



FCC RADIO TEST REPORT

FCC ID : U8G-P1835

Equipment : PEPWAVE / peplink Wireless Product

Brand Name : PEPWAVE / peplink

Model Name : UBR Go
UBR Rugged
UBR Go LTEA
UBR Rugged LTEA
UBR-GO-LTEA-R-T-PRM
UBR-GO-LTEA-US-T-PRM
UBR-RUG-LTEA-US-T-PRM
UBR-RUG-LTEA-R-T-PRM
Pepwave UBR Go LTEA
Pepwave UBR Rugged LTEA
MAX Transit
MAX Transit LTEA
MAX Transit Pro E

Applicant : PISMO LABS TECHNOLOGY LIMITED
A8, 5/F, HK Spinners Industrial Building, Phase 6, 481
Castle Peak Road, Cheung Sha Wan, Hong Kong

Manufacturer : PISMO LABS TECHNOLOGY LIMITED
A8, 5/F, HK Spinners Industrial Building, Phase 6, 481
Castle Peak Road, Cheung Sha Wan, Hong Kong

Standard : FCC Part 15 Subpart E §15.407



The product was received on Jan. 14, 2021 and testing was started from Mar. 31, 2021 and completed on Aug. 27, 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.)



Table of Contents

History of this test report.....	4
Summary of Test Result.....	5
1 General Description	6
1.1 Product Feature of Equipment Under Test.....	6
1.2 Modification of EUT	6
1.3 Testing Location	7
1.4 Applicable Standards.....	7
2 Test Configuration of Equipment Under Test	8
2.1 Carrier Frequency and Channel	8
2.2 Test Mode.....	10
2.3 Connection Diagram of Test System.....	11
2.4 Support Unit used in test configuration and system	11
2.5 EUT Operation Test Setup	12
2.6 Measurement Results Explanation Example.....	12
3 Test Result	13
3.1 26dB & 99% Occupied Bandwidth Measurement	13
3.2 Maximum Conducted Output Power Measurement	15
3.3 Power Spectral Density Measurement	17
3.4 Unwanted Emissions Measurement.....	20
3.5 AC Conducted Emission Measurement.....	25
3.6 Antenna Requirements.....	27
4 List of Measuring Equipment.....	28
5 Uncertainty of Evaluation	29
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issued Date
FR111402B	01	Initial issue of report	Oct. 14, 2021

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 0.73 dB at 120.210 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 14.96 dB at 0.152 MHz
3.6	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: Lewis Ho

Report Producer: Celery Wei

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Sample 1	UBR go
Sample 2	UBR rugged
Antenna Type	WLAN: Omni-directional Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<Ant. 0>: 4.10 <Ant. 1>: 4.10
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	<Ant. 0>: 4.41 <Ant. 1>: 4.41
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	<Ant. 0>: 4.41 <Ant. 1>: 4.41

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

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. 03CH16-HY (TAF Code: 3786)
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory

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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in two antenna polarization (Horizontal and Vertical), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Ant. Vertical as worst plane.
- 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 "[#]" 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 + LAN 1 Link + WAN Link + Adapter (Y001-1310) (USB-C Port 1) + LAN 2/3 (Load) for Sample 1

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

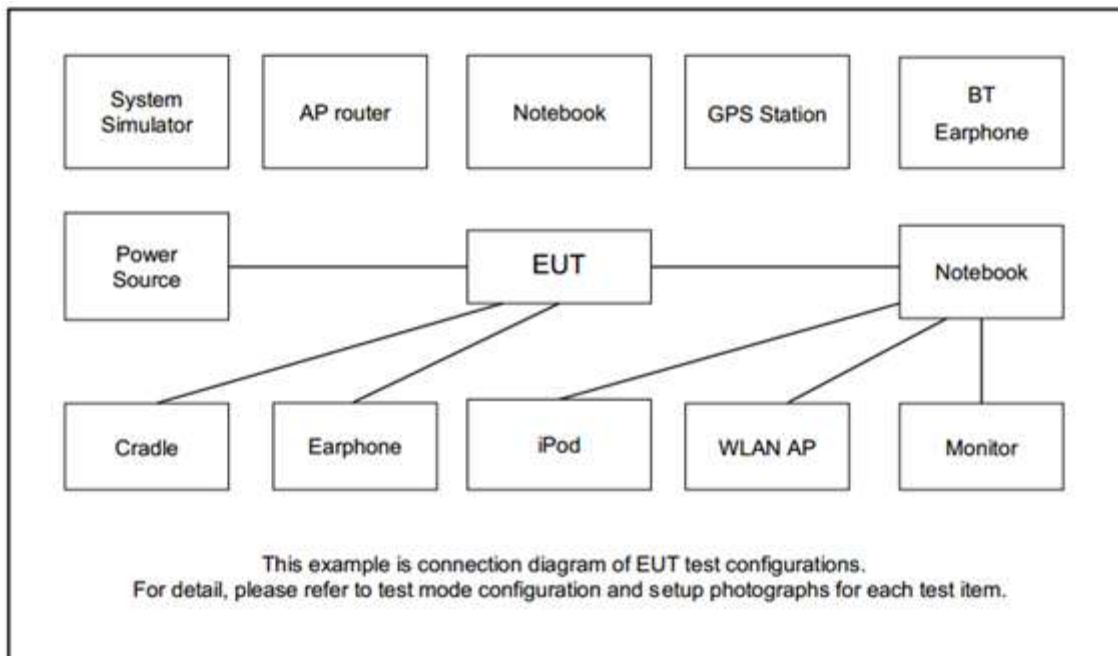
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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.	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 “ART2-GUI V2.3” was installed in EUT 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.

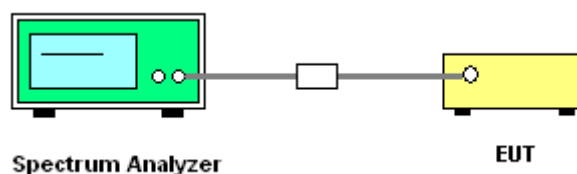
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

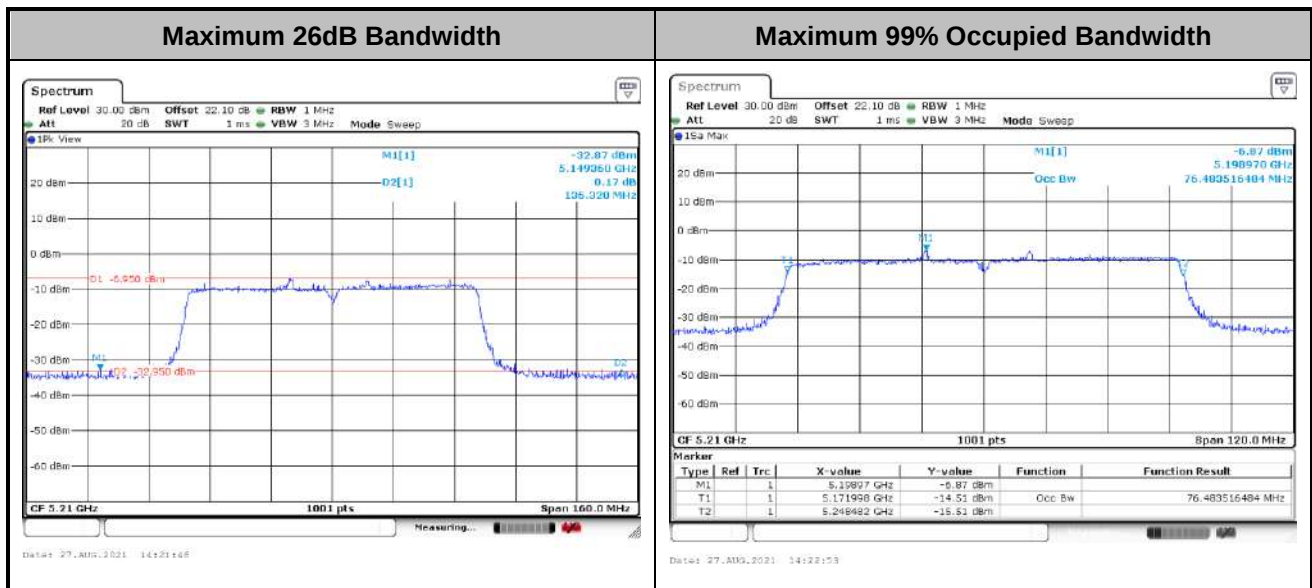
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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 $11 \text{ dBm} + 10 \log B$, 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

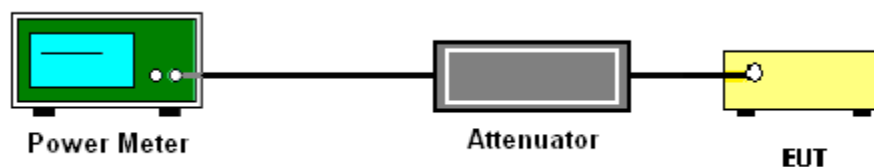
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

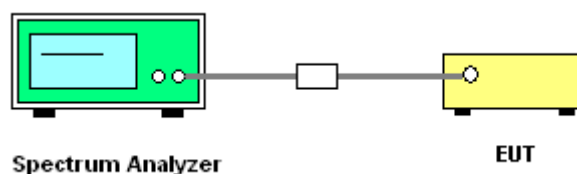
(power averaging (rms) detection with max hold):

- 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 PSD 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.

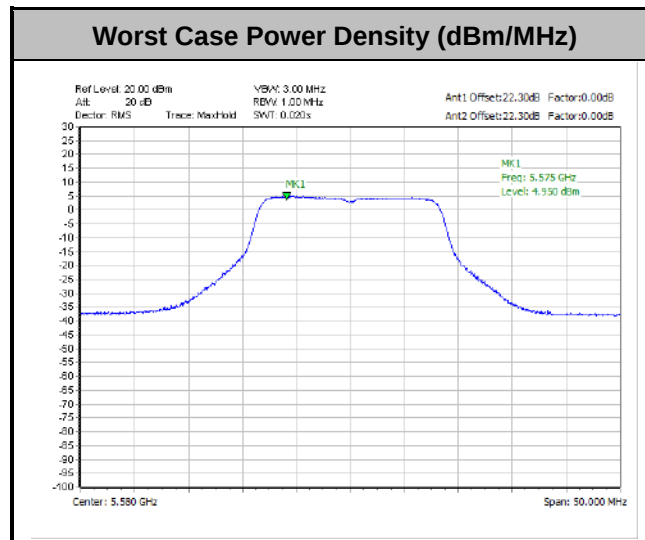
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and output 3 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.

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



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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

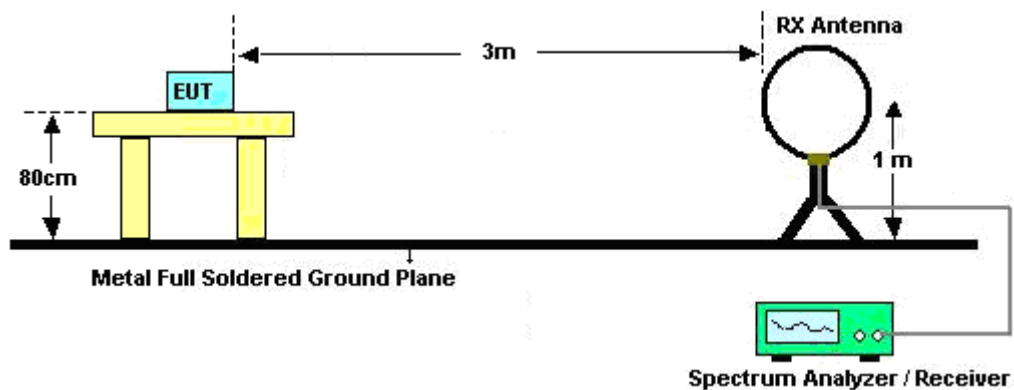
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

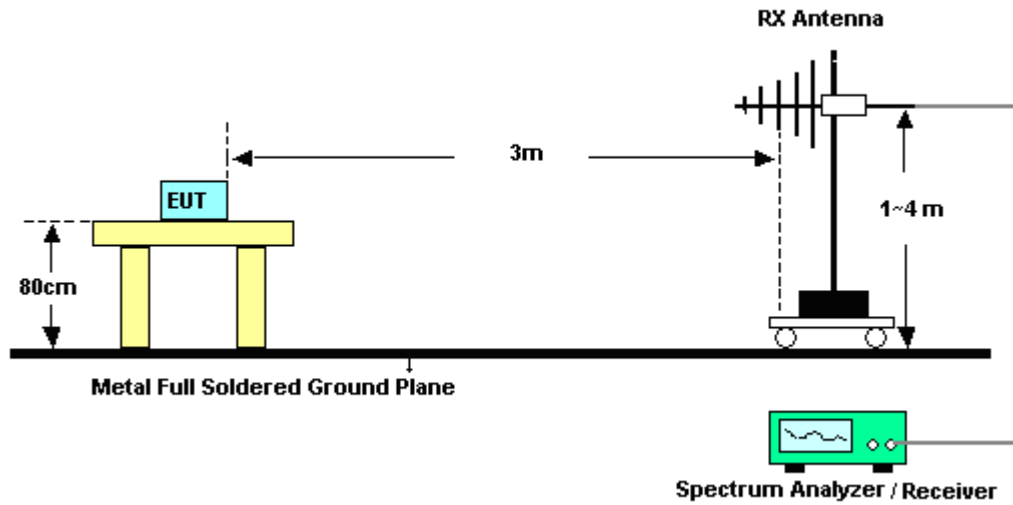
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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

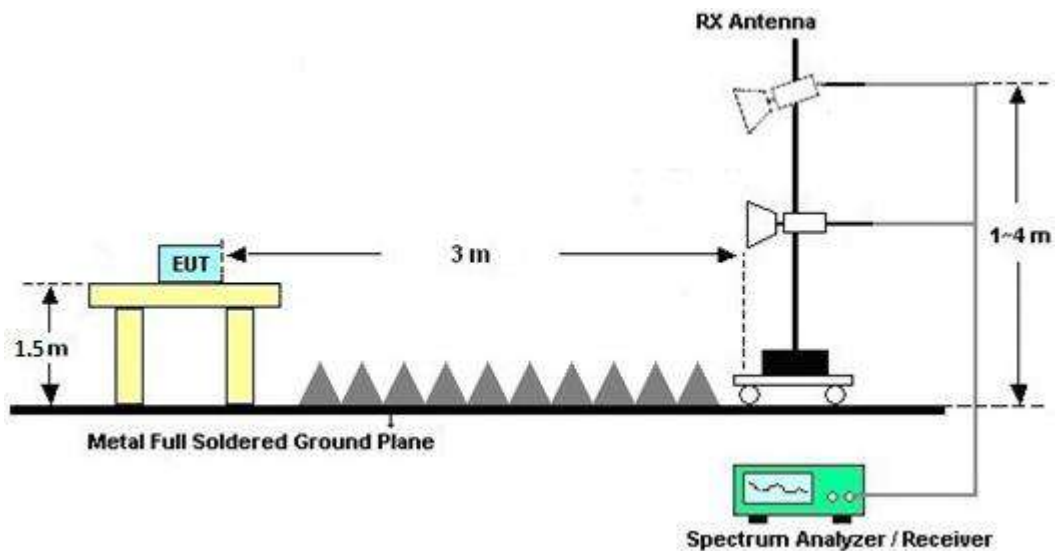
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated test above 1GHz



**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.

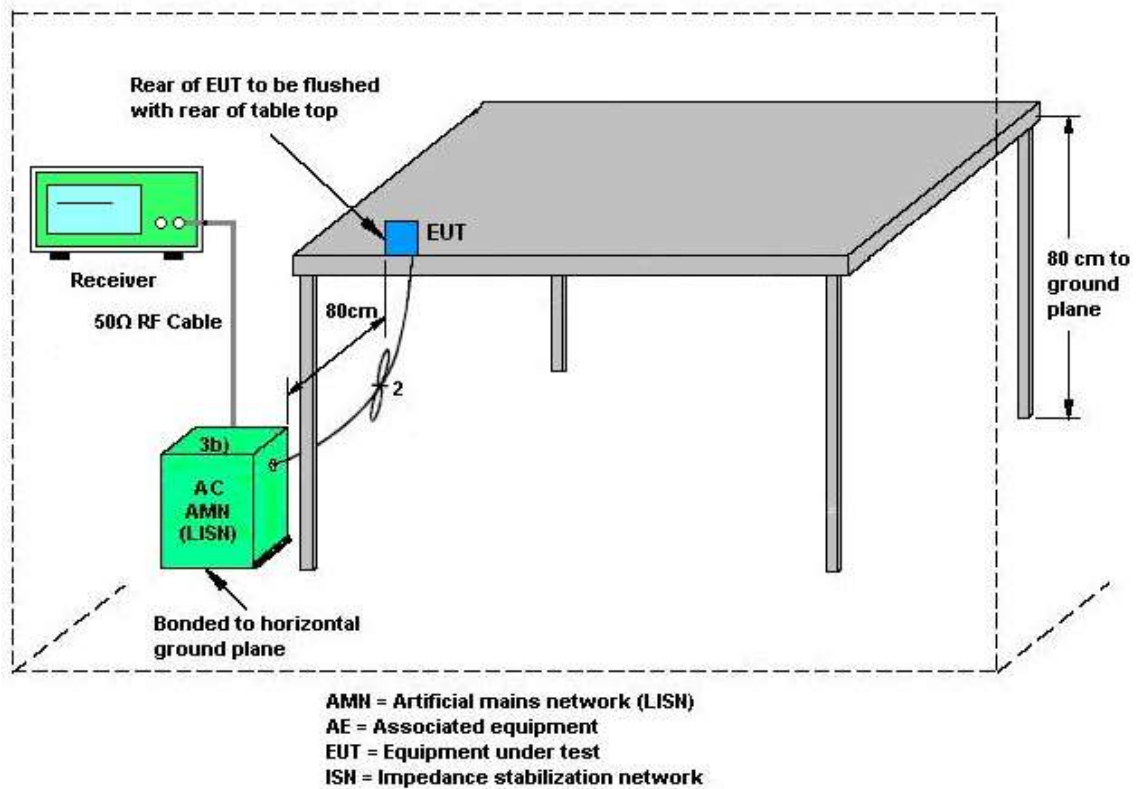
3.5.2 Measuring Instruments

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 Antenna Requirements

3.6.1 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.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

	Ant. 0 (dBi)	Ant. 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.10	4.10	4.10	7.11	0.00	1.11
Band II	4.41	4.41	4.41	7.42	0.00	1.42
Band III	4.41	4.41	4.41	7.42	0.00	1.42

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	Aug. 06, 2021~ Aug. 24, 2021	Jan. 03, 2022	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz to 1GHz	Oct. 11, 2020	Aug. 06, 2021~ Aug. 24, 2021	Oct. 10, 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 29, 2020	Aug. 06, 2021~ Aug. 24, 2021	Sep. 28, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz ~40GHz	Nov. 19, 2020	Aug. 06, 2021~ Aug. 24, 2021	Nov. 18, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Jul. 05, 2021	Aug. 06, 2021~ Aug. 24, 2021	Jul. 04, 2022	Radiation (03CH16-HY)
Amplifier	Jet-Power	JPA0118-55-30 3	17100018000 54001	1-18GHz	Jun. 16, 2021	Aug. 06, 2021~ Aug. 24, 2021	Jun. 15, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Aug. 06, 2021~ Aug. 24, 2021	Dec. 10, 2021	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 10, 2020	Aug. 06, 2021~ Aug. 24, 2021	Dec. 09, 2021	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A	MY57290111	3Hz~26.5GHz	Dec. 11, 2020	Aug. 06, 2021~ Aug. 24, 2021	Dec. 10, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4P E	NA	Aug. 29, 2020	Aug. 06, 2021~ Aug. 24, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4P E	NA	Aug. 29, 2020	Aug. 06, 2021~ Aug. 24, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	NA	Aug. 29, 2020	Aug. 06, 2021~ Aug. 24, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Aug. 06, 2021~ Aug. 24, 2021	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 06, 2021~ Aug. 24, 2021	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 06, 2021~ Aug. 24, 2021	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 06, 2021~ Aug. 24, 2021	N/A	Radiation (03CH16-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 01, 2021	Aug. 26, 2021~ Aug. 27, 2021	Feb. 28, 2022	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12	10MHz~6GHz	Dec. 16, 2020	Aug. 26, 2021~ Aug. 27, 2021	Dec. 15, 2021	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Nov. 13, 2020	Aug. 26, 2021~ Aug. 27, 2021	Nov. 12, 2021	Conducted (TH02-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Aug. 26, 2021~ Aug. 27, 2021	Mar. 16, 2022	Conducted (TH02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 31, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Mar. 31, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Mar. 31, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Mar. 31, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 31, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Mar. 31, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Mar. 31, 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 dB
---	--------

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.8 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.6 dB
---	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Richard Qiu	Temperature:	24.5~25.3	°C
Test Date:	2021/8/26~2021/8/27	Relative Humidity:	46.6~50.7	%

