT40 | 802.11ac VHT40 |
| L | Low | 38 | 54 | 102 |
| M | Middle | - | - | 110 |
| H | High | 46 | 62 | 134 |
| Straddle | | - | - | 142 |

| Ch. # | | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
| | | 802.11ac VHT80 | 802.11ac VHT80 | 802.11ac VHT80 |
| L | Low | - | - | 106 |
| M | Middle | 42 | 58 | - |
| H | High | - | - | 122 |
| Straddle | | - | - | 138 |

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|--------------------|---------------|---------------|-------------|------------|--|
| 1. | Bluetooth Earphone | Sony Ericsson | MW600 | PY7DDA-2029 | N/A | N/A |
| 2. | WLAN AP | ASUS | RT-AC66U | MSQ-RTAC66U | N/A | Unshielded, 1.8 m |
| 3. | Notebook | Dell | Latitude 3400 | FCC DoC | N/A | AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m |



2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V4.0.00113” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

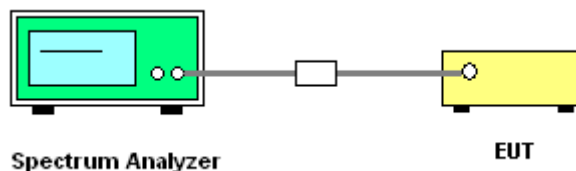
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

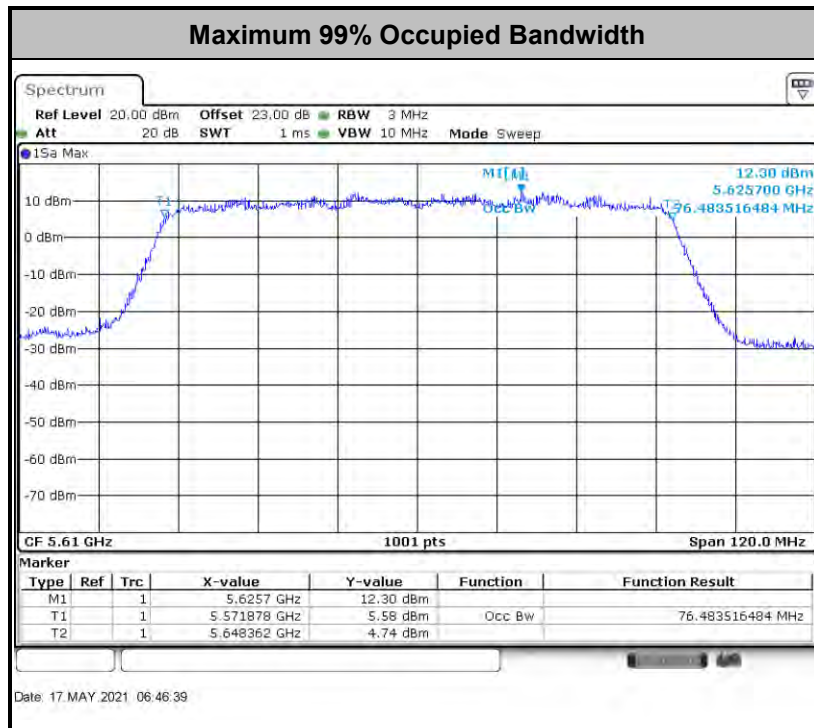
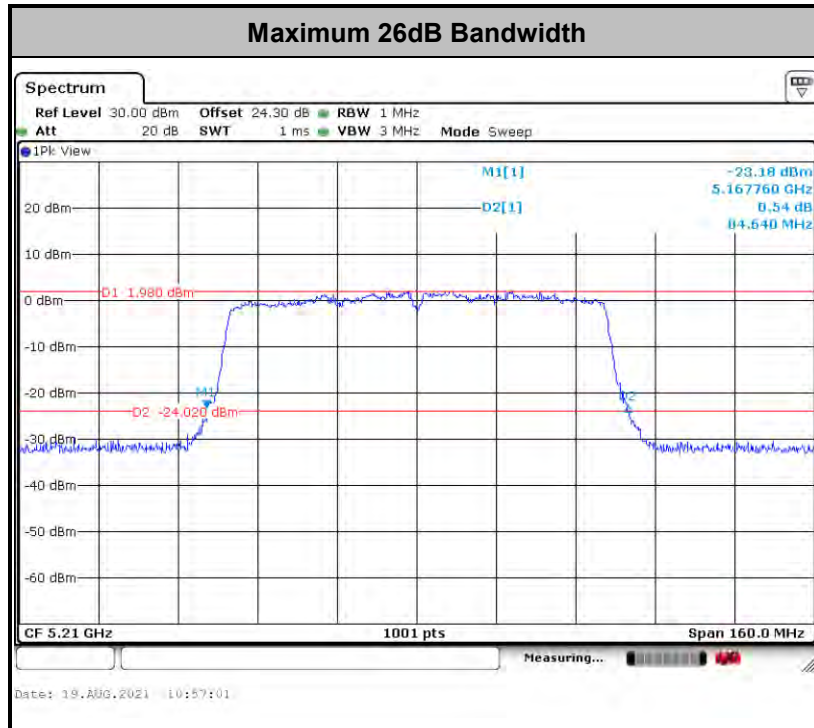
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

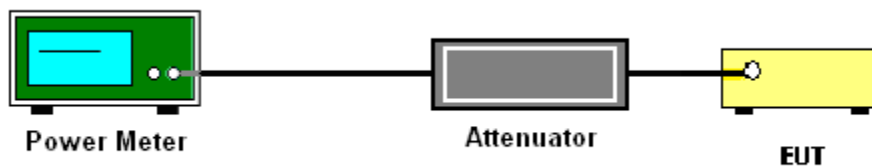
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

Method SA-3

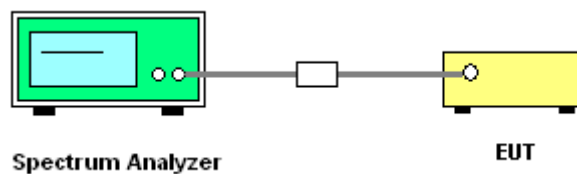
(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW \geq 3 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Sweep time \leq (number of points in sweep) \times T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

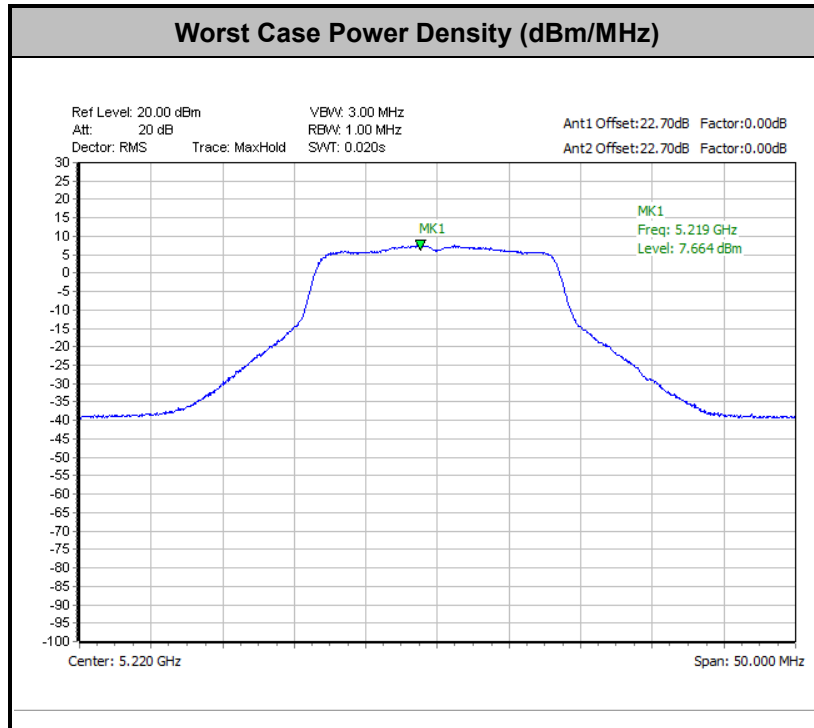
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.





3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009 – 0.490 | 2400/F(kHz) | 300 |
| 0.490 – 1.705 | 24000/F(kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 – 88 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$



| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|------------|-------------------------------|
| - 27 | 68.3 |

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

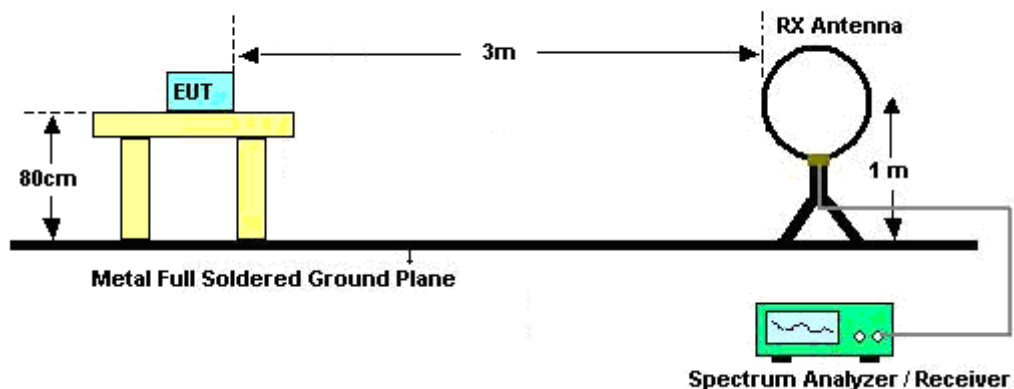
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

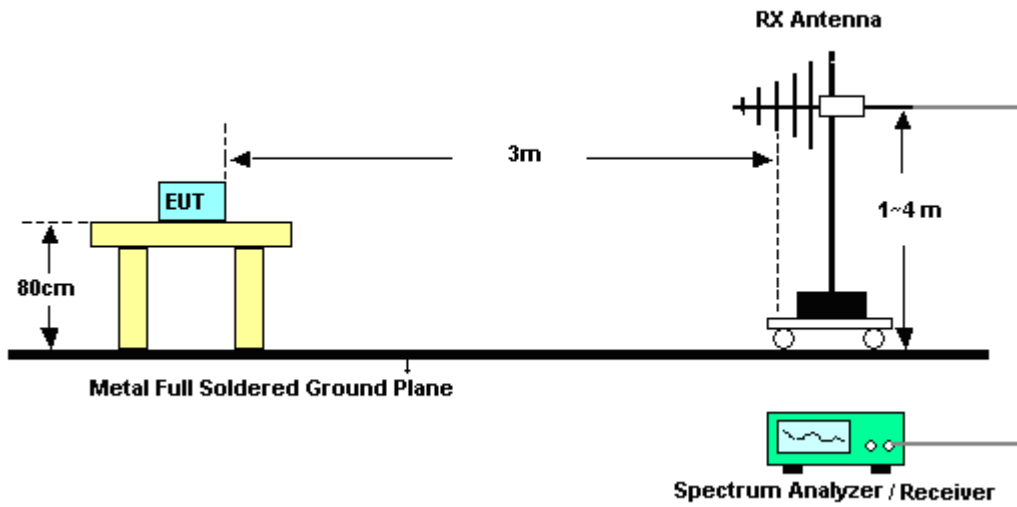
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

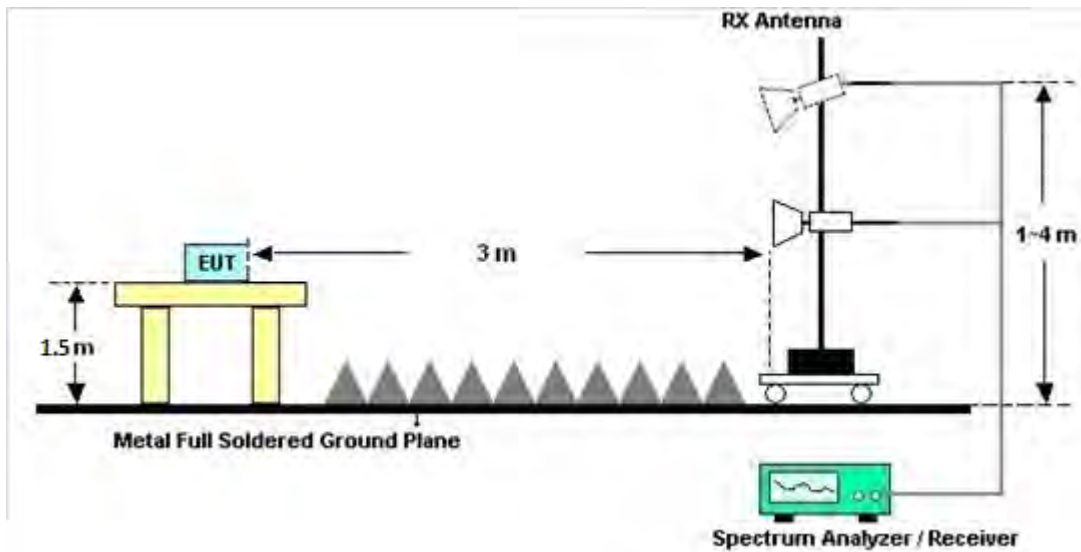
For radiated emissions below 30MHz



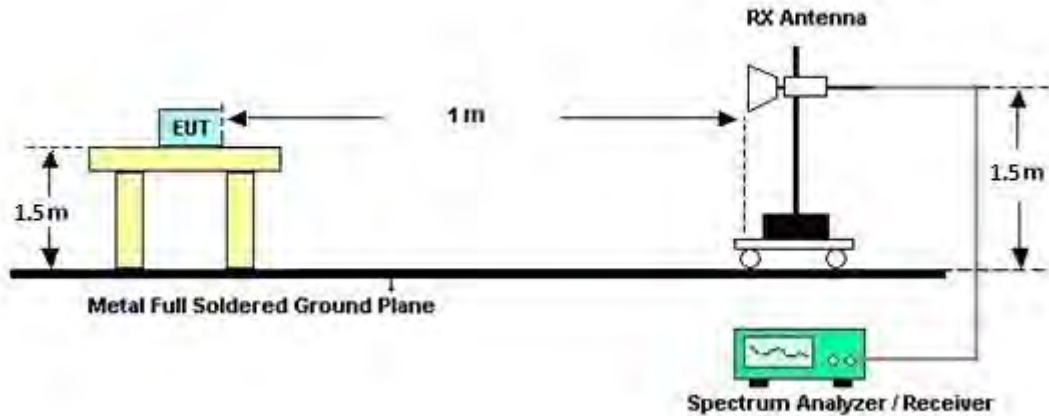
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dB μ V) | |
|-----------------------------|------------------------------|-----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

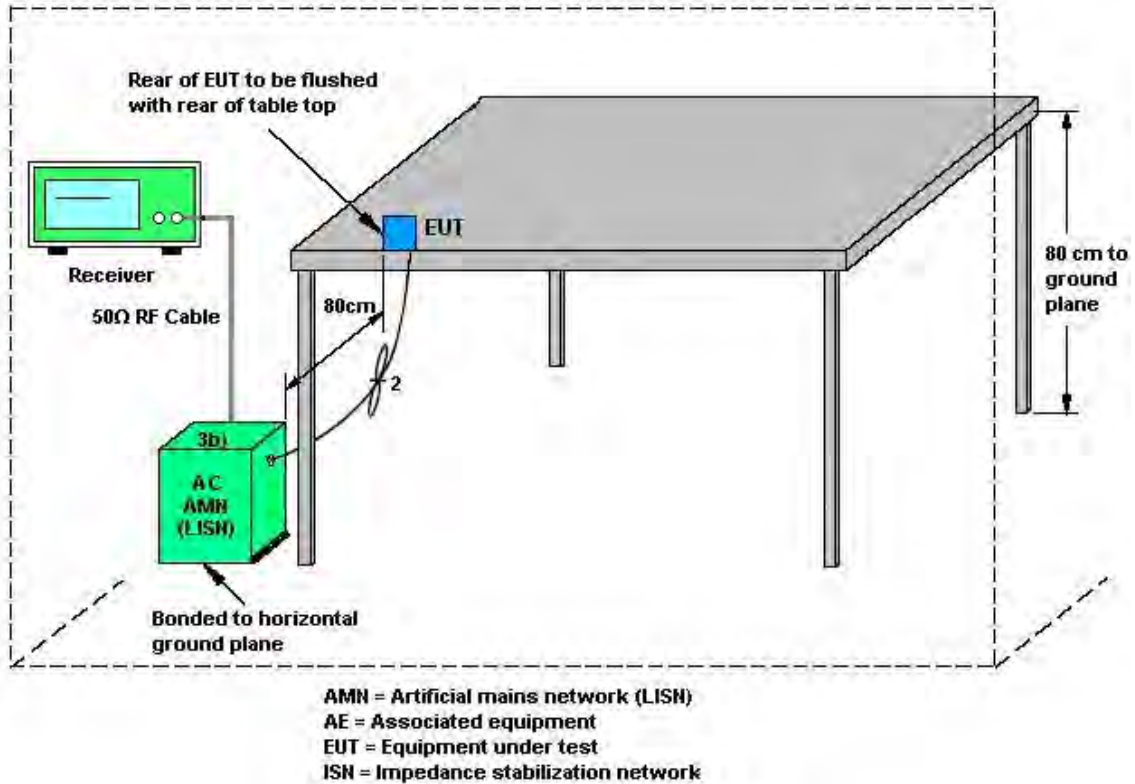
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

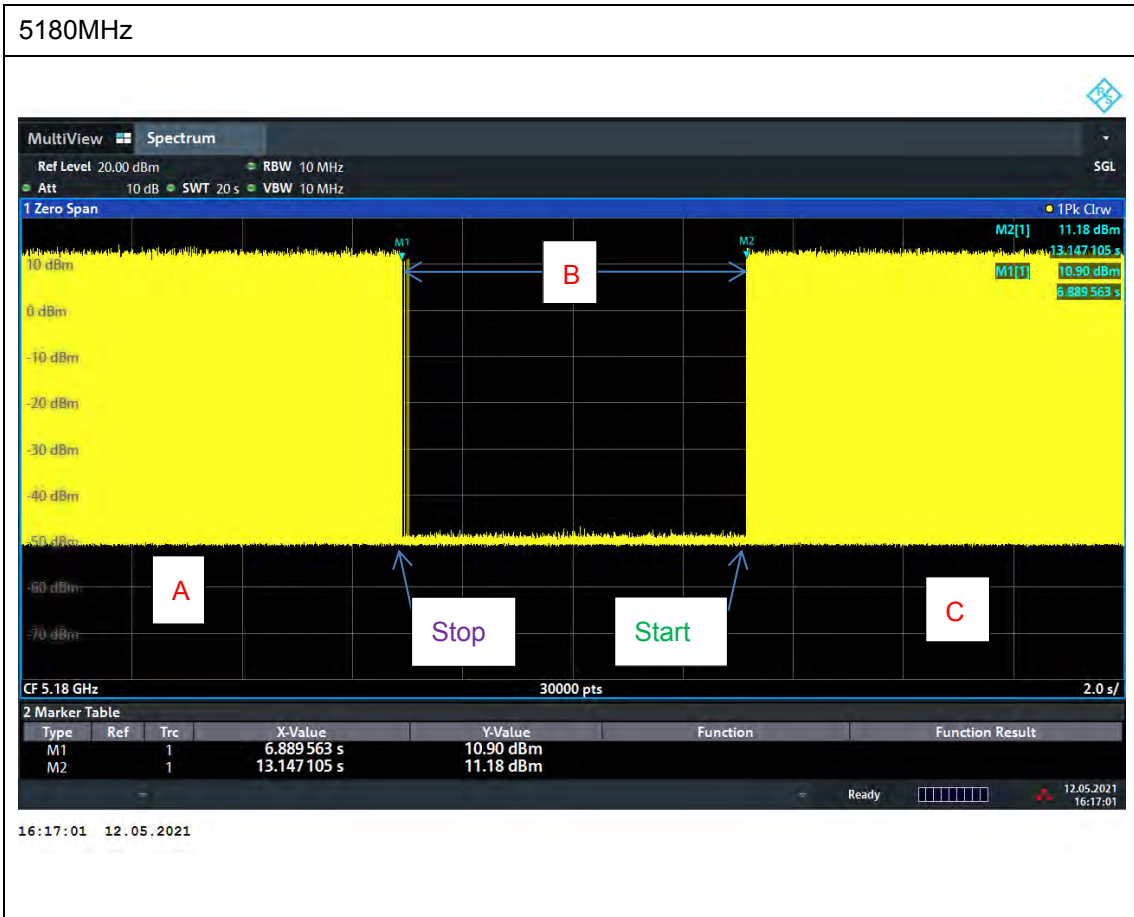
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- A. Information start: make EUT supply information to the access point.
- B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



Note: The control / signalling information during the period B is precluded.



3.7 Antenna Requirements

3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

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

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

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

| <CDD Modes> | | | | | | |
|-------------|--------|--------|-------|-------|-----------|-----------|
| | | | DG | DG | Power | PSD |
| | | | for | for | Limit | Limit |
| | Ant. 1 | Ant. 2 | Power | PSD | Reduction | Reduction |
| | (dBi) | (dBi) | (dBi) | (dBi) | (dB) | (dB) |
| Band I | 2.75 | 3.90 | 3.90 | 6.35 | 0.00 | 0.35 |
| Band II | 3.01 | 3.28 | 3.28 | 6.16 | 0.00 | 0.16 |
| Band III | 3.58 | 3.05 | 3.58 | 6.33 | 0.00 | 0.33 |

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)



4 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|--------------------------|--------------------|--------------------------------------|---------------------|-----------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100315 | 9 kHz~30 MHz | Jan. 04, 2021 | May 07, 2021~ Aug. 18, 2021 | Jan. 03, 2022 | Radiation (03CH11-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & N-6-06 | 35414 & AT-N0602 | 30MHz~1GHz | Oct. 11, 2020 | May 07, 2021~ Aug. 18, 2021 | Oct. 10, 2021 | Radiation (03CH11-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-132 6 | 1GHz ~ 18GHz | Nov. 03, 2020 | May 07, 2021~ Aug. 18, 2021 | Nov. 02, 2021 | Radiation (03CH11-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA9170 | 00994 | 18GHz~40GHz | Nov. 19, 2020 | May 07, 2021~ Aug. 18, 2021 | Nov. 18, 2021 | Radiation (03CH11-HY) |
| Amplifier | SONOMA | 310N | 187312 | 9kHz~1GHz | Dec. 02, 2020 | May 07, 2021~ Aug. 18, 2021 | Dec. 01, 2021 | Radiation (03CH11-HY) |
| Preamplifier | EMEC | EM1G18G | 060812 | 1GHz~18GHz | Oct. 27, 2020 | May 07, 2021~ Aug. 18, 2021 | Oct. 26, 2021 | Radiation (03CH11-HY) |
| Preamplifier | Keysight | 83017A | MY532700 80 | 1GHz~26.5GHz | Nov. 12, 2020 | May 07, 2021~ Aug. 18, 2021 | Nov. 11, 2021 | Radiation (03CH11-HY) |
| Preamplifier | EMEC | EM18G40G | 060801 | 18GHz~40GHz | Jun. 15, 2020 | May 07, 2021~ Jun. 13, 2021 | Jun. 14, 2021 | Radiation (03CH11-HY) |
| Preamplifier | EMEC | EM18G40G | 060801 | 18GHz~40GHz | Jun. 22, 2021 | Jun. 22, 2021~ Aug. 18, 2021 | Jun. 21, 2022 | Radiation (03CH11-HY) |
| Spectrum Analyzer | Keysight | N9010A | MY542004 86 | 10Hz~44GHz | Oct. 23, 2020 | May 07, 2021~ Aug. 18, 2021 | Oct. 22, 2021 | Radiation (03CH11-HY) |
| Antenna Mast | EMEC | AM-BS-4500- B | N/A | 1~4m | N/A | May 07, 2021~ Aug. 18, 2021 | N/A | Radiation (03CH11-HY) |
| Turn Table | EMEC | TT 2000 | N/A | 0~360 Degree | N/A | May 07, 2021~ Aug. 18, 2021 | N/A | Radiation (03CH11-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-00105 3 | N/A | N/A | May 07, 2021~ Aug. 18, 2021 | N/A | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4 PE | 9kHz-30MHz | Mar. 11, 2021 | May 07, 2021~ Aug. 18, 2021 | Mar. 10, 2022 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | MY2859/2 | 30MHz-40GHz | Mar. 11, 2021 | May 07, 2021~ Aug. 18, 2021 | Mar. 10, 2022 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4 PE | 30M-18G | Mar. 11, 2021 | May 07, 2021~ Aug. 18, 2021 | Mar. 10, 2022 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | MY4274/2 | 30MHz-40GHz | Mar. 11, 2021 | May 07, 2021~ Aug. 18, 2021 | Mar. 10, 2022 | Radiation (03CH11-HY) |
| Filter | Wainwright | WLK4-1000-1 530-8000-40S S | SN11 | 1.53GHz Low Pass Filter | Sep. 14, 2020 | May 07, 2021~ Aug. 18, 2021 | Sep. 13, 2021 | Radiation (03CH11-HY) |
| Filter | Wainwright | WHKX8-5872. 5-6750-18000 -40SS | SN3 | 6.75GHz High Pass Filter | Sep. 15, 2020 | May 07, 2021~ Aug. 18, 2021 | Sep. 14, 2021 | Radiation (03CH11-HY) |
| Hygrometer | Testo | 608-H1 | 34893241 | N/A | Mar. 03, 2021 | May 05, 2021~ Aug. 19, 2021 | Mar. 02, 2022 | Conducted (TH02-HY) |
| Power Sensor | DARE | RPR3006W | 16I00054S NO10 | 10MHz~6GHz | Dec. 16, 2020 | May 05, 2021~ Aug. 19, 2021 | Dec. 15, 2021 | Conducted (TH02-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101566 | 10Hz ~ 40GHz | Jul. 22, 2020 | May 05, 2021~ Jun. 03, 2021 | Jul. 21, 2021 | Conducted (TH02-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101565 | 10Hz ~ 40GHz | Nov. 13, 2020 | Aug.19, 2021 | Nov. 12, 2021 | Conducted (TH02-HY) |
| Switch Box & RF Cable | EM Electronics | EMSW18SE | SW200302 | N/A | Mar. 17, 2021 | May 05, 2021~ Aug. 19, 2021 | Mar. 16, 2022 | Conducted (TH02-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSV3044 | 101048 | 10Hz~44GHz | Apr. 20, 2021 | May 12, 2021~ May 13, 2021 | Apr. 19, 2022 | DFS (DFS02-HY) |



| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-------------------|-----------------|--------------|------------|-----------------|------------------|--------------|---------------|----------------------|
| AC Power Source | ChainTek | APC-1000W | N/A | N/A | N/A | May 05, 2021 | N/A | Conduction (CO05-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESR3 | 102388 | 9kHz~3.6GHz | Nov. 30, 2020 | May 05, 2021 | Nov. 29, 2021 | Conduction (CO05-HY) |
| LISN | Rohde & Schwarz | ENV216 | 100081 | 9kHz~30MHz | Nov. 16, 2020 | May 05, 2021 | Nov. 15, 2021 | Conduction (CO05-HY) |
| Software | Rohde & Schwarz | EMC32 V10.30 | N/A | N/A | N/A | May 05, 2021 | N/A | Conduction (CO05-HY) |
| Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | 100851 | N/A | Feb. 25, 2021 | May 05, 2021 | Feb. 24, 2022 | Conduction (CO05-HY) |
| LISN Cable | MVE | RG-400 | 260260 | N/A | Dec. 31, 2020 | May 05, 2021 | Dec. 30, 2021 | Conduction (CO05-HY) |



5 Uncertainty of Evaluation

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

| | |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 2.3 |
|---|-----|

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

| | |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 4.7 |
|---|-----|

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

| | |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.2 |
|---|-----|

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

| | |
|---|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.1 |
|---|-----|

Appendix A. Test Result of Conducted Test Items

| | | | | |
|----------------|----------------------|--------------------|-------|----|
| Test Engineer: | Luffy Lin/Junyu Zhou | Temperature: | 21~25 | °C |
| Test Date: | 2021/5/5 ~2021/8/19 | Relative Humidity: | 51~54 | % |

Remark: For Conducted Test Items, Ant. 1 means Aux. Antenna and Ant. 2 means Main Antenna.