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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180	17.98	17.68	23.75	24.00	-	-	22.48	-	
11a	6Mbps	2	44	5220	17.98	17.63	24.30	23.75	-	-	22.46	-	
11a	6Mbps	2	48	5240	18.03	17.73	24.80	23.30	-	-	22.49	-	
VHT20	MCS0	2	36	5180	18.93	18.93	25.00	25.10	-	-	22.77	-	
VHT20	MCS0	2	44	5220	18.98	18.98	25.80	24.70	-	-	22.78	-	
VHT20	MCS0	2	48	5240	19.08	18.83	25.30	24.85	-	-	22.75	-	
VHT40	MCS0	2	38	5190	37.36	37.26	47.88	47.61	-	-	23.01	-	
VHT40	MCS0	2	46	5230	37.16	37.16	47.34	47.07	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.48	76.48	135.04	136.32	-	-	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180	6.20	6.20	9.21	24.00		4.10		Pass
11a	6Mbps	2	44	5220	7.30	7.10	10.21	24.00		4.10		Pass
11a	6Mbps	2	48	5240	7.40	7.20	10.31	24.00		4.10		Pass
HT20	MCS0	2	36	5180	6.70	6.70	9.71	24.00		4.10		Pass
HT20	MCS0	2	44	5220	6.90	6.50	9.71	24.00		4.10		Pass
HT20	MCS0	2	48	5240	7.50	7.20	10.36	24.00		4.10		Pass
HT40	MCS0	2	38	5190	4.00	3.60	6.81	24.00		4.10		Pass
HT40	MCS0	2	46	5230	6.60	6.20	9.41	24.00		4.10		Pass
VHT20	MCS0	2	36	5180	6.80	6.70	9.76	24.00		4.10		Pass
VHT20	MCS0	2	44	5220	7.00	6.50	9.77	24.00		4.10		Pass
VHT20	MCS0	2	48	5240	7.60	7.20	10.41	24.00		4.10		Pass
VHT40	MCS0	2	38	5190	4.10	3.60	6.87	24.00		4.10		Pass
VHT40	MCS0	2	46	5230	6.60	6.30	9.46	24.00		4.10		Pass
VHT80	MCS0	2	42	5210	-0.10	-0.10	2.91	24.00		4.10		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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180			-0.89	9.89	7.11			Pass	
11a	6Mbps	2	44	5220			0.07	9.89	7.11			Pass	
11a	6Mbps	2	48	5240			0.46	9.89	7.11			Pass	
VHT20	MCS0	2	36	5180			-0.58	9.89	7.11			Pass	
VHT20	MCS0	2	44	5220			-0.89	9.89	7.11			Pass	
VHT20	MCS0	2	48	5240			0.21	9.89	7.11			Pass	
VHT40	MCS0	2	38	5190			-6.36	9.89	7.11			Pass	
VHT40	MCS0	2	46	5230			-3.70	9.89	7.11			Pass	
VHT80	MCS0	2	42	5210			-11.93	9.89	7.11			Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	N _{TX}	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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	52	5260	17.93	17.63	24.45	24.60	23.46		29.46		23.98		
11a	6Mbps	2	60	5300	17.98	17.73	24.25	23.90	23.49		29.49		23.98		
11a	6Mbps	2	64	5320	18.03	17.68	23.90	24.45	23.48		29.48		23.98		
VHT20	MCS0	2	52	5260	18.98	18.93	25.15	24.75	23.77		29.77		23.98		
VHT20	MCS0	2	60	5300	19.08	18.93	25.15	25.30	23.77		29.77		23.98		
VHT20	MCS0	2	64	5320	18.98	18.83	25.10	25.05	23.75		29.75		23.98		
VHT40	MCS0	2	54	5270	37.06	37.06	46.35	46.26	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	37.06	37.16	47.79	46.80	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.24	76.36	95.04	96.64	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	11.40	9.90	13.72	23.98		4.41		30	Pass
11a	6Mbps	2	60	5300	10.10	10.00	13.06	23.98		4.41		30	Pass
11a	6Mbps	2	64	5320	11.40	11.30	14.36	23.98		4.41		30	Pass
HT20	MCS0	2	52	5260	9.60	9.50	12.56	23.98		4.41		30	Pass
HT20	MCS0	2	60	5300	10.00	9.90	12.96	23.98		4.41		30	Pass
HT20	MCS0	2	64	5320	11.20	11.10	14.16	23.98		4.41		30	Pass
HT40	MCS0	2	54	5270	16.00	14.60	18.37	23.98		4.41		30	Pass
HT40	MCS0	2	62	5310	8.70	8.50	11.61	23.98		4.41		30	Pass
VHT20	MCS0	2	52	5260	9.60	9.60	12.61	23.98		4.41		30	Pass
VHT20	MCS0	2	60	5300	10.10	9.90	13.01	23.98		4.41		30	Pass
VHT20	MCS0	2	64	5320	11.20	11.20	14.21	23.98		4.41		30	Pass
VHT40	MCS0	2	54	5270	16.00	14.70	18.41	23.98		4.41		30	Pass
VHT40	MCS0	2	62	5310	8.80	8.50	11.66	23.98		4.41		30	Pass
VHT80	MCS0	2	58	5290	2.00	1.80	4.91	23.98		4.41		30	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260			2.87	9.58	7.42			Pass	
11a	6Mbps	2	60	5300			2.81	9.58	7.42			Pass	
11a	6Mbps	2	64	5320			4.46	9.58	7.42			Pass	
VHT20	MCS0	2	52	5260			1.99	9.58	7.42			Pass	
VHT20	MCS0	2	60	5300			2.54	9.58	7.42			Pass	
VHT20	MCS0	2	64	5320			3.24	9.58	7.42			Pass	
VHT40	MCS0	2	54	5270			4.95	9.58	7.42			Pass	
VHT40	MCS0	2	62	5310			-1.66	9.58	7.42			Pass	
VHT80	MCS0	2	58	5290			-10.36	9.58	7.42			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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	100	5500	17.93	17.73	24.40	23.80	23.49		29.49		23.98		----	----
11a	6Mbps	2	116	5580	17.98	17.68	24.05	23.65	23.48		29.48		23.98		----	----
11a	6Mbps	2	140	5700	18.03	17.83	24.15	24.00	23.51		29.51		23.98		----	----
VHT20	MCS0	2	100	5500	18.98	18.88	25.25	24.35	23.76		29.76		23.98		----	----
VHT20	MCS0	2	116	5580	18.93	19.03	24.70	25.50	23.77		29.77		23.98		----	----
VHT20	MCS0	2	140	5700	19.03	18.98	25.10	25.50	23.78		29.78		23.98		----	----
VHT40	MCS0	2	102	5510	37.06	36.96	47.43	47.16	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	37.06	36.76	46.44	45.45	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	37.06	37.06	46.35	47.52	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.12	76.12	88.16	87.68	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.88	76.00	86.72	87.20	23.98		30.00		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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	144	5720	14.04	13.99	17.25	16.90	22.46		28.46		23.28		3.15	3.15
VHT20	MCS0	2	144	5720	14.59	14.64	17.65	18.05	22.64		28.64		23.47		3.75	3.75
VHT40	MCS0	2	142	5710	33.68	33.78	39.75	39.21	23.98		30.00		23.98		2.91	2.91
VHT80	MCS0	2	138	5690	73.12	73.36	80.76	79.32	23.98		30.00		23.98		----	0.04

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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	10.60	10.30	13.46	23.98		4.41		30	Pass
11a	6Mbps	2	116	5580	12.10	12.00	15.06	23.98		4.41		30	Pass
11a	6Mbps	2	140	5700	4.70	4.20	7.47	23.98		4.41		30	Pass
HT20	MCS0	2	100	5500	10.90	10.60	13.76	23.98		4.41		30	Pass
HT20	MCS0	2	116	5580	11.50	11.20	14.36	23.98		4.41		30	Pass
HT20	MCS0	2	140	5700	4.50	4.10	7.31	23.98		4.41		30	Pass
HT40	MCS0	2	102	5510	9.50	9.50	12.51	23.98		4.41		30	Pass
HT40	MCS0	2	110	5550	12.00	12.30	15.16	23.98		4.41		30	Pass
HT40	MCS0	2	134	5670	10.60	10.10	13.37	23.98		4.41		30	Pass
VHT20	MCS0	2	100	5500	11.00	10.60	13.81	23.98		4.41		30	Pass
VHT20	MCS0	2	116	5580	11.60	11.20	14.41	23.98		4.41		30	Pass
VHT20	MCS0	2	140	5700	4.60	4.10	7.37	23.98		4.41		30	Pass
VHT40	MCS0	2	102	5510	9.50	9.60	12.56	23.98		4.41		30	Pass
VHT40	MCS0	2	110	5550	12.10	12.30	15.21	23.98		4.41		30	Pass
VHT40	MCS0	2	134	5670	10.60	10.20	13.41	23.98		4.41		30	Pass
VHT80	MCS0	2	106	5530	3.50	3.70	6.61	23.98		4.41		30	Pass
VHT80	MCS0	2	122	5610	10.80	10.50	13.66	23.98		4.41		30	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720	5.90	5.30	8.62	23.28		4.41		30	Pass
HT20	MCS0	2	144	5720	4.30	3.70	7.02	23.98		4.41		30	Pass
HT40	MCS0	2	142	5710	8.70	8.30	11.51	23.98		4.41		30	Pass
VHT20	MCS0	2	144	5720	4.40	3.70	7.07	23.47		4.41		30	Pass
VHT40	MCS0	2	142	5710	8.80	8.30	11.57	23.98		4.41		30	Pass
VHT80	MCS0	2	138	5690	11.60	11.10	14.37	23.98		4.41		30	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500			3.48	9.58	7.42			Pass	
11a	6Mbps	2	116	5580			4.95	9.58	7.42			Pass	
11a	6Mbps	2	140	5700			-2.46	9.58	7.42			Pass	
VHT20	MCS0	2	100	5500			3.34	9.58	7.42			Pass	
VHT20	MCS0	2	116	5580			4.17	9.58	7.42			Pass	
VHT20	MCS0	2	140	5700			-2.44	9.58	7.42			Pass	
VHT40	MCS0	2	102	5510			-1.00	9.58	7.42			Pass	
VHT40	MCS0	2	110	5550			1.81	9.58	7.42			Pass	
VHT40	MCS0	2	134	5670			0.44	9.58	7.42			Pass	
VHT80	MCS0	2	106	5530			-7.46	9.58	7.42			Pass	
VHT80	MCS0	2	122	5610			-0.74	9.58	7.42			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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720			-1.04	9.58	7.42			Pass	
VHT20	MCS0	2	144	5720			-3.00	9.58	7.42			Pass	
VHT40	MCS0	2	142	5710			-1.62	9.58	7.42			Pass	
VHT80	MCS0	2	138	5690			0.10	9.58	7.42			Pass	



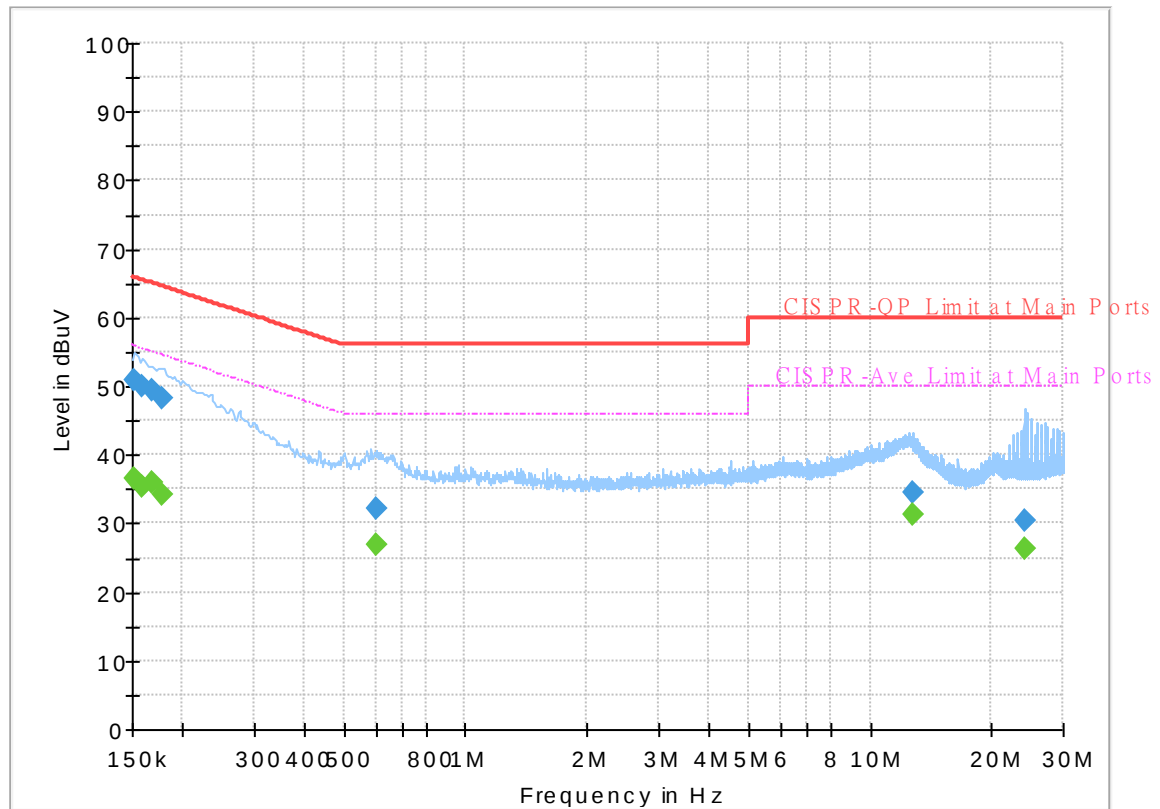
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO : 111402
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



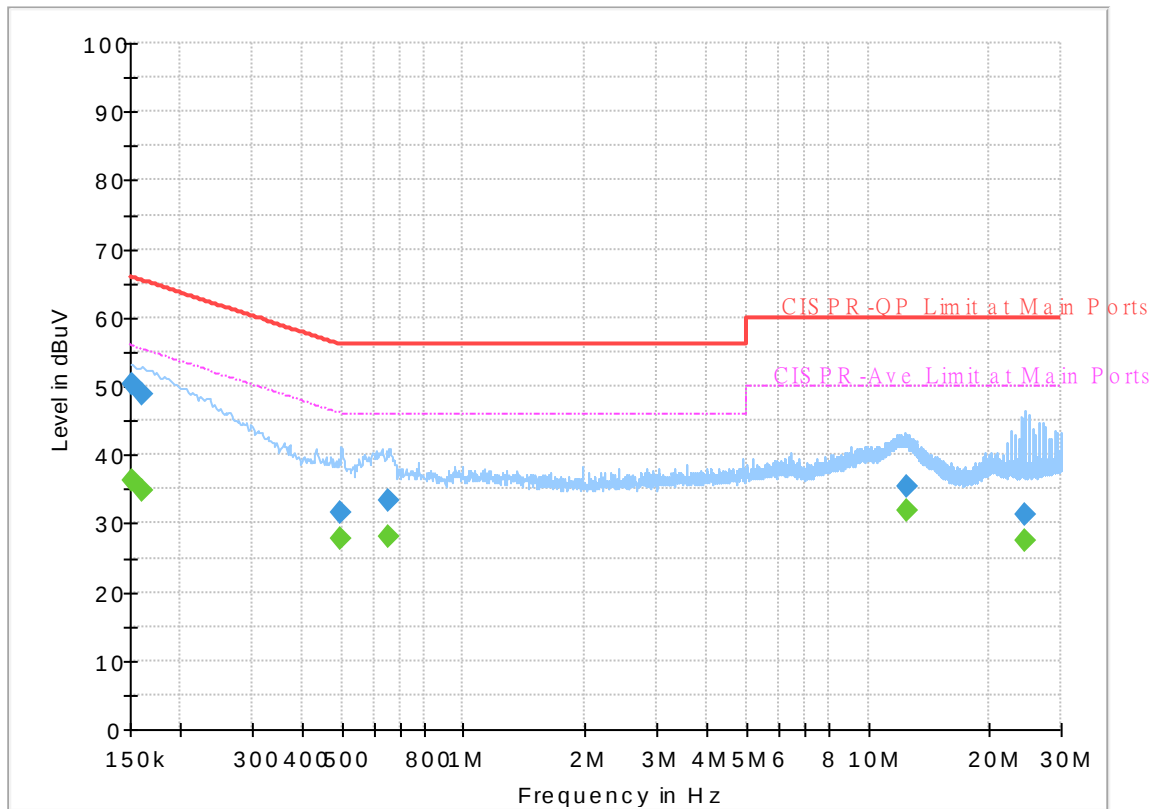
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.55	55.88	19.33	L1	OFF	19.7
0.152250	50.92	---	65.88	14.96	L1	OFF	19.7
0.159000	---	35.50	55.52	20.02	L1	OFF	19.7
0.159000	50.00	---	65.52	15.52	L1	OFF	19.7
0.168000	---	35.94	55.06	19.12	L1	OFF	19.7
0.168000	49.43	---	65.06	15.63	L1	OFF	19.7
0.177000	---	34.15	54.63	20.48	L1	OFF	19.7
0.177000	48.11	---	64.63	16.52	L1	OFF	19.7
0.602250	---	26.99	46.00	19.01	L1	OFF	20.0
0.602250	32.06	---	56.00	23.94	L1	OFF	20.0
12.743250	---	31.18	50.00	18.82	L1	OFF	20.3
12.743250	34.62	---	60.00	25.38	L1	OFF	20.3
24.036000	---	26.19	50.00	23.81	L1	OFF	20.7
24.036000	30.30	---	60.00	29.70	L1	OFF	20.7

EUT Information

Report NO : 111402
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)
0.152250	50.32	---	65.88	15.56	N	OFF	19.7
0.152250	---	36.23	55.88	19.65	N	OFF	19.7
0.161250	48.75	---	65.40	16.65	N	OFF	19.7
0.161250	---	34.71	55.40	20.69	N	OFF	19.7
0.498750	31.72	---	56.02	24.30	N	OFF	19.9
0.498750	---	27.92	46.02	18.10	N	OFF	19.9
0.654000	33.35	---	56.00	22.65	N	OFF	20.1
0.654000	---	28.18	46.00	17.82	N	OFF	20.1
12.426000	35.26	---	60.00	24.74	N	OFF	20.3
12.426000	---	31.87	50.00	18.13	N	OFF	20.3
24.513000	31.33	---	60.00	28.67	N	OFF	20.8
24.513000	---	27.48	50.00	22.52	N	OFF	20.8



Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

<Sample 1>

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

WIFI Ant. 0+1	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		5129.22	53.5	-20.5	74	38.35	31.8	13.02	29.67	100	20	P	H
		5128.18	43.17	-10.83	54	28.02	31.8	13.02	29.67	100	20	A	H
	*	5180	94.72	-	-	79.63	31.68	13.09	29.68	100	20	P	H
	*	5180	87.55	-	-	72.46	31.68	13.09	29.68	100	20	A	H
		5133.38	54.42	-19.58	74	39.26	31.8	13.03	29.67	184	178	P	V
		5140.4	45.18	-8.82	54	30.01	31.8	13.04	29.67	184	178	A	V
	*	5180	109.62	-	-	94.53	31.68	13.09	29.68	184	178	P	V
	*	5180	102.39	-	-	87.3	31.68	13.09	29.68	184	178	A	V
		5460	61.03	-12.97	74	45.61	31.62	13.52	29.72	191	197	P	V
		5460	51.66	-2.34	54	36.24	31.62	13.52	29.72	191	197	A	V
802.11a CH 44 5220MHz		5092.82	54.22	-19.78	74	39.13	31.77	12.98	29.66	114	19	P	H
		5149.76	43.33	-10.67	54	28.15	31.8	13.05	29.67	114	19	A	H
	*	5220	98.18	-	-	83.24	31.48	13.15	29.69	114	19	P	H
	*	5220	89.66	-	-	74.72	31.48	13.15	29.69	114	19	A	H
		5355.28	53.65	-20.35	74	38.85	31.12	13.39	29.71	114	19	P	H
		5453.84	43.59	-10.41	54	28.18	31.61	13.52	29.72	114	19	A	H
		5111.28	55.27	-18.73	74	40.14	31.8	13	29.67	174	172	P	V
		5148.72	44.9	-9.1	54	29.72	31.8	13.05	29.67	174	172	A	V
	*	5220	112.23	-	-	97.29	31.48	13.15	29.69	174	172	P	V
	*	5220	104.19	-	-	89.25	31.48	13.15	29.69	174	172	A	V
		5458.6	58.89	-15.11	74	43.47	31.62	13.52	29.72	174	172	P	V
		5428.36	50.55	-3.45	54	35.31	31.47	13.49	29.72	174	172	A	V



WIFI Ant. 0+1	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 48 5240MHz		5139.36	54.61	-19.39	74	39.45	31.8	13.03	29.67	347	3	P	H
		5128.7	43.8	-10.2	54	28.65	31.8	13.02	29.67	347	3	A	H
	*	5240	97.74	-	-	82.89	31.36	13.18	29.69	347	3	P	H
	*	5240	90.53	-	-	75.68	31.36	13.18	29.69	347	3	A	H
		5444.88	54.14	-19.86	74	38.78	31.57	13.51	29.72	347	3	P	H
		5431.44	43.84	-10.16	54	28.57	31.49	13.5	29.72	347	3	A	H
		5135.98	55.76	-18.24	74	40.6	31.8	13.03	29.67	188	171	P	V
		5149.24	45.69	-8.31	54	30.51	31.8	13.05	29.67	188	171	A	V
	*	5240	113.36	-	-	98.51	31.36	13.18	29.69	188	171	P	V
	*	5240	105.16	-	-	90.31	31.36	13.18	29.69	188	171	A	V
		5452.44	59.16	-14.84	74	43.77	31.6	13.51	29.72	188	171	P	V
		5456.36	50.34	-3.66	54	34.93	31.61	13.52	29.72	188	171	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. 0+1	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	49.82	-18.38	68.2	52.86	39.44	19.51	61.99	100	0	P	H
		15540	46.55	-27.45	74	46.13	37.98	22.98	60.54	100	0	P	H
													H
													H
		6906	66.66	-1.54	68.2	47.16	34.82	15.17	30.49	200	152	P	V
		10360	52.4	-15.8	68.2	55.44	39.44	19.51	61.99	100	0	P	V
		15540	46.43	-27.57	74	46.01	37.98	22.98	60.54	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	49.54	-18.66	68.2	52.39	39.68	19.52	62.05	100	0	P	H
		15660	45.98	-28.02	74	45.65	37.56	23.11	60.34	100	0	P	H
													H
													H
		6958	66.57	-1.63	68.2	46.77	35.03	15.31	30.54	201	155	P	V
		10440	54.49	-13.71	68.2	57.34	39.68	19.52	62.05	100	0	P	V
		15660	47.13	-26.87	74	46.8	37.56	23.11	60.34	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	50.38	-17.82	68.2	53.17	39.76	19.53	62.08	100	0	P	H
		15720	45.99	-28.01	74	45.7	37.38	23.16	60.25	100	0	P	H
													H
													H
		6988	66.68	-1.52	68.2	46.7	35.15	15.39	30.56	208	161	P	V
		10480	53.23	-14.97	68.2	56.02	39.76	19.53	62.08	100	0	P	V
		15720	45.43	-28.57	74	45.14	37.38	23.16	60.25	100	0	P	V
													V
													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. 0+1	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		5130.26	54.9	-19.1	74	39.75	31.8	13.02	29.67	123	19	P	H
		5141.44	43.42	-10.58	54	28.25	31.8	13.04	29.67	123	19	A	H
	*	5180	95.8	-	-	80.71	31.68	13.09	29.68	123	19	P	H
	*	5180	87.93	-	-	72.84	31.68	13.09	29.68	123	19	A	H
													H
													H
		5142.48	56.12	-17.88	74	40.95	31.8	13.04	29.67	182	172	P	V
		5134.42	46.25	-7.75	54	31.09	31.8	13.03	29.67	182	172	A	V
	*	5180	110.86	-	-	95.77	31.68	13.09	29.68	182	172	P	V
	*	5180	103.14	-	-	88.05	31.68	13.09	29.68	182	172	A	V
		5460	61.97	-12.03	74	46.55	31.62	13.52	29.72	189	181	P	V
		5460	52.86	-1.14	54	37.44	31.62	13.52	29.72	189	181	A	V
802.11ac VHT20 CH 44 5220MHz		5118.04	55.05	-18.95	74	39.91	31.8	13.01	29.67	359	4	P	H
		5133.38	44.07	-9.93	54	28.91	31.8	13.03	29.67	359	4	A	H
	*	5220	97.28	-	-	82.34	31.48	13.15	29.69	359	4	P	H
	*	5220	89.95	-	-	75.01	31.48	13.15	29.69	359	4	A	H
		5403.16	55.19	-18.81	74	40.11	31.32	13.47	29.71	359	4	P	H
		5445.44	44.2	-9.8	54	28.84	31.57	13.51	29.72	359	4	A	H
		5137.28	56.24	-17.76	74	41.08	31.8	13.03	29.67	172	180	P	V
		5133.38	45.98	-8.02	54	30.82	31.8	13.03	29.67	172	180	A	V
	*	5220	113.34	-	-	98.4	31.48	13.15	29.69	172	180	P	V
	*	5220	105.15	-	-	90.21	31.48	13.15	29.69	172	180	A	V
		5457.76	59.94	-14.06	74	44.52	31.62	13.52	29.72	172	180	P	V
		5441.24	50.76	-3.24	54	35.42	31.55	13.51	29.72	172	180	A	V