TEST RESULTS DATA
26dB and 99% OBW

| Band I MIMO | | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | IC 99% Bandwidth Power Limit (dBm) | | IC 99% Bandwidth EIRP Limit (dBm) | | Note |
| | | | | | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| 11a | 6Mbps | 2 | 36 | 5180 | 16.78 | 16.63 | 23.80 | 23.35 | - | - | 22.21 | 22.21 | |
| 11a | 6Mbps | 2 | 44 | 5220 | 16.68 | 16.68 | 24.35 | 24.55 | - | - | 22.22 | 22.22 | |
| 11a | 6Mbps | 2 | 48 | 5240 | 16.68 | 16.63 | 24.70 | 23.75 | - | - | 22.21 | 22.21 | |
| VHT20 | MCS0 | 2 | 36 | 5180 | 17.83 | 17.88 | 25.65 | 25.00 | - | - | 22.51 | 22.51 | |
| VHT20 | MCS0 | 2 | 44 | 5220 | 17.88 | 17.83 | 25.70 | 24.95 | - | - | 22.51 | 22.51 | |
| VHT20 | MCS0 | 2 | 48 | 5240 | 17.83 | 17.83 | 25.70 | 24.90 | - | - | 22.51 | 22.51 | |
| VHT40 | MCS0 | 2 | 38 | 5190 | 36.46 | 36.46 | 42.21 | 42.12 | - | - | 23.01 | 23.01 | |
| VHT40 | MCS0 | 2 | 46 | 5230 | 36.46 | 36.46 | 42.03 | 42.30 | - | - | 23.01 | 23.01 | |
| VHT80 | MCS0 | 2 | 42 | 5210 | 75.64 | 75.64 | 83.68 | 84.64 | - | - | 23.01 | 23.01 | |

TEST RESULTS DATA
Average Power Table

| FCC Band I MIMO | | | | | | | | | | | | |
|-----------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) | | | FCC Conducted Power Limit (dBm) | | DG (dBi) | | Pass/Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| 11a | 6Mbps | 2 | 36 | 5180 | 14.60 | 14.70 | 17.66 | 24.00 | | 3.90 | Pass | |
| 11a | 6Mbps | 2 | 44 | 5220 | 14.80 | 14.50 | 17.66 | 24.00 | | 3.90 | Pass | |
| 11a | 6Mbps | 2 | 48 | 5240 | 14.50 | 14.60 | 17.56 | 24.00 | | 3.90 | Pass | |
| HT20 | MCS0 | 2 | 36 | 5180 | 14.10 | 14.20 | 17.16 | 24.00 | | 3.90 | Pass | |
| HT20 | MCS0 | 2 | 44 | 5220 | 14.20 | 14.10 | 17.16 | 24.00 | | 3.90 | Pass | |
| HT20 | MCS0 | 2 | 48 | 5240 | 14.20 | 14.10 | 17.16 | 24.00 | | 3.90 | Pass | |
| HT40 | MCS0 | 2 | 38 | 5190 | 11.70 | 11.60 | 14.66 | 24.00 | | 3.90 | Pass | |
| HT40 | MCS0 | 2 | 46 | 5230 | 14.70 | 14.60 | 17.66 | 24.00 | | 3.90 | Pass | |
| VHT20 | MCS0 | 2 | 36 | 5180 | 14.20 | 14.30 | 17.26 | 24.00 | | 3.90 | Pass | |
| VHT20 | MCS0 | 2 | 44 | 5220 | 14.30 | 14.20 | 17.26 | 24.00 | | 3.90 | Pass | |
| VHT20 | MCS0 | 2 | 48 | 5240 | 14.30 | 14.20 | 17.26 | 24.00 | | 3.90 | Pass | |
| VHT40 | MCS0 | 2 | 38 | 5190 | 12.20 | 12.10 | 15.16 | 24.00 | | 3.90 | Pass | |
| VHT40 | MCS0 | 2 | 46 | 5230 | 14.80 | 14.70 | 17.76 | 24.00 | | 3.90 | Pass | |
| VHT80 | MCS0 | 2 | 42 | 5210 | 10.90 | 10.80 | 13.86 | 24.00 | | 3.90 | Pass | |

TEST RESULTS DATA
Power Spectral Density

| FCC Band I MIMO | | | | | | | | | | | | |
|-----------------|-----------|-----|-----|-------------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) | | | Average PSD Limit (dBm/MHz) | | DG (dBi) | | Pass /Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| 11a | 6Mbps | 2 | 36 | 5180 | | | 7.66 | 10.65 | 6.35 | | Pass | |
| 11a | 6Mbps | 2 | 44 | 5220 | | | 7.66 | 10.65 | 6.35 | | Pass | |
| 11a | 6Mbps | 2 | 48 | 5240 | | | 7.25 | 10.65 | 6.35 | | Pass | |
| VHT20 | MCS0 | 2 | 36 | 5180 | | | 6.75 | 10.65 | 6.35 | | Pass | |
| VHT20 | MCS0 | 2 | 44 | 5220 | | | 6.91 | 10.65 | 6.35 | | Pass | |
| VHT20 | MCS0 | 2 | 48 | 5240 | | | 6.99 | 10.65 | 6.35 | | Pass | |
| VHT40 | MCS0 | 2 | 38 | 5190 | | | 1.75 | 10.65 | 6.35 | | Pass | |
| VHT40 | MCS0 | 2 | 46 | 5230 | | | 4.63 | 10.65 | 6.35 | | Pass | |
| VHT80 | MCS0 | 2 | 42 | 5210 | | | -1.63 | 10.65 | 6.35 | | Pass | |

TEST RESULTS DATA
26dB and 99% OBW

| Band II MIMO | | | | | | | | | | | | | | | |
|--------------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | IC 99% Bandwidth Power Limit (dBm) | | IC 99% Bandwidth EIRP Limit (dBm) | | FCC 26dB Bandwidth Power Limit (dBm) | | Note |
| | | | | | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| 11a | 6Mbps | 2 | 52 | 5260 | 16.68 | 16.63 | 24.35 | 23.15 | 23.21 | | 29.21 | | 23.98 | | |
| 11a | 6Mbps | 2 | 60 | 5300 | 16.68 | 16.63 | 23.70 | 24.15 | 23.21 | | 29.21 | | 23.98 | | |
| 11a | 6Mbps | 2 | 64 | 5320 | 16.78 | 16.68 | 24.10 | 24.35 | 23.22 | | 29.22 | | 23.98 | | |
| VHT20 | MCS0 | 2 | 52 | 5260 | 17.88 | 17.78 | 25.80 | 24.70 | 23.50 | | 29.50 | | 23.98 | | |
| VHT20 | MCS0 | 2 | 60 | 5300 | 17.88 | 17.83 | 25.80 | 25.10 | 23.51 | | 29.51 | | 23.98 | | |
| VHT20 | MCS0 | 2 | 64 | 5320 | 17.88 | 17.78 | 26.75 | 24.45 | 23.50 | | 29.50 | | 23.98 | | |
| VHT40 | MCS0 | 2 | 54 | 5270 | 36.46 | 36.46 | 41.76 | 42.39 | 23.98 | | 30.00 | | 23.98 | | |
| VHT40 | MCS0 | 2 | 62 | 5310 | 36.46 | 36.46 | 42.12 | 42.12 | 23.98 | | 30.00 | | 23.98 | | |
| VHT80 | MCS0 | 2 | 58 | 5290 | 75.76 | 75.64 | 84.32 | 83.84 | 23.98 | | 30.00 | | 23.98 | | |

TEST RESULTS DATA
Average Power Table

| FCC Band II MIMO | | | | | | | | | | | | | |
|------------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) | | | FCC Conducted Power Limit (dBm) | | DG (dBi) | | EIRP Power Limit (dBm) | Pass/Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | | |
| 11a | 6Mbps | 2 | 52 | 5260 | 14.60 | 14.50 | 17.56 | 23.98 | | 3.28 | | 26.99 | Pass |
| 11a | 6Mbps | 2 | 60 | 5300 | 14.40 | 14.40 | 17.41 | 23.98 | | 3.28 | | 26.99 | Pass |
| 11a | 6Mbps | 2 | 64 | 5320 | 14.40 | 14.30 | 17.36 | 23.98 | | 3.28 | | 26.99 | Pass |
| HT20 | MCS0 | 2 | 52 | 5260 | 14.30 | 14.40 | 17.36 | 23.98 | | 3.28 | | 26.99 | Pass |
| HT20 | MCS0 | 2 | 60 | 5300 | 14.20 | 14.10 | 17.16 | 23.98 | | 3.28 | | 26.99 | Pass |
| HT20 | MCS0 | 2 | 64 | 5320 | 14.20 | 14.20 | 17.21 | 23.98 | | 3.28 | | 26.99 | Pass |
| HT40 | MCS0 | 2 | 54 | 5270 | 14.70 | 14.70 | 17.71 | 23.98 | | 3.28 | | 26.99 | Pass |
| HT40 | MCS0 | 2 | 62 | 5310 | 14.10 | 14.10 | 17.11 | 23.98 | | 3.28 | | 26.99 | Pass |
| VHT20 | MCS0 | 2 | 52 | 5260 | 14.40 | 14.50 | 17.46 | 23.98 | | 3.28 | | 26.99 | Pass |
| VHT20 | MCS0 | 2 | 60 | 5300 | 14.30 | 14.20 | 17.26 | 23.98 | | 3.28 | | 26.99 | Pass |
| VHT20 | MCS0 | 2 | 64 | 5320 | 14.30 | 14.30 | 17.31 | 23.98 | | 3.28 | | 26.99 | Pass |
| VHT40 | MCS0 | 2 | 54 | 5270 | 14.80 | 14.80 | 17.81 | 23.98 | | 3.28 | | 26.99 | Pass |
| VHT40 | MCS0 | 2 | 62 | 5310 | 14.50 | 14.50 | 17.51 | 23.98 | | 3.28 | | 26.99 | Pass |
| VHT80 | MCS0 | 2 | 58 | 5290 | 13.30 | 13.10 | 16.21 | 23.98 | | 3.28 | | 26.99 | Pass |

TEST RESULTS DATA
Power Spectral Density

| Band II MIMO | | | | | | | | | | | | |
|--------------|-----------|-----|-----|-------------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) | | | Average PSD Limit (dBm/MHz) | | DG (dBi) | | Pass /Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| 11a | 6Mbps | 2 | 52 | 5260 | | | 7.37 | 10.84 | 6.16 | | Pass | |
| 11a | 6Mbps | 2 | 60 | 5300 | | | 7.25 | 10.84 | 6.16 | | Pass | |
| 11a | 6Mbps | 2 | 64 | 5320 | | | 7.03 | 10.84 | 6.16 | | Pass | |
| VHT20 | MCS0 | 2 | 52 | 5260 | | | 7.10 | 10.84 | 6.16 | | Pass | |
| VHT20 | MCS0 | 2 | 60 | 5300 | | | 6.64 | 10.84 | 6.16 | | Pass | |
| VHT20 | MCS0 | 2 | 64 | 5320 | | | 6.82 | 10.84 | 6.16 | | Pass | |
| VHT40 | MCS0 | 2 | 54 | 5270 | | | 3.91 | 10.84 | 6.16 | | Pass | |
| VHT40 | MCS0 | 2 | 62 | 5310 | | | 3.70 | 10.84 | 6.16 | | Pass | |
| VHT80 | MCS0 | 2 | 58 | 5290 | | | 0.97 | 10.84 | 6.16 | | Pass | |

TEST RESULTS DATA
26dB and 99% OBW

| Band III MIMO | | | | | | | | | | | | | | | | |
|---------------|-----------|-----|-----|-------------|---------------------------------|-------|-----------------------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|---|-------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth In U-NII 2C (MHz) | | 26 dB Bandwidth In U-NII 2C (MHz) | | IC 99% Bandwidth Power Limit (dBm) | | IC 99% Bandwidth EIRP Limit (dBm) | | FCC 26dB Bandwidth Power Limit (dBm) | | 6 dB Bandwidth for Straddle Channel (MHz) | |
| | | | | | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 |
| 11a | 6Mbps | 2 | 100 | 5500 | 16.73 | 16.58 | 24.45 | 23.95 | 23.20 | 23.20 | 29.20 | 23.98 | ---- | ---- | | |
| 11a | 6Mbps | 2 | 116 | 5580 | 16.68 | 16.58 | 24.45 | 23.45 | 23.20 | 29.20 | 23.98 | 23.98 | ---- | ---- | | |
| 11a | 6Mbps | 2 | 140 | 5700 | 16.63 | 16.78 | 23.70 | 24.70 | 23.21 | 29.21 | 23.98 | 23.98 | ---- | ---- | | |
| VHT20 | MCS0 | 2 | 100 | 5500 | 17.88 | 17.78 | 25.90 | 25.05 | 23.50 | 29.50 | 23.98 | 23.98 | ---- | ---- | | |
| VHT20 | MCS0 | 2 | 116 | 5580 | 17.83 | 17.88 | 26.10 | 25.15 | 23.51 | 29.51 | 23.98 | 23.98 | ---- | ---- | | |
| VHT20 | MCS0 | 2 | 140 | 5700 | 17.83 | 17.88 | 25.40 | 25.90 | 23.51 | 29.51 | 23.98 | 23.98 | ---- | ---- | | |
| VHT40 | MCS0 | 2 | 102 | 5510 | 36.56 | 36.56 | 42.21 | 42.21 | 23.98 | 30.00 | 23.98 | 23.98 | ---- | ---- | | |
| VHT40 | MCS0 | 2 | 110 | 5550 | 36.56 | 36.56 | 42.39 | 42.21 | 23.98 | 30.00 | 23.98 | 23.98 | ---- | ---- | | |
| VHT40 | MCS0 | 2 | 134 | 5670 | 36.56 | 36.46 | 42.03 | 42.39 | 23.98 | 30.00 | 23.98 | 23.98 | ---- | ---- | | |
| VHT80 | MCS0 | 2 | 106 | 5530 | 76.48 | 76.24 | 83.84 | 84.32 | 23.98 | 30.00 | 23.98 | 23.98 | ---- | ---- | | |
| VHT80 | MCS0 | 2 | 122 | 5610 | 76.48 | 76.24 | 84.32 | 84.16 | 23.98 | 30.00 | 23.98 | 23.98 | ---- | ---- | | |

| Band III straddle channel MIMO | | | | | | | | | | | | | | | | |
|--------------------------------|-----------|-----|-----|-------------|---------------------------------|-------|-----------------------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|---|-------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth In U-NII 2C (MHz) | | 26 dB Bandwidth In U-NII 2C (MHz) | | IC 99% Bandwidth Power Limit (dBm) | | IC 99% Bandwidth EIRP Limit (dBm) | | FCC 26dB Bandwidth Power Limit (dBm) | | 6 dB Bandwidth for Straddle Channel (MHz) | |
| | | | | | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 |
| 11a | 6Mbps | 2 | 144 | 5720 | 13.39 | 13.34 | 16.90 | 16.65 | 22.25 | 28.25 | 23.21 | 23.21 | 2.75 | 3.1 | | |
| VHT20 | MCS0 | 2 | 144 | 5720 | 13.94 | 13.94 | 18.00 | 17.55 | 22.44 | 28.44 | 23.44 | 23.44 | 2.55 | 2.9 | | |
| VHT40 | MCS0 | 2 | 142 | 5710 | 33.18 | 33.28 | 36.06 | 36.15 | 23.98 | 30.00 | 23.98 | 23.98 | 2.55 | 2.55 | | |
| VHT80 | MCS0 | 2 | 138 | 5690 | 73.12 | 72.88 | 76.60 | 76.28 | 23.98 | 30.00 | 23.98 | 23.98 | 2.6 | 2.6 | | |

TEST RESULTS DATA
Average Power Table

| FCC Band III MIMO | | | | | | | | | | | | | |
|-------------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) | | | FCC Conducted Power Limit (dBm) | | DG (dBi) | | EIRP Power Limit (dBm) | Pass/Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | | |
| 11a | 6Mbps | 2 | 100 | 5500 | 14.10 | 14.30 | 17.21 | 23.98 | | 3.58 | 26.99 | Pass | |
| 11a | 6Mbps | 2 | 116 | 5580 | 14.30 | 14.40 | 17.36 | 23.98 | | 3.58 | 26.99 | Pass | |
| 11a | 6Mbps | 2 | 140 | 5700 | 14.50 | 14.20 | 17.36 | 23.98 | | 3.58 | 26.99 | Pass | |
| HT20 | MCS0 | 2 | 100 | 5500 | 14.30 | 14.40 | 17.36 | 23.98 | | 3.58 | 26.99 | Pass | |
| HT20 | MCS0 | 2 | 116 | 5580 | 14.30 | 14.20 | 17.26 | 23.98 | | 3.58 | 26.99 | Pass | |
| HT20 | MCS0 | 2 | 140 | 5700 | 14.40 | 14.10 | 17.26 | 23.98 | | 3.58 | 26.99 | Pass | |
| HT40 | MCS0 | 2 | 102 | 5510 | 14.00 | 14.00 | 17.01 | 23.98 | | 3.58 | 26.99 | Pass | |
| HT40 | MCS0 | 2 | 110 | 5550 | 14.40 | 14.30 | 17.36 | 23.98 | | 3.58 | 26.99 | Pass | |
| HT40 | MCS0 | 2 | 134 | 5670 | 14.50 | 14.20 | 17.36 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT20 | MCS0 | 2 | 100 | 5500 | 14.40 | 14.50 | 17.46 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT20 | MCS0 | 2 | 116 | 5580 | 14.40 | 14.30 | 17.36 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT20 | MCS0 | 2 | 140 | 5700 | 14.50 | 14.20 | 17.36 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT40 | MCS0 | 2 | 102 | 5510 | 14.00 | 14.10 | 17.06 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT40 | MCS0 | 2 | 110 | 5550 | 14.50 | 14.40 | 17.46 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT40 | MCS0 | 2 | 134 | 5670 | 14.60 | 14.30 | 17.46 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT80 | MCS0 | 2 | 106 | 5530 | 11.20 | 11.10 | 14.16 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT80 | MCS0 | 2 | 122 | 5610 | 14.70 | 14.50 | 17.61 | 23.98 | | 3.58 | 26.99 | Pass | |

| FCC Band III straddle channel MIMO | | | | | | | | | | | | | |
|------------------------------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) | | | FCC Conducted Power Limit (dBm) | | DG (dBi) | | EIRP Power Limit (dBm) | Pass/Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | | |
| 11a | 6Mbps | 2 | 144 | 5720 | 14.40 | 14.20 | 17.31 | 23.21 | | 3.58 | 26.99 | Pass | |
| HT20 | MCS0 | 2 | 144 | 5720 | 14.40 | 14.50 | 17.46 | 23.98 | | 3.58 | 26.99 | Pass | |
| HT40 | MCS0 | 2 | 142 | 5710 | 14.60 | 14.10 | 17.37 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT20 | MCS0 | 2 | 144 | 5720 | 14.50 | 14.60 | 17.56 | 23.44 | | 3.58 | 26.99 | Pass | |
| VHT40 | MCS0 | 2 | 142 | 5710 | 14.70 | 14.20 | 17.47 | 23.98 | | 3.58 | 26.99 | Pass | |
| VHT80 | MCS0 | 2 | 138 | 5690 | 14.70 | 14.50 | 17.61 | 23.98 | | 3.58 | 26.99 | Pass | |

TEST RESULTS DATA
Power Spectral Density

| Band III MIMO | | | | | | | | | | | | |
|---------------|-----------|-----|-----|-------------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) | | | Average PSD Limit (dBm/MHz) | | DG (dBi) | | Pass /Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| 11a | 6Mbps | 2 | 100 | 5500 | | | 7.01 | 10.67 | 6.33 | | Pass | |
| 11a | 6Mbps | 2 | 116 | 5580 | | | 6.84 | 10.67 | 6.33 | | Pass | |
| 11a | 6Mbps | 2 | 140 | 5700 | | | 7.06 | 10.67 | 6.33 | | Pass | |
| VHT20 | MCS0 | 2 | 100 | 5500 | | | 7.08 | 10.67 | 6.33 | | Pass | |
| VHT20 | MCS0 | 2 | 116 | 5580 | | | 7.04 | 10.67 | 6.33 | | Pass | |
| VHT20 | MCS0 | 2 | 140 | 5700 | | | 7.08 | 10.67 | 6.33 | | Pass | |
| VHT40 | MCS0 | 2 | 102 | 5510 | | | 2.98 | 10.67 | 6.33 | | Pass | |
| VHT40 | MCS0 | 2 | 110 | 5550 | | | 3.44 | 10.67 | 6.33 | | Pass | |
| VHT40 | MCS0 | 2 | 134 | 5670 | | | 3.35 | 10.67 | 6.33 | | Pass | |
| VHT80 | MCS0 | 2 | 106 | 5530 | | | -2.03 | 10.67 | 6.33 | | Pass | |
| VHT80 | MCS0 | 2 | 122 | 5610 | | | 1.54 | 10.67 | 6.33 | | Pass | |

| Band III straddle channel MIMO | | | | | | | | | | | | |
|--------------------------------|-----------|-----|-----|-------------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) | | | Average PSD Limit (dBm/MHz) | | DG (dBi) | | Pass /Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| 11a | 6Mbps | 2 | 144 | 5720 | | | 6.95 | 10.67 | 6.33 | | Pass | |
| VHT20 | MCS0 | 2 | 144 | 5720 | | | 7.22 | 10.67 | 6.33 | | Pass | |
| VHT40 | MCS0 | 2 | 142 | 5710 | | | 3.68 | 10.67 | 6.33 | | Pass | |
| VHT80 | MCS0 | 2 | 138 | 5690 | | | 1.73 | 10.67 | 6.33 | | Pass | |