WIFI Ant. 0+1	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 48 5240MHz		5018.72	54.96	-19.04	74	40.19	31.54	12.88	29.65	365	4	P	H
		5135.2	44.1	-9.9	54	28.94	31.8	13.03	29.67	365	4	A	H
	*	5240	98.67	-	-	83.82	31.36	13.18	29.69	365	4	P	H
	*	5240	90.99	-	-	76.14	31.36	13.18	29.69	365	4	A	H
		5384.4	54.7	-19.3	74	39.73	31.24	13.44	29.71	365	4	P	H
		5456.92	44.09	-9.91	54	28.68	31.61	13.52	29.72	365	4	A	H
		5103.74	56.91	-17.09	74	41.79	31.8	12.99	29.67	181	183	P	V
		5148.46	46.21	-7.79	54	31.03	31.8	13.05	29.67	181	183	A	V
	*	5240	114.45	-	-	99.6	31.36	13.18	29.69	181	183	P	V
	*	5240	106.15	-	-	91.3	31.36	13.18	29.69	181	183	A	V
		5451.04	60.55	-13.45	74	45.16	31.6	13.51	29.72	181	183	P	V
		5458.6	51.21	-2.79	54	35.79	31.62	13.52	29.72	181	183	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. 0+1	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	49.12	-19.08	68.2	52.16	39.44	19.51	61.99	100	0	P	H
		15540	47.32	-26.68	74	46.9	37.98	22.98	60.54	100	0	P	H
													H
													H
		6906	66.64	-1.56	68.2	47.14	34.82	15.17	30.49	203	156	P	V
		10360	54.32	-13.88	68.2	57.36	39.44	19.51	61.99	100	0	P	V
		15540	47.34	-26.66	74	46.92	37.98	22.98	60.54	100	0	P	V
													V
													V
802.11ac VHT20 CH 44 5220MHz		10440	48.68	-19.52	68.2	51.53	39.68	19.52	62.05	100	0	P	H
		15660	46.16	-27.84	74	45.83	37.56	23.11	60.34	100	0	P	H
													H
													H
		6958	66.89	-1.31	68.2	47.09	35.03	15.31	30.54	193	154	P	V
		10440	52.14	-16.06	68.2	54.99	39.68	19.52	62.05	100	0	P	V
		15660	46.78	-27.22	74	46.45	37.56	23.11	60.34	100	0	P	V
													V
													V
802.11ac VHT20 CH 48 5240MHz		10480	49.16	-19.04	68.2	51.95	39.76	19.53	62.08	100	0	P	H
		15720	46.06	-27.94	74	45.77	37.38	23.16	60.25	100	0	P	H
													H
													H
		6988	66.83	-1.37	68.2	46.85	35.15	15.39	30.56	198	160	P	V
		10480	53.3	-14.9	68.2	56.09	39.76	19.53	62.08	100	0	P	V
		15720	46.15	-27.85	74	45.86	37.38	23.16	60.25	100	0	P	V
													V
													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. 0+1	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		5092.04	53.93	-20.07	74	38.84	31.77	12.98	29.66	358	3	P	H
		5150	43.76	-10.24	54	28.58	31.8	13.05	29.67	358	3	A	H
	*	5190	88.34	-	-	73.28	31.64	13.1	29.68	358	3	P	H
	*	5190	81.07	-	-	66.01	31.64	13.1	29.68	358	3	A	H
		5445.16	52.2	-21.8	74	36.84	31.57	13.51	29.72	358	3	P	H
		5441.52	43.88	-10.12	54	28.54	31.55	13.51	29.72	358	3	A	H
		5144.82	55.07	-18.93	74	39.9	31.8	13.04	29.67	200	174	P	V
		5149.5	46.77	-7.23	54	31.59	31.8	13.05	29.67	200	174	A	V
	*	5190	104.16	-	-	89.1	31.64	13.1	29.68	200	174	P	V
	*	5190	96.55	-	-	81.49	31.64	13.1	29.68	200	174	A	V
		5454.68	58.33	-15.67	74	42.92	31.61	13.52	29.72	200	174	P	V
		5458.6	50.23	-3.77	54	34.81	31.62	13.52	29.72	200	174	A	V
802.11ac VHT40 CH 46 5230MHz		5134.16	53.08	-20.92	74	37.92	31.8	13.03	29.67	361	3	P	H
		5145.86	43.85	-10.15	54	28.68	31.8	13.04	29.67	361	3	A	H
	*	5230	92.19	-	-	77.3	31.42	13.16	29.69	361	3	P	H
	*	5230	84.5	-	-	69.61	31.42	13.16	29.69	361	3	A	H
		5363.4	53.08	-20.92	74	38.24	31.15	13.4	29.71	361	3	P	H
		5441.24	43.61	-10.39	54	28.27	31.55	13.51	29.72	361	3	A	H
		5135.98	53.96	-20.04	74	38.8	31.8	13.03	29.67	195	160	P	V
		5141.96	45.49	-8.51	54	30.32	31.8	13.04	29.67	195	160	A	V
	*	5230	106.84	-	-	91.95	31.42	13.16	29.69	195	160	P	V
	*	5230	99.84	-	-	84.95	31.42	13.16	29.69	195	160	A	V
		5429.48	59.29	-14.71	74	44.03	31.48	13.5	29.72	195	160	P	V
		5446.84	50	-4	54	34.63	31.58	13.51	29.72	195	160	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. 0+1	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	51.12	-17.08	68.2	54.2	39.52	19.4	62	100	0	P	H
		15570	47.67	-26.33	74	47.02	37.89	23.25	60.49	100	0	P	H
													H
													H
		6920	67.09	-1.11	68.2	47.51	34.88	15.2	30.5	190	156	P	V
		10380	50.68	-17.52	68.2	53.76	39.52	19.4	62	100	0	P	V
		15570	47.86	-26.14	74	47.21	37.89	23.25	60.49	100	0	P	V
													V
													V
802.11ac VHT40 CH 46 5230MHz		10460	49.55	-18.65	68.2	52.46	39.72	19.44	62.07	100	0	P	H
		15690	47.06	-26.94	74	46.58	37.44	23.34	60.3	100	0	P	H
													H
													H
		6976	66.35	-1.85	68.2	46.44	35.1	15.36	30.55	201	162	P	V
		10460	51.38	-16.82	68.2	54.29	39.72	19.44	62.07	100	0	P	V
		15690	46.33	-27.67	74	45.85	37.44	23.34	60.3	100	0	P	V
													V
													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. 0+1	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		5135.46	54.37	-19.63	74	39.21	31.8	13.03	29.67	261	26	P	H
		5126.36	44.43	-9.57	54	29.28	31.8	13.02	29.67	261	26	A	H
	*	5210	83.29	-	-	68.3	31.54	13.13	29.68	261	26	P	H
	*	5210	75.41	-	-	60.42	31.54	13.13	29.68	261	26	A	H
		5437.6	53.65	-20.35	74	38.34	31.53	13.5	29.72	261	26	P	H
		5445.72	44.3	-9.7	54	28.94	31.57	13.51	29.72	261	26	A	H
		5148.46	57.12	-16.88	74	41.94	31.8	13.05	29.67	195	175	P	V
		5146.12	47.43	-6.57	54	32.26	31.8	13.04	29.67	195	175	A	V
	*	5210	99.16	-	-	84.17	31.54	13.13	29.68	195	175	P	V
	*	5210	90.43	-	-	75.44	31.54	13.13	29.68	195	175	A	V
		5425	57.24	-16.76	74	42.02	31.45	13.49	29.72	195	175	P	V
		5459.44	48.12	-5.88	54	32.7	31.62	13.52	29.72	195	175	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. 0+1	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	49.21	-18.99	68.2	52.09	39.64	19.52	62.04	100	0	P	H
		15630	45.7	-28.3	74	45.33	37.68	23.08	60.39	100	0	P	H
													H
													H
		6947	66.95	-1.25	68.2	47.21	34.99	15.28	30.53	206	157	P	V
		10420	48.82	-19.38	68.2	51.7	39.64	19.52	62.04	100	0	P	V
		15630	46.38	-27.62	74	46.01	37.68	23.08	60.39	100	0	P	V
													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 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5035.02	54.37	-19.63	74	39.56	31.57	12.9	29.66	105	20	P	H
		5135.32	42.88	-11.12	54	27.72	31.8	13.03	29.67	105	20	A	H
	*	5260	100.98	-	-	86.17	31.28	13.22	29.69	105	20	P	H
	*	5260	94	-	-	79.19	31.28	13.22	29.69	105	20	A	H
		5425.92	54.88	-19.12	74	39.65	31.46	13.49	29.72	105	20	P	H
		5448.96	43.9	-10.1	54	28.52	31.59	13.51	29.72	105	20	A	H
		5141.44	55.13	-18.87	74	39.96	31.8	13.04	29.67	173	171	P	V
		5146.54	45.97	-8.03	54	30.8	31.8	13.04	29.67	173	171	A	V
	*	5260	115.55	-	-	100.74	31.28	13.22	29.69	173	171	P	V
	*	5260	108.13	-	-	93.32	31.28	13.22	29.69	173	171	A	V
		5424.72	62.71	-11.29	74	47.49	31.45	13.49	29.72	173	171	P	V
		5425.92	52.67	-1.33	54	37.44	31.46	13.49	29.72	173	171	A	V
802.11a CH 60 5300MHz		5131.24	53.76	-20.24	74	38.61	31.8	13.02	29.67	100	20	P	H
		5138.04	43.03	-10.97	54	27.87	31.8	13.03	29.67	100	20	A	H
	*	5300	101.41	-	-	86.62	31.2	13.29	29.7	100	20	P	H
	*	5300	94.14	-	-	79.35	31.2	13.29	29.7	100	20	A	H
		5442.24	54.14	-19.86	74	38.8	31.55	13.51	29.72	100	20	P	H
		5437.68	43.49	-10.51	54	28.18	31.53	13.5	29.72	100	20	A	H
		5124.44	55.36	-18.64	74	40.21	31.8	13.02	29.67	191	163	P	V
		5133.62	45.45	-8.55	54	30.29	31.8	13.03	29.67	191	163	A	V
	*	5300	115.15	-	-	100.36	31.2	13.29	29.7	191	163	P	V
	*	5300	107.85	-	-	93.06	31.2	13.29	29.7	191	163	A	V
		5459.52	60.06	-13.94	74	44.64	31.62	13.52	29.72	191	163	P	V
		5457.36	51.12	-2.88	54	35.71	31.61	13.52	29.72	191	163	A	V



WIFI Ant. 0+1	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 64 5320MHz	*	5320	103.73	-	-	88.94	31.16	13.33	29.7	102	20	P	H
	*	5320	96.2	-	-	81.41	31.16	13.33	29.7	102	20	A	H
		5354.72	54.49	-19.51	74	39.69	31.12	13.39	29.71	102	20	P	H
		5454.24	44.41	-9.59	54	29	31.61	13.52	29.72	102	20	A	H
													H
													H
	*	5320	117.14	-	-	102.35	31.16	13.33	29.7	165	168	P	V
	*	5320	110.12	-	-	95.33	31.16	13.33	29.7	165	168	A	V
		5456.96	61.97	-12.03	74	46.56	31.61	13.52	29.72	165	168	P	V
		5455.52	52.74	-1.26	54	37.33	31.61	13.52	29.72	165	168	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. 0+1	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	50.53	-17.67	68.2	53.31	39.8	19.49	62.07	100	0	P	H
		15780	45.82	-28.18	74	45.25	37.32	23.4	60.15	100	0	P	H
													H
													H
		7011	62.63	-5.57	68.2	68.77	35.24	16.52	57.9	200	159	P	V
		10520	56.34	-11.86	68.2	59.12	39.8	19.49	62.07	100	0	P	V
		15780	46.6	-27.4	74	46.03	37.32	23.4	60.15	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	49.9	-24.1	74	52.53	39.8	19.53	61.96	100	0	P	H
		15900	45.97	-28.03	74	44.94	37.5	23.49	59.96	100	0	P	H
													H
													H
		7066	60.53	-7.67	68.2	66.41	35.53	16.5	57.91	200	159	P	V
		10600	54.64	-19.36	74	57.27	39.8	19.53	61.96	200	356	P	V
		10600	46.01	-7.99	54	48.64	39.8	19.53	61.96	200	356	A	V
		15900	46.07	-27.93	74	45.04	37.5	23.49	59.96	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	49.67	-24.33	74	52.22	39.8	19.55	61.9	100	0	P	H
		15960	46.95	-27.05	74	45.96	37.32	23.53	59.86	100	0	P	H
													H
													H
		7088	61.44	-6.76	68.2	67.17	35.7	16.49	57.92	200	158	P	V
		10640	55.33	-18.67	74	57.88	39.8	19.55	61.9	200	356	P	V
		10640	46.46	-7.54	54	49.01	39.8	19.55	61.9	200	356	A	V
		15960	46.98	-27.02	74	45.99	37.32	23.53	59.86	100	0	P	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 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5120.02	54.17	-19.83	74	39.03	31.8	13.01	29.67	100	21	P	H
		5138.04	43.06	-10.94	54	27.9	31.8	13.03	29.67	100	21	A	H
	*	5260	100.32	-	-	85.51	31.28	13.22	29.69	100	21	P	H
	*	5260	93.28	-	-	78.47	31.28	13.22	29.69	100	21	A	H
		5417.28	53.79	-20.21	74	38.63	31.4	13.48	29.72	100	21	P	H
		5442.24	43.76	-10.24	54	28.42	31.55	13.51	29.72	100	21	A	H
		5144.84	54.95	-19.05	74	39.78	31.8	13.04	29.67	177	171	P	V
		5147.56	45.58	-8.42	54	30.41	31.8	13.04	29.67	177	171	A	V
	*	5260	114.68	-	-	99.87	31.28	13.22	29.69	177	171	P	V
	*	5260	107.34	-	-	92.53	31.28	13.22	29.69	177	171	A	V
		5421.36	61.29	-12.71	74	46.09	31.43	13.49	29.72	177	171	P	V
		5442.96	51.32	-2.68	54	35.97	31.56	13.51	29.72	177	171	A	V
802.11ac VHT20 CH 60 5300MHz		5060.18	53.2	-20.8	74	38.28	31.64	12.94	29.66	100	21	P	H
		5121.04	42.88	-11.12	54	27.74	31.8	13.01	29.67	100	21	A	H
	*	5300	101.66	-	-	86.87	31.2	13.29	29.7	100	21	P	H
	*	5300	94.5	-	-	79.71	31.2	13.29	29.7	100	21	A	H
		5459.52	53.92	-20.08	74	38.5	31.62	13.52	29.72	100	21	P	H
		5434.56	43.55	-10.45	54	28.26	31.51	13.5	29.72	100	21	A	H
		5025.16	55.55	-18.45	74	40.76	31.55	12.89	29.65	202	182	P	V
		5140.76	45.81	-8.19	54	30.64	31.8	13.04	29.67	202	182	A	V
	*	5300	115.17	-	-	100.38	31.2	13.29	29.7	202	182	P	V
	*	5300	107.72	-	-	92.93	31.2	13.29	29.7	202	182	A	V
		5428.8	61.51	-12.49	74	46.27	31.47	13.49	29.72	202	182	P	V
		5452.08	51.97	-2.03	54	36.58	31.6	13.51	29.72	202	182	A	V



WIFI Ant. 0+1	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 64 5320MHz	*	5320	100.8	-	-	86.01	31.16	13.33	29.7	110	19	P	H
	*	5320	93.81	-	-	79.02	31.16	13.33	29.7	110	19	A	H
		5454.72	54.01	-19.99	74	38.6	31.61	13.52	29.72	110	19	P	H
		5449.28	43.39	-10.61	54	28	31.6	13.51	29.72	110	19	A	H
													H
													H
	*	5320	114.78	-	-	99.99	31.16	13.33	29.7	201	183	P	V
	*	5320	107.44	-	-	92.65	31.16	13.33	29.7	201	183	A	V
		5440.48	59.69	-14.31	74	44.37	31.54	13.5	29.72	201	183	P	V
		5447.68	50.16	-3.84	54	34.78	31.59	13.51	29.72	201	183	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. 0+1	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	49.45	-18.75	68.2	52.23	39.8	19.49	62.07	100	0	P	H
		15780	46.68	-27.32	74	46.11	37.32	23.4	60.15	100	0	P	H
													H
													H
		7011	60.93	-7.27	68.2	67.07	35.24	16.52	57.9	200	160	P	V
		10520	54.74	-13.46	68.2	57.52	39.8	19.49	62.07	100	0	P	V
		15780	46.04	-27.96	74	45.47	37.32	23.4	60.15	100	0	P	V
													V
													V
802.11ac VHT20 CH 60 5300MHz		10600	49.29	-24.71	74	51.92	39.8	19.53	61.96	100	0	P	H
		15900	45.84	-28.16	74	44.81	37.5	23.49	59.96	100	0	P	H
													H
													H
		7066	60.45	-7.75	68.2	66.33	35.53	16.5	57.91	150	166	P	V
		10600	54.42	-19.58	74	57.05	39.8	19.53	61.96	174	346	P	V
		10600	45.82	-8.18	54	48.45	39.8	19.53	61.96	174	346	A	V
		15900	46.72	-27.28	74	45.69	37.5	23.49	59.96	100	0	P	V
													V
802.11ac VHT20 CH 64 5320MHz		10640	49.68	-24.32	74	52.23	39.8	19.55	61.9	100	0	P	H
		15960	46.42	-27.58	74	45.43	37.32	23.53	59.86	100	0	P	H
													H
													H
		7088	60.75	-7.45	68.2	66.48	35.7	16.49	57.92	200	166	P	V
		10640	53.84	-20.16	74	56.39	39.8	19.55	61.9	100	0	P	V
		10640	44.16	-9.84	54	46.71	39.8	19.55	61.9	100	0	A	V
		15960	47.41	-26.59	74	46.42	37.32	23.53	59.86	100	0	P	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5110.16	54.36	-19.64	74	39.23	31.8	13	29.67	105	20	P	H
		5127.84	44.24	-9.76	54	29.09	31.8	13.02	29.67	105	20	A	H
	*	5270	101.65	-	-	86.84	31.26	13.24	29.69	105	20	P	H
	*	5270	94.42	-	-	79.61	31.26	13.24	29.69	105	20	A	H
		5427.84	52.98	-21.02	74	37.74	31.47	13.49	29.72	105	20	P	H
		5438.88	44.14	-9.86	54	28.83	31.53	13.5	29.72	105	20	A	H
		5148.58	54	-20	74	38.82	31.8	13.05	29.67	172	170	P	V
		5145.86	45.04	-8.96	54	29.87	31.8	13.04	29.67	172	170	A	V
	*	5270	116.14	-	-	101.33	31.26	13.24	29.69	172	170	P	V
	*	5270	108.57	-	-	93.76	31.26	13.24	29.69	172	170	A	V
		5397.84	60.26	-13.74	74	45.21	31.29	13.47	29.71	172	170	P	V
		5447.28	50.67	-3.33	54	35.3	31.58	13.51	29.72	172	170	A	V
802.11ac VHT40 CH 62 5310MHz		5035.02	52.88	-21.12	74	38.07	31.57	12.9	29.66	107	20	P	H
		5071.74	43.66	-10.34	54	28.68	31.69	12.95	29.66	107	20	A	H
	*	5310	96.24	-	-	81.45	31.18	13.31	29.7	107	20	P	H
	*	5310	88.84	-	-	74.05	31.18	13.31	29.7	107	20	A	H
		5377.68	53.95	-20.05	74	39.02	31.21	13.43	29.71	107	20	P	H
		5429.52	44.3	-9.7	54	29.04	31.48	13.5	29.72	107	20	A	H
		5149.26	54.4	-19.6	74	39.22	31.8	13.05	29.67	200	169	P	V
		5145.86	45.76	-8.24	54	30.59	31.8	13.04	29.67	200	169	A	V
	*	5310	109.49	-	-	94.7	31.18	13.31	29.7	200	169	P	V
	*	5310	102.68	-	-	87.89	31.18	13.31	29.7	200	169	A	V
		5433.36	60.72	-13.28	74	45.44	31.5	13.5	29.72	200	169	P	V
		5350.56	52.13	-1.87	54	37.36	31.1	13.38	29.71	200	169	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. 0+1	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	49.57	-18.63	68.2	52.31	39.8	19.5	62.04	100	0	P	H
		15810	46.21	-27.79	74	45.57	37.32	23.42	60.1	100	0	P	H
													H
													H
		7022	60.09	-8.11	68.2	66.18	35.29	16.52	57.9	200	167	P	V
		10540	57.87	-10.33	68.2	60.61	39.8	19.5	62.04	176	22	P	V
		10540	49.27	-4.73	54	52.01	39.8	19.5	62.04	176	22	A	V
		15810	46.41	-27.59	74	45.77	37.32	23.42	60.1	100	0	P	V
													V
													V
802.11ac VHT40 CH 62 5310MHz		10620	49	-25	74	51.59	39.8	19.54	61.93	100	0	P	H
		15930	47.33	-26.67	74	46.32	37.41	23.51	59.91	100	0	P	H
													H
													H
		7077	60.42	-7.78	68.2	66.23	35.62	16.49	57.92	200	166	P	V
		10620	49.77	-24.23	74	52.36	39.8	19.54	61.93	100	0	P	V
		15930	46.81	-27.19	74	45.8	37.41	23.51	59.91	100	0	P	V
													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 VHT80 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5137.36	53.14	-20.86	74	37.98	31.8	13.03	29.67	100	21	P	H
		5148.92	44.62	-9.38	54	29.44	31.8	13.05	29.67	100	21	A	H
	*	5290	89.1	-	-	74.31	31.22	13.27	29.7	100	21	P	H
	*	5290	79.64	-	-	64.85	31.22	13.27	29.7	100	21	A	H
		5376.96	53.56	-20.44	74	38.63	31.21	13.43	29.71	100	21	P	H
		5456.16	44.59	-9.41	54	29.18	31.61	13.52	29.72	100	21	A	H
		5112.54	54.52	-19.48	74	39.39	31.8	13	29.67	189	170	P	V
		5146.2	45.31	-8.69	54	30.14	31.8	13.04	29.67	189	170	A	V
	*	5290	100.67	-	-	85.88	31.22	13.27	29.7	189	170	P	V
	*	5290	93.31	-	-	78.52	31.22	13.27	29.7	189	170	A	V
		5350.56	61.96	-12.04	74	47.19	31.1	13.38	29.71	189	170	P	V
		5350.32	52.8	-1.2	54	38.03	31.1	13.38	29.71	189	170	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)