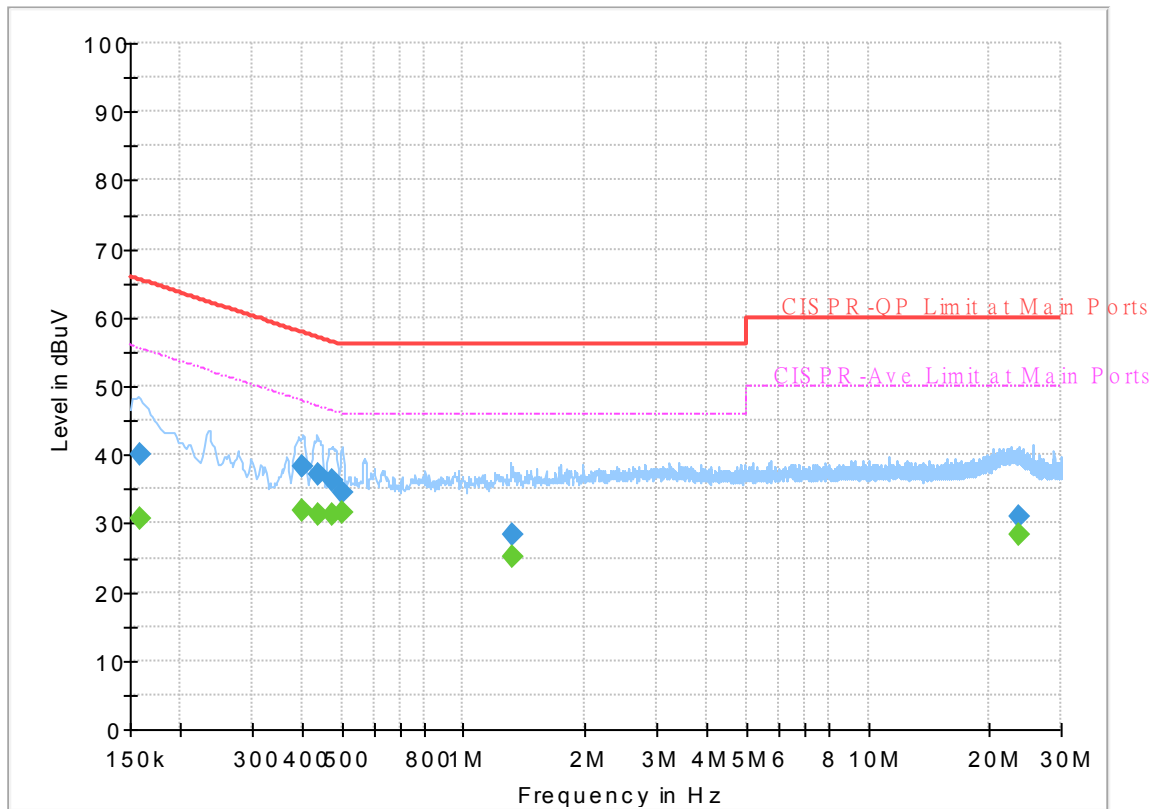
Appendix B. AC Conducted Emission Test Results

| | | | |
|-----------------|--------------------------|---------------------|---------|
| Test Engineer : | Tom Lee and Howard Huang | Temperature : | 23~26°C |
| | | Relative Humidity : | 40~50% |

EUT Information

Report NO : 131119-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



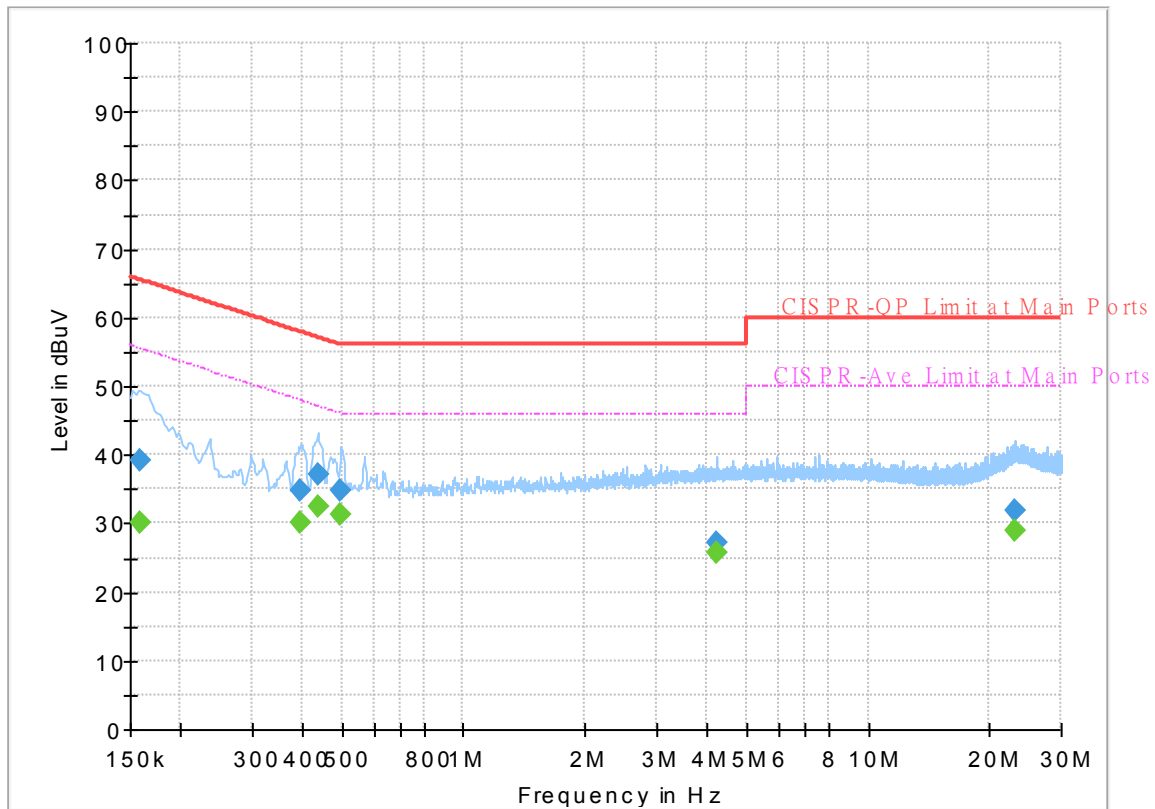
Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.159000 | --- | 30.74 | 55.52 | 24.78 | L1 | OFF | 19.5 |
| 0.159000 | 39.99 | --- | 65.52 | 25.53 | L1 | OFF | 19.5 |
| 0.399750 | --- | 31.80 | 47.86 | 16.06 | L1 | OFF | 19.5 |
| 0.399750 | 38.28 | --- | 57.86 | 19.58 | L1 | OFF | 19.5 |
| 0.438000 | --- | 31.40 | 47.10 | 15.70 | L1 | OFF | 19.6 |
| 0.438000 | 37.15 | --- | 57.10 | 19.95 | L1 | OFF | 19.6 |
| 0.471750 | --- | 31.26 | 46.48 | 15.22 | L1 | OFF | 19.6 |
| 0.471750 | 36.14 | --- | 56.48 | 20.34 | L1 | OFF | 19.6 |
| 0.501000 | --- | 31.59 | 46.00 | 14.41 | L1 | OFF | 19.7 |
| 0.501000 | 34.64 | --- | 56.00 | 21.36 | L1 | OFF | 19.7 |
| 1.322250 | --- | 25.02 | 46.00 | 20.98 | L1 | OFF | 20.0 |
| 1.322250 | 28.36 | --- | 56.00 | 27.64 | L1 | OFF | 20.0 |
| 23.547750 | --- | 28.50 | 50.00 | 21.50 | L1 | OFF | 20.5 |
| 23.547750 | 31.11 | --- | 60.00 | 28.89 | L1 | OFF | 20.5 |

EUT Information

Report NO : 131119-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.159000 | --- | 30.18 | 55.52 | 25.34 | N | OFF | 19.5 |
| 0.159000 | 39.15 | --- | 65.52 | 26.37 | N | OFF | 19.5 |
| 0.395250 | --- | 30.19 | 47.95 | 17.76 | N | OFF | 19.6 |
| 0.395250 | 34.76 | --- | 57.95 | 23.19 | N | OFF | 19.6 |
| 0.435750 | --- | 32.33 | 47.14 | 14.81 | N | OFF | 19.6 |
| 0.435750 | 37.05 | --- | 57.14 | 20.09 | N | OFF | 19.6 |
| 0.498750 | --- | 31.15 | 46.02 | 14.87 | N | OFF | 19.7 |
| 0.498750 | 34.67 | --- | 56.02 | 21.35 | N | OFF | 19.7 |
| 4.218000 | --- | 25.60 | 46.00 | 20.40 | N | OFF | 19.9 |
| 4.218000 | 27.32 | --- | 56.00 | 28.68 | N | OFF | 19.9 |
| 23.037000 | --- | 29.01 | 50.00 | 20.99 | N | OFF | 20.7 |
| 23.037000 | 31.79 | --- | 60.00 | 28.21 | N | OFF | 20.7 |



Appendix C. Radiated Spurious Emission

| | | | |
|-----------------|---|---------------------|-------------|
| Test Engineer : | Harvey Guo, Bill Chang , Fu Chen, and Troye Hsieh | Temperature : | 18.3~25.7°C |
| | | Relative Humidity : | 58.2~70.8% |

Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Aux. Antenna and Ant. 2 means Main Antenna.

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant. | Note | Frequency (MHz) | Level (dBµV/m) | Over Limit (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11a CH 36 5180MHz | | 5149.5 | 56.15 | -17.85 | 74 | 46.78 | 31.8 | 10.37 | 32.8 | 305 | 284 | P | H | |
| | | 5149.5 | 47.32 | -6.68 | 54 | 37.95 | 31.8 | 10.37 | 32.8 | 305 | 284 | A | H | |
| | * | 5180 | 115.15 | - | - | 105.93 | 31.62 | 10.41 | 32.81 | 305 | 284 | P | H | |
| | * | 5180 | 107.47 | - | - | 98.25 | 31.62 | 10.41 | 32.81 | 305 | 284 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5149.5 | 60.84 | -13.16 | 74 | 51.47 | 31.8 | 10.37 | 32.8 | 220 | 313 | P | V |
| | | | 5149.5 | 51.21 | -2.79 | 54 | 41.84 | 31.8 | 10.37 | 32.8 | 220 | 313 | A | V |
| | * | | 5180 | 118.37 | - | - | 109.15 | 31.62 | 10.41 | 32.81 | 220 | 313 | P | V |
| | * | | 5180 | 110.93 | - | - | 101.71 | 31.62 | 10.41 | 32.81 | 220 | 313 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| 802.11a CH 44 5220MHz | | 5140.4 | 52.72 | -21.28 | 74 | 43.33 | 31.82 | 10.36 | 32.79 | 302 | 286 | P | H | |
| | | 5148.98 | 42.2 | -11.8 | 54 | 32.83 | 31.8 | 10.37 | 32.8 | 302 | 286 | A | H | |
| | * | 5220 | 114.31 | - | - | 105.3 | 31.38 | 10.46 | 32.83 | 302 | 286 | P | H | |
| | * | 5220 | 107.42 | - | - | 98.41 | 31.38 | 10.46 | 32.83 | 302 | 286 | A | H | |
| | | | 5436.96 | 50.19 | -23.81 | 74 | 40.93 | 31.55 | 10.66 | 32.95 | 302 | 286 | P | H |
| | | | 5452.56 | 40.7 | -13.3 | 54 | 31.39 | 31.61 | 10.66 | 32.96 | 302 | 286 | A | H |
| | | | 5146.12 | 52.69 | -21.31 | 74 | 43.31 | 31.81 | 10.37 | 32.8 | 221 | 314 | P | V |
| | | | 5149.24 | 43.75 | -10.25 | 54 | 34.38 | 31.8 | 10.37 | 32.8 | 221 | 314 | A | V |
| | * | | 5220 | 118.66 | - | - | 109.65 | 31.38 | 10.46 | 32.83 | 221 | 314 | P | V |
| | * | | 5220 | 111.56 | - | - | 102.55 | 31.38 | 10.46 | 32.83 | 221 | 314 | A | V |
| | | | 5375.28 | 51.41 | -22.59 | 74 | 42.41 | 31.3 | 10.62 | 32.92 | 221 | 314 | P | V |
| | | | 5453.76 | 42.76 | -11.24 | 54 | 33.45 | 31.61 | 10.66 | 32.96 | 221 | 314 | A | V |



| | | | | | | | | | | | | | |
|--|---|---------|--------|--------|----|--------|-------|-------|-------|-----|-----|---|---|
| 802.11a CH 48 5240MHz | | 5032.24 | 51.03 | -22.97 | 74 | 42 | 31.56 | 10.21 | 32.74 | 322 | 336 | P | H |
| | | 5091.78 | 41.11 | -12.89 | 54 | 31.72 | 31.87 | 10.29 | 32.77 | 322 | 336 | A | H |
| | * | 5240 | 111.3 | - | - | 102.4 | 31.26 | 10.48 | 32.84 | 322 | 336 | P | H |
| | * | 5240 | 104.26 | - | - | 95.36 | 31.26 | 10.48 | 32.84 | 322 | 336 | A | H |
| | | 5445.12 | 49.78 | -24.22 | 74 | 40.49 | 31.58 | 10.66 | 32.95 | 322 | 336 | P | H |
| | | 5459.52 | 40.07 | -13.93 | 54 | 30.75 | 31.62 | 10.66 | 32.96 | 322 | 336 | A | H |
| | | 5018.2 | 51.55 | -22.45 | 74 | 42.64 | 31.45 | 10.19 | 32.73 | 194 | 344 | P | V |
| | | 5150 | 41.74 | -12.26 | 54 | 32.37 | 31.8 | 10.37 | 32.8 | 194 | 344 | A | V |
| | * | 5240 | 118.35 | - | - | 109.45 | 31.26 | 10.48 | 32.84 | 194 | 344 | P | V |
| | * | 5240 | 110.63 | - | - | 101.73 | 31.26 | 10.48 | 32.84 | 194 | 344 | A | V |
| | | 5376.24 | 51.58 | -22.42 | 74 | 42.57 | 31.3 | 10.63 | 32.92 | 194 | 344 | P | V |
| | | 5376 | 41.29 | -12.71 | 54 | 32.29 | 31.3 | 10.62 | 32.92 | 194 | 344 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11a CH 36 5180MHz | | 10360 | 46.12 | -22.08 | 68.2 | 56.49 | 39.68 | 16.67 | 66.72 | 100 | 0 | P | H |
| | | 15540 | 46.94 | -27.06 | 74 | 53.23 | 38.08 | 21.76 | 66.13 | 100 | 0 | P | H |
| | | 17945 | 56.95 | -17.05 | 74 | 52.39 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 45.8 | -8.2 | 54 | 41.24 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10360 | 46.67 | -21.53 | 68.2 | 57.04 | 39.68 | 16.67 | 66.72 | 100 | 0 | P | V |
| | | 15540 | 47.32 | -26.68 | 74 | 53.61 | 38.08 | 21.76 | 66.13 | 100 | 0 | P | V |
| | | 17934 | 57.13 | -16.87 | 74 | 52.82 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| | | 17934 | 46.73 | -7.27 | 54 | 42.42 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V |
| 802.11a CH 44 5220MHz | | 10440 | 47.21 | -20.99 | 68.2 | 57.32 | 39.88 | 16.75 | 66.74 | 100 | 0 | P | H |
| | | 15660 | 48.97 | -25.03 | 74 | 55.69 | 37.84 | 21.72 | 66.28 | 100 | 0 | P | H |
| | | 17934 | 57.1 | -16.9 | 74 | 52.79 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 46.19 | -7.81 | 54 | 41.88 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 10440 | 46.47 | -21.73 | 68.2 | 56.58 | 39.88 | 16.75 | 66.74 | 100 | 0 | P | V |
| | | 15660 | 47.85 | -26.15 | 74 | 54.57 | 37.84 | 21.72 | 66.28 | 100 | 0 | P | V |
| | | 17945 | 57.04 | -16.96 | 74 | 52.48 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| | | 17945 | 46.89 | -7.11 | 54 | 42.33 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | V |
| 802.11a CH 48 5240MHz | | 10480 | 46.67 | -21.53 | 68.2 | 56.68 | 39.96 | 16.78 | 66.75 | 100 | 0 | P | H |
| | | 15720 | 47.69 | -26.31 | 74 | 54.64 | 37.7 | 21.71 | 66.36 | 100 | 0 | P | H |
| | | 17945 | 57.43 | -16.57 | 74 | 52.87 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 46.51 | -7.49 | 54 | 41.95 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10480 | 46.8 | -21.4 | 68.2 | 56.81 | 39.96 | 16.78 | 66.75 | 100 | 0 | P | V |
| | | 15720 | 47.55 | -26.45 | 74 | 54.5 | 37.7 | 21.71 | 66.36 | 100 | 0 | P | V |
| | | 17967 | 56.39 | -17.61 | 74 | 51.34 | 46.74 | 23.46 | 65.15 | 100 | 0 | P | V |
| | | 17967 | 47.38 | -6.62 | 54 | 42.33 | 46.74 | 23.46 | 65.15 | 100 | 0 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|------------------------------|------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac VHT20 CH 36 5180MHz | | 5149.5 | 59.31 | -14.69 | 74 | 49.94 | 31.8 | 10.37 | 32.8 | 292 | 283 | P | H | |
| | | 5150 | 49.68 | -4.32 | 54 | 40.31 | 31.8 | 10.37 | 32.8 | 292 | 283 | A | H | |
| | * | 5180 | 113.67 | - | - | 104.45 | 31.62 | 10.41 | 32.81 | 292 | 283 | P | H | |
| | * | 5180 | 105.43 | - | - | 96.21 | 31.62 | 10.41 | 32.81 | 292 | 283 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5150 | 60.17 | -13.83 | 74 | 50.8 | 31.8 | 10.37 | 32.8 | 100 | 303 | P | V |
| | | | 5150 | 51.41 | -2.59 | 54 | 42.04 | 31.8 | 10.37 | 32.8 | 100 | 303 | A | V |
| | | * | 5180 | 116.11 | - | - | 106.89 | 31.62 | 10.41 | 32.81 | 100 | 303 | P | V |
| | | * | 5180 | 107.92 | - | - | 98.7 | 31.62 | 10.41 | 32.81 | 100 | 303 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| 802.11ac VHT20 CH 44 5220MHz | | 5098.28 | 52.12 | -21.88 | 74 | 42.7 | 31.89 | 10.3 | 32.77 | 317 | 283 | P | H | |
| | | 5150 | 42.33 | -11.67 | 54 | 32.96 | 31.8 | 10.37 | 32.8 | 317 | 283 | A | H | |
| | | * | 5220 | 115.75 | - | - | 106.74 | 31.38 | 10.46 | 32.83 | 317 | 283 | P | H |
| | | * | 5220 | 107.56 | - | - | 98.55 | 31.38 | 10.46 | 32.83 | 317 | 283 | A | H |
| | | | 5401.68 | 49.51 | -24.49 | 74 | 40.38 | 31.41 | 10.65 | 32.93 | 317 | 283 | P | H |
| | | | 5453.28 | 40.29 | -13.71 | 54 | 30.98 | 31.61 | 10.66 | 32.96 | 317 | 283 | A | H |
| | | | 5146.64 | 52.71 | -21.29 | 74 | 43.33 | 31.81 | 10.37 | 32.8 | 237 | 313 | P | V |
| | | | 5150 | 43.99 | -10.01 | 54 | 34.62 | 31.8 | 10.37 | 32.8 | 237 | 313 | A | V |
| | | * | 5220 | 117.89 | - | - | 108.88 | 31.38 | 10.46 | 32.83 | 237 | 313 | P | V |
| | | * | 5220 | 110 | - | - | 100.99 | 31.38 | 10.46 | 32.83 | 237 | 313 | A | V |
| | | 5437.44 | 50.83 | -23.17 | 74 | 41.57 | 31.55 | 10.66 | 32.95 | 237 | 313 | P | V | |
| | | 5451.6 | 43.2 | -10.8 | 54 | 33.89 | 31.6 | 10.66 | 32.95 | 237 | 313 | A | V | |