WIFI Ant. 0+1	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		10580	49.13	-19.07	68.2	51.77	39.8	19.55	61.99	100	0	P	H
		15870	46.89	-27.11	74	46.14	37.44	23.32	60.01	100	0	P	H
													H
													H
		7053	60.17	-8.03	68.2	66.39	35.42	16.27	57.91	171	164	P	V
		10580	50.58	-17.62	68.2	53.22	39.8	19.55	61.99	100	0	P	V
		15870	47.12	-26.88	74	46.37	37.44	23.32	60.01	100	0	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 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5368.56	53.45	-20.55	74	38.58	31.17	13.41	29.71	298	23	P	H
		5461.04	52.57	-15.63	68.2	37.15	31.62	13.52	29.72	298	23	P	H
		5446.8	43.59	-10.41	54	28.22	31.58	13.51	29.72	298	23	A	H
	*	5500	103.45	-	-	87.92	31.7	13.56	29.73	298	23	P	H
	*	5500	95.35	-	-	79.82	31.7	13.56	29.73	298	23	A	H
													H
		5452.88	60.25	-13.75	74	44.85	31.61	13.51	29.72	187	178	P	V
		5468.4	62.38	-5.82	68.2	46.93	31.64	13.53	29.72	187	178	P	V
		5459.44	51.22	-2.78	54	35.8	31.62	13.52	29.72	187	178	A	V
	*	5500	117.76	-	-	102.23	31.7	13.56	29.73	187	178	P	V
	*	5500	110.1	-	-	94.57	31.7	13.56	29.73	187	178	A	V
													V
802.11a CH 116 5580MHz		5451.76	53.59	-20.41	74	38.2	31.6	13.51	29.72	101	20	P	H
		5465.92	54.19	-14.01	68.2	38.75	31.63	13.53	29.72	101	20	P	H
		5422.96	43.59	-10.41	54	28.38	31.44	13.49	29.72	101	20	A	H
	*	5580	104.38	-	-	88.86	31.66	13.62	29.76	101	20	P	H
	*	5580	96.27	-	-	80.75	31.66	13.62	29.76	101	20	A	H
		5757.44	54.19	-14.01	68.2	38.24	32	13.78	29.83	101	20	P	H
		5453.44	60.94	-13.06	74	45.53	31.61	13.52	29.72	198	176	P	V
		5462.32	61.31	-6.89	68.2	45.89	31.62	13.52	29.72	198	176	P	V
		5455.6	51.74	-2.26	54	36.33	31.61	13.52	29.72	198	176	A	V
	*	5580	118.2	-	-	102.68	31.66	13.62	29.76	198	176	P	V
	*	5580	111.03	-	-	95.51	31.66	13.62	29.76	198	176	A	V
		5741.375	55.55	-12.65	68.2	39.65	31.95	13.77	29.82	198	176	P	V



WIFI Ant. 0+1	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 140 5700MHz	*	5700	94.94	-	-	79.32	31.7	13.73	29.81	100	20	P	H
	*	5700	87.43	-	-	71.81	31.7	13.73	29.81	100	20	A	H
		5763.4	53.93	-14.27	68.2	37.97	32	13.79	29.83	100	20	P	H
													H
													H
													H
		5460	60.11	-13.89	74	44.69	31.62	13.52	29.72	185	189	P	V
		5460	50.96	-3.04	54	35.54	31.62	13.52	29.72	185	189	A	V
	*	5700	110.08	-	-	94.46	31.7	13.73	29.81	176	182	P	V
	*	5700	102.73	-	-	87.11	31.7	13.73	29.81	176	182	A	V
		5739	55.89	-12.31	68.2	40.01	31.93	13.77	29.82	176	182	P	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. 0+1	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	49.07	-24.93	74	50.73	40.1	19.64	61.4	100	0	P	H
		16500	52.73	-15.47	68.2	49.05	39	24.28	59.6	100	0	P	H
													H
													H
		7333	54.49	-19.51	74	59.24	36.47	16.75	57.97	201	152	P	V
		7333	51.32	-2.68	54	56.07	36.47	16.75	57.97	201	152	A	V
		11000	59.92	-14.08	74	61.58	40.1	19.64	61.4	190	8	P	V
		11000	49.49	-4.51	54	51.15	40.1	19.64	61.4	190	8	A	V
		16500	51.26	-16.94	68.2	47.58	39	24.28	59.6	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	49.42	-24.58	74	50.87	39.82	19.87	61.14	100	0	P	H
		16740	50.45	-17.75	68.2	45.43	39.74	24.69	59.41	100	0	P	H
													H
													H
		11160	56.9	-17.1	74	58.35	39.82	19.87	61.14	165	13	P	V
		11160	48.06	-5.94	54	49.51	39.82	19.87	61.14	165	13	A	V
		16740	49.94	-18.26	68.2	44.92	39.74	24.69	59.41	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	49.72	-24.28	74	50.44	40	20.04	60.76	100	0	P	H
		17100	51.41	-16.79	68.2	44.74	40.4	25.11	58.84	100	0	P	H
													H
													H
		11400	49.71	-24.29	74	50.43	40	20.04	60.76	100	0	P	V
		17100	51.47	-16.73	68.2	44.8	40.4	25.11	58.84	100	0	P	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 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5385.84	54.48	-19.52	74	39.51	31.24	13.44	29.71	101	19	P	H
		5467.6	53.83	-14.37	68.2	38.38	31.64	13.53	29.72	101	19	P	H
		5451.6	43.44	-10.56	54	28.05	31.6	13.51	29.72	101	19	A	H
	*	5500	103.23	-	-	87.7	31.7	13.56	29.73	101	19	P	H
	*	5500	95.58	-	-	80.05	31.7	13.56	29.73	101	19	A	H
													H
		5459.12	60.53	-13.47	74	45.11	31.62	13.52	29.72	181	181	P	V
		5469.68	62.62	-5.58	68.2	47.18	31.64	13.53	29.73	181	181	P	V
		5459.6	50.21	-3.79	54	34.79	31.62	13.52	29.72	181	181	A	V
	*	5500	117.31	-	-	101.78	31.7	13.56	29.73	181	181	P	V
	*	5500	109.62	-	-	94.09	31.7	13.56	29.73	181	181	A	V
													V
802.11ac VHT20 CH 116 5580MHz		5455.12	53.97	-20.03	74	38.56	31.61	13.52	29.72	102	19	P	H
		5468.08	53.29	-14.91	68.2	37.84	31.64	13.53	29.72	102	19	P	H
		5422.96	43.86	-10.14	54	28.65	31.44	13.49	29.72	102	19	A	H
	*	5580	103.57	-	-	88.05	31.66	13.62	29.76	102	19	P	H
	*	5580	95.91	-	-	80.39	31.66	13.62	29.76	102	19	A	H
		5739.17	53.53	-14.67	68.2	37.64	31.94	13.77	29.82	102	19	P	H
		5434.96	60.27	-13.73	74	44.98	31.51	13.5	29.72	163	176	P	V
		5470	59.36	-8.84	68.2	43.92	31.64	13.53	29.73	163	176	P	V
		5441.68	51.32	-2.68	54	35.98	31.55	13.51	29.72	163	176	A	V
	*	5580	118.04	-	-	102.52	31.66	13.62	29.76	163	176	P	V
	*	5580	110.43	-	-	94.91	31.66	13.62	29.76	163	176	A	V
		5728.145	55.42	-12.78	68.2	39.61	31.87	13.76	29.82	163	176	P	V



WIFI Ant. 0+1	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 140 5700MHz	*	5700	94.81	-	-	79.19	31.7	13.73	29.81	106	21	P	H
	*	5700	87.31	-	-	71.69	31.7	13.73	29.81	106	21	A	H
		5732.28	54.58	-13.62	68.2	38.75	31.89	13.76	29.82	106	21	P	H
													H
													H
													H
		5460	60.71	-13.29	74	45.29	31.62	13.52	29.72	199	197	P	V
		5460	50.8	-3.2	54	35.38	31.62	13.52	29.72	199	197	A	V
	*	5700	110.39	-	-	94.77	31.7	13.73	29.81	191	180	P	V
	*	5700	102.5	-	-	86.88	31.7	13.73	29.81	191	180	A	V
		5726.92	55.95	-12.25	68.2	40.16	31.86	13.75	29.82	191	180	P	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. 0+1	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	49.81	-24.19	74	51.47	40.1	19.64	61.4	100	0	P	H
		16500	49.08	-19.12	68.2	45.4	39	24.28	59.6	100	0	P	H
													H
													H
		7333	52.9	-21.1	74	57.65	36.47	16.75	57.97	213	152	P	V
		7333	47.77	-6.23	54	52.52	36.47	16.75	57.97	213	152	A	V
		11000	56.47	-17.53	74	58.13	40.1	19.64	61.4	183	12	P	V
		11000	46.57	-7.43	54	48.23	40.1	19.64	61.4	183	12	A	V
		16500	49.08	-19.12	68.2	45.4	39	24.28	59.6	100	0	P	V
													V
802.11ac VHT20 CH 116 5580MHz		11160	48.68	-25.32	74	50.29	39.82	19.71	61.14	100	0	P	H
		16740	49.99	-18.21	68.2	44.98	39.74	24.68	59.41	100	0	P	H
													H
													H
		11160	56.04	-17.96	74	57.65	39.82	19.71	61.14	189	6	P	V
		11160	45.96	-8.04	54	47.57	39.82	19.71	61.14	189	6	A	V
		16740	49.97	-18.23	68.2	44.96	39.74	24.68	59.41	100	0	P	V
													V
													V
													V
802.11ac VHT20 CH 140 5700MHz		11400	49.82	-24.18	74	50.79	40	19.79	60.76	100	0	P	H
		17100	50.59	-17.61	68.2	43.88	40.4	25.15	58.84	100	0	P	H
													H
													H
		11400	49.38	-24.62	74	50.35	40	19.79	60.76	100	0	P	V
		17100	51.03	-17.17	68.2	44.32	40.4	25.15	58.84	100	0	P	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5414.08	54.75	-19.25	74	39.61	31.38	13.48	29.72	100	21	P	H
		5461.12	55.39	-12.81	68.2	39.97	31.62	13.52	29.72	100	21	P	H
		5458.72	45.58	-8.42	54	30.16	31.62	13.52	29.72	100	21	A	H
	*	5510	100.13	-	-	84.62	31.68	13.56	29.73	100	21	P	H
	*	5510	92.64	-	-	77.13	31.68	13.56	29.73	100	21	A	H
		5742.005	54.98	-13.22	68.2	39.08	31.95	13.77	29.82	100	21	P	H
		5455.6	61.72	-12.28	74	46.31	31.61	13.52	29.72	189	184	P	V
		5469.76	65.37	-2.83	68.2	49.93	31.64	13.53	29.73	189	184	P	V
		5456.32	52.92	-1.08	54	37.51	31.61	13.52	29.72	189	184	A	V
	*	5510	113.64	-	-	98.13	31.68	13.56	29.73	189	184	P	V
	*	5510	106.36	-	-	90.85	31.68	13.56	29.73	189	184	A	V
		5744.84	55.91	-12.29	68.2	39.99	31.97	13.77	29.82	189	184	P	V
802.11ac VHT40 CH 110 5550MHz		5405.2	54.84	-19.16	74	39.75	31.33	13.47	29.71	100	21	P	H
		5462.56	56.09	-12.11	68.2	40.66	31.63	13.52	29.72	100	21	P	H
		5458.72	45.22	-8.78	54	29.8	31.62	13.52	29.72	100	21	A	H
	*	5550	101.21	-	-	85.76	31.6	13.6	29.75	100	21	P	H
	*	5550	94.06	-	-	78.61	31.6	13.6	29.75	100	21	A	H
		5755.235	55.25	-12.95	68.2	39.3	32	13.78	29.83	100	21	P	H
		5426.56	60.83	-13.17	74	45.6	31.46	13.49	29.72	173	178	P	V
		5469.76	59.86	-8.34	68.2	44.42	31.64	13.53	29.73	173	178	P	V
		5439.04	50.55	-3.45	54	35.24	31.53	13.5	29.72	173	178	A	V
	*	5550	115.18	-	-	99.73	31.6	13.6	29.75	173	178	P	V
	*	5550	108.17	-	-	92.72	31.6	13.6	29.75	173	178	A	V
		5739.485	55.92	-12.28	68.2	40.03	31.94	13.77	29.82	173	178	P	V



WIFI Ant. 0+1	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 134 5670MHz		5421.05	53.99	-20.01	74	38.79	31.43	13.49	29.72	100	341	P	H
		5465.85	54.48	-13.72	68.2	39.04	31.63	13.53	29.72	100	341	P	H
		5456.05	44.43	-9.57	54	29.02	31.61	13.52	29.72	100	341	A	H
	*	5670	98.05	-	-	82.5	31.64	13.7	29.79	100	341	P	H
	*	5670	90.67	-	-	75.12	31.64	13.7	29.79	100	341	A	H
		5734.375	53.33	-14.87	68.2	37.48	31.91	13.76	29.82	100	341	P	H
		5443.1	60.67	-13.33	74	45.32	31.56	13.51	29.72	197	181	P	V
		5467.6	59.7	-8.5	68.2	44.25	31.64	13.53	29.72	197	181	P	V
		5458.85	50.78	-3.22	54	35.36	31.62	13.52	29.72	197	181	A	V
	*	5670	113.68	-	-	98.13	31.64	13.7	29.79	197	181	P	V
	*	5670	106.24	-	-	90.69	31.64	13.7	29.79	197	181	A	V
		5730.35	55.18	-13.02	68.2	39.36	31.88	13.76	29.82	197	181	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. 0+1	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	49.5	-24.5	74	51.15	40.08	19.64	61.37	100	0	P	H
		16530	49.55	-18.65	68.2	45.69	39.12	24.32	59.58	100	0	P	H
													H
													H
		7346	52.64	-21.36	74	57.34	36.49	16.78	57.97	193	155	P	V
		7346	48.08	-5.92	54	52.78	36.49	16.78	57.97	193	155	A	V
		11020	54.5	-19.5	74	56.15	40.08	19.64	61.37	168	12	P	V
		11020	45.11	-8.89	54	46.76	40.08	19.64	61.37	168	12	A	V
		16530	49.79	-18.41	68.2	45.93	39.12	24.32	59.58	100	0	P	V
													V
802.11ac VHT40 CH 110 5550MHz		11100	49.62	-24.38	74	51.18	40	19.68	61.24	100	0	P	H
		16650	49.34	-18.86	68.2	44.85	39.45	24.52	59.48	100	0	P	H
													H
													H
		11100	56.95	-17.05	74	58.51	40	19.68	61.24	185	8	P	V
		11100	47.36	-6.64	54	48.92	40	19.68	61.24	185	8	A	V
		16650	49.51	-18.69	68.2	45.02	39.45	24.52	59.48	100	0	P	V
													V
													V
													V
802.11ac VHT40 CH 134 5670MHz		11340	49.28	-24.72	74	50.55	39.82	19.77	60.86	100	0	P	H
		17010	52.49	-15.71	68.2	46.05	40.49	25.11	59.16	100	0	P	H
													H
													H
		11340	49.84	-24.16	74	51.11	39.82	19.77	60.86	100	0	P	V
		17010	51.64	-16.56	68.2	45.2	40.49	25.11	59.16	100	0	P	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 VHT80 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5436.4	52.88	-21.12	74	37.58	31.52	13.5	29.72	100	20	P	H
		5460.64	53.65	-14.55	68.2	38.23	31.62	13.52	29.72	100	20	P	H
		5454.88	43.98	-10.02	54	28.57	31.61	13.52	29.72	100	20	A	H
	*	5530	92.14	-	-	76.66	31.64	13.58	29.74	100	20	P	H
	*	5530	83.07	-	-	67.59	31.64	13.58	29.74	100	20	A	H
		5763.74	54.3	-13.9	68.2	38.34	32	13.79	29.83	100	20	P	H
		5458.96	59.6	-14.4	74	44.18	31.62	13.52	29.72	200	180	P	V
		5466.16	63.18	-5.02	68.2	47.74	31.63	13.53	29.72	200	180	P	V
		5459.92	51.76	-2.24	54	36.34	31.62	13.52	29.72	200	180	A	V
	*	5530	113.26	-	-	97.78	31.64	13.58	29.74	200	180	P	V
	*	5530	103.99	-	-	88.51	31.64	13.58	29.74	200	180	A	V
		5755.55	54.6	-13.6	68.2	38.65	32	13.78	29.83	200	180	P	V
802.11ac VHT80 CH 122 5610MHz		5410.55	53.05	-20.95	74	37.93	31.36	13.48	29.72	100	20	P	H
		5469.7	52.7	-15.5	68.2	37.26	31.64	13.53	29.73	100	20	P	H
		5427.35	44.13	-9.87	54	28.9	31.46	13.49	29.72	100	20	A	H
	*	5610	96.76	-	-	81.2	31.68	13.65	29.77	100	20	P	H
	*	5610	89.17	-	-	73.61	31.68	13.65	29.77	100	20	A	H
		5745.575	53.72	-14.48	68.2	37.8	31.97	13.77	29.82	100	20	P	H
		5449.05	57.97	-16.03	74	42.59	31.59	13.51	29.72	198	181	P	V
		5463.75	58.45	-9.75	68.2	43.02	31.63	13.52	29.72	198	181	P	V
		5456.05	50.29	-3.71	54	34.88	31.61	13.52	29.72	198	181	A	V
	*	5610	111.38	-	-	95.82	31.68	13.65	29.77	198	181	P	V
	*	5610	103.5	-	-	87.94	31.68	13.65	29.77	198	181	A	V
		5732.1	55.82	-12.38	68.2	39.99	31.89	13.76	29.82	198	181	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. 0+1	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	49.75	-24.25	74	51.35	40.04	19.66	61.3	100	0	P	H
		16590	48.99	-19.21	68.2	44.74	39.36	24.42	59.53	100	0	P	H
													H
													H
		11060	49.52	-24.48	74	51.12	40.04	19.66	61.3	100	0	P	V
		16590	49.47	-18.73	68.2	45.22	39.36	24.42	59.53	100	0	P	V
													V
													V
802.11ac VHT80 CH 122 5610MHz		11220	48.96	-25.04	74	50.58	39.7	19.73	61.05	100	0	P	H
		16830	50.55	-17.65	68.2	44.81	40.25	24.83	59.34	100	0	P	H
													H
													H
		11220	48.58	-25.42	74	50.2	39.7	19.73	61.05	100	0	P	V
		16830	50.26	-17.94	68.2	44.52	40.25	24.83	59.34	100	0	P	V
													V
													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 (Band Edge @ 3m)

WIFI Ant. 0+1	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 144 5720MHz		5399.92	54.09	-19.91	74	39.03	31.3	13.47	29.71	100	20	P	H
		5468.17	52.69	-15.51	68.2	37.24	31.64	13.53	29.72	100	20	P	H
		5425.66	43.81	-10.19	54	28.59	31.45	13.49	29.72	100	20	A	H
	*	5720	97.66	-	-	81.9	31.82	13.75	29.81	100	20	P	H
	*	5720	89.86	-	-	74.1	31.82	13.75	29.81	100	20	A	H
		5866	55.9	-12.3	68.2	39.83	32.13	13.81	29.87	100	20	P	H
		5445.94	61.46	-12.54	74	46.09	31.58	13.51	29.72	188	181	P	V
		5460	60.49	-7.71	68.2	45.07	31.62	13.52	29.72	188	181	P	V
		5436.58	52.77	-1.23	54	37.47	31.52	13.5	29.72	188	181	A	V
	*	5720	112.94	-	-	97.18	31.82	13.75	29.81	188	181	P	V
	*	5720	105.32	-	-	89.56	31.82	13.75	29.81	188	181	A	V
		5946.25	56.77	-11.43	68.2	40.57	32.29	13.81	29.9	188	181	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)

WIFI Ant. 0+1	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 144 5720MHz		11440	49.55	-24.45	74	50.48	39.96	19.81	60.7	100	0	P	H
		17160	51.32	-16.88	68.2	44.12	40.64	25.18	58.62	100	0	P	H
													H
													H
		11440	49.77	-24.23	74	50.7	39.96	19.81	60.7	100	0	P	V
		17160	50.94	-17.26	68.2	43.74	40.64	25.18	58.62	100	0	P	V
													V
													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 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5397.19	53.22	-20.78	74	38.18	31.29	13.46	29.71	143	28	P	H
		5465.83	53.76	-14.44	68.2	38.32	31.63	13.53	29.72	143	28	P	H
		5441.65	43.42	-10.58	54	28.08	31.55	13.51	29.72	143	28	A	H
	*	5720	94.48	-	-	78.72	31.82	13.75	29.81	143	28	P	H
	*	5720	87	-	-	71.24	31.82	13.75	29.81	143	28	A	H
		5904.5	54.26	-13.94	68.2	38.12	32.21	13.81	29.88	143	28	P	H
		5440.87	60.42	-13.58	74	45.09	31.55	13.5	29.72	200	178	P	V
		5469.34	60.15	-8.05	68.2	44.71	31.64	13.53	29.73	200	178	P	V
		5447.89	51.01	-2.99	54	35.63	31.59	13.51	29.72	200	178	A	V
	*	5720	111.59	-	-	95.83	31.82	13.75	29.81	200	178	P	V
	*	5720	103.4	-	-	87.64	31.82	13.75	29.81	200	178	A	V
		5895	54.98	-13.22	68.2	38.86	32.19	13.81	29.88	200	178	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)

WIFI Ant. 0+1	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		11440	49.35	-24.65	74	50.28	39.96	19.81	60.7	100	0	P	H
		17160	51.3	-16.9	68.2	44.1	40.64	25.18	58.62	100	0	P	H
													H
													H
		11440	49.78	-24.22	74	50.71	39.96	19.81	60.7	100	0	P	V
		17160	51.33	-16.87	68.2	44.13	40.64	25.18	58.62	100	0	P	V
													V
													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 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5451.4	52.98	-21.02	74	37.59	31.6	13.51	29.72	100	342	P	H
		5461.93	52.95	-15.25	68.2	37.53	31.62	13.52	29.72	100	342	P	H
		5416.3	44.31	-9.69	54	29.15	31.4	13.48	29.72	100	342	A	H
	*	5710	98.19	-	-	82.5	31.76	13.74	29.81	100	342	P	H
	*	5710	90.87	-	-	75.18	31.76	13.74	29.81	100	342	A	H
		5862	54.51	-13.69	68.2	38.45	32.12	13.81	29.87	100	342	P	H
		5455.3	60.63	-13.37	74	45.22	31.61	13.52	29.72	200	181	P	V
		5461.15	59.12	-9.08	68.2	43.7	31.62	13.52	29.72	200	181	P	V
		5459.2	51.03	-2.97	54	35.61	31.62	13.52	29.72	200	181	A	V
	*	5710	113.03	-	-	97.34	31.76	13.74	29.81	200	181	P	V
	*	5710	105.18	-	-	89.49	31.76	13.74	29.81	200	181	A	V
		5888	55.28	-12.92	68.2	39.17	32.18	13.81	29.88	200	181	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)

WIFI Ant. 0+1	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		11420	49.62	-24.38	74	50.56	39.98	19.81	60.73	100	0	P	H
		17130	51.33	-16.87	68.2	44.37	40.52	25.17	58.73	100	0	P	H
													H
													H
		11420	49.69	-24.31	74	50.63	39.98	19.81	60.73	100	0	P	V
		17130	50.93	-17.27	68.2	43.97	40.52	25.17	58.73	100	0	P	V
													V
													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 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5446.33	54.34	-19.66	74	38.97	31.58	13.51	29.72	100	21	P	H
		5466.61	53.54	-14.66	68.2	38.1	31.63	13.53	29.72	100	21	P	H
		5440.48	44.47	-9.53	54	29.15	31.54	13.5	29.72	100	21	A	H
	*	5690	97.49	-	-	81.89	31.68	13.72	29.8	100	21	P	H
	*	5690	89.33	-	-	73.73	31.68	13.72	29.8	100	21	A	H
		5928.25	55.75	-12.45	68.2	39.57	32.26	13.81	29.89	100	21	P	H
		5412.4	59.87	-14.13	74	44.74	31.37	13.48	29.72	196	177	P	V
		5469.34	60.03	-8.17	68.2	44.59	31.64	13.53	29.73	196	177	P	V
		5458.42	52.02	-1.98	54	36.6	31.62	13.52	29.72	196	177	A	V
	*	5690	112.34	-	-	96.74	31.68	13.72	29.8	196	177	P	V
	*	5690	104.47	-	-	88.87	31.68	13.72	29.8	196	177	A	V
		5889.75	55.17	-13.03	68.2	39.06	32.18	13.81	29.88	196	177	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)

WIFI Ant. 0+1	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		11380	48.37	-25.63	74	49.43	39.94	19.79	60.79	100	0	P	H
		17070	51.03	-17.17	68.2	44.41	40.43	25.14	58.95	100	0	P	H
													H
													H
		11380	49.45	-24.55	74	50.51	39.94	19.79	60.79	100	0	P	V
		17070	50.63	-17.57	68.2	44.01	40.43	25.14	58.95	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT40 LF		120.21	42.77	-0.73	43.5	55.77	17.54	1.73	32.27	287	255	Q	H
		199.75	39.02	-4.48	43.5	53.86	15.09	2.33	32.26	100	321	Q	H
		280.26	37.66	-8.34	46	48.24	18.88	2.81	32.27	-	-	P	H
		440.31	35.51	-10.49	46	41.23	23.13	3.57	32.42	-	-	P	H
		519.85	39.64	-6.36	46	44.01	24.08	3.92	32.37	-	-	P	H
		920.46	39.12	-6.88	46	35.39	29.75	5.38	31.4	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		120.21	37.13	-6.37	43.5	50.13	17.54	1.73	32.27	-	-	P	V
		199.75	36.03	-7.47	43.5	50.87	15.09	2.33	32.26	-	-	P	V
		280.26	34.55	-11.45	46	45.13	18.88	2.81	32.27	-	-	P	V
		440.31	37.09	-8.91	46	42.81	23.13	3.57	32.42	-	-	P	V
		519.85	39.76	-6.24	46	44.13	24.08	3.92	32.37	100	0	P	V
		600.36	35.64	-10.36	46	38.3	25.65	4.28	32.59	-	-	P	V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<Sample 2>

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 0+1	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		5416	53.77	-20.23	74	38.61	31.4	13.48	29.72	100	308	P	H
		5470	52.61	-15.59	68.2	37.17	31.64	13.53	29.73	100	308	P	H
		5452.96	43.63	-10.37	54	28.22	31.61	13.52	29.72	100	308	A	H
	*	5510	92.29	-	-	76.78	31.68	13.56	29.73	100	308	P	H
	*	5510	84.74	-	-	69.23	31.68	13.56	29.73	100	308	A	H
		5733.815	53.46	-14.74	68.2	37.62	31.9	13.76	29.82	100	308	P	H
		5458.72	57.01	-16.99	74	41.59	31.62	13.52	29.72	188	176	P	V
		5462.08	58.95	-9.25	68.2	43.53	31.62	13.52	29.72	188	176	P	V
		5459.92	48.34	-5.66	54	32.92	31.62	13.52	29.72	188	176	A	V
	*	5510	109.08	-	-	93.57	31.68	13.56	29.73	188	176	P	V
	*	5510	101.85	-	-	86.34	31.68	13.56	29.73	188	176	A	V
		5750.825	53.94	-14.26	68.2	37.99	32	13.78	29.83	188	176	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. 0+1	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	48.97	-25.03	74	50.62	40.08	19.64	61.37	100	0	P	H
		16530	49.24	-18.96	68.2	45.38	39.12	24.32	59.58	100	0	P	H
													H
													H
		11020	49.1	-24.9	74	50.75	40.08	19.64	61.37	100	0	P	V
		16530	49.23	-18.97	68.2	45.37	39.12	24.32	59.58	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

5GHz WIFI 802.11ac VHT40 (LF @ 3m)

WIFI Ant. 0+1	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)
5GHz 802.11ac VHT40 LF		199.75	33.9	-9.6	43.5	48.74	15.09	2.33	32.26	100	0	P	H
		359.8	34.77	-11.23	46	43.01	20.82	3.2	32.26	-	-	P	H
		440.31	37.22	-8.78	46	42.94	23.13	3.57	32.42	-	-	P	H
		519.85	35.93	-10.07	46	40.3	24.08	3.92	32.37	-	-	P	H
		600.36	35.58	-10.42	46	38.24	25.65	4.28	32.59	-	-	P	H
		947.62	33.26	-12.74	46	28.32	30.7	5.46	31.22	-	-	P	H
													H
													H
													H
													H
													H
													H
		199.75	35.25	-8.25	43.5	50.09	15.09	2.33	32.26	100	0	P	V
		440.31	34.43	-11.57	46	40.15	23.13	3.57	32.42	-	-	P	V
		519.85	36.58	-9.42	46	40.95	24.08	3.92	32.37	-	-	P	V
		600.36	33.9	-12.1	46	36.56	25.65	4.28	32.59	-	-	P	V
		679.9	31.67	-14.33	46	32.95	26.62	4.53	32.43	-	-	P	V
		954.41	33.74	-12.26	46	28.51	30.9	5.49	31.16	-	-	P	V
													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	P eak or A verage
H/V	H orizontal or V ertical



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.	
0+1		(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

Test Engineer :	Karl Hou and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

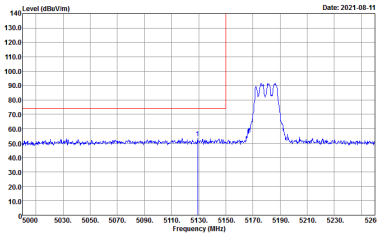
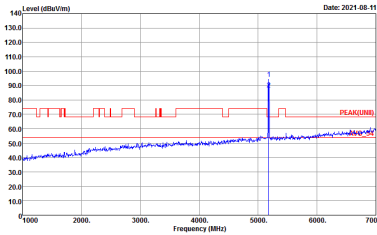
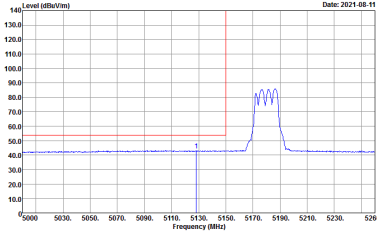
Note symbol

-L	Low channel location
-R	High channel location



<Sample 1>

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

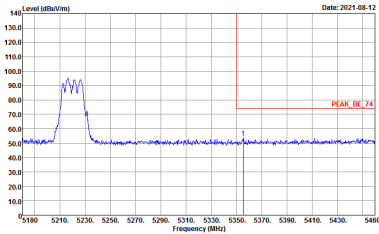
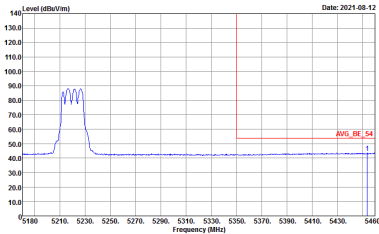


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

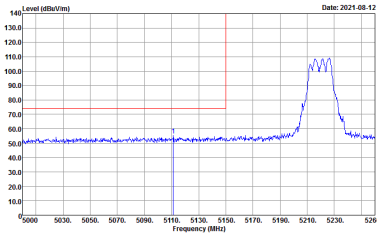
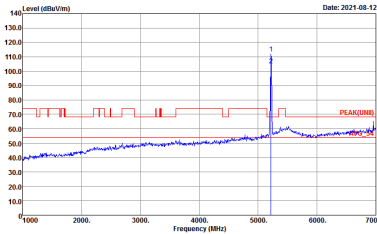
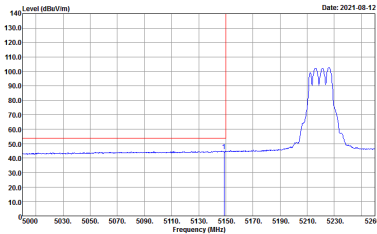


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(LINE1) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

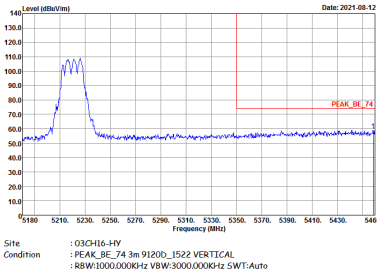
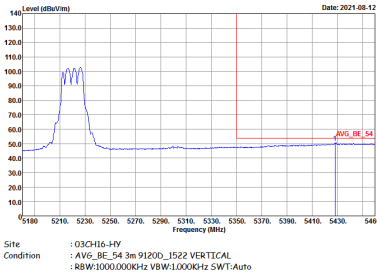


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

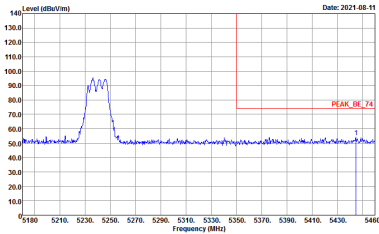
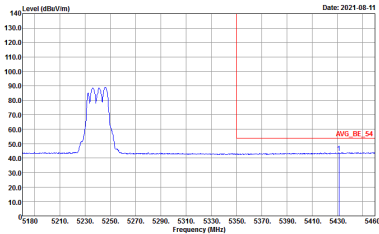


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

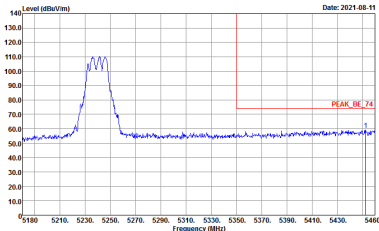
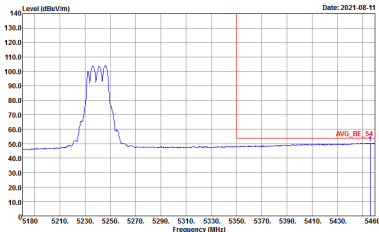


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



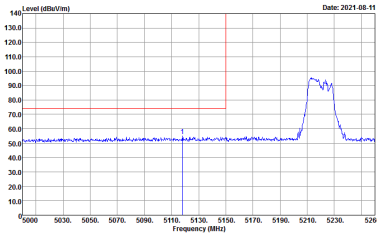
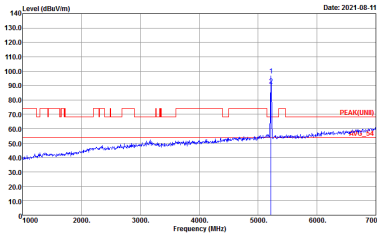
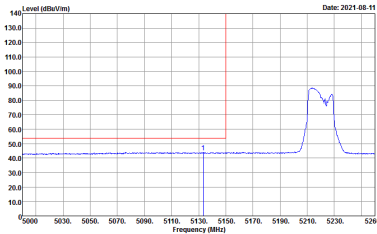
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

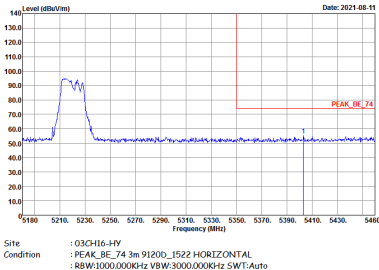
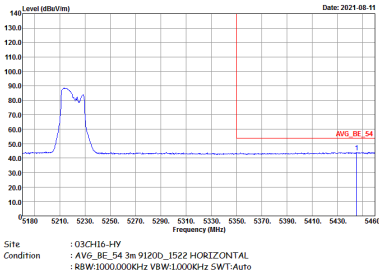


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

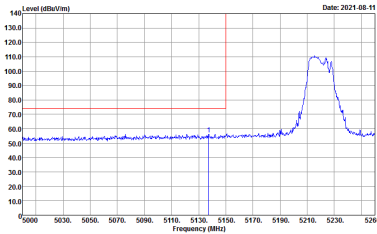
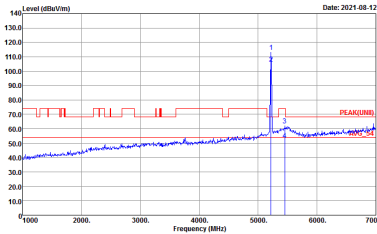
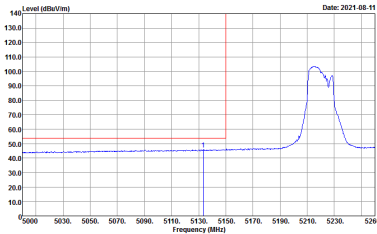


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

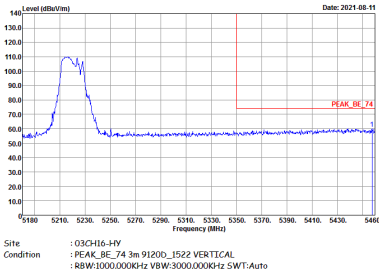
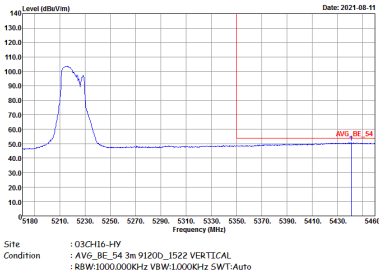


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:10000kHz SWT:Auto	Left blank

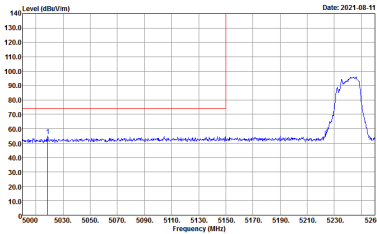
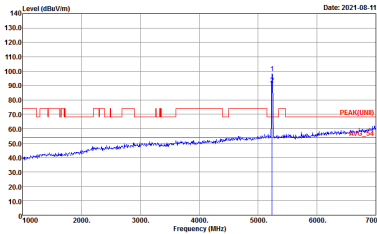
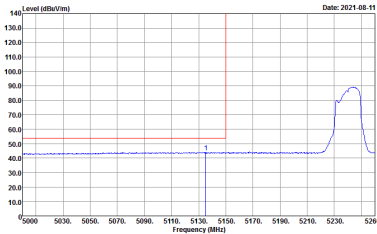


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

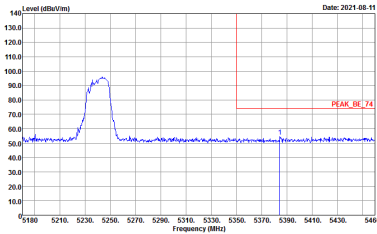
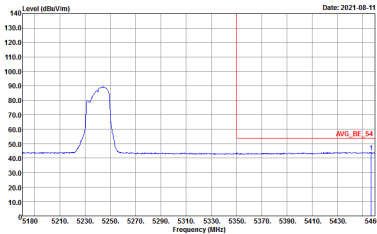


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

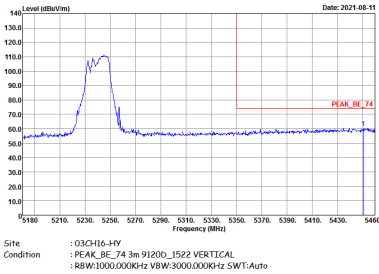
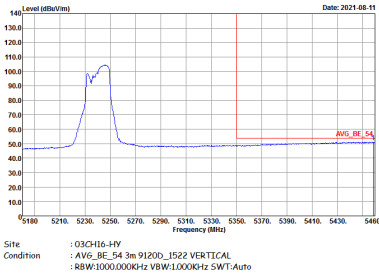


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



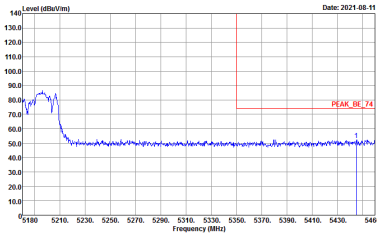
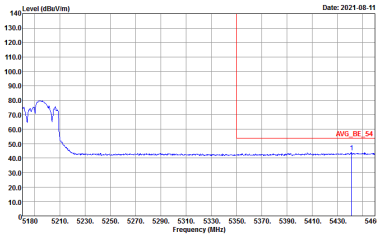
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	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	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

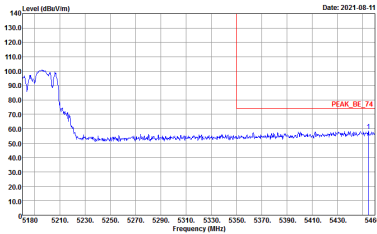
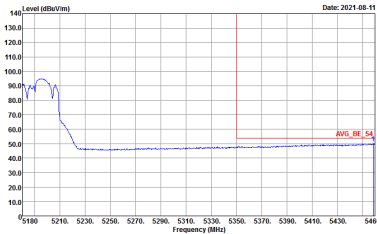


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

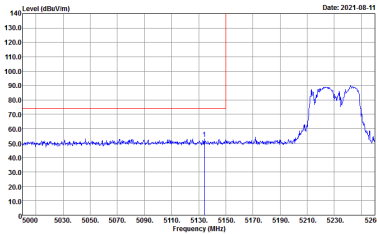
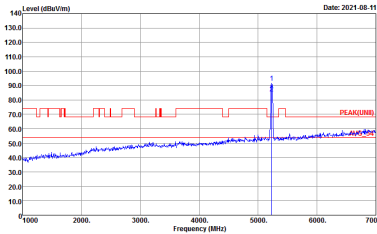
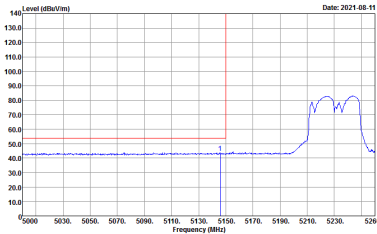


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

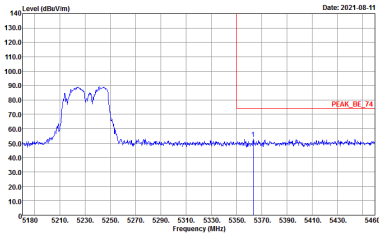
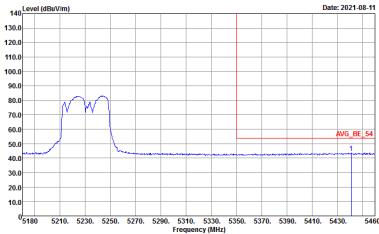


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

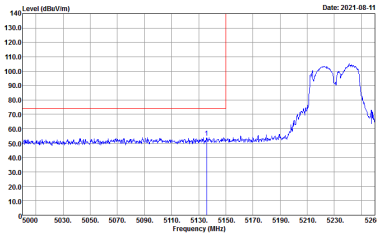
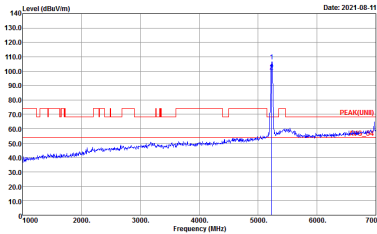
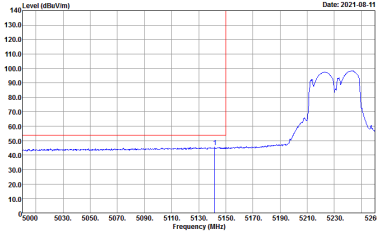


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



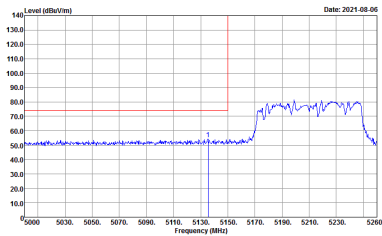
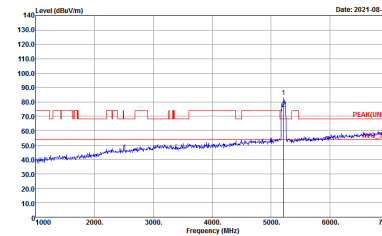
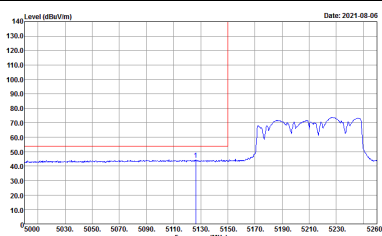
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



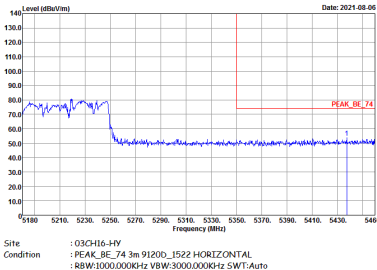
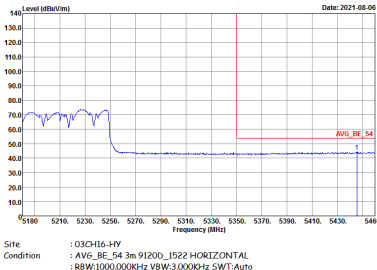
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	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	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

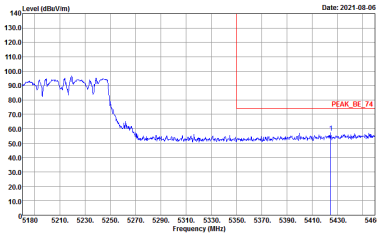
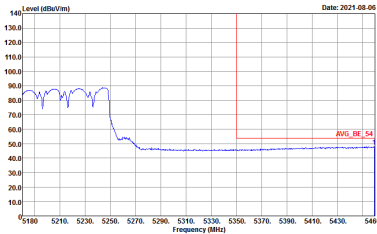


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

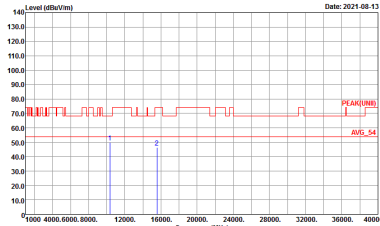
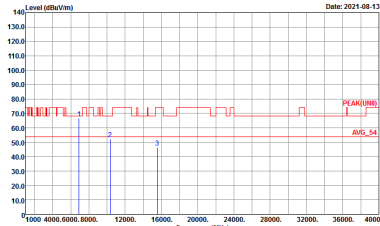