| | | | | | | | | | | | | | |
|---|---|---------|--------|--------|----|--------|-------|-------|-------|-----|-----|---|---|
| 802.11ac VHT20 CH 48 5240MHz | | 5095.16 | 51.09 | -22.91 | 74 | 41.68 | 31.88 | 10.3 | 32.77 | 301 | 303 | P | H |
| | | 5145.6 | 41.16 | -12.84 | 54 | 31.78 | 31.81 | 10.37 | 32.8 | 301 | 303 | A | H |
| | * | 5240 | 114.09 | - | - | 105.19 | 31.26 | 10.48 | 32.84 | 301 | 303 | P | H |
| | * | 5240 | 106.18 | - | - | 97.28 | 31.26 | 10.48 | 32.84 | 301 | 303 | A | H |
| | | 5459.52 | 49.68 | -24.32 | 74 | 40.36 | 31.62 | 10.66 | 32.96 | 301 | 303 | P | H |
| | | 5452.56 | 40 | -14 | 54 | 30.69 | 31.61 | 10.66 | 32.96 | 301 | 303 | A | H |
| | | 5147.94 | 52.02 | -21.98 | 74 | 42.65 | 31.8 | 10.37 | 32.8 | 229 | 317 | P | V |
| | | 5149.76 | 42.13 | -11.87 | 54 | 32.76 | 31.8 | 10.37 | 32.8 | 229 | 317 | A | V |
| | * | 5240 | 118.18 | - | - | 109.28 | 31.26 | 10.48 | 32.84 | 229 | 317 | P | V |
| | * | 5240 | 110.69 | - | - | 101.79 | 31.26 | 10.48 | 32.84 | 229 | 317 | A | V |
| | | 5454 | 50.83 | -23.17 | 74 | 41.52 | 31.61 | 10.66 | 32.96 | 229 | 317 | P | V |
| | | 5351.76 | 41.82 | -12.18 | 54 | 32.91 | 31.21 | 10.6 | 32.9 | 229 | 317 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT20 CH 36 5180MHz | | 10360 | 46.56 | -21.64 | 68.2 | 56.93 | 39.68 | 16.67 | 66.72 | 100 | 0 | P | H |
| | | 15540 | 46.82 | -27.18 | 74 | 53.11 | 38.08 | 21.76 | 66.13 | 100 | 0 | P | H |
| | | 17945 | 57.41 | -16.59 | 74 | 52.85 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.02 | -6.98 | 54 | 42.46 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10360 | 47.1 | -21.1 | 68.2 | 57.47 | 39.68 | 16.67 | 66.72 | 100 | 0 | P | V |
| | | 15540 | 46.55 | -27.45 | 74 | 52.84 | 38.08 | 21.76 | 66.13 | 100 | 0 | P | V |
| | | 17945 | 57.81 | -16.19 | 74 | 53.25 | 46.3 | 23.44 | 65.18 | 100 | 0 | v | V |
| | 17945 | 47.65 | -6.35 | 54 | 43.09 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V | |
| 802.11ac VHT20 CH 44 5220MHz | | 10440 | 45.35 | -22.85 | 68.2 | 55.46 | 39.88 | 16.75 | 66.74 | 100 | 0 | P | H |
| | | 15660 | 47.66 | -26.34 | 74 | 54.38 | 37.84 | 21.72 | 66.28 | 100 | 0 | P | H |
| | | 17923 | 56.76 | -17.24 | 74 | 52.7 | 45.86 | 23.42 | 65.22 | 100 | 0 | P | H |
| | | 17923 | 46.05 | -7.95 | 54 | 41.99 | 45.86 | 23.42 | 65.22 | 100 | 0 | A | H |
| | | 10440 | 46.31 | -21.89 | 68.2 | 56.42 | 39.88 | 16.75 | 66.74 | 100 | 0 | P | V |
| | | 15660 | 47.35 | -26.65 | 74 | 54.07 | 37.84 | 21.72 | 66.28 | 100 | 0 | P | V |
| | | 17945 | 57.17 | -16.83 | 74 | 52.61 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| | 17945 | 46.86 | -7.14 | 54 | 42.3 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | V | |
| 802.11ac VHT20 CH 48 5240MHz | | 10480 | 45.98 | -22.22 | 68.2 | 55.99 | 39.96 | 16.78 | 66.75 | 100 | 0 | P | H |
| | | 15720 | 47.2 | -26.8 | 74 | 54.15 | 37.7 | 21.71 | 66.36 | 100 | 0 | P | H |
| | | 17923 | 56.67 | -17.33 | 74 | 52.61 | 45.86 | 23.42 | 65.22 | 100 | 0 | P | H |
| | | 17923 | 46.05 | -7.95 | 54 | 41.99 | 45.86 | 23.42 | 65.22 | 100 | 0 | A | H |
| | | 10480 | 46.28 | -21.92 | 68.2 | 56.29 | 39.96 | 16.78 | 66.75 | 100 | 0 | P | V |
| | | 15720 | 47.63 | -26.37 | 74 | 54.58 | 37.7 | 21.71 | 66.36 | 100 | 0 | P | V |
| | | 17934 | 56.29 | -17.71 | 74 | 51.98 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| | 17934 | 46.63 | -7.37 | 54 | 42.32 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT40 CH 38 5190MHz | | 5148.72 | 53.7 | -20.3 | 74 | 44.33 | 31.8 | 10.37 | 32.8 | 211 | 290 | P | H |
| | | 5150 | 45.67 | -8.33 | 54 | 36.3 | 31.8 | 10.37 | 32.8 | 211 | 290 | A | H |
| | * | 5190 | 103.46 | - | - | 94.29 | 31.56 | 10.43 | 32.82 | 211 | 290 | P | H |
| | * | 5190 | 95.82 | - | - | 86.65 | 31.56 | 10.43 | 32.82 | 211 | 290 | A | H |
| | | 5370.12 | 49.32 | -24.68 | 74 | 40.33 | 31.28 | 10.62 | 32.91 | 211 | 290 | P | H |
| | | 5413.8 | 42.31 | -11.69 | 54 | 33.14 | 31.46 | 10.65 | 32.94 | 211 | 290 | A | H |
| | | 5150 | 58.34 | -15.66 | 74 | 48.97 | 31.8 | 10.37 | 32.8 | 373 | 349 | P | V |
| | | 5150 | 49.92 | -4.08 | 54 | 40.55 | 31.8 | 10.37 | 32.8 | 373 | 349 | A | V |
| | * | 5190 | 109.07 | - | - | 99.9 | 31.56 | 10.43 | 32.82 | 373 | 349 | P | V |
| | * | 5190 | 101.2 | - | - | 92.03 | 31.56 | 10.43 | 32.82 | 373 | 349 | A | V |
| | | 5414.36 | 53.7 | -20.3 | 74 | 44.53 | 31.46 | 10.65 | 32.94 | 373 | 349 | P | V |
| | | 5412.68 | 45.11 | -8.89 | 54 | 35.94 | 31.45 | 10.65 | 32.93 | 373 | 349 | A | V |
| 802.11ac VHT40 CH 46 5230MHz | | 5133.9 | 51.97 | -22.03 | 74 | 42.58 | 31.83 | 10.35 | 32.79 | 300 | 280 | P | H |
| | | 5144.82 | 44.83 | -9.17 | 54 | 35.45 | 31.81 | 10.37 | 32.8 | 300 | 280 | A | H |
| | * | 5230 | 108.58 | - | - | 99.63 | 31.32 | 10.47 | 32.84 | 300 | 280 | P | H |
| | * | 5230 | 101.09 | - | - | 92.14 | 31.32 | 10.47 | 32.84 | 300 | 280 | A | H |
| | | 5452.44 | 51.14 | -22.86 | 74 | 41.84 | 31.6 | 10.66 | 32.96 | 300 | 280 | P | H |
| | | 5451.88 | 43.73 | -10.27 | 54 | 34.42 | 31.6 | 10.66 | 32.95 | 300 | 280 | A | H |
| | | 5144.82 | 53.05 | -20.95 | 74 | 43.67 | 31.81 | 10.37 | 32.8 | 200 | 313 | P | V |
| | | 5149.76 | 45.77 | -8.23 | 54 | 36.4 | 31.8 | 10.37 | 32.8 | 200 | 313 | A | V |
| | * | 5230 | 111.84 | - | - | 102.89 | 31.32 | 10.47 | 32.84 | 200 | 313 | P | V |
| | * | 5230 | 103.98 | - | - | 95.03 | 31.32 | 10.47 | 32.84 | 200 | 313 | A | V |
| | 5452.72 | 57.98 | -16.02 | 74 | 48.67 | 31.61 | 10.66 | 32.96 | 200 | 313 | P | V | |
| | 5453 | 51.53 | -2.47 | 54 | 42.22 | 31.61 | 10.66 | 32.96 | 200 | 313 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT40 CH 38 5190MHz | | 10380 | 46.19 | -22.01 | 68.2 | 56.49 | 39.74 | 16.69 | 66.73 | 100 | 0 | P | H |
| | | 15570 | 46.73 | -27.27 | 74 | 53.16 | 37.99 | 21.75 | 66.17 | 100 | 0 | P | H |
| | | 17945 | 56.7 | -17.3 | 74 | 52.14 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.43 | -6.57 | 54 | 42.87 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10380 | 46.46 | -21.74 | 68.2 | 56.76 | 39.74 | 16.69 | 66.73 | 100 | 0 | P | V |
| | | 15570 | 48.48 | -25.52 | 74 | 54.91 | 37.99 | 21.75 | 66.17 | 100 | 0 | P | V |
| | | 17945 | 56.42 | -17.58 | 74 | 51.86 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| 802.11ac VHT40 CH 46 5230MHz | | 10460 | 46.16 | -22.04 | 68.2 | 56.22 | 39.92 | 16.76 | 66.74 | 100 | 0 | P | H |
| | | 15690 | 47.78 | -26.22 | 74 | 54.57 | 37.81 | 21.72 | 66.32 | 100 | 0 | P | H |
| | | 17945 | 57.49 | -16.51 | 74 | 52.93 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.35 | -6.65 | 54 | 42.79 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10460 | 46.44 | -21.76 | 68.2 | 56.5 | 39.92 | 16.76 | 66.74 | 100 | 0 | P | V |
| | | 15690 | 47.13 | -26.87 | 74 | 53.92 | 37.81 | 21.72 | 66.32 | 100 | 0 | P | V |
| | | 17934 | 56.22 | -17.78 | 74 | 51.91 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| Remark | 1. No other spurious found. | | | | | | | | | | | | |
| | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 42 5210MHz | | 5142.12 | 52.78 | -21.22 | 74 | 43.39 | 31.82 | 10.36 | 32.79 | 311 | 283 | P | H |
| | | 5142.12 | 45.8 | -8.2 | 54 | 36.41 | 31.82 | 10.36 | 32.79 | 311 | 283 | A | H |
| | * | 5210 | 99.16 | - | - | 90.1 | 31.44 | 10.45 | 32.83 | 311 | 283 | P | H |
| | * | 5210 | 91.09 | - | - | 82.03 | 31.44 | 10.45 | 32.83 | 311 | 283 | A | H |
| | | 5392.66 | 49.12 | -24.88 | 74 | 40.03 | 31.37 | 10.64 | 32.92 | 311 | 283 | P | H |
| | | 5453.76 | 40.92 | -13.08 | 54 | 31.61 | 31.61 | 10.66 | 32.96 | 311 | 283 | A | H |
| | | 5146.2 | 56.97 | -17.03 | 74 | 47.59 | 31.81 | 10.37 | 32.8 | 234 | 306 | P | V |
| | | 5147.22 | 49.95 | -4.05 | 54 | 40.57 | 31.81 | 10.37 | 32.8 | 234 | 306 | A | V |
| | * | 5210 | 104.24 | - | - | 95.18 | 31.44 | 10.45 | 32.83 | 234 | 306 | P | V |
| | * | 5210 | 96.59 | - | - | 87.53 | 31.44 | 10.45 | 32.83 | 234 | 306 | A | V |
| | | 5448.82 | 49.72 | -24.28 | 74 | 40.41 | 31.6 | 10.66 | 32.95 | 234 | 306 | P | V |
| | 5443.62 | 41.28 | -12.72 | 54 | 32 | 31.57 | 10.66 | 32.95 | 234 | 306 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 42 5210MHz | | 10420 | 47.62 | -20.58 | 68.2 | 57.79 | 39.84 | 16.73 | 66.74 | 100 | 0 | P | H |
| | | 15630 | 48.55 | -25.45 | 74 | 55.19 | 37.87 | 21.73 | 66.24 | 100 | 0 | P | H |
| | | 17934 | 57.53 | -16.47 | 74 | 53.22 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 46.89 | -7.11 | 54 | 42.58 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 10420 | 47.2 | -21 | 68.2 | 57.37 | 39.84 | 16.73 | 66.74 | 100 | 0 | P | V |
| | | 15630 | 49.45 | -24.55 | 74 | 56.09 | 37.87 | 21.73 | 66.24 | 100 | 0 | P | V |
| | | 17956 | 47.7 | -26.3 | 74 | 42.9 | 46.52 | 23.45 | 65.17 | 100 | 0 | P | V |
| | | 17956 | 57.26 | -16.74 | 74 | 52.46 | 46.52 | 23.45 | 65.17 | 100 | 0 | P | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 - 5250~5350MHz
WiFi 802.11a (Band Edge @ 3m)

| WiFi Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a CH 52 5260MHz | | 5103.02 | 50.74 | -23.26 | 74 | 41.31 | 31.89 | 10.31 | 32.77 | 297 | 286 | P | H |
| | | 5104.72 | 41.21 | -12.79 | 54 | 31.78 | 31.89 | 10.31 | 32.77 | 297 | 286 | A | H |
| | * | 5260 | 114.01 | - | - | 105.17 | 31.2 | 10.5 | 32.86 | 297 | 286 | P | H |
| | * | 5260 | 106.48 | - | - | 97.64 | 31.2 | 10.5 | 32.86 | 297 | 286 | A | H |
| | | 5428.32 | 50.35 | -23.65 | 74 | 41.13 | 31.51 | 10.65 | 32.94 | 297 | 286 | P | H |
| | | 5350.08 | 40.37 | -13.63 | 54 | 31.47 | 31.2 | 10.6 | 32.9 | 297 | 286 | A | H |
| | | 5052.36 | 50.95 | -23.05 | 74 | 41.75 | 31.71 | 10.24 | 32.75 | 204 | 313 | P | V |
| | | 5145.52 | 41.53 | -12.47 | 54 | 32.15 | 31.81 | 10.37 | 32.8 | 204 | 313 | A | V |
| | * | 5260 | 118.46 | - | - | 109.62 | 31.2 | 10.5 | 32.86 | 204 | 313 | P | V |
| | * | 5260 | 110.83 | - | - | 101.99 | 31.2 | 10.5 | 32.86 | 204 | 313 | A | V |
| | | 5361.84 | 51 | -23 | 74 | 42.05 | 31.25 | 10.61 | 32.91 | 204 | 313 | P | V |
| | | 5350.08 | 42.82 | -11.18 | 54 | 33.92 | 31.2 | 10.6 | 32.9 | 204 | 313 | A | V |
| 802.11a CH 60 5300MHz | | 5091.8 | 51.32 | -22.68 | 74 | 41.93 | 31.87 | 10.29 | 32.77 | 310 | 291 | P | H |
| | | 5094.52 | 41.11 | -12.89 | 54 | 31.7 | 31.88 | 10.3 | 32.77 | 310 | 291 | A | H |
| | * | 5300 | 113.68 | - | - | 104.81 | 31.2 | 10.55 | 32.88 | 310 | 291 | P | H |
| | * | 5300 | 106.19 | - | - | 97.32 | 31.2 | 10.55 | 32.88 | 310 | 291 | A | H |
| | | 5351.04 | 51.1 | -22.9 | 74 | 42.2 | 31.2 | 10.6 | 32.9 | 310 | 291 | P | H |
| | | 5350.32 | 42.38 | -11.62 | 54 | 33.48 | 31.2 | 10.6 | 32.9 | 310 | 291 | A | H |
| | | 5086.02 | 51.02 | -22.98 | 74 | 41.65 | 31.84 | 10.29 | 32.76 | 214 | 314 | P | V |
| | | 5145.52 | 41.4 | -12.6 | 54 | 32.02 | 31.81 | 10.37 | 32.8 | 214 | 314 | A | V |
| | * | 5300 | 118.39 | - | - | 109.52 | 31.2 | 10.55 | 32.88 | 214 | 314 | P | V |
| | * | 5300 | 110.81 | - | - | 101.94 | 31.2 | 10.55 | 32.88 | 214 | 314 | A | V |
| | | 5359.44 | 55.53 | -18.47 | 74 | 46.59 | 31.24 | 10.61 | 32.91 | 214 | 314 | P | V |
| | | 5350.08 | 46.16 | -7.84 | 54 | 37.26 | 31.2 | 10.6 | 32.9 | 214 | 314 | A | V |



| | | | | | | | | | | | | | |
|--|---|---------|--------|--------|----|--------|------|-------|-------|-----|-----|---|---|
| 802.11a CH 64 5320MHz | * | 5320 | 113.66 | - | - | 104.78 | 31.2 | 10.57 | 32.89 | 310 | 290 | P | H |
| | * | 5320 | 105.92 | - | - | 97.04 | 31.2 | 10.57 | 32.89 | 310 | 290 | A | H |
| | | 5350.08 | 57.92 | -16.08 | 74 | 49.02 | 31.2 | 10.6 | 32.9 | 310 | 290 | P | H |
| | | 5350.08 | 47.85 | -6.15 | 54 | 38.95 | 31.2 | 10.6 | 32.9 | 310 | 290 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5320 | 117.33 | - | - | 108.45 | 31.2 | 10.57 | 32.89 | 245 | 275 | P | V |
| | * | 5320 | 110.13 | - | - | 101.25 | 31.2 | 10.57 | 32.89 | 245 | 275 | A | V |
| | | 5350.56 | 61.8 | -12.2 | 74 | 52.9 | 31.2 | 10.6 | 32.9 | 245 | 275 | P | V |
| | | 5350.56 | 51.56 | -2.44 | 54 | 42.66 | 31.2 | 10.6 | 32.9 | 245 | 275 | A | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a CH 52 5260MHz | | 10520 | 46.92 | -21.28 | 68.2 | 56.84 | 39.98 | 16.82 | 66.72 | 100 | 0 | P | H |
| | | 15780 | 47.38 | -26.62 | 74 | 54.72 | 37.4 | 21.69 | 66.43 | 100 | 0 | P | H |
| | | 17945 | 56.87 | -17.13 | 74 | 52.31 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.56 | -6.44 | 54 | 43 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10520 | 47.53 | -20.67 | 68.2 | 57.45 | 39.98 | 16.82 | 66.72 | 100 | 0 | P | V |
| | | 15780 | 46.97 | -27.03 | 74 | 54.31 | 37.4 | 21.69 | 66.43 | 100 | 0 | P | V |
| | | 17934 | 57.79 | -16.21 | 74 | 53.48 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| | | 17934 | 47.26 | -6.74 | 54 | 42.95 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V |
| 802.11a CH 60 5300MHz | | 10600 | 47.11 | -26.89 | 74 | 56.93 | 39.9 | 16.9 | 66.62 | 100 | 0 | P | H |
| | | 15900 | 47.45 | -26.55 | 74 | 54.98 | 37.4 | 21.65 | 66.58 | 100 | 0 | P | H |
| | | 17923 | 56.62 | -17.38 | 74 | 52.56 | 45.86 | 23.42 | 65.22 | 100 | 0 | P | H |
| | | 17923 | 46.41 | -7.59 | 54 | 42.35 | 45.86 | 23.42 | 65.22 | 100 | 0 | A | H |
| | | 10600 | 46.63 | -27.37 | 74 | 56.45 | 39.9 | 16.9 | 66.62 | 100 | 0 | P | V |
| | | 15900 | 47.34 | -26.66 | 74 | 54.87 | 37.4 | 21.65 | 66.58 | 100 | 0 | P | V |
| | | 17945 | 57.58 | -16.42 | 74 | 53.02 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| | | 17945 | 47.54 | -6.46 | 54 | 42.98 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | V |
| 802.11a CH 64 5320MHz | | 10640 | 45.52 | -28.48 | 74 | 55.17 | 39.98 | 16.94 | 66.57 | 100 | 0 | P | H |
| | | 15960 | 47.66 | -26.34 | 74 | 55.42 | 37.28 | 21.62 | 66.66 | 100 | 0 | P | H |
| | | 17989 | 56.92 | -17.08 | 74 | 51.38 | 47.18 | 23.48 | 65.12 | 100 | 0 | P | H |
| | | 17989 | 46.94 | -7.06 | 54 | 41.4 | 47.18 | 23.48 | 65.12 | 100 | 0 | A | H |
| | | 10640 | 45.41 | -28.59 | 74 | 55.06 | 39.98 | 16.94 | 66.57 | 100 | 0 | P | V |
| | | 15960 | 46.27 | -27.73 | 74 | 54.03 | 37.28 | 21.62 | 66.66 | 100 | 0 | P | V |
| | | 17934 | 57.24 | -16.76 | 74 | 52.93 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| | | 17934 | 47.23 | -6.77 | 54 | 42.92 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT20 CH 52 5260MHz | | 5066.3 | 51.22 | -22.78 | 74 | 41.94 | 31.77 | 10.26 | 32.75 | 301 | 304 | P | H |
| | | 5099.28 | 41.08 | -12.92 | 54 | 31.65 | 31.9 | 10.3 | 32.77 | 301 | 304 | A | H |
| | * | 5260 | 114.1 | - | - | 105.26 | 31.2 | 10.5 | 32.86 | 301 | 304 | P | H |
| | * | 5260 | 105.94 | - | - | 97.1 | 31.2 | 10.5 | 32.86 | 301 | 304 | A | H |
| | | 5442.72 | 49.4 | -24.6 | 74 | 40.12 | 31.57 | 10.66 | 32.95 | 301 | 304 | P | H |
| | | 5350.56 | 40.16 | -13.84 | 54 | 31.26 | 31.2 | 10.6 | 32.9 | 301 | 304 | A | H |
| | | 5125.46 | 51.62 | -22.38 | 74 | 42.22 | 31.85 | 10.34 | 32.79 | 209 | 314 | P | V |
| | | 5145.52 | 41.57 | -12.43 | 54 | 32.19 | 31.81 | 10.37 | 32.8 | 209 | 314 | A | V |
| | * | 5260 | 118.5 | - | - | 109.66 | 31.2 | 10.5 | 32.86 | 209 | 314 | P | V |
| | * | 5260 | 110.56 | - | - | 101.72 | 31.2 | 10.5 | 32.86 | 209 | 314 | A | V |
| | | 5352 | 51.88 | -22.12 | 74 | 42.97 | 31.21 | 10.6 | 32.9 | 209 | 314 | P | V |
| | | 5350.08 | 43.23 | -10.77 | 54 | 34.33 | 31.2 | 10.6 | 32.9 | 209 | 314 | A | V |
| 802.11ac VHT20 CH 60 5300MHz | | 5041.82 | 51.1 | -22.9 | 74 | 41.98 | 31.63 | 10.23 | 32.74 | 100 | 319 | P | H |
| | | 5092.14 | 41.03 | -12.97 | 54 | 31.64 | 31.87 | 10.29 | 32.77 | 100 | 319 | A | H |
| | * | 5300 | 113.98 | - | - | 105.11 | 31.2 | 10.55 | 32.88 | 100 | 319 | P | H |
| | * | 5300 | 106.11 | - | - | 97.24 | 31.2 | 10.55 | 32.88 | 100 | 319 | A | H |
| | | 5350.08 | 50.24 | -23.76 | 74 | 41.34 | 31.2 | 10.6 | 32.9 | 100 | 319 | P | H |
| | | 5357.52 | 41.68 | -12.32 | 54 | 32.75 | 31.23 | 10.61 | 32.91 | 100 | 319 | A | H |
| | | 5131.58 | 51.72 | -22.28 | 74 | 42.32 | 31.84 | 10.35 | 32.79 | 226 | 315 | P | V |
| | | 5068.68 | 41.59 | -12.41 | 54 | 32.32 | 31.77 | 10.26 | 32.76 | 226 | 315 | A | V |
| | * | 5300 | 117.75 | - | - | 108.88 | 31.2 | 10.55 | 32.88 | 226 | 315 | P | V |
| | * | 5300 | 110.03 | - | - | 101.16 | 31.2 | 10.55 | 32.88 | 226 | 315 | A | V |
| | 5350.8 | 55.77 | -18.23 | 74 | 46.87 | 31.2 | 10.6 | 32.9 | 226 | 315 | P | V | |
| | 5350.08 | 46.75 | -7.25 | 54 | 37.85 | 31.2 | 10.6 | 32.9 | 226 | 315 | A | V | |



| | | | | | | | | | | | | | |
|---|---|---------|--------|--------|----|--------|-------|-------|-------|-----|-----|---|---|
| 802.11ac VHT20 CH 64 5320MHz | * | 5320 | 114.06 | - | - | 105.18 | 31.2 | 10.57 | 32.89 | 383 | 266 | P | H |
| | * | 5320 | 106.36 | - | - | 97.48 | 31.2 | 10.57 | 32.89 | 383 | 266 | A | H |
| | | 5351.52 | 53.47 | -20.53 | 74 | 44.56 | 31.21 | 10.6 | 32.9 | 383 | 266 | P | H |
| | | 5353.6 | 44.88 | -9.12 | 54 | 35.97 | 31.21 | 10.6 | 32.9 | 383 | 266 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5320 | 117.87 | - | - | 108.99 | 31.2 | 10.57 | 32.89 | 229 | 275 | P | V |
| | * | 5320 | 109.84 | - | - | 100.96 | 31.2 | 10.57 | 32.89 | 229 | 275 | A | V |
| | | 5350.24 | 60.49 | -13.51 | 74 | 51.59 | 31.2 | 10.6 | 32.9 | 229 | 275 | P | V |
| | | 5350.08 | 50.1 | -3.9 | 54 | 41.2 | 31.2 | 10.6 | 32.9 | 229 | 275 | A | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT20 CH 52 5260MHz | | 10520 | 47.21 | -20.99 | 68.2 | 57.13 | 39.98 | 16.82 | 66.72 | 100 | 0 | P | H |
| | | 15780 | 47.13 | -26.87 | 74 | 54.47 | 37.4 | 21.69 | 66.43 | 100 | 0 | P | H |
| | | 17945 | 56.9 | -17.1 | 74 | 52.34 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.14 | -6.86 | 54 | 42.58 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10520 | 46.86 | -21.34 | 68.2 | 56.78 | 39.98 | 16.82 | 66.72 | 100 | 0 | P | V |
| | | 15780 | 47.47 | -26.53 | 74 | 54.81 | 37.4 | 21.69 | 66.43 | 100 | 0 | P | V |
| | | 17934 | 57.41 | -16.59 | 74 | 53.1 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| | 17934 | 47.18 | -6.82 | 54 | 42.87 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V | |
| 802.11ac VHT20 CH 60 5300MHz | | 10600 | 46.08 | -27.92 | 74 | 55.9 | 39.9 | 16.9 | 66.62 | 100 | 0 | P | H |
| | | 15900 | 47.39 | -26.61 | 74 | 54.92 | 37.4 | 21.65 | 66.58 | 100 | 0 | P | H |
| | | 17945 | 56.66 | -17.34 | 74 | 52.1 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 46.5 | -7.5 | 54 | 41.94 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 10600 | 46.71 | -27.29 | 74 | 56.53 | 39.9 | 16.9 | 66.62 | 100 | 0 | P | V |
| | | 15900 | 46.19 | -27.81 | 74 | 53.72 | 37.4 | 21.65 | 66.58 | 100 | 0 | P | V |
| | | 17945 | 56.8 | -17.2 | 74 | 52.24 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| | 17945 | 46.99 | -7.01 | 54 | 42.43 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | V | |
| 802.11ac VHT20 CH 64 5320MHz | | 10640 | 46.18 | -27.82 | 74 | 55.83 | 39.98 | 16.94 | 66.57 | 100 | 0 | P | H |
| | | 15960 | 46.13 | -27.87 | 74 | 53.89 | 37.28 | 21.62 | 66.66 | 100 | 0 | P | H |
| | | 17934 | 57.71 | -16.29 | 74 | 53.4 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 46.73 | -7.27 | 54 | 42.42 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 10640 | 45.5 | -28.5 | 74 | 55.15 | 39.98 | 16.94 | 66.57 | 100 | 0 | P | V |
| | | 15960 | 46.19 | -27.81 | 74 | 53.95 | 37.28 | 21.62 | 66.66 | 100 | 0 | P | V |
| | | 17956 | 56.86 | -17.14 | 74 | 52.06 | 46.52 | 23.45 | 65.17 | 100 | 0 | P | V |
| | 17956 | 46.75 | -7.25 | 54 | 41.95 | 46.52 | 23.45 | 65.17 | 100 | 0 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT40 CH 54 5270MHz | | 5105.82 | 50.93 | -23.07 | 74 | 41.51 | 31.89 | 10.31 | 32.78 | 300 | 290 | P | H | |
| | | 5047.84 | 43.18 | -10.82 | 54 | 34.01 | 31.68 | 10.23 | 32.74 | 300 | 290 | A | H | |
| | * | 5270 | 111.92 | - | - | 103.07 | 31.2 | 10.51 | 32.86 | 300 | 290 | P | H | |
| | * | 5270 | 104.25 | - | - | 95.4 | 31.2 | 10.51 | 32.86 | 300 | 290 | A | H | |
| | | 5353.32 | 52.33 | -21.67 | 74 | 43.42 | 31.21 | 10.6 | 32.9 | 300 | 290 | P | H | |
| | | 5351.36 | 44.35 | -9.65 | 54 | 35.44 | 31.21 | 10.6 | 32.9 | 300 | 290 | A | H | |
| | | 5014.04 | 51.23 | -22.77 | 74 | 42.36 | 31.41 | 10.19 | 32.73 | 200 | 314 | P | V | |
| | | 5047.58 | 43.88 | -10.12 | 54 | 34.71 | 31.68 | 10.23 | 32.74 | 200 | 314 | A | V | |
| | * | 5270 | 114.96 | - | - | 106.11 | 31.2 | 10.51 | 32.86 | 200 | 314 | P | V | |
| | * | 5270 | 107.32 | - | - | 98.47 | 31.2 | 10.51 | 32.86 | 200 | 314 | A | V | |
| | | 5353.04 | 53.51 | -20.49 | 74 | 44.6 | 31.21 | 10.6 | 32.9 | 200 | 314 | P | V | |
| | | 5352.2 | 47.49 | -6.51 | 54 | 38.58 | 31.21 | 10.6 | 32.9 | 200 | 314 | A | V | |
| | 802.11ac VHT40 CH 62 5310MHz | | 5088.4 | 52.3 | -21.7 | 74 | 42.93 | 31.85 | 10.29 | 32.77 | 302 | 309 | P | H |
| | | | 5086.36 | 43.28 | -10.72 | 54 | 33.9 | 31.85 | 10.29 | 32.76 | 302 | 309 | A | H |
| * | | 5310 | 109.41 | - | - | 100.53 | 31.2 | 10.56 | 32.88 | 302 | 309 | P | H | |
| * | | 5310 | 102.28 | - | - | 93.4 | 31.2 | 10.56 | 32.88 | 302 | 309 | A | H | |
| | | 5355.84 | 51.54 | -22.46 | 74 | 42.63 | 31.22 | 10.6 | 32.91 | 302 | 309 | P | H | |
| | | 5350.56 | 45.54 | -8.46 | 54 | 36.64 | 31.2 | 10.6 | 32.9 | 302 | 309 | A | H | |
| | | 5088.06 | 52.4 | -21.6 | 74 | 43.03 | 31.85 | 10.29 | 32.77 | 230 | 316 | P | V | |
| | | 5087.38 | 45.51 | -8.49 | 54 | 36.14 | 31.85 | 10.29 | 32.77 | 230 | 316 | A | V | |
| * | | 5310 | 111.88 | - | - | 103 | 31.2 | 10.56 | 32.88 | 230 | 316 | P | V | |
| * | | 5310 | 104.76 | - | - | 95.88 | 31.2 | 10.56 | 32.88 | 230 | 316 | A | V | |
| | 5365.2 | 57 | -17 | 74 | 48.04 | 31.26 | 10.61 | 32.91 | 230 | 316 | P | V | | |
| | 5351.52 | 49.75 | -4.25 | 54 | 40.84 | 31.21 | 10.6 | 32.9 | 230 | 316 | A | V | | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------|------|---|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT40 CH 54 5270MHz | | 10540 | 46.44 | -21.76 | 68.2 | 56.34 | 39.96 | 16.84 | 66.7 | 100 | 0 | P | H |
| | | 15810 | 47 | -27 | 74 | 54.48 | 37.31 | 21.68 | 66.47 | 100 | 0 | P | H |
| | | 17934 | 57.31 | -16.69 | 74 | 53 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 47.25 | -6.75 | 54 | 42.94 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 10540 | 45.44 | -22.76 | 68.2 | 55.34 | 39.96 | 16.84 | 66.7 | 100 | 0 | P | V |
| | | 15810 | 48.18 | -25.82 | 74 | 55.66 | 37.31 | 21.68 | 66.47 | 100 | 0 | P | V |
| | | 17945 | 57.39 | -16.61 | 74 | 52.83 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| 802.11ac VHT40 CH 62 5310MHz | | 10620 | 44.94 | -29.06 | 74 | 54.67 | 39.94 | 16.92 | 66.59 | 100 | 0 | P | H |
| | | 15930 | 46.43 | -27.57 | 74 | 54.08 | 37.34 | 21.63 | 66.62 | 100 | 0 | P | H |
| | | 17934 | 56.37 | -17.63 | 74 | 52.06 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 47.82 | -6.18 | 54 | 43.51 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 10620 | 44.59 | -29.41 | 74 | 54.32 | 39.94 | 16.92 | 66.59 | 100 | 0 | P | V |
| | | 15930 | 46.85 | -27.15 | 74 | 54.5 | 37.34 | 21.63 | 66.62 | 100 | 0 | P | V |
| | | 17945 | 56.58 | -17.42 | 74 | 52.02 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| Remark | | | | | | | | | | | | | |
| | | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | |