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



Band 1 - 5150~5250MHz

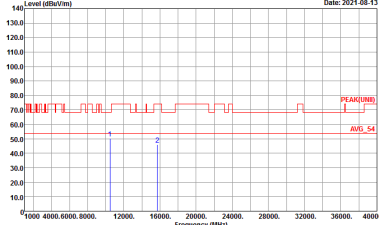
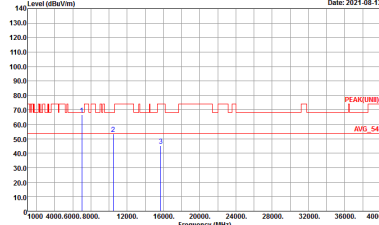
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL



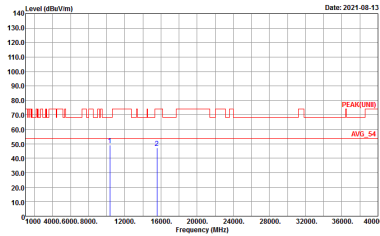
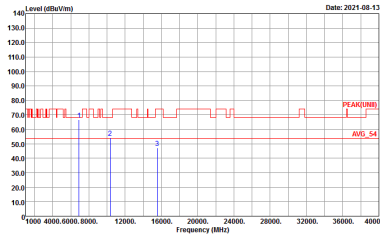
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.	Level (dBu/Vrms) Date: 2021-08-13 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	Level (dBu/Vrms) Date: 2021-08-13 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



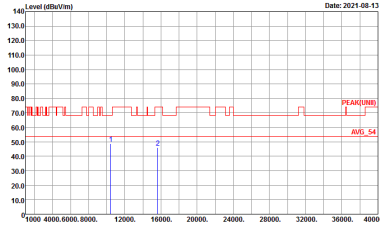
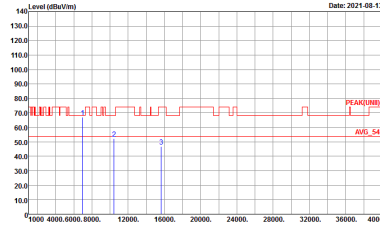
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



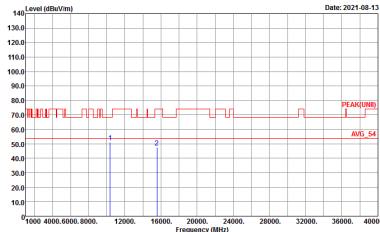
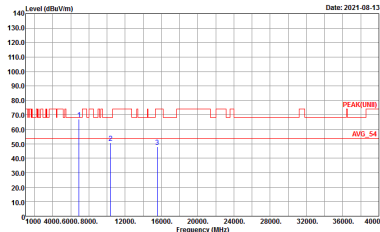
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL



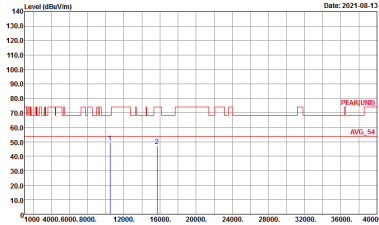
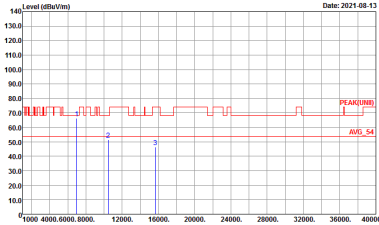
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.	Level (dBu/Vrms) Date: 2021-08-13 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	Level (dBu/Vrms) Date: 2021-08-13 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



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

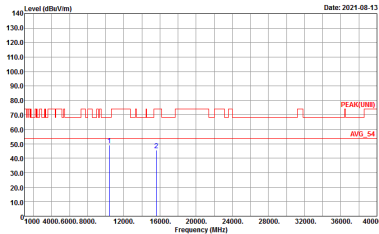
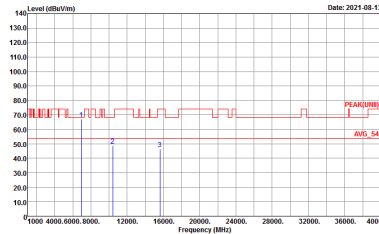
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL

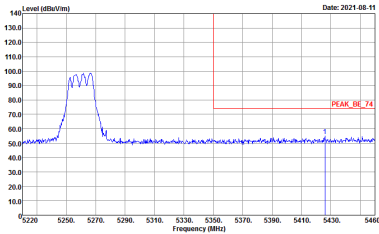
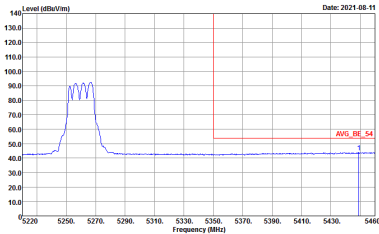


Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

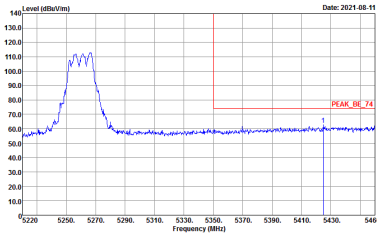
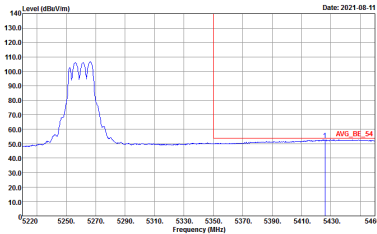


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(LINE1) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

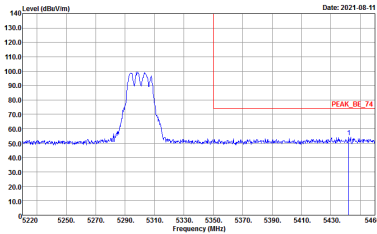
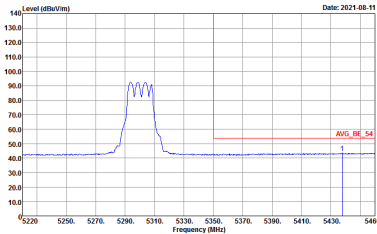


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

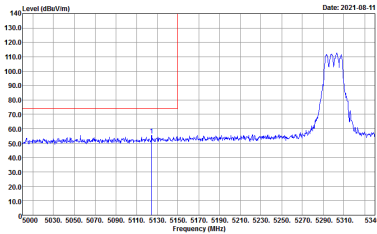
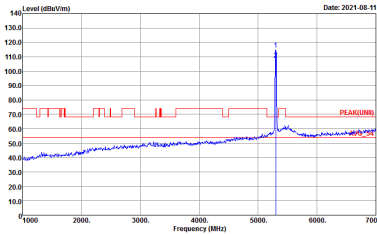
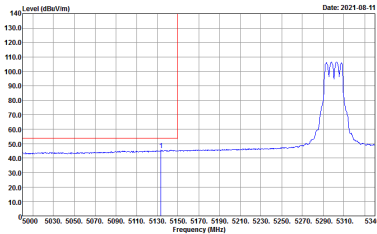


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

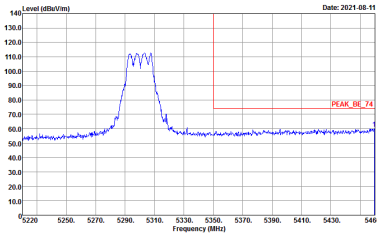
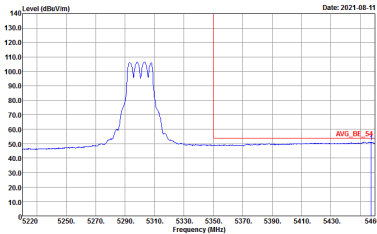


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-11	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Date: 2021-08-11	Left blank

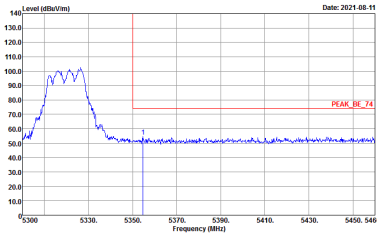
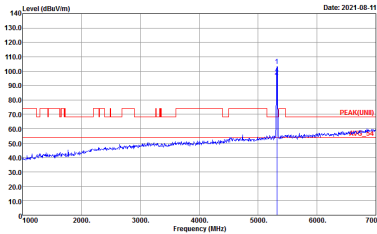
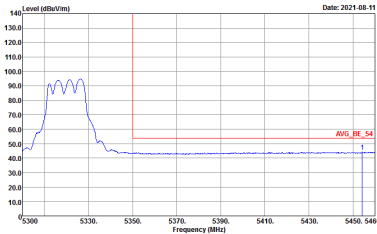


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

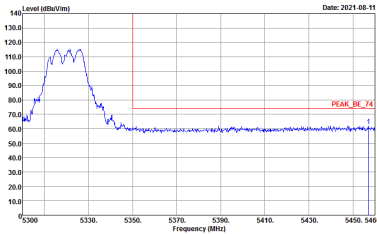
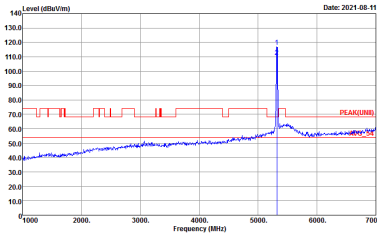
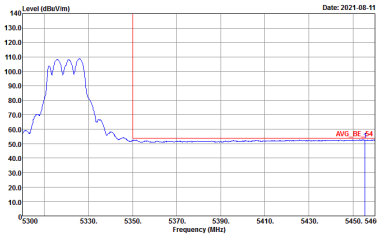


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



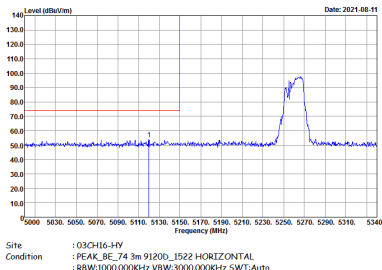
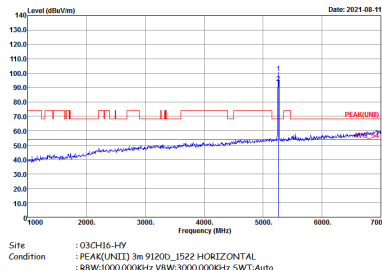
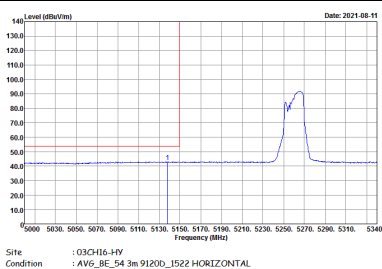
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : : PEAK(UWB) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



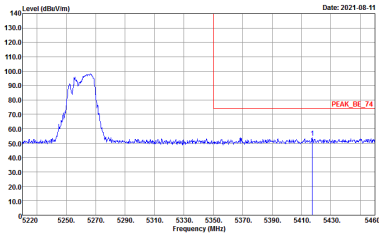
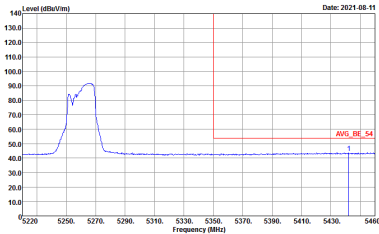
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : : PEAK(FUND) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH16-HY Condition : : AVG_BE_64 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



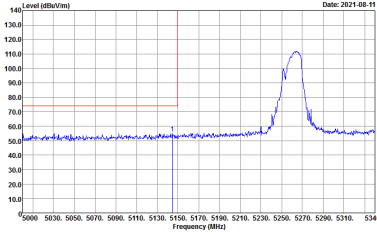
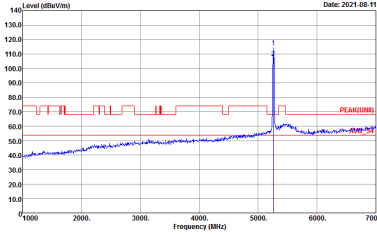
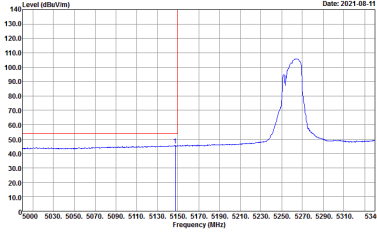
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

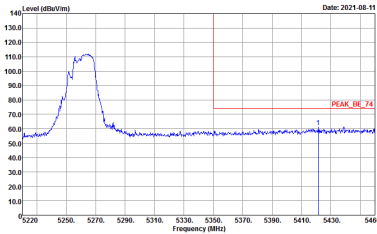
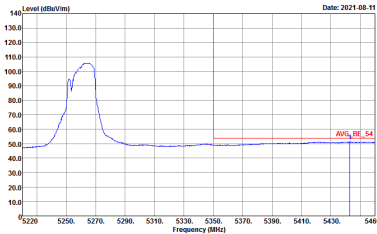


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

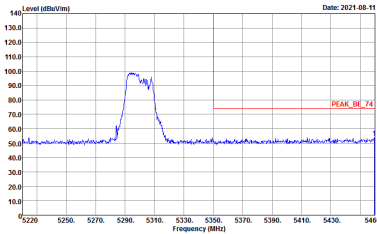
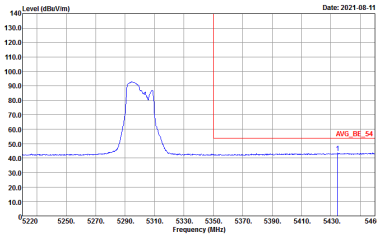


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto	Left blank

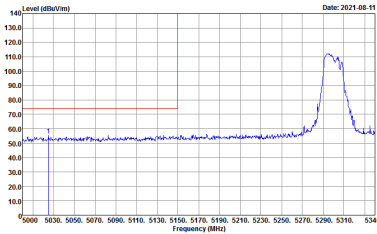
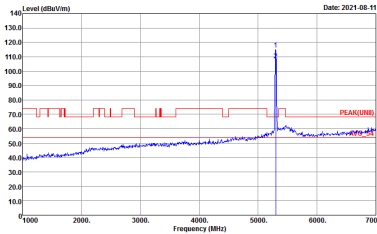
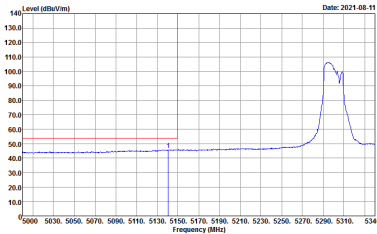


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

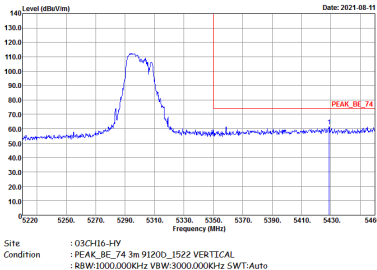
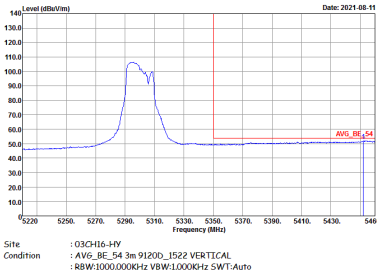


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

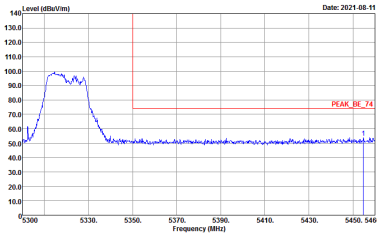
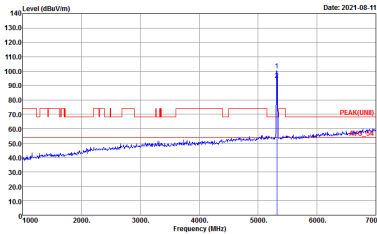
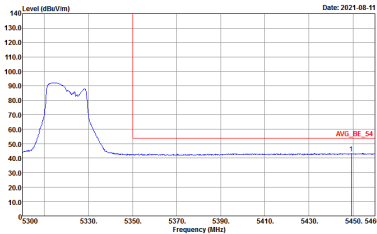


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(LINB) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

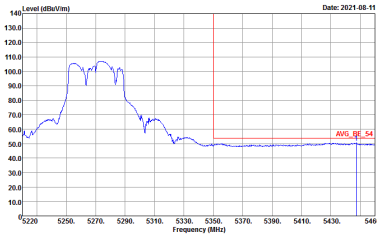


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

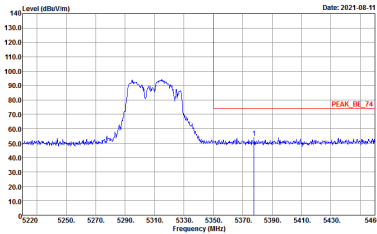
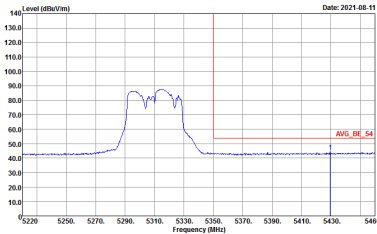


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

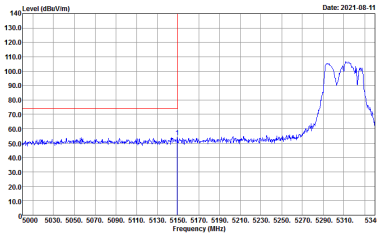
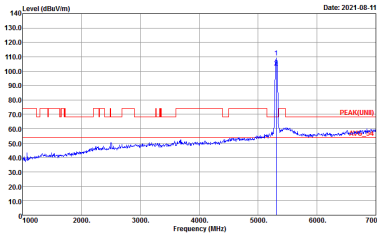
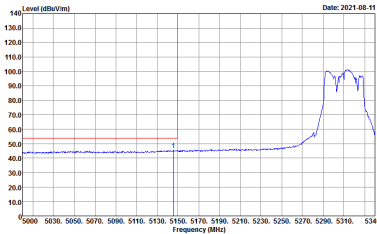


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

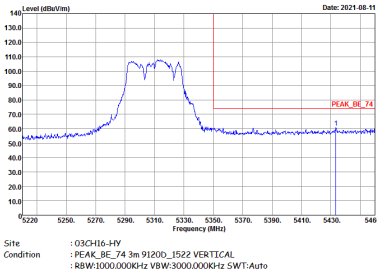
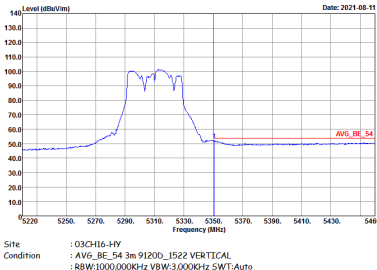


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



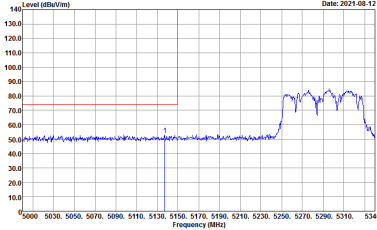
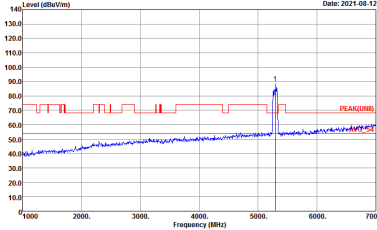
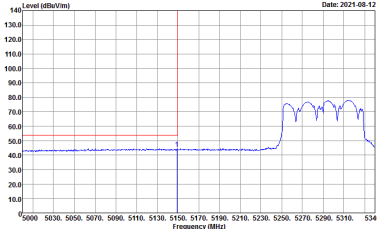
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



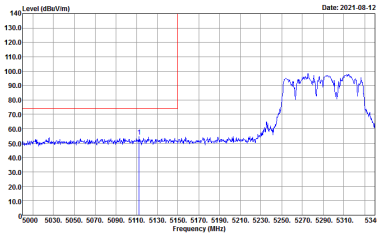
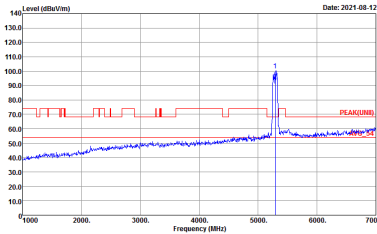
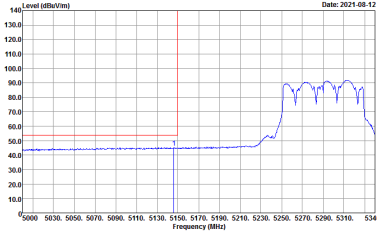
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

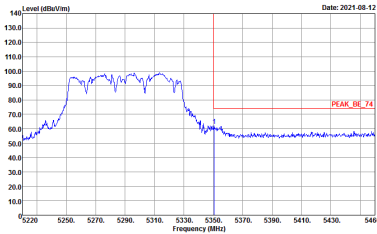
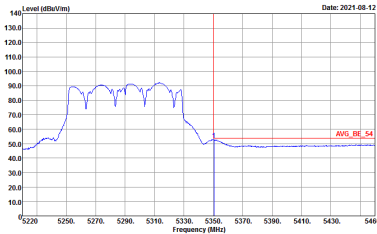


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : : PEAK(FUND) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

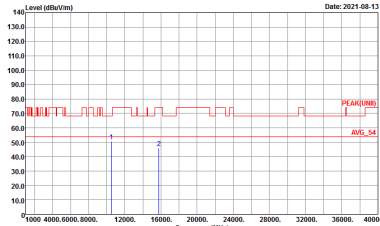
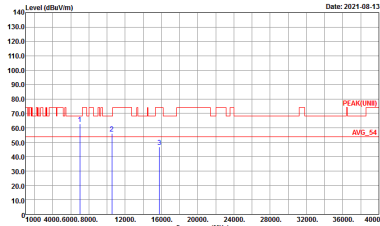


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

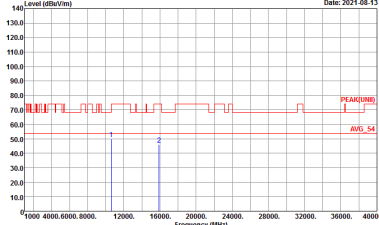
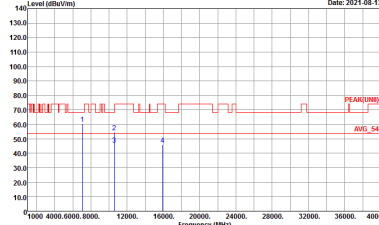


Band 2 - 5250~5350MHz

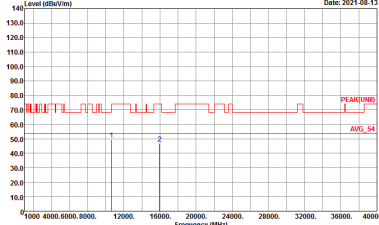
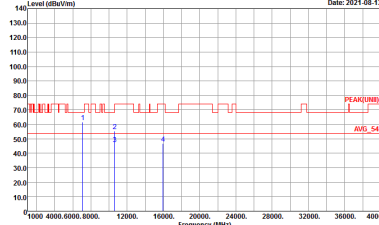
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL



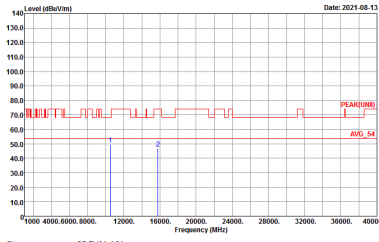
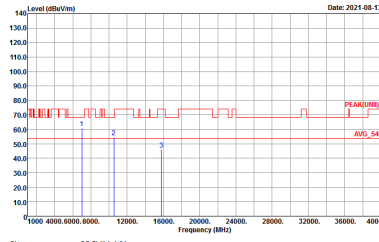
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI6-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CHI6-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



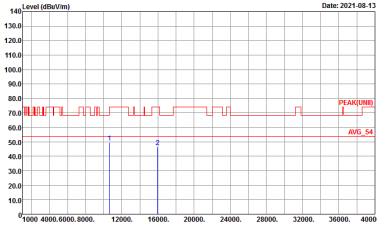
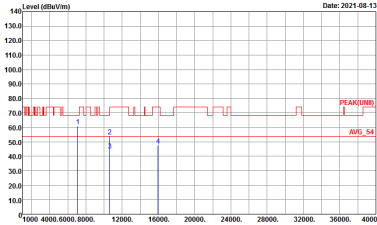
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



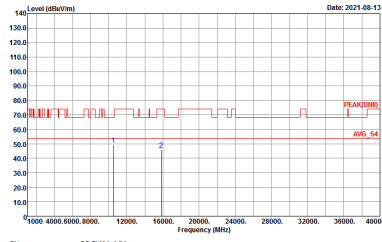
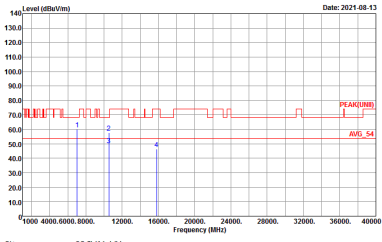
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
0+1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-08-13 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	Level (dBuV/m) Date: 2021-08-13 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



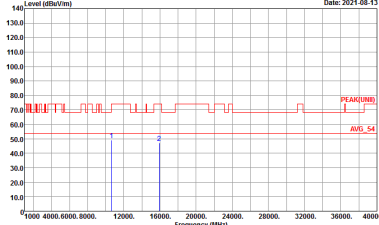
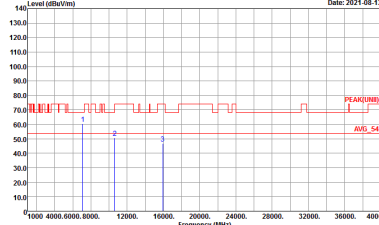
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



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

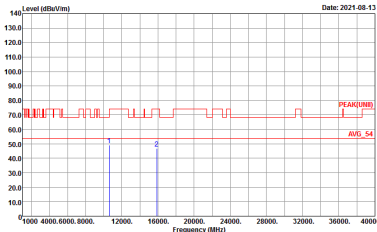
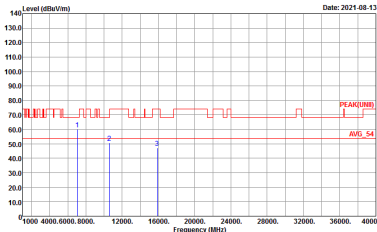
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH54 5270	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH62 5310	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL

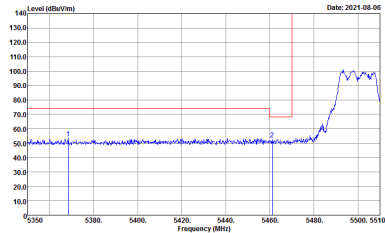
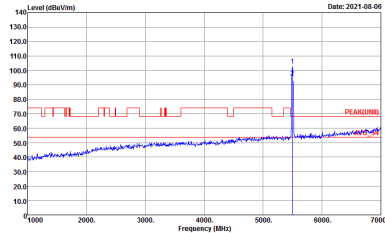
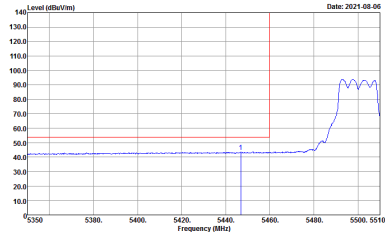


Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

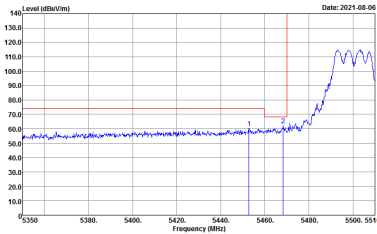
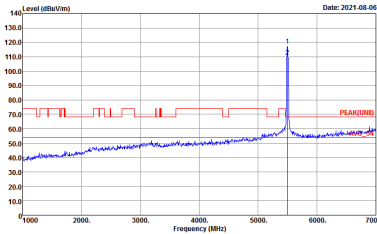
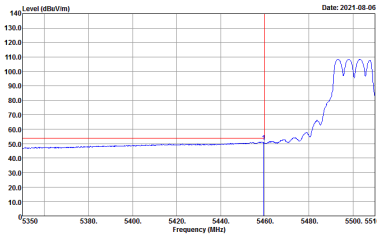
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

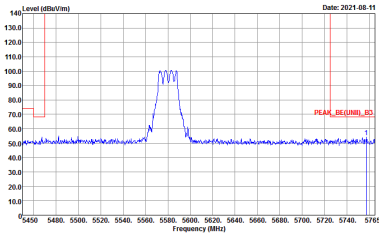


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

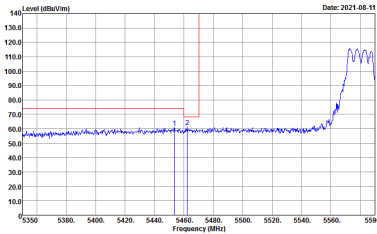
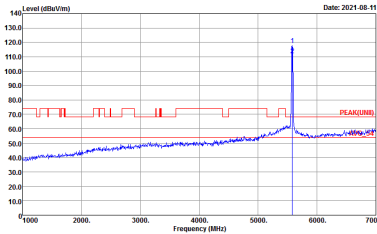
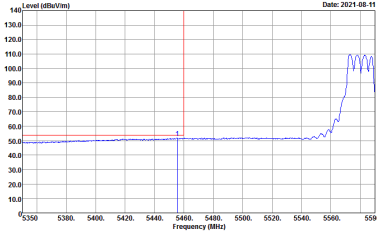


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

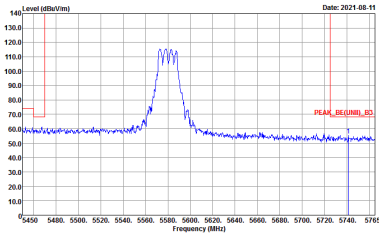


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC(UNIT)_R3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2021-08-11	Left blank

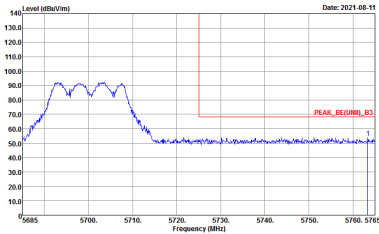
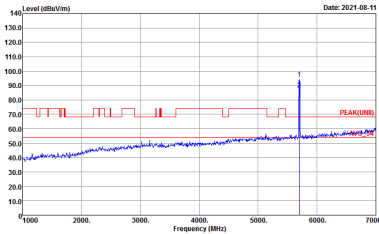


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

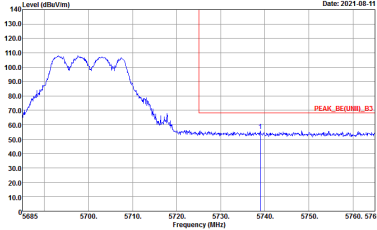
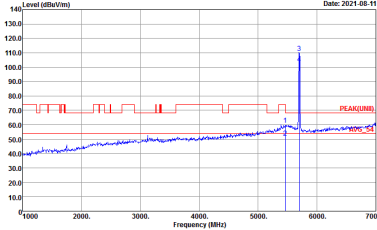


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH16 5580MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC(UNIT)_R3 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



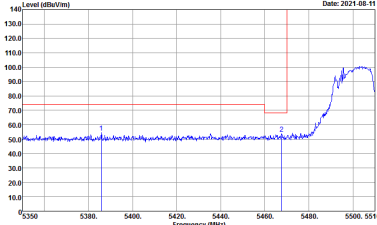
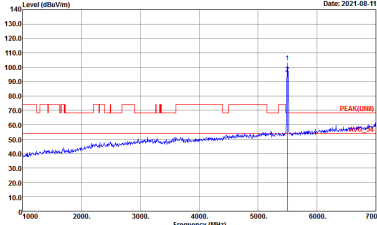
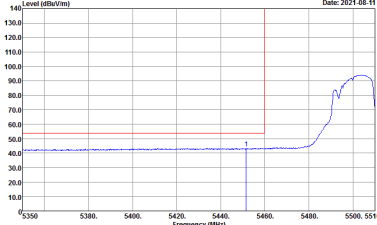
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_B(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK_U(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



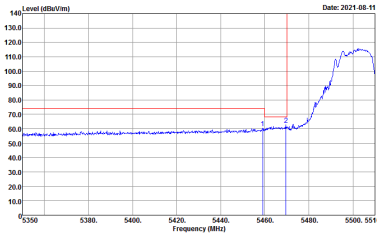
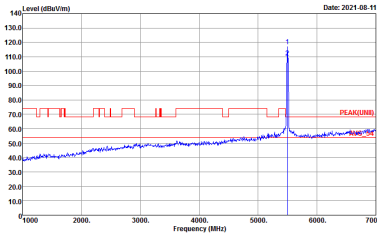
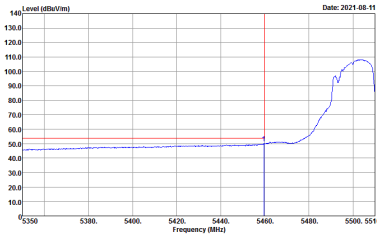
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_B3(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



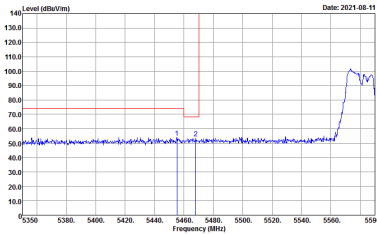
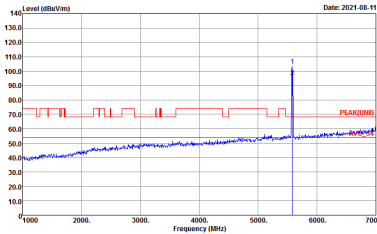
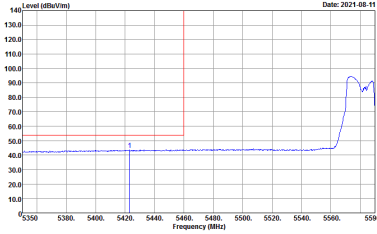
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

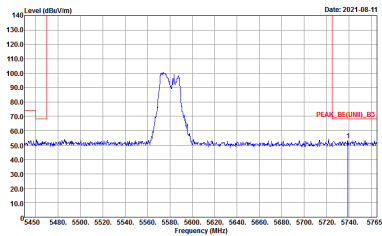


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

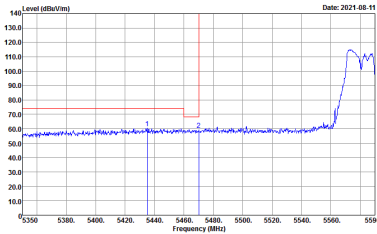
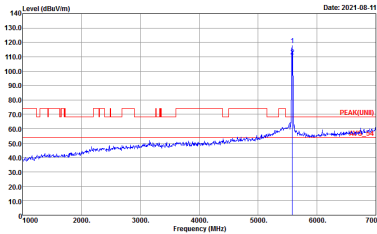
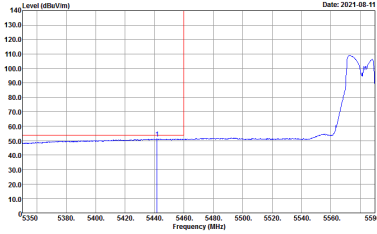


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

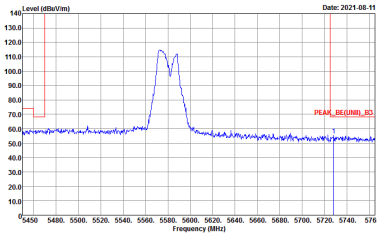


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC(UNIT)_R3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

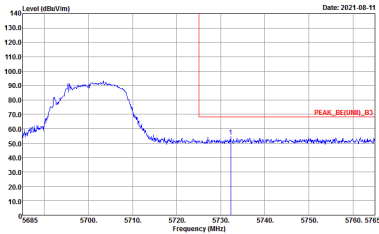
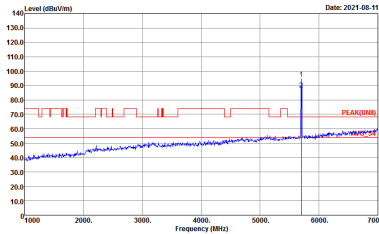


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

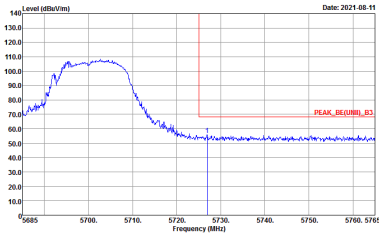
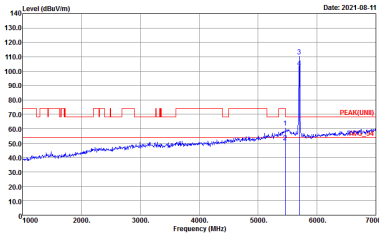


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_06(UNIT)_05 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



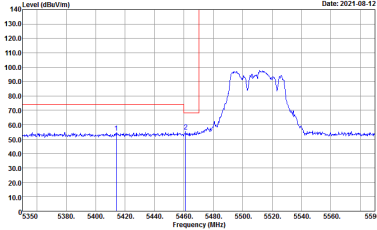
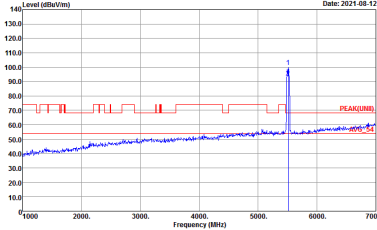
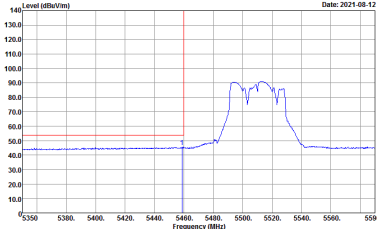
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC[UNIT]_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK[UNIT] 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



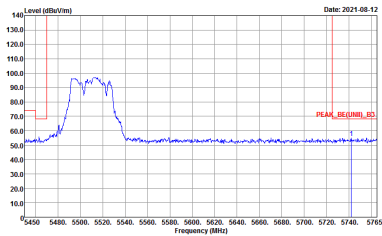
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_B3(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



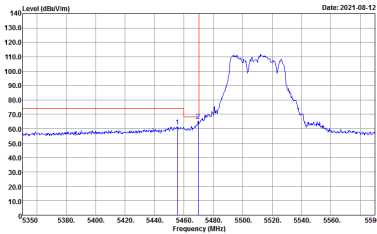
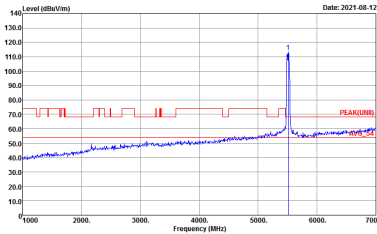
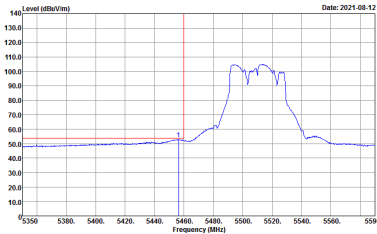
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

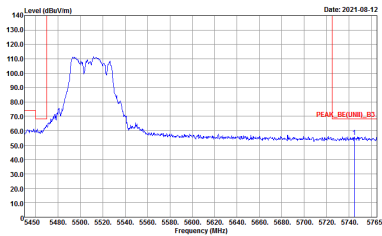


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 09CH16-HY Condition : :PEAK_BC(UNIT)_R3 3m 91200_1522 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2021-08-12	Left blank

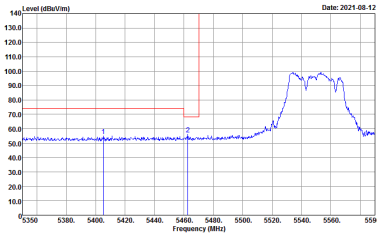
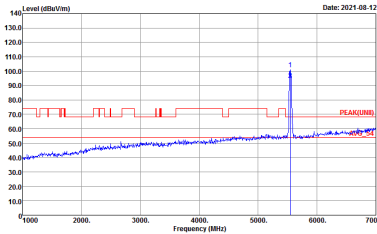
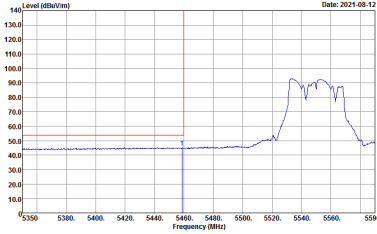


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : : PEAK(UNIT) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

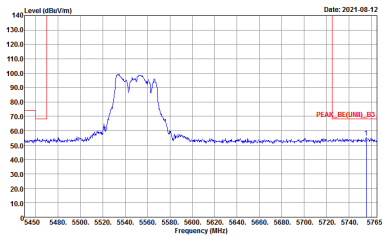


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC(UNIT)_R3 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

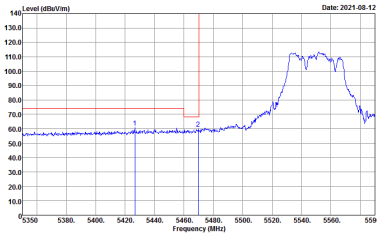
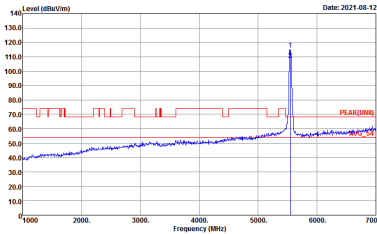
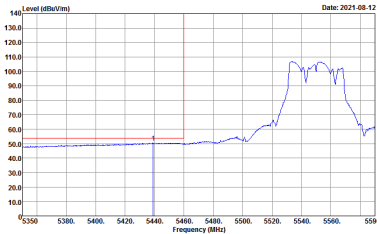


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : : AV6_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

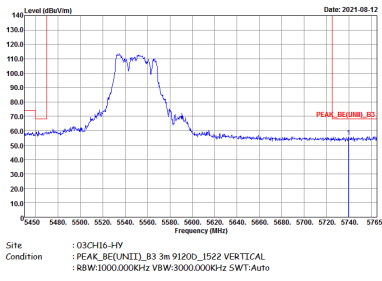


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2021-08-12	Left blank

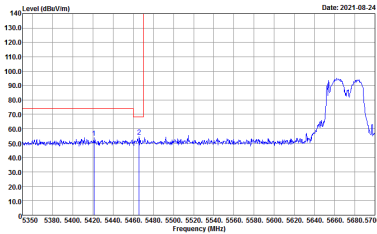
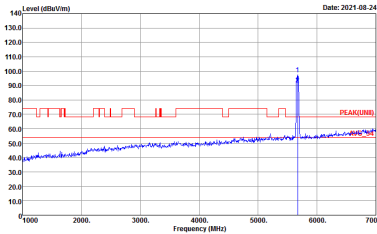
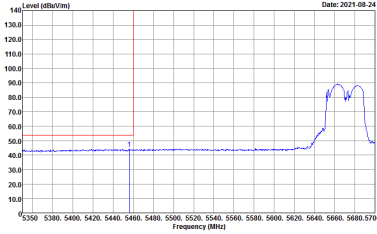


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : : PEAK(UNIT) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

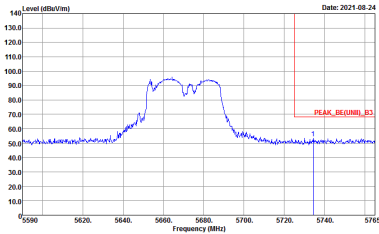


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
0+1	Vertical	Fundamental
Peak	 Site: 03CH16-HY Condition: :PEAK_BC(UNIT)_R3 3m 91200_1522 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2021-08-12	Left blank

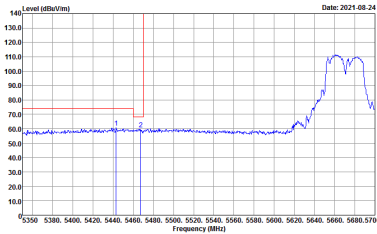
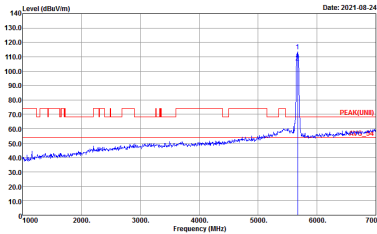
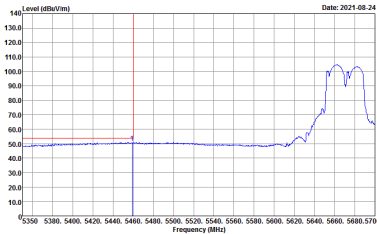


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

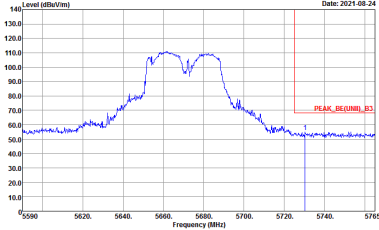


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_802.11ac_134 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



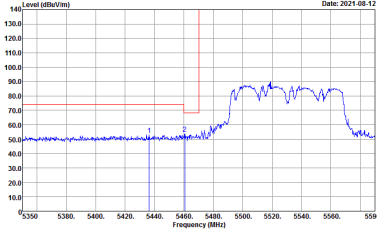
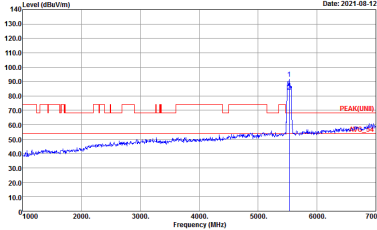
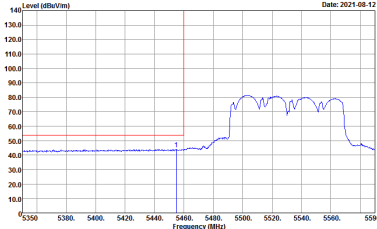
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