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 58 5290MHz | | 5092.4 | 51.13 | -22.87 | 74 | 41.74 | 31.87 | 10.29 | 32.77 | 305 | 292 | P | H |
| | | 5052.5 | 42.65 | -11.35 | 54 | 33.45 | 31.71 | 10.24 | 32.75 | 305 | 292 | A | H |
| | * | 5290 | 102.14 | - | - | 93.28 | 31.2 | 10.53 | 32.87 | 305 | 292 | P | H |
| | * | 5290 | 93.55 | - | - | 84.69 | 31.2 | 10.53 | 32.87 | 305 | 292 | A | H |
| | | 5352.24 | 58.37 | -15.63 | 74 | 49.46 | 31.21 | 10.6 | 32.9 | 305 | 292 | P | H |
| | | 5353.44 | 50.51 | -3.49 | 54 | 41.6 | 31.21 | 10.6 | 32.9 | 305 | 292 | A | H |
| | | 5048 | 50.9 | -23.1 | 74 | 41.73 | 31.68 | 10.23 | 32.74 | 131 | 356 | P | V |
| | | 5089.7 | 42.75 | -11.25 | 54 | 33.37 | 31.86 | 10.29 | 32.77 | 131 | 356 | A | V |
| | * | 5290 | 105.65 | - | - | 96.79 | 31.2 | 10.53 | 32.87 | 131 | 356 | P | V |
| | * | 5290 | 97.53 | - | - | 88.67 | 31.2 | 10.53 | 32.87 | 131 | 356 | A | V |
| | | 5366.4 | 59.85 | -14.15 | 74 | 50.88 | 31.27 | 10.61 | 32.91 | 131 | 356 | P | V |
| | 5350.08 | 51.92 | -2.08 | 54 | 43.02 | 31.2 | 10.6 | 32.9 | 131 | 356 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT80 CH 58 5290MHz and a Remark section.



Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|------------------------------|------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11a CH 100 5500MHz | | 5459.44 | 53.53 | -20.47 | 74 | 44.21 | 31.62 | 10.66 | 32.96 | 236 | 329 | P | H | |
| | | 5469.84 | 61.18 | -7.02 | 68.2 | 51.84 | 31.64 | 10.66 | 32.96 | 236 | 329 | P | H | |
| | | 5460 | 43.6 | -10.4 | 54 | 34.28 | 31.62 | 10.66 | 32.96 | 236 | 329 | A | H | |
| | * | 5500 | 112.94 | - | - | 103.56 | 31.7 | 10.66 | 32.98 | 236 | 329 | P | H | |
| | * | 5500 | 105.98 | - | - | 96.6 | 31.7 | 10.66 | 32.98 | 236 | 329 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | 5453.52 | 55.37 | -18.63 | 74 | 46.06 | 31.61 | 10.66 | 32.96 | 247 | 275 | P | V |
| | | | 5469.2 | 63.53 | -4.67 | 68.2 | 54.19 | 31.64 | 10.66 | 32.96 | 247 | 275 | P | V |
| | | | 5460 | 46.55 | -7.45 | 54 | 37.23 | 31.62 | 10.66 | 32.96 | 247 | 275 | A | V |
| | * | | 5500 | 117.83 | - | - | 108.45 | 31.7 | 10.66 | 32.98 | 247 | 275 | P | V |
| | | | 5500 | 110.35 | - | - | 100.97 | 31.7 | 10.66 | 32.98 | 247 | 275 | P | V |
| | | | | | | | | | | | | | | V |
| 802.11a CH 116 5580MHz | | 5350.48 | 49.83 | -24.17 | 74 | 40.93 | 31.2 | 10.6 | 32.9 | 206 | 35 | P | H | |
| | | 5467.6 | 48.86 | -19.34 | 68.2 | 39.52 | 31.64 | 10.66 | 32.96 | 206 | 35 | P | H | |
| | | 5458.96 | 39.99 | -14.01 | 54 | 30.67 | 31.62 | 10.66 | 32.96 | 206 | 35 | A | H | |
| | * | 5580 | 113.67 | - | - | 104.3 | 31.66 | 10.68 | 32.97 | 206 | 35 | P | H | |
| | * | 5580 | 106.15 | - | - | 96.78 | 31.66 | 10.68 | 32.97 | 206 | 35 | A | H | |
| | | | 5765 | 50.48 | -17.72 | 68.2 | 40.51 | 32.03 | 10.87 | 32.93 | 206 | 35 | P | H |
| | | | 5411.44 | 50.63 | -23.37 | 74 | 41.46 | 31.45 | 10.65 | 32.93 | 219 | 3 | P | V |
| | | | 5468.32 | 50.4 | -17.8 | 68.2 | 41.06 | 31.64 | 10.66 | 32.96 | 219 | 3 | P | V |
| | | | 5457.76 | 40.75 | -13.25 | 54 | 31.43 | 31.62 | 10.66 | 32.96 | 219 | 3 | A | V |
| | * | | 5580 | 117.92 | - | - | 108.55 | 31.66 | 10.68 | 32.97 | 219 | 3 | P | V |
| | * | | 5580 | 109.87 | - | - | 100.5 | 31.66 | 10.68 | 32.97 | 219 | 3 | A | V |
| | | | 5761.22 | 51.56 | -16.64 | 68.2 | 41.6 | 32.02 | 10.87 | 32.93 | 219 | 3 | P | V |



| | | | | | | | | | | | | | |
|---|---|---------|--------|-------|------|--------|-------|-------|-------|-----|-----|---|---|
| 802.11a CH 140 5700MHz | * | 5700 | 112 | - | - | 102.34 | 31.8 | 10.8 | 32.94 | 254 | 336 | P | H |
| | * | 5700 | 104.47 | - | - | 94.81 | 31.8 | 10.8 | 32.94 | 254 | 336 | A | H |
| | | 5728.36 | 59.2 | -9 | 68.2 | 49.4 | 31.91 | 10.83 | 32.94 | 254 | 336 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5700 | 115.32 | - | - | 105.66 | 31.8 | 10.8 | 32.94 | 100 | 5 | P | V |
| | * | 5700 | 108.16 | - | - | 98.5 | 31.8 | 10.8 | 32.94 | 100 | 5 | A | V |
| | | 5727.16 | 64.89 | -3.31 | 68.2 | 55.09 | 31.91 | 10.83 | 32.94 | 100 | 5 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11a CH 100 5500MHz | | 11000 | 45.53 | -28.47 | 74 | 54.16 | 40.2 | 17.27 | 66.1 | 100 | 0 | P | H |
| | | 16500 | 47.85 | -20.35 | 68.2 | 53.6 | 38.5 | 22.07 | 66.32 | 100 | 0 | P | H |
| | | 17934 | 56.24 | -17.76 | 74 | 51.93 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 47.18 | -6.82 | 54 | 42.87 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 11000 | 45.27 | -28.73 | 74 | 53.9 | 40.2 | 17.27 | 66.1 | 100 | 0 | P | V |
| | | 16500 | 47.41 | -20.79 | 68.2 | 53.16 | 38.5 | 22.07 | 66.32 | 100 | 0 | P | V |
| | | 17956 | 55.66 | -18.34 | 74 | 50.86 | 46.52 | 23.45 | 65.17 | 100 | 0 | P | V |
| | | 17956 | 47.72 | -6.28 | 54 | 42.92 | 46.52 | 23.45 | 65.17 | 100 | 0 | A | V |
| 802.11a CH 116 5580MHz | | 11160 | 47.49 | -26.51 | 74 | 56.59 | 39.62 | 17.42 | 66.14 | 100 | 0 | P | H |
| | | 16740 | 49.22 | -18.98 | 68.2 | 53.68 | 39.62 | 22.29 | 66.37 | 100 | 0 | P | H |
| | | 17923 | 56.23 | -17.77 | 74 | 52.17 | 45.86 | 23.42 | 65.22 | 100 | 0 | P | H |
| | | 17923 | 46.55 | -7.45 | 54 | 42.49 | 45.86 | 23.42 | 65.22 | 100 | 0 | A | H |
| | | 11160 | 46.97 | -27.03 | 74 | 56.07 | 39.62 | 17.42 | 66.14 | 100 | 0 | P | V |
| | | 16740 | 49.2 | -19 | 68.2 | 53.66 | 39.62 | 22.29 | 66.37 | 100 | 0 | P | V |
| | | 17945 | 55.26 | -18.74 | 74 | 50.7 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| | | 17945 | 47.11 | -6.89 | 54 | 42.55 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | V |
| 802.11a CH 140 5700MHz | | 11400 | 46.28 | -27.72 | 74 | 55.13 | 39.7 | 17.65 | 66.2 | 100 | 0 | P | H |
| | | 17100 | 48.05 | -20.15 | 68.2 | 51.84 | 39.9 | 22.62 | 66.31 | 100 | 0 | P | H |
| | | 17945 | 55.27 | -18.73 | 74 | 50.71 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.04 | -6.96 | 54 | 42.48 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 11400 | 46 | -28 | 74 | 54.85 | 39.7 | 17.65 | 66.2 | 100 | 0 | P | V |
| | | 17100 | 48.35 | -19.85 | 68.2 | 52.14 | 39.9 | 22.62 | 66.31 | 100 | 0 | P | V |
| | | 17934 | 56.17 | -17.83 | 74 | 51.86 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| | | 17934 | 47.09 | -6.91 | 54 | 42.78 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|-------------------------------|------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ac VHT20 CH 100 5500MHz | | 5458.32 | 52.84 | -21.16 | 74 | 43.52 | 31.62 | 10.66 | 32.96 | 396 | 51 | P | H | |
| | | 5470 | 60.54 | -7.66 | 68.2 | 51.2 | 31.64 | 10.66 | 32.96 | 396 | 51 | P | H | |
| | | 5460 | 43.94 | -10.06 | 54 | 34.62 | 31.62 | 10.66 | 32.96 | 396 | 51 | A | H | |
| | * | 5500 | 112.88 | - | - | 103.5 | 31.7 | 10.66 | 32.98 | 396 | 51 | P | H | |
| | * | 5500 | 105.1 | - | - | 95.72 | 31.7 | 10.66 | 32.98 | 396 | 51 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | 5459.12 | 56.75 | -17.25 | 74 | 47.43 | 31.62 | 10.66 | 32.96 | 135 | 4 | P | V |
| | | | 5470 | 64.99 | -3.21 | 68.2 | 55.65 | 31.64 | 10.66 | 32.96 | 135 | 4 | P | V |
| | | | 5459.92 | 45.89 | -8.11 | 54 | 36.57 | 31.62 | 10.66 | 32.96 | 135 | 4 | A | V |
| | * | | 5500 | 115.59 | - | - | 106.21 | 31.7 | 10.66 | 32.98 | 135 | 4 | P | V |
| | * | | 5500 | 107.95 | - | - | 98.57 | 31.7 | 10.66 | 32.98 | 135 | 4 | A | V |
| | | | | | | | | | | | | | V | |
| 802.11ac VHT20 CH 116 5580MHz | | 5444.08 | 48.93 | -25.07 | 74 | 39.64 | 31.58 | 10.66 | 32.95 | 219 | 34 | P | H | |
| | | 5468.08 | 49.3 | -18.9 | 68.2 | 39.96 | 31.64 | 10.66 | 32.96 | 219 | 34 | P | H | |
| | | 5458.96 | 39.88 | -14.12 | 54 | 30.56 | 31.62 | 10.66 | 32.96 | 219 | 34 | A | H | |
| | * | 5580 | 112.62 | - | - | 103.25 | 31.66 | 10.68 | 32.97 | 219 | 34 | P | H | |
| | * | 5580 | 105.21 | - | - | 95.84 | 31.66 | 10.68 | 32.97 | 219 | 34 | A | H | |
| | | | 5752.085 | 51.62 | -16.58 | 68.2 | 41.7 | 32 | 10.85 | 32.93 | 219 | 34 | P | H |
| | | | 5453.2 | 51.36 | -22.64 | 74 | 42.05 | 31.61 | 10.66 | 32.96 | 197 | 2 | P | V |
| | | | 5462.8 | 49.51 | -18.69 | 68.2 | 40.18 | 31.63 | 10.66 | 32.96 | 197 | 2 | P | V |
| | | | 5457.76 | 40.91 | -13.09 | 54 | 31.59 | 31.62 | 10.66 | 32.96 | 197 | 2 | A | V |
| | * | | 5580 | 117.95 | - | - | 108.58 | 31.66 | 10.68 | 32.97 | 197 | 2 | P | V |
| | * | | 5580 | 110.46 | - | - | 101.09 | 31.66 | 10.68 | 32.97 | 197 | 2 | A | V |
| | | 5725 | 50.59 | -17.61 | 68.2 | 40.81 | 31.9 | 10.82 | 32.94 | 197 | 2 | P | V | |



| | | | | | | | | | | | | | |
|--|---|---------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| 802.11ac VHT20 CH 140 5700MHz | * | 5700 | 111.74 | - | - | 102.08 | 31.8 | 10.8 | 32.94 | 255 | 333 | P | H |
| | * | 5700 | 104.15 | - | - | 94.49 | 31.8 | 10.8 | 32.94 | 255 | 333 | A | H |
| | | 5732.36 | 57.83 | -10.37 | 68.2 | 48.01 | 31.93 | 10.83 | 32.94 | 255 | 333 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5700 | 115.03 | - | - | 105.37 | 31.8 | 10.8 | 32.94 | 102 | 4 | P | V |
| | * | 5700 | 106.95 | - | - | 97.29 | 31.8 | 10.8 | 32.94 | 102 | 4 | A | V |
| | | 5725.48 | 65.78 | -2.42 | 68.2 | 56 | 31.9 | 10.82 | 32.94 | 102 | 4 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT20 CH 100 5500MHz | | 11000 | 45.92 | -28.08 | 74 | 54.55 | 40.2 | 17.27 | 66.1 | 100 | 0 | P | H |
| | | 16500 | 47.56 | -20.64 | 68.2 | 53.31 | 38.5 | 22.07 | 66.32 | 100 | 0 | P | H |
| | | 17945 | 55.74 | -18.26 | 74 | 51.18 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.04 | -6.96 | 54 | 42.48 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 11000 | 46.24 | -27.76 | 74 | 54.87 | 40.2 | 17.27 | 66.1 | 100 | 0 | P | V |
| | | 16500 | 47.51 | -20.69 | 68.2 | 53.26 | 38.5 | 22.07 | 66.32 | 100 | 0 | P | V |
| | | 17945 | 55.75 | -18.25 | 74 | 51.19 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| 802.11ac VHT20 CH 116 5580MHz | | 11160 | 47.1 | -26.9 | 74 | 56.2 | 39.62 | 17.42 | 66.14 | 100 | 0 | P | H |
| | | 16740 | 49.74 | -18.46 | 68.2 | 54.2 | 39.62 | 22.29 | 66.37 | 100 | 0 | P | H |
| | | 17945 | 56.1 | -17.9 | 74 | 51.54 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 46.98 | -7.02 | 54 | 42.42 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 11160 | 47.24 | -26.76 | 74 | 56.34 | 39.62 | 17.42 | 66.14 | 100 | 0 | P | V |
| | | 16740 | 49.5 | -18.7 | 68.2 | 53.96 | 39.62 | 22.29 | 66.37 | 100 | 0 | P | V |
| | | 17923 | 55.85 | -18.15 | 74 | 51.79 | 45.86 | 23.42 | 65.22 | 100 | 0 | P | V |
| 802.11ac VHT20 CH 140 5700MHz | | 11400 | 45.27 | -28.73 | 74 | 54.12 | 39.7 | 17.65 | 66.2 | 100 | 0 | P | H |
| | | 17100 | 47.44 | -20.76 | 68.2 | 51.23 | 39.9 | 22.62 | 66.31 | 100 | 0 | P | H |
| | | 17989 | 55.55 | -18.45 | 74 | 50.01 | 47.18 | 23.48 | 65.12 | 100 | 0 | P | H |
| | | 17989 | 48.41 | -5.59 | 54 | 42.87 | 47.18 | 23.48 | 65.12 | 100 | 0 | A | H |
| | | 11400 | 45.91 | -28.09 | 74 | 54.76 | 39.7 | 17.65 | 66.2 | 100 | 0 | P | V |
| | | 17100 | 48.48 | -19.72 | 68.2 | 52.27 | 39.9 | 22.62 | 66.31 | 100 | 0 | P | V |
| | | 17934 | 56.31 | -17.69 | 74 | 52 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| | 17934 | 47.2 | -6.8 | 54 | 42.89 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|----------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 102 5510MHz | | 5458.96 | 53.51 | -20.49 | 74 | 44.19 | 31.62 | 10.66 | 32.96 | 300 | 290 | P | H |
| | | 5467.36 | 56.01 | -12.19 | 68.2 | 46.68 | 31.63 | 10.66 | 32.96 | 300 | 290 | P | H |
| | | 5459.2 | 44.52 | -9.48 | 54 | 35.2 | 31.62 | 10.66 | 32.96 | 300 | 290 | A | H |
| | * | 5510 | 99.36 | - | - | 89.99 | 31.68 | 10.67 | 32.98 | 300 | 290 | P | H |
| | * | 5510 | 91.86 | - | - | 82.49 | 31.68 | 10.67 | 32.98 | 300 | 290 | A | H |
| | | 5739.485 | 50 | -18.2 | 68.2 | 40.14 | 31.96 | 10.84 | 32.94 | 300 | 290 | P | H |
| | | 5459.92 | 57.29 | -16.71 | 74 | 47.97 | 31.62 | 10.66 | 32.96 | 230 | 281 | P | V |
| | | 5468.56 | 65.62 | -2.58 | 68.2 | 56.28 | 31.64 | 10.66 | 32.96 | 230 | 281 | P | V |
| | | 5459.92 | 50.52 | -3.48 | 54 | 41.2 | 31.62 | 10.66 | 32.96 | 230 | 281 | A | V |
| | * | 5510 | 111.44 | - | - | 102.07 | 31.68 | 10.67 | 32.98 | 230 | 281 | P | V |
| | * | 5510 | 103.8 | - | - | 94.43 | 31.68 | 10.67 | 32.98 | 230 | 281 | A | V |
| | 5732.555 | 54.28 | -13.92 | 68.2 | 44.46 | 31.93 | 10.83 | 32.94 | 230 | 281 | P | V | |
| 802.11ac VHT40 CH 110 5550MHz | | 5459.68 | 50.01 | -23.99 | 74 | 40.69 | 31.62 | 10.66 | 32.96 | 289 | 313 | P | H |
| | | 5466.16 | 50.62 | -17.58 | 68.2 | 41.29 | 31.63 | 10.66 | 32.96 | 289 | 313 | P | H |
| | | 5459.44 | 42.53 | -11.47 | 54 | 33.21 | 31.62 | 10.66 | 32.96 | 289 | 313 | A | H |
| | * | 5550 | 105.16 | - | - | 95.86 | 31.6 | 10.67 | 32.97 | 289 | 313 | P | H |
| | * | 5550 | 97.77 | - | - | 88.47 | 31.6 | 10.67 | 32.97 | 289 | 313 | A | H |
| | | 5748.935 | 49.82 | -18.38 | 68.2 | 39.91 | 32 | 10.85 | 32.94 | 289 | 313 | P | H |
| | | 5450.8 | 52.78 | -21.22 | 74 | 43.47 | 31.6 | 10.66 | 32.95 | 228 | 267 | P | V |
| | | 5469.76 | 54.81 | -13.39 | 68.2 | 45.47 | 31.64 | 10.66 | 32.96 | 228 | 267 | P | V |
| | | 5458.96 | 45.49 | -8.51 | 54 | 36.17 | 31.62 | 10.66 | 32.96 | 228 | 267 | A | V |
| | * | 5550 | 113.81 | - | - | 104.51 | 31.6 | 10.67 | 32.97 | 228 | 267 | P | V |
| | * | 5550 | 106.42 | - | - | 97.12 | 31.6 | 10.67 | 32.97 | 228 | 267 | A | V |
| | 5754.605 | 50.96 | -17.24 | 68.2 | 41.02 | 32.01 | 10.86 | 32.93 | 228 | 267 | P | V | |



| | | | | | | | | | | | | | |
|--|---|----------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| 802.11ac VHT40 CH 134 5670MHz | | 5451.5 | 49.52 | -24.48 | 74 | 40.21 | 31.6 | 10.66 | 32.95 | 308 | 338 | P | H |
| | | 5465.85 | 48.22 | -19.98 | 68.2 | 38.89 | 31.63 | 10.66 | 32.96 | 308 | 338 | P | H |
| | | 5446.25 | 42.32 | -11.68 | 54 | 33.02 | 31.59 | 10.66 | 32.95 | 308 | 338 | A | H |
| | * | 5670 | 108.34 | - | - | 98.73 | 31.8 | 10.76 | 32.95 | 308 | 338 | P | H |
| | * | 5670 | 100.86 | - | - | 91.25 | 31.8 | 10.76 | 32.95 | 308 | 338 | A | H |
| | | 5727.55 | 60.55 | -7.65 | 68.2 | 50.75 | 31.91 | 10.83 | 32.94 | 308 | 338 | P | H |
| | | 5446.25 | 54.57 | -19.43 | 74 | 45.27 | 31.59 | 10.66 | 32.95 | 231 | 282 | P | V |
| | | 5460.6 | 49.63 | -18.57 | 68.2 | 40.31 | 31.62 | 10.66 | 32.96 | 231 | 282 | P | V |
| | | 5447.3 | 48.39 | -5.61 | 54 | 39.09 | 31.59 | 10.66 | 32.95 | 231 | 282 | A | V |
| | * | 5670 | 112.28 | - | - | 102.67 | 31.8 | 10.76 | 32.95 | 231 | 282 | P | V |
| | * | 5670 | 104.8 | - | - | 95.19 | 31.8 | 10.76 | 32.95 | 231 | 282 | A | V |
| | | 5727.375 | 63.83 | -4.37 | 68.2 | 54.03 | 31.91 | 10.83 | 32.94 | 231 | 282 | P | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 102 5510MHz | | 11020 | 47.13 | -26.87 | 74 | 55.82 | 40.12 | 17.29 | 66.1 | 100 | 0 | P | H |
| | | 16530 | 47.9 | -20.3 | 68.2 | 53.54 | 38.59 | 22.1 | 66.33 | 100 | 0 | P | H |
| | | 17967 | 56.28 | -17.72 | 74 | 51.23 | 46.74 | 23.46 | 65.15 | 100 | 0 | P | H |
| | | 17967 | 47.98 | -6.02 | 54 | 42.93 | 46.74 | 23.46 | 65.15 | 100 | 0 | A | H |
| | | 11020 | 45.98 | -28.02 | 74 | 54.67 | 40.12 | 17.29 | 66.1 | 100 | 0 | P | V |
| | | 16530 | 48.57 | -19.63 | 68.2 | 54.21 | 38.59 | 22.1 | 66.33 | 100 | 0 | P | V |
| | | 17934 | 56.39 | -17.61 | 74 | 52.08 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| 802.11ac VHT40 CH 110 5550MHz | | 11100 | 45.78 | -28.22 | 74 | 54.73 | 39.8 | 17.37 | 66.12 | 100 | 0 | P | H |
| | | 16650 | 48.62 | -19.58 | 68.2 | 53.62 | 39.15 | 22.2 | 66.35 | 100 | 0 | P | H |
| | | 17934 | 55.85 | -18.15 | 74 | 51.54 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 47.2 | -6.8 | 54 | 42.89 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 11100 | 45.26 | -28.74 | 74 | 54.21 | 39.8 | 17.37 | 66.12 | 100 | 0 | P | V |
| | | 16650 | 49.58 | -18.62 | 68.2 | 54.58 | 39.15 | 22.2 | 66.35 | 100 | 0 | P | V |
| | | 17945 | 56.58 | -17.42 | 74 | 52.02 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | V |
| 802.11ac VHT40 CH 134 5670MHz | | 11340 | 44.67 | -29.33 | 74 | 53.67 | 39.58 | 17.6 | 66.18 | 100 | 0 | P | H |
| | | 17010 | 47.94 | -20.26 | 68.2 | 51.64 | 40.17 | 22.54 | 66.41 | 100 | 0 | P | H |
| | | 17945 | 55.31 | -18.69 | 74 | 50.75 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.44 | -6.56 | 54 | 42.88 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 11340 | 45.09 | -28.91 | 74 | 54.09 | 39.58 | 17.6 | 66.18 | 100 | 0 | P | V |
| | | 17010 | 47.91 | -20.29 | 68.2 | 51.61 | 40.17 | 22.54 | 66.41 | 100 | 0 | P | V |
| | | 17923 | 56.03 | -17.97 | 74 | 51.97 | 45.86 | 23.42 | 65.22 | 100 | 0 | P | V |
| Remark | | 17923 | 46.94 | -7.06 | 54 | 42.88 | 45.86 | 23.42 | 65.22 | 100 | 0 | A | V |
| | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 106 5530MHz | | 5451.52 | 52.28 | -21.72 | 74 | 42.97 | 31.6 | 10.66 | 32.95 | 390 | 46 | P | H |
| | | 5467.36 | 55.73 | -12.47 | 68.2 | 46.4 | 31.63 | 10.66 | 32.96 | 390 | 46 | P | H |
| | | 5454.88 | 44.63 | -9.37 | 54 | 35.32 | 31.61 | 10.66 | 32.96 | 390 | 46 | A | H |
| | * | 5530 | 99.26 | - | - | 89.92 | 31.64 | 10.67 | 32.97 | 390 | 46 | P | H |
| | * | 5530 | 91.55 | - | - | 82.21 | 31.64 | 10.67 | 32.97 | 390 | 46 | A | H |
| | | 5762.48 | 50.56 | -17.64 | 68.2 | 40.6 | 32.02 | 10.87 | 32.93 | 390 | 46 | P | H |
| | | 5454.4 | 58.95 | -15.05 | 74 | 49.64 | 31.61 | 10.66 | 32.96 | 100 | 0 | P | V |
| | | 5460.88 | 58.22 | -9.98 | 68.2 | 48.9 | 31.62 | 10.66 | 32.96 | 100 | 0 | P | V |
| | | 5458.72 | 52.46 | -1.54 | 54 | 43.14 | 31.62 | 10.66 | 32.96 | 100 | 0 | A | V |
| | * | 5530 | 104.79 | - | - | 95.45 | 31.64 | 10.67 | 32.97 | 100 | 0 | P | V |
| | * | 5530 | 96.79 | - | - | 87.45 | 31.64 | 10.67 | 32.97 | 100 | 0 | A | V |
| | 5741.06 | 51.72 | -16.48 | 68.2 | 41.86 | 31.96 | 10.84 | 32.94 | 100 | 0 | P | V | |
| 802.11ac VHT80 CH 122 5610MHz | | 5453.6 | 55.32 | -18.68 | 74 | 46.01 | 31.61 | 10.66 | 32.96 | 205 | 35 | P | H |
| | | 5469.35 | 54.99 | -13.21 | 68.2 | 45.65 | 31.64 | 10.66 | 32.96 | 205 | 35 | P | H |
| | | 5456.05 | 46.47 | -7.53 | 54 | 37.16 | 31.61 | 10.66 | 32.96 | 205 | 35 | A | H |
| | * | 5610 | 108.61 | - | - | 99.16 | 31.72 | 10.69 | 32.96 | 205 | 35 | P | H |
| | * | 5610 | 100.87 | - | - | 91.42 | 31.72 | 10.69 | 32.96 | 205 | 35 | A | H |
| | | 5731.225 | 58.89 | -9.31 | 68.2 | 49.08 | 31.92 | 10.83 | 32.94 | 205 | 35 | P | H |
| | | 5459.2 | 58.18 | -15.82 | 74 | 48.86 | 31.62 | 10.66 | 32.96 | 304 | 0 | P | V |
| | | 5465.5 | 60.03 | -8.17 | 68.2 | 50.7 | 31.63 | 10.66 | 32.96 | 304 | 0 | P | V |
| | | 5458.5 | 51.83 | -2.17 | 54 | 42.51 | 31.62 | 10.66 | 32.96 | 304 | 0 | A | V |
| | * | 5610 | 112.01 | - | - | 102.56 | 31.72 | 10.69 | 32.96 | 304 | 0 | P | V |
| | * | 5610 | 104.17 | - | - | 94.72 | 31.72 | 10.69 | 32.96 | 304 | 0 | A | V |
| | 5738.225 | 62.99 | -5.21 | 68.2 | 53.14 | 31.95 | 10.84 | 32.94 | 304 | 0 | P | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---|------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 106 5530MHz | | 11060 | 46.69 | -27.31 | 74 | 55.51 | 39.96 | 17.33 | 66.11 | 100 | 0 | P | H |
| | | 16590 | 48.32 | -19.88 | 68.2 | 53.74 | 38.77 | 22.15 | 66.34 | 100 | 0 | P | H |
| | | 17945 | 56.67 | -17.33 | 74 | 52.11 | 46.3 | 23.44 | 65.18 | 100 | 0 | P | H |
| | | 17945 | 47.48 | -6.52 | 54 | 42.92 | 46.3 | 23.44 | 65.18 | 100 | 0 | A | H |
| | | 11060 | 45.22 | -28.78 | 74 | 54.04 | 39.96 | 17.33 | 66.11 | 100 | 0 | P | V |
| | | 16590 | 47.5 | -20.7 | 68.2 | 52.92 | 38.77 | 22.15 | 66.34 | 100 | 0 | P | V |
| | | 17934 | 56.16 | -17.84 | 74 | 51.85 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | V |
| 802.11ac VHT80 CH 122 5610MHz | | 17934 | 47.2 | -6.8 | 54 | 42.89 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | V |
| | | 11220 | 46.82 | -27.18 | 74 | 55.99 | 39.5 | 17.48 | 66.15 | 100 | 0 | P | H |
| | | 16830 | 49.59 | -18.61 | 68.2 | 53.81 | 39.8 | 22.37 | 66.39 | 100 | 0 | P | H |
| | | 17934 | 56.61 | -17.39 | 74 | 52.3 | 46.08 | 23.43 | 65.2 | 100 | 0 | P | H |
| | | 17934 | 47.25 | -6.75 | 54 | 42.94 | 46.08 | 23.43 | 65.2 | 100 | 0 | A | H |
| | | 11220 | 47.2 | -26.8 | 74 | 56.37 | 39.5 | 17.48 | 66.15 | 100 | 0 | P | V |
| | | 16830 | 49.9 | -18.3 | 68.2 | 54.12 | 39.8 | 22.37 | 66.39 | 100 | 0 | P | V |
| Remark | | 17956 | 57.49 | -16.51 | 74 | 52.69 | 46.52 | 23.45 | 65.17 | 100 | 0 | P | V |
| | | 17956 | 47.7 | -6.3 | 54 | 42.9 | 46.52 | 23.45 | 65.17 | 100 | 0 | A | V |
| 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---------------------------------------|---|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 1+2 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11a CH 144 5720MHz | | 5435.02 | 49.96 | -24.04 | 74 | 40.71 | 31.54 | 10.66 | 32.95 | 208 | 327 | P | H |
| | | 5462.71 | 48.89 | -19.31 | 68.2 | 39.56 | 31.63 | 10.66 | 32.96 | 208 | 327 | P | H |
| | | 5452.57 | 40.07 | -13.93 | 54 | 30.76 | 31.61 | 10.66 | 32.96 | 208 | 327 | A | H |
| | * | 5720 | 113.66 | - | - | 103.9 | 31.88 | 10.82 | 32.94 | 208 | 327 | P | H |
| | * | 5720 | 106.13 | - | - | 96.37 | 31.88 | 10.82 | 32.94 | 208 | 327 | A | H |
| | | 5944.75 | 51.82 | -16.38 | 68.2 | 41.28 | 32.4 | 11.04 | 32.9 | 208 | 327 | P | H |
| | | 5438.14 | 49.75 | -24.25 | 74 | 40.49 | 31.55 | 10.66 | 32.95 | 100 | 4 | P | V |
| | | 5466.22 | 49.75 | -18.45 | 68.2 | 40.42 | 31.63 | 10.66 | 32.96 | 100 | 4 | P | V |
| | | 5458.42 | 40.23 | -13.77 | 54 | 30.91 | 31.62 | 10.66 | 32.96 | 100 | 4 | A | V |
| | * | 5720 | 118.24 | - | - | 108.48 | 31.88 | 10.82 | 32.94 | 100 | 4 | P | V |
| | * | 5720 | 110.91 | - | - | 101.15 | 31.88 | 10.82 | 32.94 | 100 | 4 | A | V |
| | | 5940.75 | 51.89 | -16.31 | 68.2 | 41.35 | 32.4 | 11.04 | 32.9 | 100 | 4 | P | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11a CH 144 (5720MHz) and a Remark section.



Band 3 - Straddle Channel
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT20 CH 144 5720MHz | | 5429.56 | 48.6 | -25.4 | 74 | 39.37 | 31.52 | 10.65 | 32.94 | 210 | 353 | P | H |
| | | 5470 | 48.97 | -19.23 | 68.2 | 39.63 | 31.64 | 10.66 | 32.96 | 210 | 353 | P | H |
| | | 5459.98 | 40.01 | -13.99 | 54 | 30.69 | 31.62 | 10.66 | 32.96 | 210 | 353 | A | H |
| | * | 5720 | 113.58 | - | - | 103.82 | 31.88 | 10.82 | 32.94 | 210 | 353 | P | H |
| | * | 5720 | 106.04 | - | - | 96.28 | 31.88 | 10.82 | 32.94 | 210 | 353 | A | H |
| | | 5931 | 51.38 | -16.82 | 68.2 | 40.85 | 32.4 | 11.03 | 32.9 | 210 | 353 | P | H |
| | | 5457.25 | 50.18 | -23.82 | 74 | 40.87 | 31.61 | 10.66 | 32.96 | 100 | 4 | P | V |
| | | 5461.15 | 50.09 | -18.11 | 68.2 | 40.77 | 31.62 | 10.66 | 32.96 | 100 | 4 | P | V |
| | | 5459.59 | 40.23 | -13.77 | 54 | 30.91 | 31.62 | 10.66 | 32.96 | 100 | 4 | A | V |
| | * | 5720 | 118.52 | - | - | 108.76 | 31.88 | 10.82 | 32.94 | 100 | 4 | P | V |
| | * | 5720 | 110.9 | - | - | 101.14 | 31.88 | 10.82 | 32.94 | 100 | 4 | A | V |
| | | 5875.75 | 52.23 | -15.97 | 68.2 | 41.81 | 32.35 | 10.98 | 32.91 | 100 | 4 | P | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT20 CH 144 5720MHz and a Remark section.



Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT40 CH 142 5710MHz | | 5429.56 | 49.6 | -24.4 | 74 | 40.37 | 31.52 | 10.65 | 32.94 | 100 | 6 | P | H |
| | | 5464.27 | 49.47 | -18.73 | 68.2 | 40.14 | 31.63 | 10.66 | 32.96 | 100 | 6 | P | H |
| | | 5451.4 | 40.96 | -13.04 | 54 | 31.65 | 31.6 | 10.66 | 32.95 | 100 | 6 | A | H |
| | * | 5710 | 103.98 | - | - | 94.27 | 31.84 | 10.81 | 32.94 | 100 | 6 | P | H |
| | * | 5710 | 95.66 | - | - | 85.95 | 31.84 | 10.81 | 32.94 | 100 | 6 | A | H |
| | | 5935 | 51.9 | -16.3 | 68.2 | 41.37 | 32.4 | 11.03 | 32.9 | 100 | 6 | P | H |
| | | 5457.64 | 50.83 | -23.17 | 74 | 41.51 | 31.62 | 10.66 | 32.96 | 100 | 10 | P | V |
| | | 5465.44 | 48.88 | -19.32 | 68.2 | 39.55 | 31.63 | 10.66 | 32.96 | 100 | 10 | P | V |
| | | 5458.03 | 42.25 | -11.75 | 54 | 32.93 | 31.62 | 10.66 | 32.96 | 100 | 10 | A | V |
| | * | 5710 | 114.72 | - | - | 105.01 | 31.84 | 10.81 | 32.94 | 100 | 10 | P | V |
| | * | 5710 | 106.48 | - | - | 96.77 | 31.84 | 10.81 | 32.94 | 100 | 10 | A | V |
| | | 5934.5 | 58.32 | -9.88 | 68.2 | 47.79 | 32.4 | 11.03 | 32.9 | 100 | 10 | P | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT40 CH 142 5710MHz and a Remark section.



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 138 5690MHz | | 5415.91 | 49.23 | -24.77 | 74 | 40.06 | 31.46 | 10.65 | 32.94 | 227 | 336 | P | H |
| | | 5468.17 | 49.97 | -18.23 | 68.2 | 40.63 | 31.64 | 10.66 | 32.96 | 227 | 336 | P | H |
| | | 5446.72 | 40.94 | -13.06 | 54 | 31.64 | 31.59 | 10.66 | 32.95 | 227 | 336 | A | H |
| | * | 5690 | 108.6 | - | - | 98.97 | 31.8 | 10.78 | 32.95 | 227 | 336 | P | H |
| | * | 5690 | 100.76 | - | - | 91.13 | 31.8 | 10.78 | 32.95 | 227 | 336 | A | H |
| | | 5860.9 | 55.93 | -12.27 | 68.2 | 45.57 | 32.32 | 10.96 | 32.92 | 227 | 336 | P | H |
| | | 5459.98 | 50.11 | -23.89 | 74 | 40.79 | 31.62 | 10.66 | 32.96 | 100 | 5 | P | V |
| | | 5459.98 | 50.11 | -23.89 | 74 | 40.79 | 31.62 | 10.66 | 32.96 | 100 | 5 | P | V |
| | | 5457.64 | 41.66 | -12.34 | 54 | 32.34 | 31.62 | 10.66 | 32.96 | 100 | 5 | A | V |
| | * | 5690 | 112.12 | - | - | 102.49 | 31.8 | 10.78 | 32.95 | 100 | 5 | P | V |
| | * | 5690 | 104.09 | - | - | 94.46 | 31.8 | 10.78 | 32.95 | 100 | 5 | A | V |
| | | 5854 | 61.73 | -6.47 | 68.2 | 51.38 | 32.31 | 10.96 | 32.92 | 100 | 5 | P | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT80 CH 138 5690MHz and a Remark section.



Emission above 18GHz

5GHz WIFI 802.11ac VHT80 (SHF)

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|----------------------------------|--|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 1+2 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 5GHz 802.11ac VHT80 SHF | | 39934 | 44.78 | -29.22 | 74 | 58.05 | 43.27 | -0.76 | 55.78 | 150 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
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| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | 39912 | 45.5 | -28.5 | 74 | 58.83 | 43.26 | -0.78 | 55.81 | 150 | 0 | P |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
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| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against limit line. | | | | | | | | | | | | |



**Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)**

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|---|--|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|---|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | | |
| 1+2 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| 5GHz 802.11ac VHT80 LF | | 54.25 | 24.93 | -15.07 | 40 | 43.98 | 12.35 | 1.15 | 32.55 | 100 | 0 | P | H | |
| | | 155.13 | 26.06 | -17.44 | 43.5 | 39.99 | 16.67 | 1.92 | 32.52 | - | - | P | H | |
| | | 192.96 | 25.6 | -17.9 | 43.5 | 41.34 | 14.65 | 2.15 | 32.54 | - | - | P | H | |
| | | 769.14 | 28.63 | -17.37 | 46 | 28.19 | 28.12 | 4.16 | 31.84 | - | - | P | H | |
| | | 861.29 | 30.7 | -15.3 | 46 | 28.33 | 29.29 | 4.43 | 31.35 | - | - | P | H | |
| | | 949.56 | 30.71 | -15.29 | 46 | 26.24 | 30.65 | 4.7 | 30.88 | - | - | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 39.7 | 33.88 | -6.12 | 40 | 46.02 | 19.38 | 0.98 | 32.5 | 100 | 0 | P | V |
| | | | 54.25 | 33.87 | -6.13 | 40 | 52.92 | 12.35 | 1.15 | 32.55 | - | - | P | V |
| | | | 106.63 | 29.21 | -14.29 | 43.5 | 43.7 | 16.44 | 1.57 | 32.5 | - | - | P | V |
| | | | 881.66 | 31.11 | -14.89 | 46 | 28.7 | 29.18 | 4.5 | 31.27 | - | - | P | V |
| | | | 936.95 | 30.04 | -15.96 | 46 | 26.43 | 29.91 | 4.66 | 30.96 | - | - | P | V |
| | | | 949.56 | 30.98 | -15.02 | 46 | 26.51 | 30.65 | 4.7 | 30.88 | - | - | P | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against limit line. | | | | | | | | | | | | | |



Note symbol

| | |
|-----|--|
| * | Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| ! | Test result is over limit line. |
| P/A | Peak or Average |
| H/V | Horizontal or Vertical |



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

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 1+2 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11b | | 2390 | 55.45 | -18.55 | 74 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | P | H |
| CH 01 | | | | | | | | | | | | | |
| 2412MHz | | 2390 | 43.54 | -10.46 | 54 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | A | H |

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission Plots

| | | | |
|-----------------|---|---------------------|-------------|
| Test Engineer : | Harvey Guo, Bill Chang , Fu Chen, and Troye Hsieh | Temperature : | 18.3~25.7°C |
| | | Relative Humidity : | 58.2~70.8% |

Remark: For Radiated Spurious Emission Plots Test Items, Ant. 1 means Aux. Antenna and Ant. 2 means Main Antenna.

Note symbol

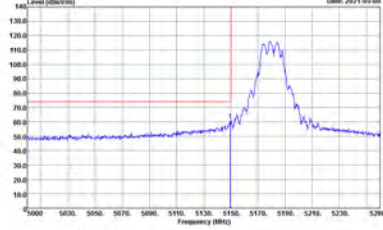
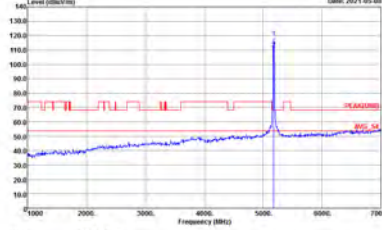
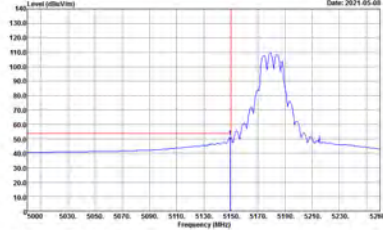
| | |
|----|-----------------------|
| -L | Low channel location |
| -R | High channel location |



Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH36 5180MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH36 5180MHz | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-4F_1326 VERTICAL</p> |  <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH44 5220MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-4Y Condition : PEAK(FUND) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

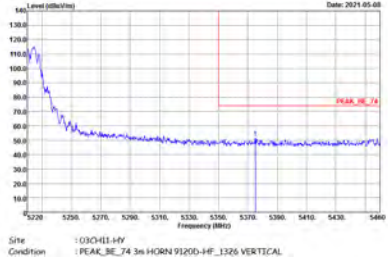
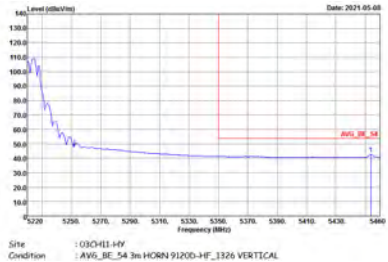


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11a CH44 5220MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : 1 PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |
| Avg. | <p>Site : 03CH11-HY Condition : 1 AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL Detector : Peak Project : 131119-01 Settings : 1 D5</p> | Left blank |

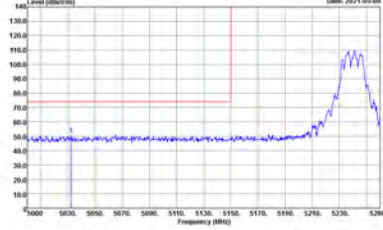
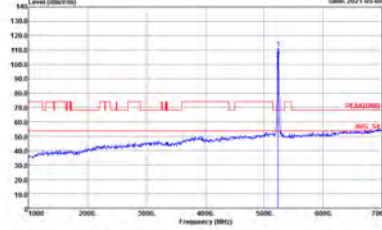
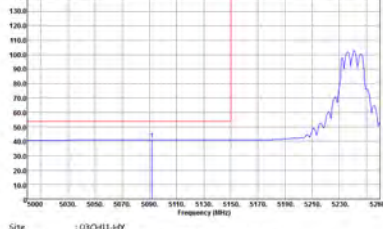


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH44 5220MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-44Y Condition : PEAK_BE_74 3m HORN 91200-4F_1326 VERTICAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-44Y Condition : AVG_BE_54 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11a CH44 5220MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  | Left blank |
| Avg. |  | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH48 5240MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-44Y Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-44Y Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11a CH48 5240MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



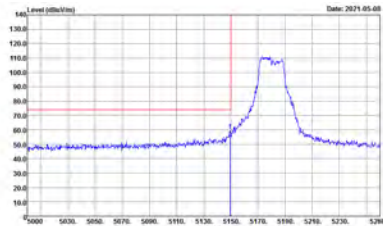
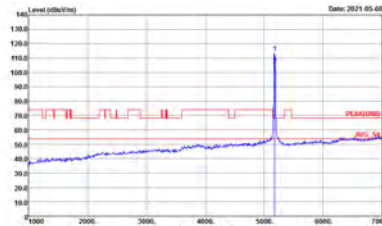
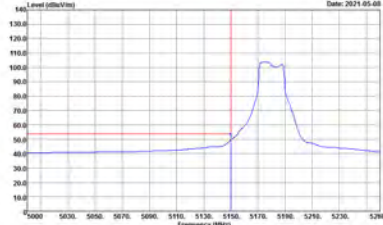
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH48 5240MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-4F_1326 VERTICAL</p> | <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11a CH48 5240MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT20 CH36 5180MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH36 5180MHz | |
| 1+2 | Vertical | Fundamental |
| Peak | | |
| Avg. | | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT20 CH44 5220MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH44 5220MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |

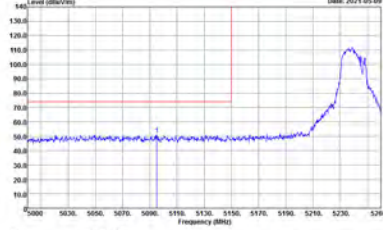
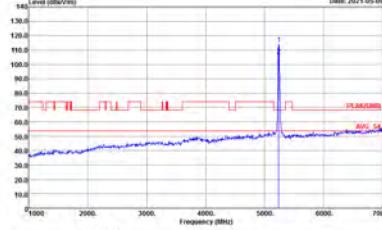
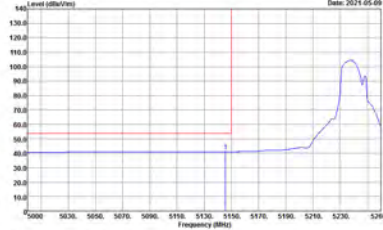


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH44 5220MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | | |
| Avg. | | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH44 5220MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT20 CH48 5240MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-4F_1326 HORIZONTAL</p> |  <p>Site : 03CH11-4Y Condition : PEAK(LIN1) 3m HORN 91200-4F_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-4F_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH48 5240MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT20 CH48 5240MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-4HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> | <p>Site : 03CH11-4HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-4HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH48 5240MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



**Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| | | |
|-------------|---|--------------------|
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH38 5190MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | | |
| Avg. | | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT40 CH38 5190MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |

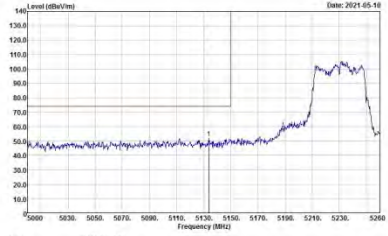
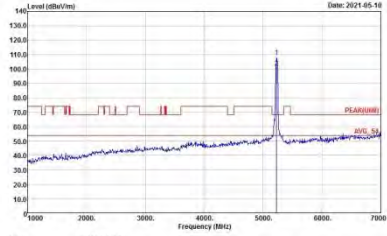
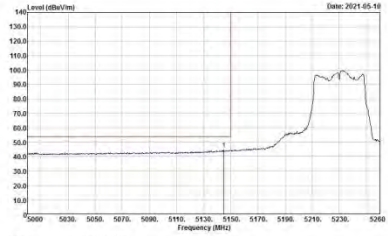


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT40 CH38 5190MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL</p> | <p>Site : 03CH11-HY Condition : PEAK(FUNDET) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |

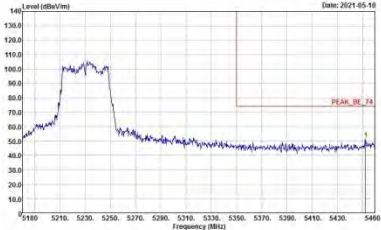
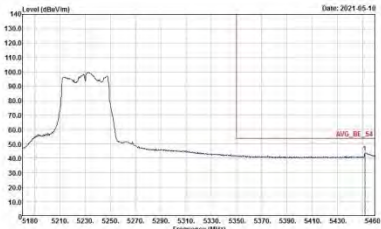


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11ac VHT40 CH38 5190MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site: 03CH11-4Y Condition: PEAK_BE_74 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |
| Avg. | <p>Site: 03CH11-4Y Condition: AVG_BE_54 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT40 CH46 5230MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

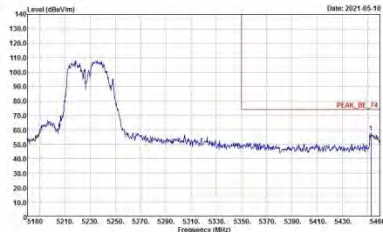
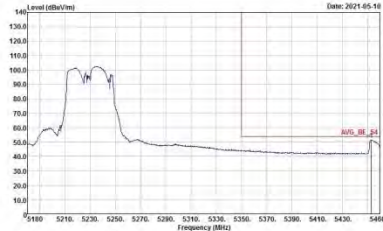


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11ac VHT40 CH46 5230MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT40 CH46 5230MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> | <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11ac VHT40 CH46 5230MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site: 03CH11-HY Condition: PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |
| Avg. |  <p>Site: 03CH11-HY Condition: AVG_BE_84 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



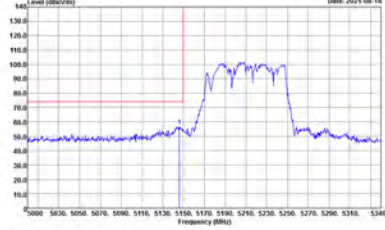
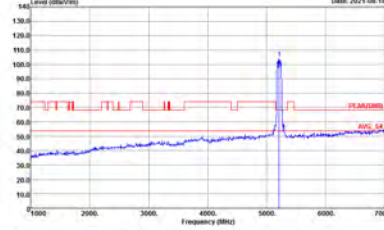
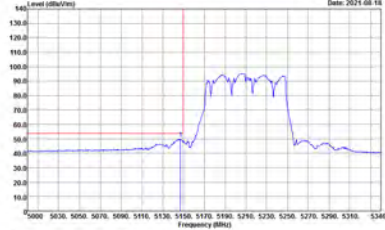
**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| | | |
|-------------|---|---|
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH42 5210MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site: 03CH11-FY Condition: PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site: 03CH11-FY Condition: PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site: 03CH11-FY Condition: AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT80 CH42 5210MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| | | |
|------|--|--|
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH42 5210MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(FUNDET) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



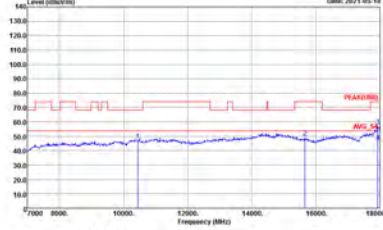
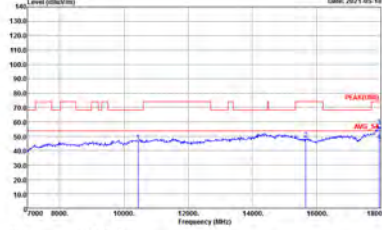
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT80 CH42 5210MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



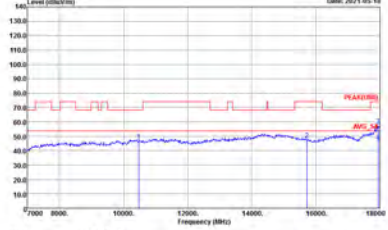
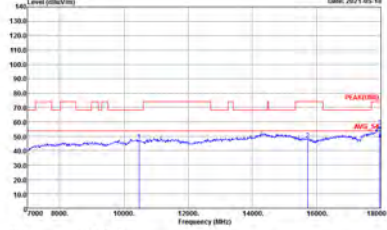
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

| | | |
|----------------------------|---|---|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11a CH36 5180MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|---|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11a CH44 5220MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|---|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11a CH48 5240MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91R00-HF_1326 HORIZONTAL</p> |  <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91R00-HF_1326 VERTICAL</p> |



Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH36 5180MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_132% VERTICAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_132% VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH44 5220MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|---|---|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH48 5240MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-1FY Condition : 1PEAK(UNIT) 3m HORN 9120G-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-1FY Condition : 1PEAK(UNIT) 3m HORN 9120G-HF_1326 VERTICAL</p> |



Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| | | |
|--------------|---|---|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH38 5190MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-HY Condition : PEAK[LINE] 3m HORN 91200-HF_1326 VERTICAL</p> | <p>Site : 03CH11-HY Condition : PEAK[LINE] 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH46 5230MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_132% VERTICAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_132% VERTICAL</p> |

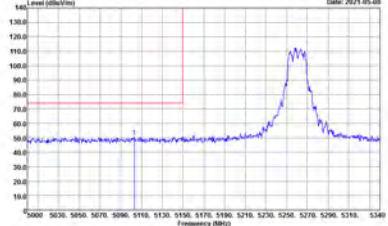
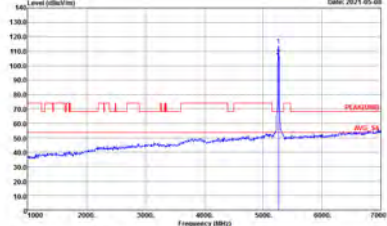
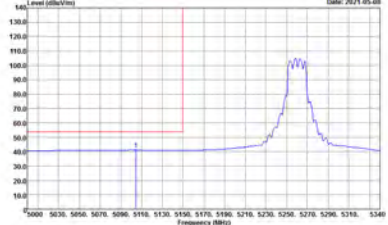


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| | | |
|----------------------|--|--|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT80 CH42 5210MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-14Y Condition : PEAK(AVG) 3m HORN 91200-4F_1326 HORIZONTAL</p> | <p>Site : 03CH11-14Y Condition : PEAK(AVG) 3m HORN 91200-4F_1326 VERTICAL</p> |



Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH52 5260MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVS_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11a CH52 5260MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH52 5260MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-4F_1326 VERTICAL</p> | <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11a CH52 5260MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |

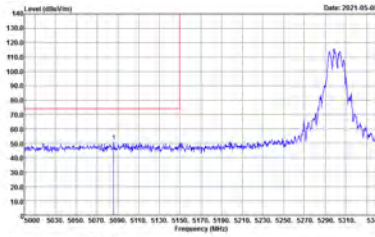
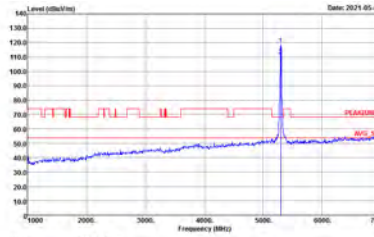
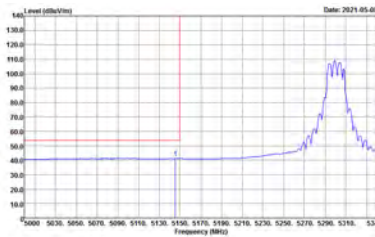


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH60 5300MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : 1 PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-4Y Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-4Y Condition : 1 AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11a CH60 5300MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH60 5300MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11a CH60 5300MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



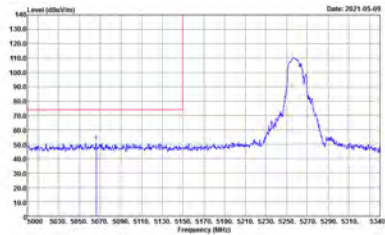
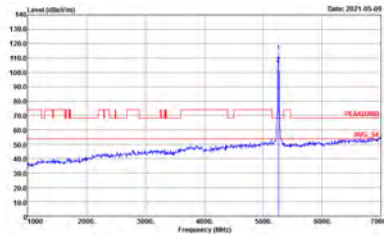
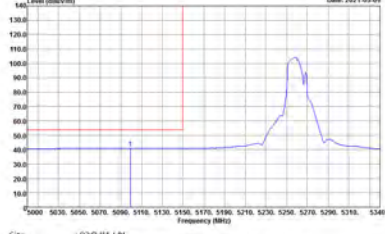
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH64 5320MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : 1 PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : 1 AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH64 5320MHz | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-4F_1326 VERTICAL</p> | <p>Site : 03CH11-4Y Condition : PEAK(FUND) 3m HORN 91200-4F_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



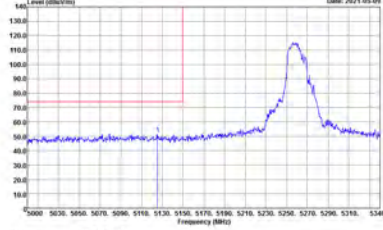
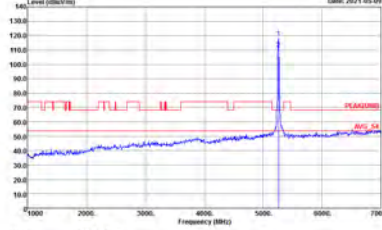
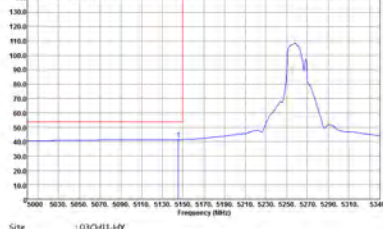
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| | | |
|------|---|---|
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT20 CH52 5260MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAKUNT1 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH52 5260MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT20 CH52 5260MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH52 5260MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |

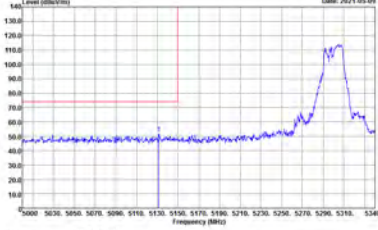
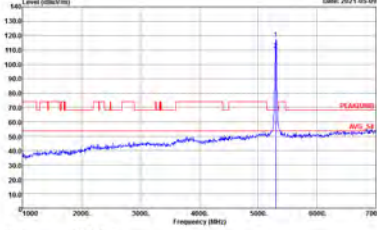
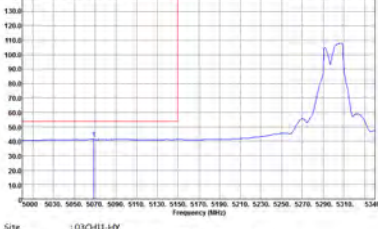


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT20 CH60 5300MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT20 CH60 5300MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT20 CH60 5300MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11ac VHT20 CH60 5300MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : 1 PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |
| Avg. | <p>Site : 03CH11-HY Condition : 1 AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT20 CH64 5320MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : 1 PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : 1 AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



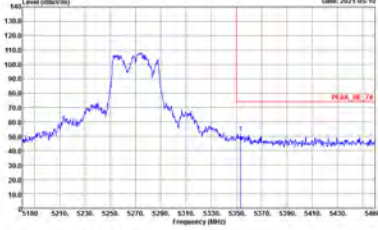
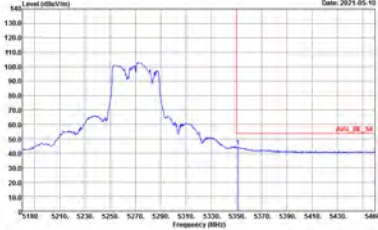
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT20 CH64 5320MHz | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> | <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

Table with 2 columns (Horizontal, Fundamental) and 2 rows (Peak, Avg.). Contains spectral plots and labels like 'Left blank'.



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11ac VHT40 CH54 5270 - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 030411-HY Condition : 1 PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |
| Avg. |  <p>Site : 030411-HY Condition : 1 AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

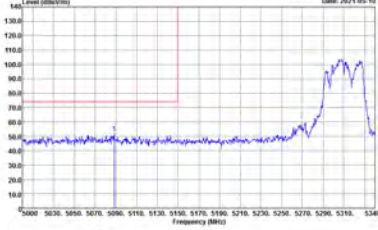
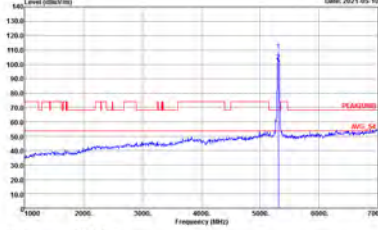
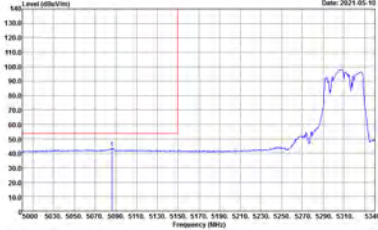


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT40 CH54 5270 - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : PEAK_BE_74 3m HORN 91200-4F_1326 VERTICAL</p> | <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-4Y Condition : AVG_BE_54 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT40 CH54 5270 - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |

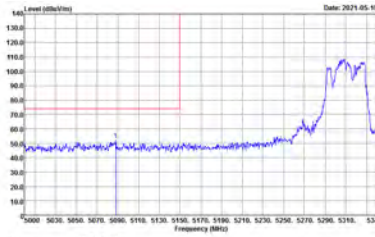
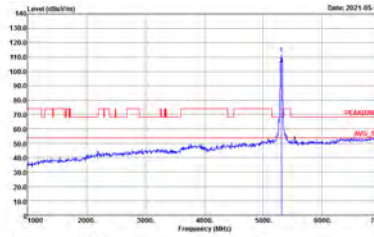
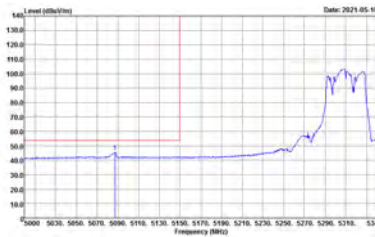


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT40 CH62 5310 - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT40 CH62 5310 - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT40 CH62 5310 - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT40 CH62 5310 - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| | | |
|-------------|---|--------------------|
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH58 5290MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | | |
| Avg. | | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT80 CH58 5290MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT80 CH58 5290MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL</p> | <p>Site : 03CH11-HY Condition : PEAK(FUNDET) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m | |
|------|------------------------------------|-------------|
| ANT | 802.11ac VHT80 CH58 5290MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | | Left blank |
| Avg. | | Left blank |



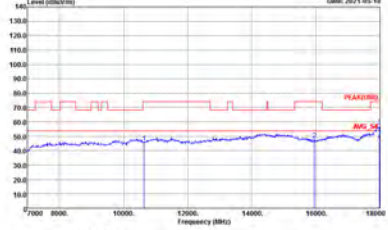
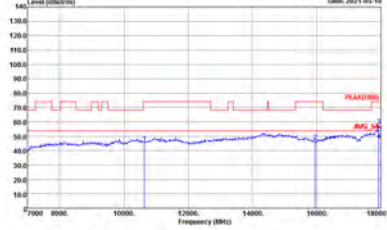
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

| | | |
|----------------------------|---|---|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11a CH52 5260MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11a CH60 5300MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-1FY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-1FY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|---|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11a CH64 5320MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91R00-HF_1326 HORIZONTAL</p> |  <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91R00-HF_1326 VERTICAL</p> |



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH52 5260MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH60 5300MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH64 5320MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91R00-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91R00-HF_1326 VERTICAL</p> |



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| | | |
|--------------|---|---|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH54 5270 | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH62 5310 | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

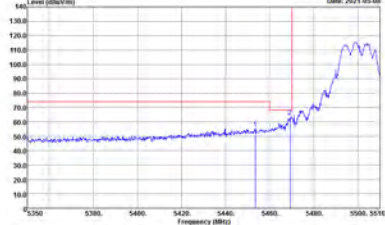
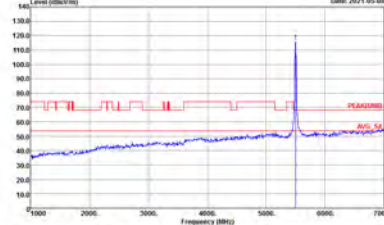
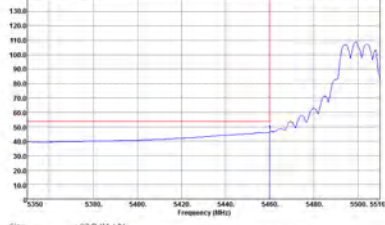
| | | |
|--------------|--|--|
| WIFI | Band 2 5250~5350MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT80 CH58 5290MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



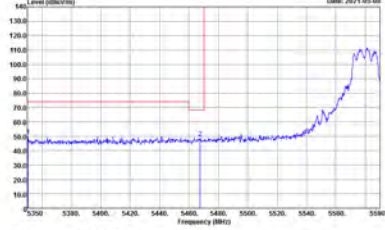
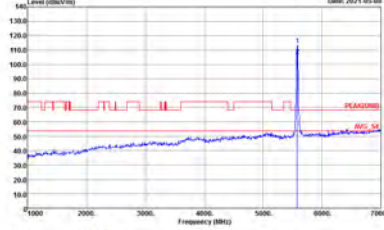
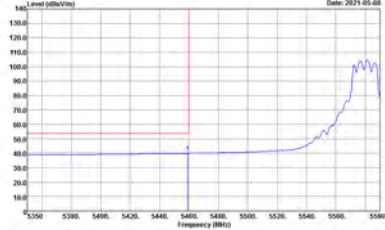
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|-------------|---|--|
| ANT | 802.11a CH100 5500MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE(LINE1)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE(LINE1)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

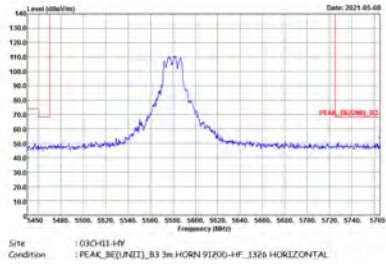


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH100 5500MHz | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |

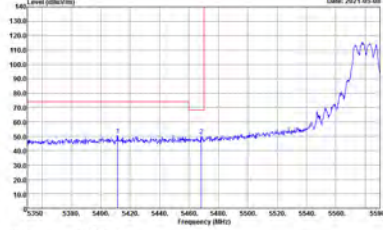
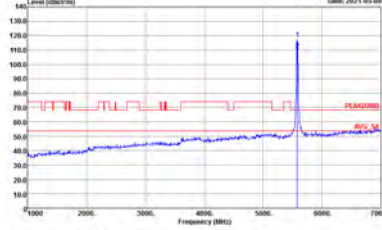
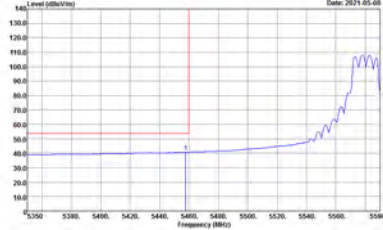


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH116 5580MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(UNIT)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

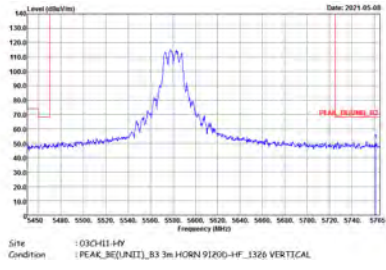


| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11a CH116 5580MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  | Left blank |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH116 5580MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(UNIT)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11a CH116 5580MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  | Left blank |



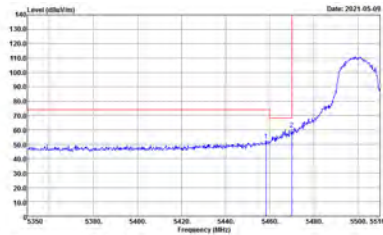
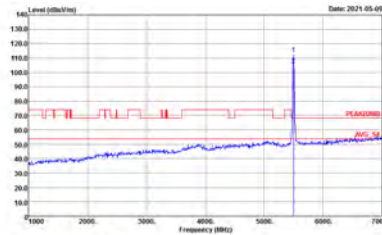
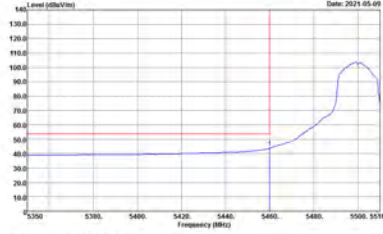
| | | |
|------|--|---|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11a CH140 5700MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : 1 PEAK_BE([UNIT]),_B3 3m HORN 91R00-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : 1 PEAK([UNIT]) 3m HORN 91R00-HF_1326 HORIZONTAL</p> |



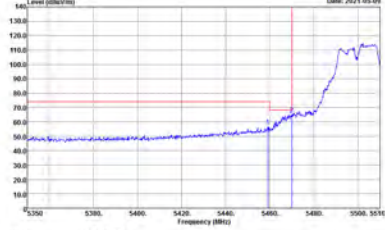
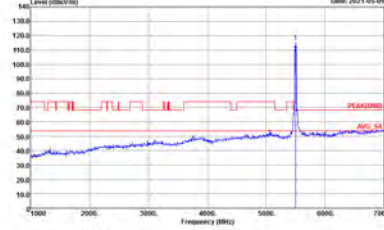
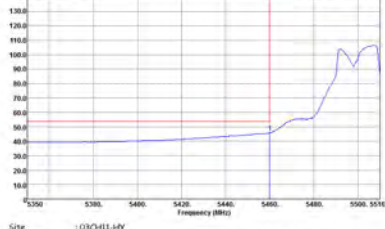
| | | |
|------|---|---|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11a CH140 5700MHz | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-4Y Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-4F_1326 VERTICAL</p> | <p>Site : 03CH11-4Y Condition : 1 PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |



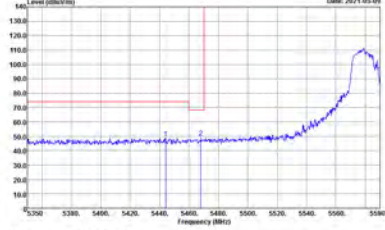
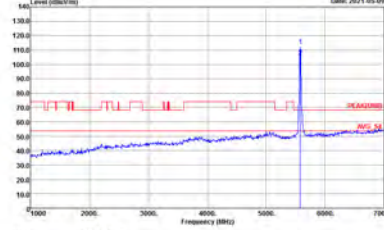
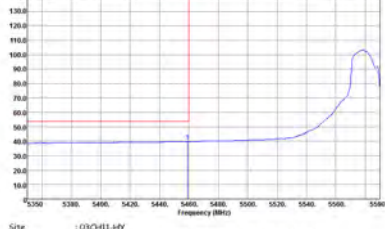
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac VHT20 CH100 5500MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE[UNIT],B3 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAK[UNIT],B3 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE[UNIT],B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

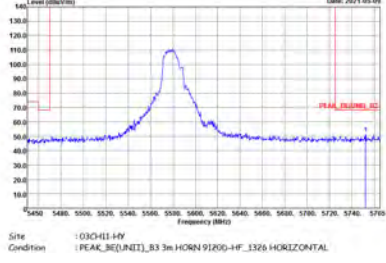


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT20 CH100 5500MHz | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |

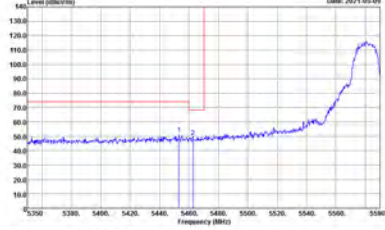
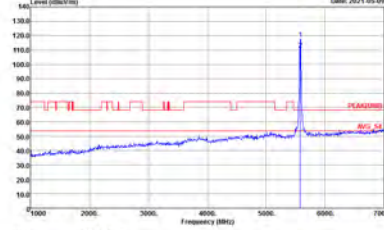
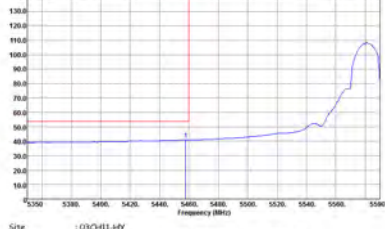


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac VHT20 CH116 5580MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(LINE1)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(LINE1)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

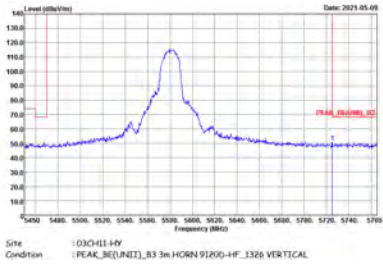


| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT20 CH116 5580MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  | Left blank |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT20 CH116 5580MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |

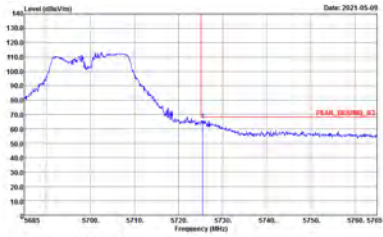
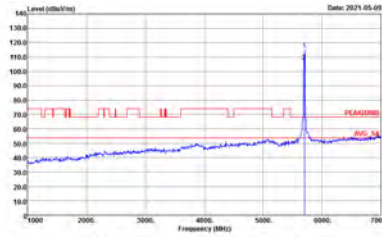


| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT20 CH116 5580MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  | Left blank |



| | | |
|------|---|---|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT20 CH140 5700MHz | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |



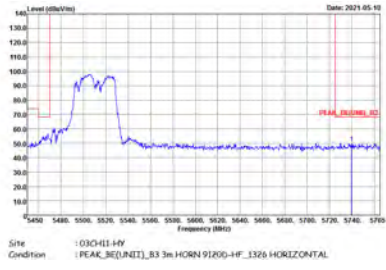
| | | |
|------|---|--|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT20 CH140 5700MHz | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| | | |
|-------------|--|--|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH102 5510MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : PEAK_BE[UNIT],B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : PEAK[UNIT] 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : AVG_BE[UNIT],B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

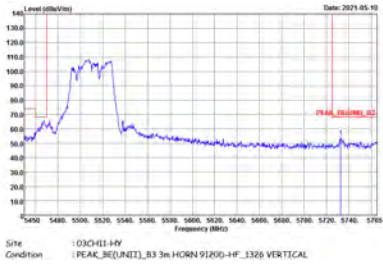


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11ac VHT40 CH102 5510MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  | Left blank |

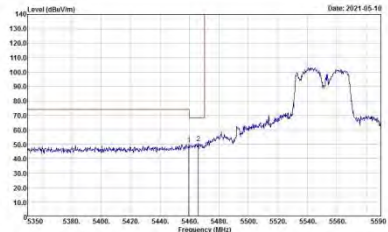
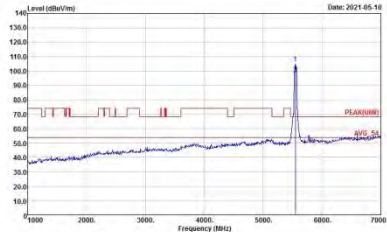
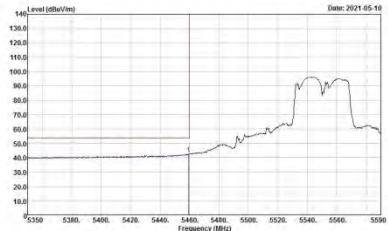


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT40 CH102 5510MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> | <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : 1 AVG_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |

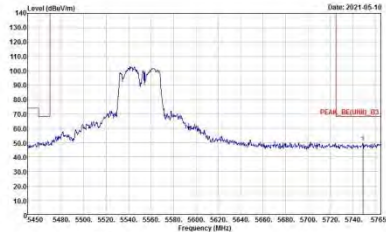


| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH102 5510MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  | Left blank |

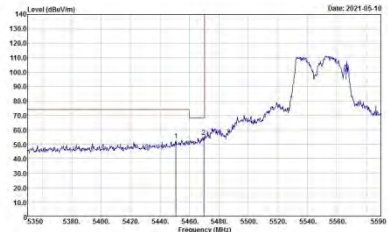
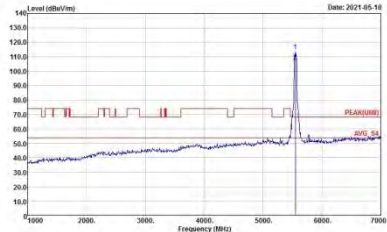
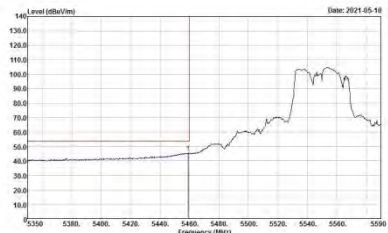


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT40 CH110 5550MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> | Left blank |



| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH110 5550MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site: 03CH11-HY Condition: PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

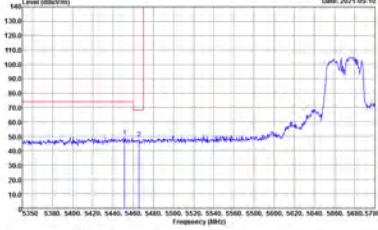
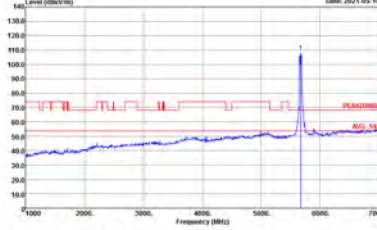
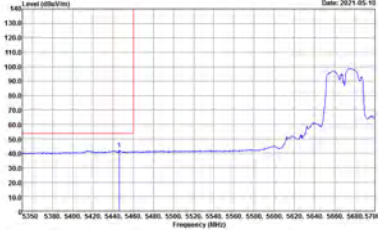


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT40 CH110 5550MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |

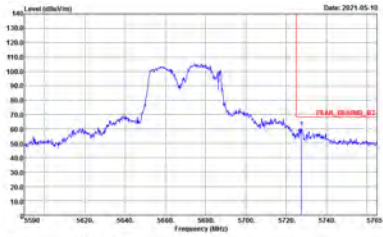


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11ac VHT40 CH110 5550MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site: 03CH11-HY Condition: PEAK_BE(UNIT)_B3 3m HORN 91200-HF_1326 VERTICAL</p> | Left blank |

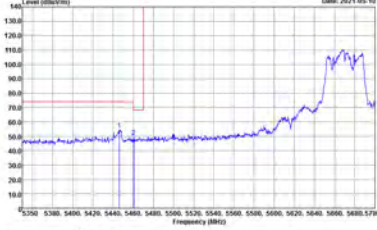
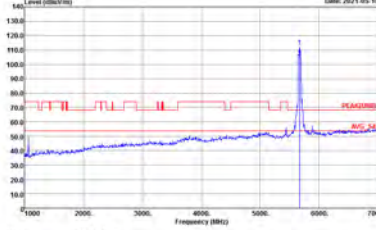
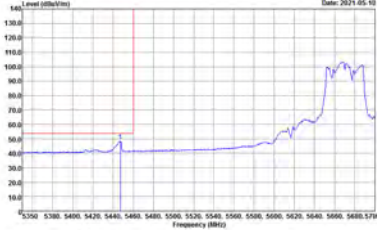


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ac VHT40 CH134 5670MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(UNIT)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(UNIT)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> | Left blank |

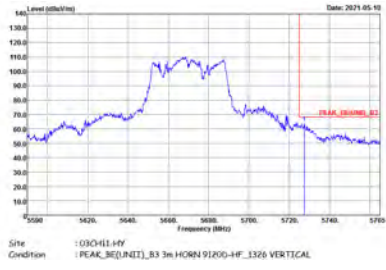


| | | |
|-------------|---|--------------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH134 5670MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 030411-HY Condition : 1 PEAK_BE([INT]),_B3 3m HORN 91200-HF_1376 HORIZONTAL</p> | Left blank |



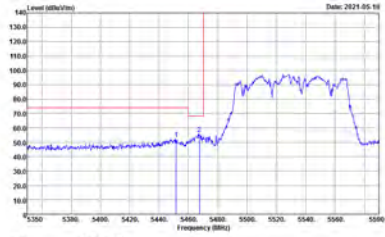
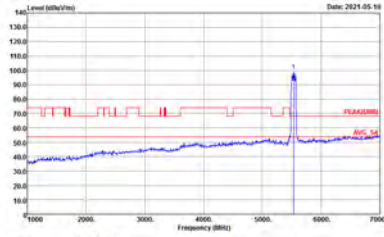
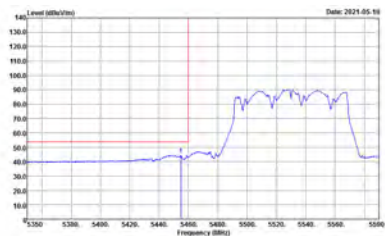
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac VHT40 CH134 5670MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1:PEAK_BE(LINE1)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : 1:PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1:AVG_BE(LINE1)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



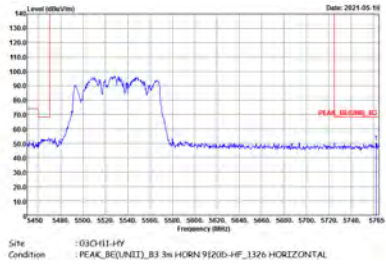
| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH134 5670MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  | Left blank |



**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT80 CH106 5530MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-1F Condition : PEAK_BE(LINE1)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-1F Condition : PEAK(LINE1) 3m HORN 9120D-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-1F Condition : AVG_BE(LINE1)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> | Left blank |



| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH106 5530MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  | Left blank |

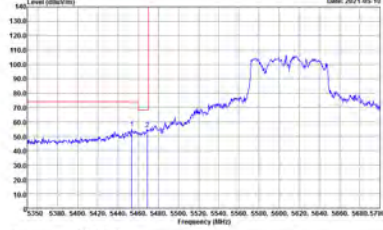
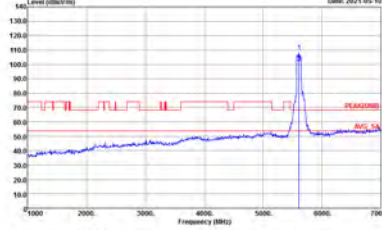
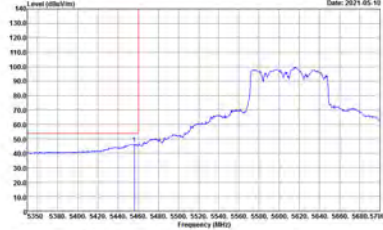


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac VHT80 CH106 5530MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-1FY Condition : PEAK_BE(LINE1)_B3 3m HORN 9120D-4F_1326 VERTICAL</p> | <p>Site : 03CH11-1FY Condition : PEAK(LINE1) 3m HORN 9120D-4F_1326 VERTICAL</p> |
| Avg. | <p>Site : 03CH11-1FY Condition : AVG_BE(LINE1)_B3 3m HORN 9120D-4F_1326 VERTICAL</p> | Left blank |

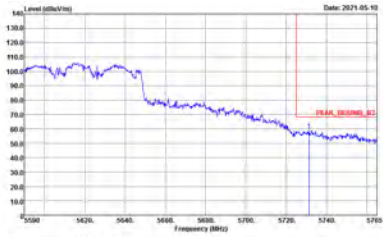


| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH106 5530MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 03CH11-09 Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |

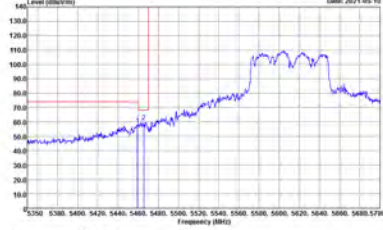
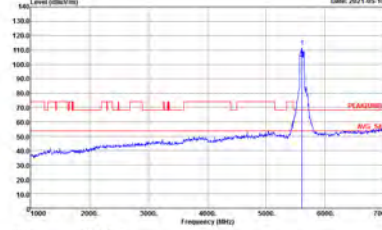
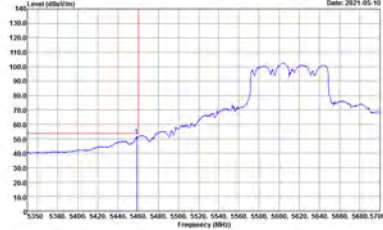


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac VHT80 CH122 5610MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1 PEAK_BE(LINE1)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : 1 PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1 AVG_BE(LINE1)_B3 3m HORN 9120D-HF_1326 HORIZONTAL</p> | Left blank |



| | | |
|------|---|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH122 5610MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 030411-HY Condition : 1 PEAK_BE([INT]), B3 3m HORN 91200-HF_1376 HORIZONTAL</p> | Left blank |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac VHT80 CH122 5610MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : 1:PEAK_BE(LINE1)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : 1:PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : 1:AVG_BE(LINE1)_B3 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



| | | |
|------|--|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH122 5610MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 030411-HY Condition : 1 PEAK_BE(LINE1)_B3 3m HORN 91200-4F_1326 VERTICAL</p> | Left blank |



Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

| | | |
|----------------------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11a CH100 5500MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11a CH116 5580MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11a CH140 5700MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| | | |
|----------------------|---|---|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH100 5500MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH116 5580MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH140 5700MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH102 5510MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 HORIZONTAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |



| | | |
|--------------|---|---|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH110 5550MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-FY Condition : 1 PEAK(UNIT) 3m HORN 9120G-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-FY Condition : 1 PEAK(UNIT) 3m HORN 9120G-HF_1326 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH134 5670MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| | | |
|----------------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT80 CH106 5530MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-1FV Condition : PEAK(AVG) 3m HORN 91200-4F_1326 HORIZONTAL</p> | <p>Site : 03CH11-1FV Condition : PEAK(AVG) 3m HORN 91200-4F_1326 VERTICAL</p> |



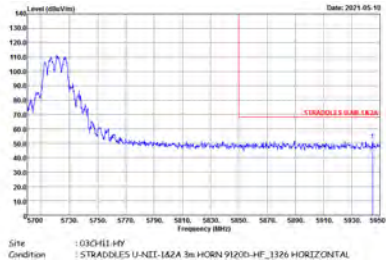
| | | |
|--------------|--|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT80 CH122 5610MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CHI-HY Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



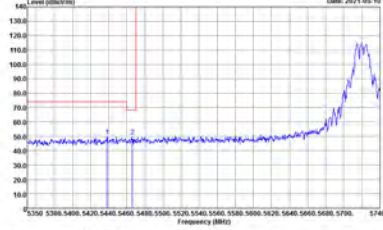
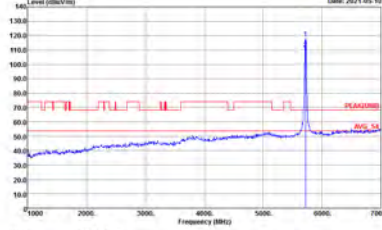
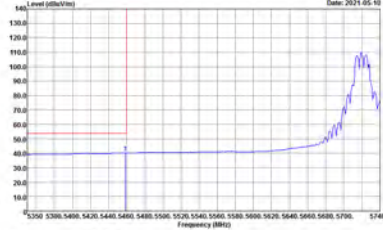
Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11a CH144 5720MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : STRADDLES U-NIT-1A2A 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : U-NIT-1A2A AVERAGE 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

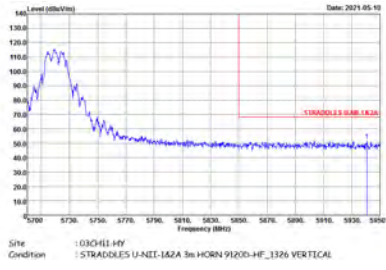


| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11a CH144 5720MHz – R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  | Left blank |



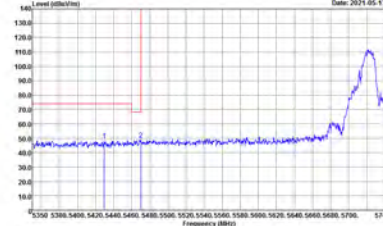
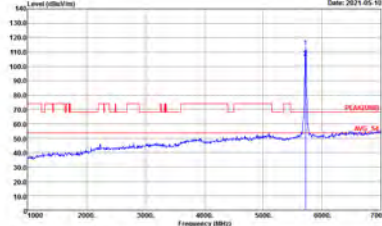
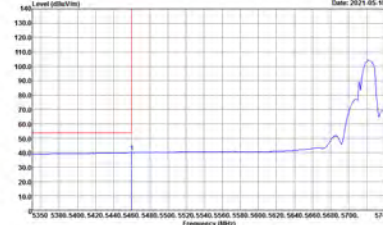
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11a CH144 5720MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-4Y Condition : STRADDLES U-NIT-1A2A 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-4Y Condition : U-NIT-1A2A AVERAGE 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



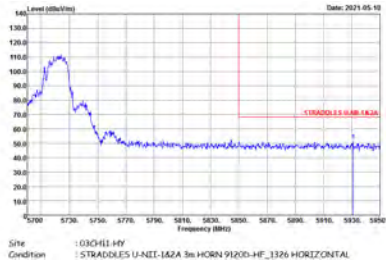
| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11a CH144 5720MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  | Left blank |



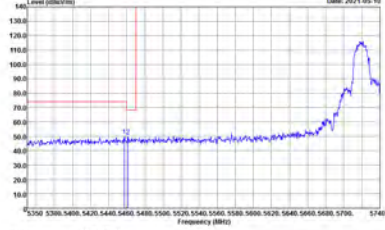
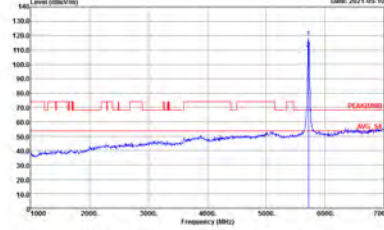
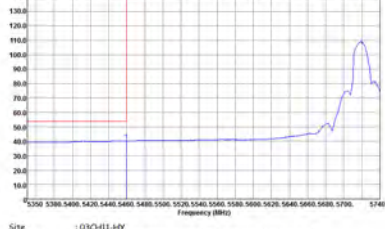
Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11ac VHT20 CH144 5720MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : STRADDLES U-NIT-1A2A 3m HORN 91200-HF_1326 HORIZONTAL</p> |  <p>Site : 03CH11-HY Condition : PEAKUNIT 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : U-NIT-1A2A AVERAGE 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

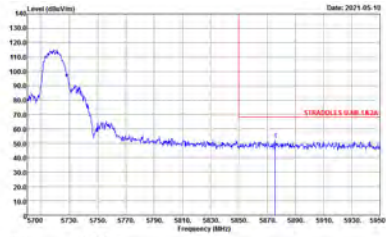


| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11ac VHT20 CH144 5720MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  | Left blank |



| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac VHT20 CH144 5720MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : STRADDLES U-NIT-1A2A 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : U-NIT-1A2A AVERAGE 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



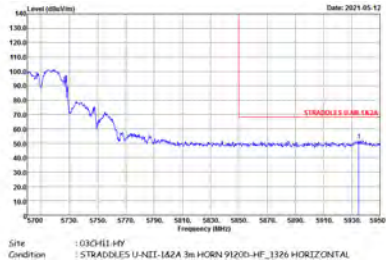
| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11ac VHT20 CH144 5720MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 030411 HY Condition : STRADDLES U-NET-1A2A 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



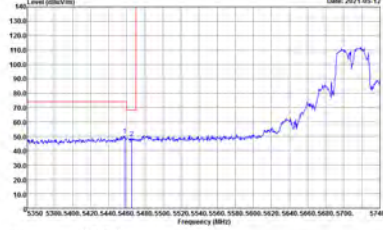
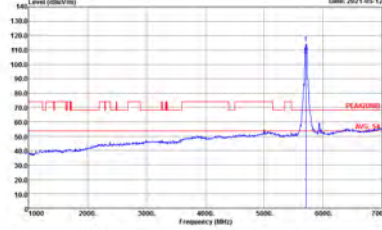
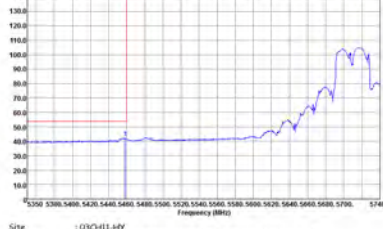
**Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|-------------|---|---|
| ANT | 802.11ac VHT40 CH142 5710MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : STRADDLES U-NIT-1A2A 3m HORN 9120D-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : U-NIT-1A2A AVERAGE 3m HORN 9120D-HF_1326 HORIZONTAL</p> | <p>Left blank</p> |



| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH142 5710MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  | Left blank |



| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac VHT40 CH142 5710MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-4Y Condition : STRADDLES U-NIT-1A2A 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-4Y Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-4Y Condition : U-NIT-1A2A AVERAGE 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



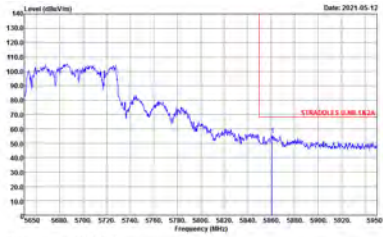
| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11ac VHT40 CH142 5710MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak | <p>Site : 030411.MY Condition : STRADDLES U-NET-1A2A 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



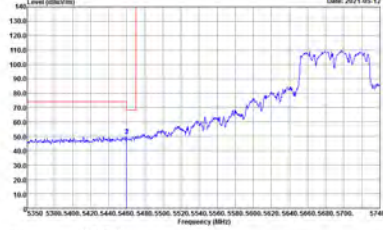
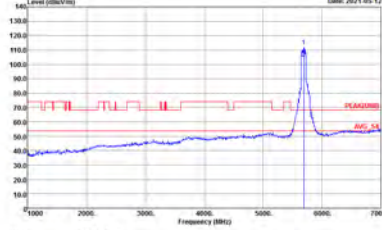
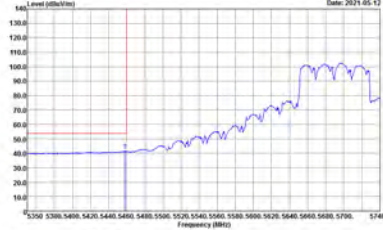
**Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ac CH138 5690MHz - L | |
| 1+2 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH11-HY Condition : STRADDLES U-NIT-1A2A 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : PEAKUNIT 3m HORN 91200-HF_1326 HORIZONTAL</p> |
| Avg. | <p>Site : 03CH11-HY Condition : U-NIT-1A2A AVERAGE 3m HORN 91200-HF_1326 HORIZONTAL</p> | Left blank |

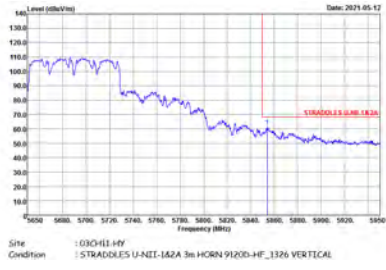


| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11ac CH138 5690MHz - R | |
| 1+2 | Horizontal | Fundamental |
| Peak |  <p>Site : 030H11-MY Condition : STRADDLES U-NET-1A2A 3m HORN 9120D-HF_1326 HORIZONTAL</p> | Left blank |



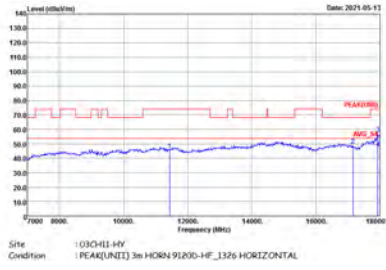
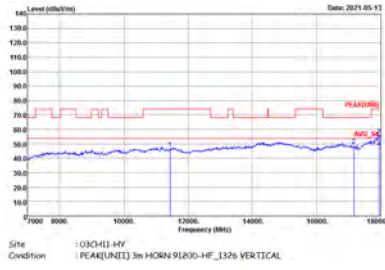
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11ac CH138 5690MHz - L | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH11-HY Condition : STRADDLES U-NIT-1A2A 3m HORN 9120D-HF_1326 VERTICAL</p> |  <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p> |
| Avg. |  <p>Site : 03CH11-HY Condition : U-NIT-1A2A AVERAGE 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



| | | |
|------|---|-------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11ac CH138 5690MHz - R | |
| 1+2 | Vertical | Fundamental |
| Peak |  <p>Site : 030H11-HY Condition : STRADDLES U-NET-1A2A 3m HORN 9120D-HF_1326 VERTICAL</p> | Left blank |



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

| | | |
|--------------|---|--|
| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
| ANT | 802.11a CH144 5720MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. |  |  |



Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
| ANT | 802.11ac VHT20 CH144 5720MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-44Y Condition : 1 PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
| ANT | 802.11ac VHT40 CH142 5710MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 HORIZONTAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-4F_1326 VERTICAL</p> |



Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
| ANT | 802.11ac VHT80 CH138 5690MHz | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL</p> | <p>Site : 03CH11-44Y Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 VERTICAL</p> |



Emission above 18GHz
5GHz WIFI 802.11ac VHT80 (SHF)

| WIFI | 5GHz WIFI | |
|--------------|---|---|
| ANT | 802.11ac VHT80 SHF | |
| 1+2 | Horizontal | Vertical |
| Peak Avg. | <p>Site: (042)E11-149 Condition: -PEAK(LINE) in SHF ANT_9170_00993 HORIZONTAL</p> | <p>Site: (042)E11-149 Condition: -PEAK(LINE) in SHF ANT_9170_00993 VERTICAL</p> |



Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

| | | |
|--------------|--|--|
| WIFI | 5GHz WIFI | |
| ANT | 802.11ac VHT80 LF | |
| 1+2 | Horizontal | Vertical |
| QP / Peak | <p>Site : 03CH11-HY Condition : QP 3m BE-L06 6111D-LF_ETC HORIZONTAL</p> | <p>Site : 03CH11-HY Condition : QP 3m BE-L06 6111D-LF_ETC VERTICAL</p> |



Appendix E. Duty Cycle Plots

| Antenna | Band | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|---------|---------------------|---------------|-------|----------|-------------|-----------------|
| 1+2 | 802.11a | 98.33 | - | - | 10Hz | 0.07 |
| 1+2 | 5GHz 802.11ac VHT20 | 98.17 | - | - | 10Hz | 0.08 |
| 1+2 | 5GHz 802.11ac VHT40 | 96.36 | 954 | 1.05 | 3kHz | 0.16 |
| 1+2 | 5GHz 802.11ac VHT80 | 92.80 | 464 | 2.16 | 3kHz | 0.32 |

MIMO <Ant. 1+2>