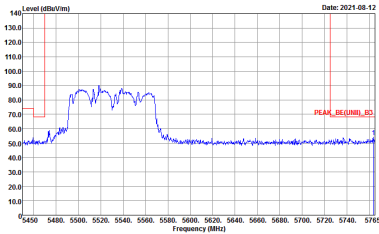
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_06(CH134)_B3 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



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	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

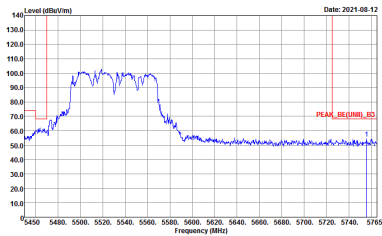


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC(UNIT)_R3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2021-08-12	Left blank

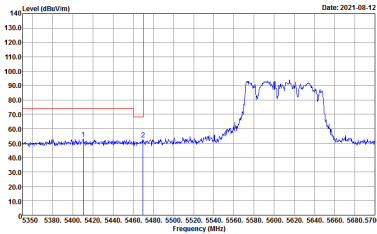
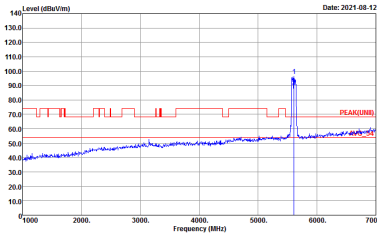
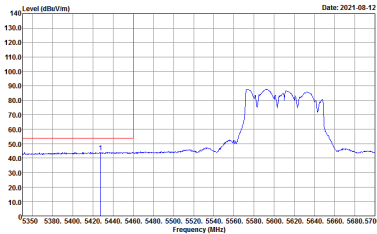


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

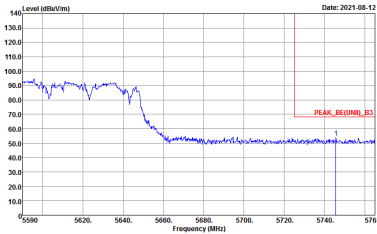


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_06(UNIT)_05 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

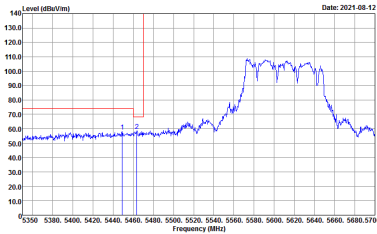
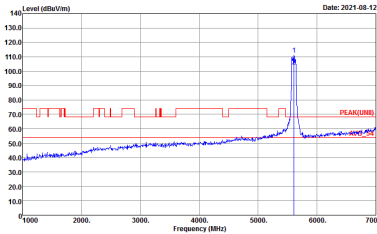
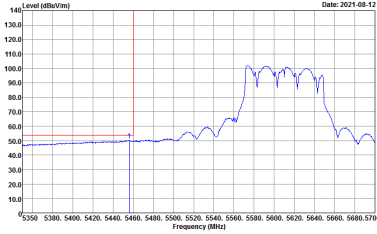


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

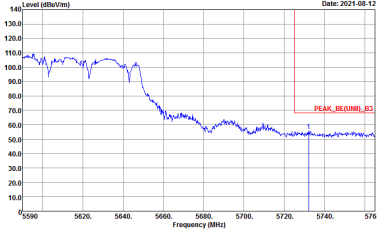


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : :PEAK_BC(UNIT)_B3 3m 91200_1522 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

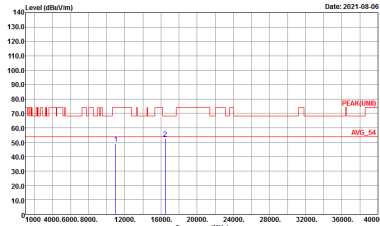
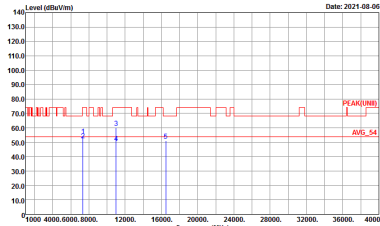


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BC(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

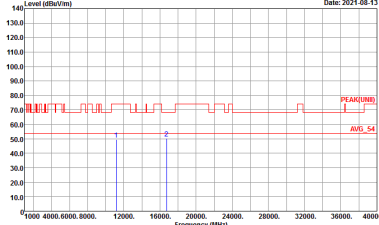
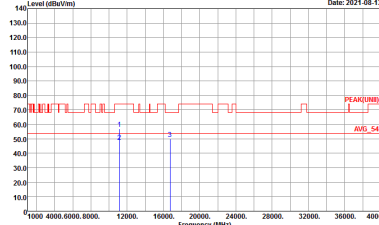


Band 3 - 5470~5725MHz

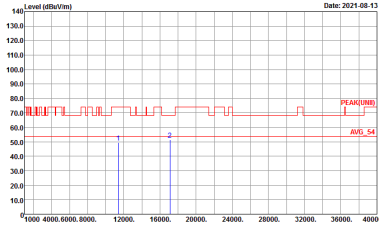
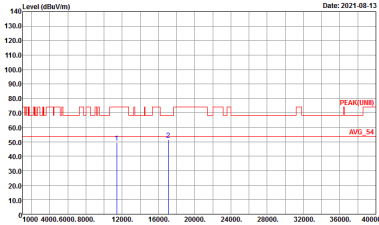
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL



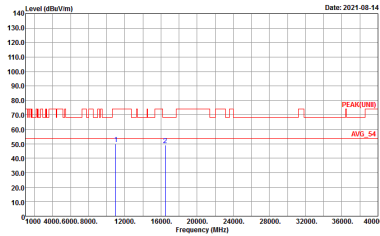
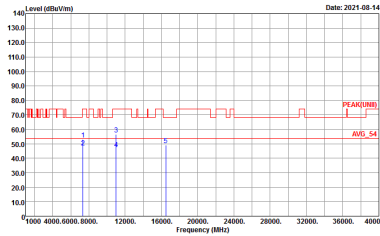
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



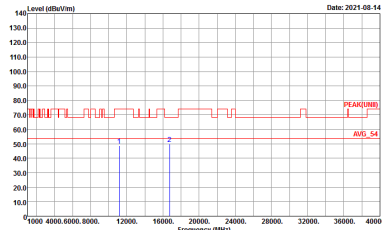
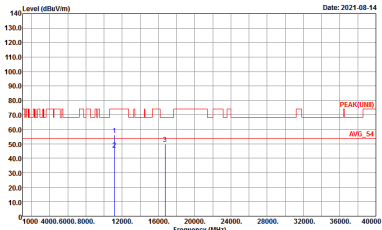
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



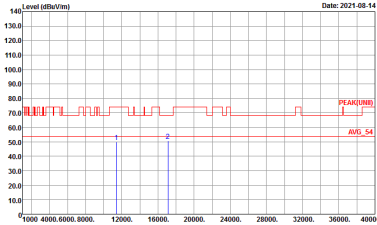
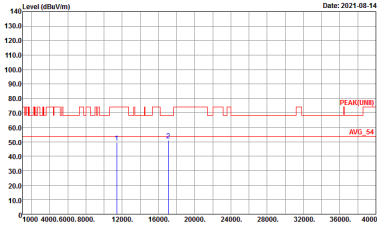
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



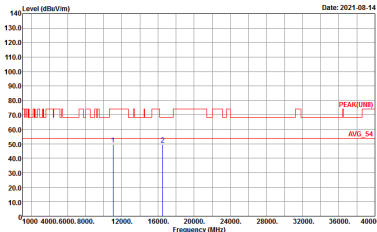
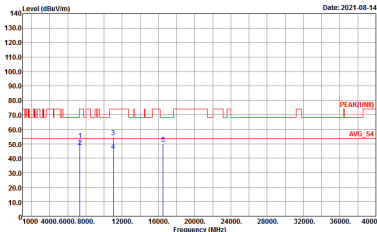
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



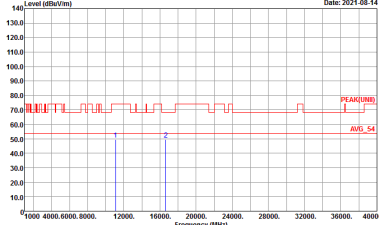
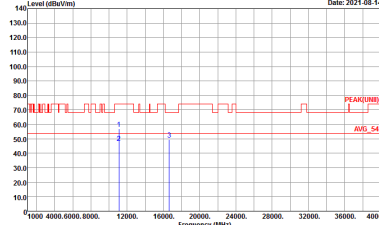
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



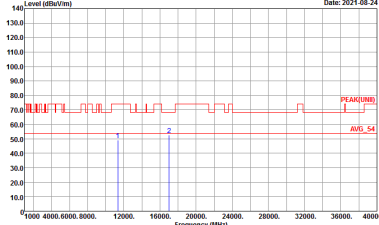
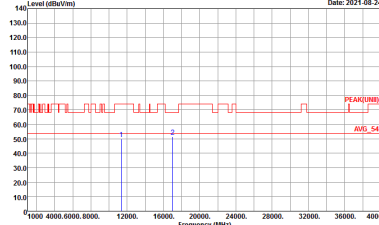
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL



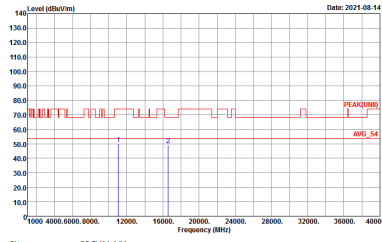
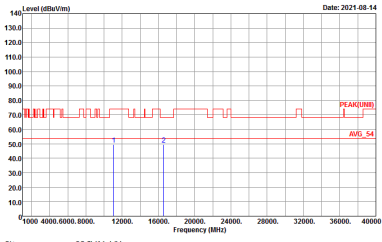
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



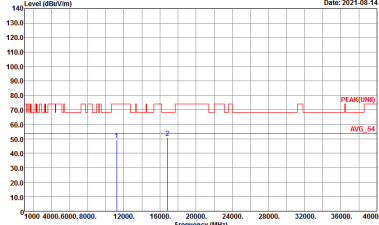
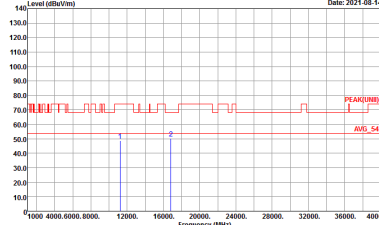
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL

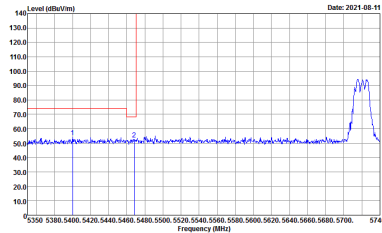
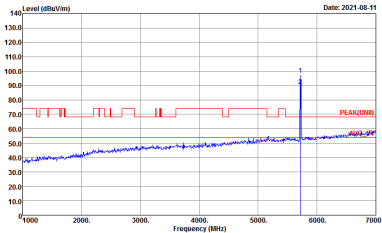
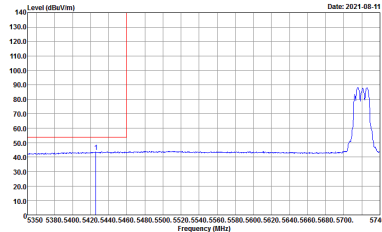


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL

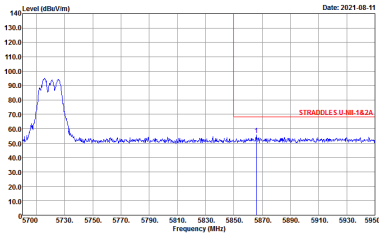


Band 3 - Straddle Channel

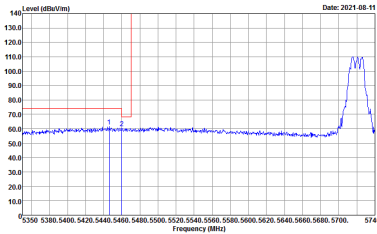
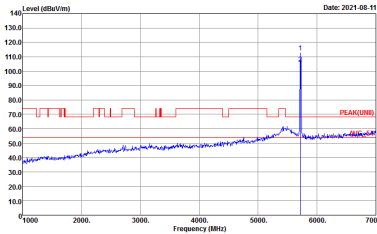
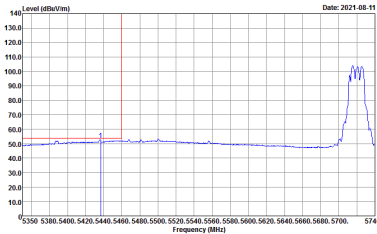
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDLES U-NIT-1A2A 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

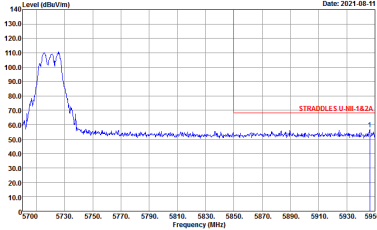


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



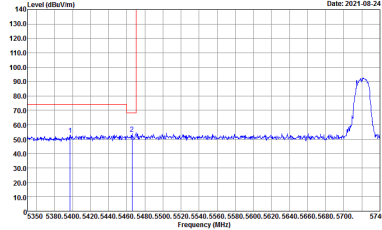
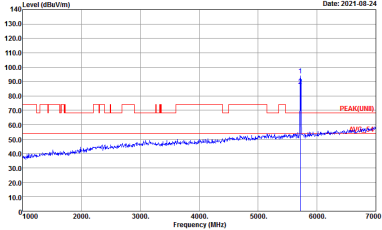
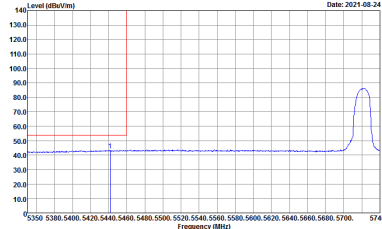
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDOLES U-NIT-1A2A 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



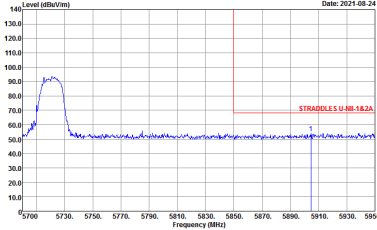
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



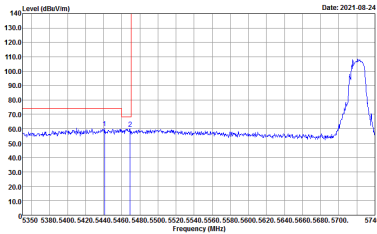
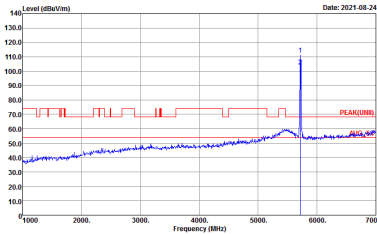
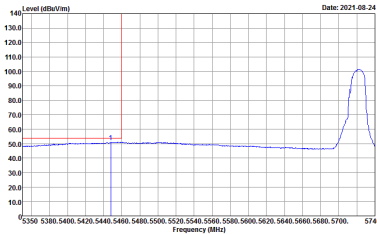
Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDLES U-NII-142A 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : U-NII-142A AVERAGE 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

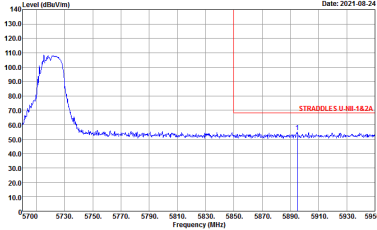


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



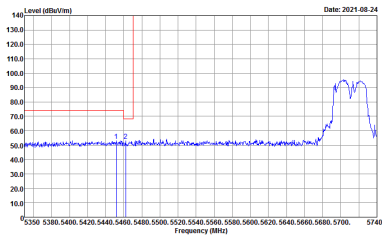
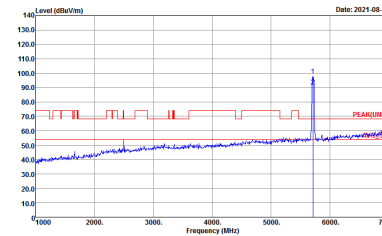
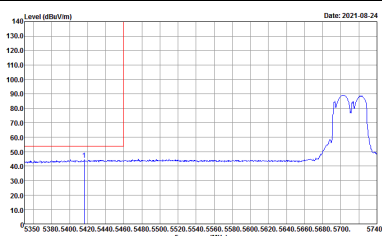
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDOLES U-NIT-1A2A 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



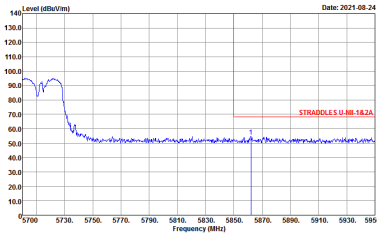
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



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	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDLES U-NII-1A2A 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : U-NII-1A2A AVERAGE 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

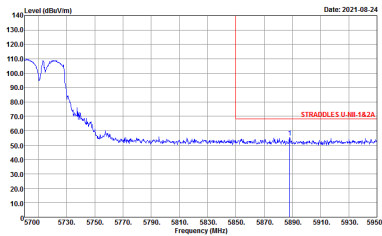


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



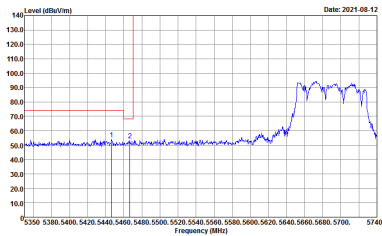
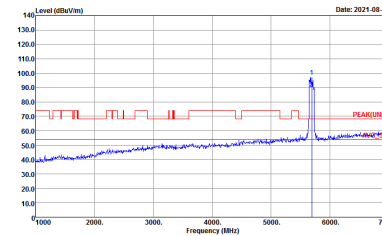
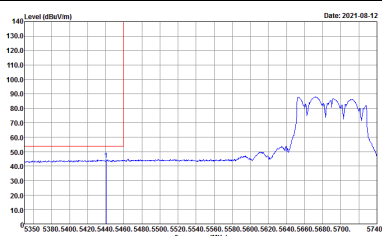
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : STRADDOLES U-NIT-1A2A 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



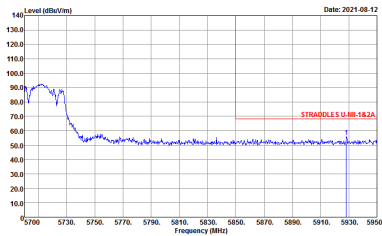
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



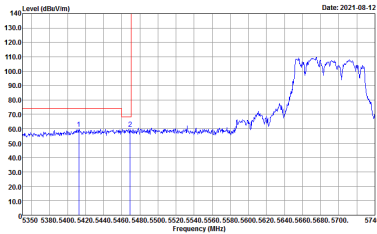
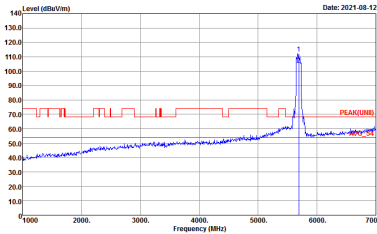
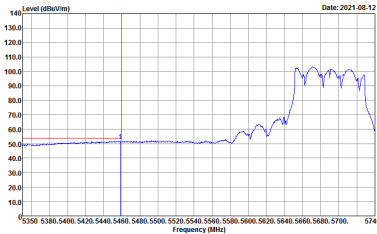
Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDLES U-NII-1A2A 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : U-NII-1A2A AVERAGE 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

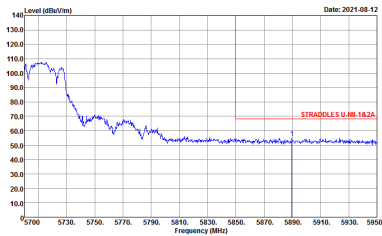


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDOLES U-NIT-1A2A 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



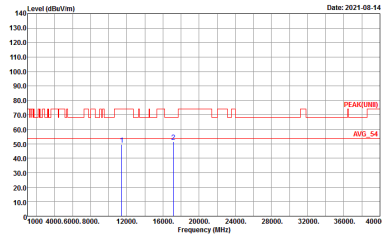
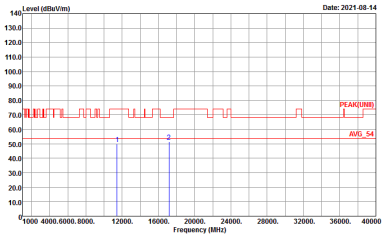
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
0+1	Horizontal	Vertical
Peak Avg.	140 Level (dBm/100Hz) Date: 2021-08-14 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL	140 Level (dBm/100Hz) Date: 2021-08-14 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL

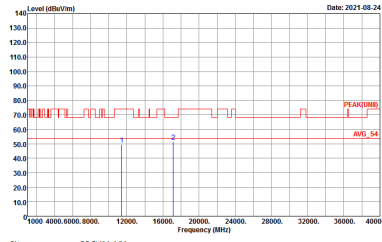
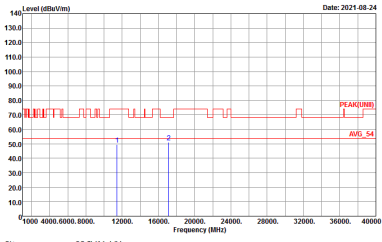


Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL

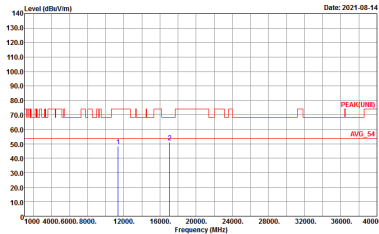
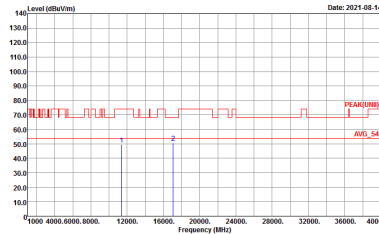


Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

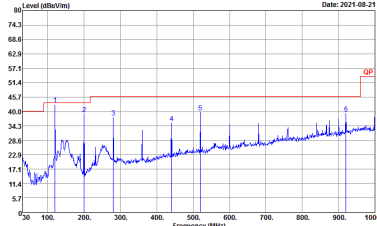
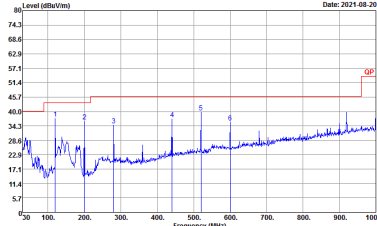
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL	 Site : 03CH16-14Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL

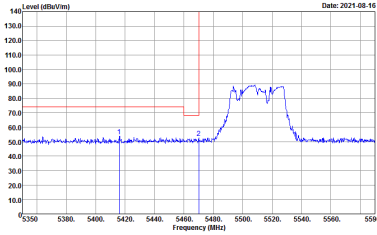
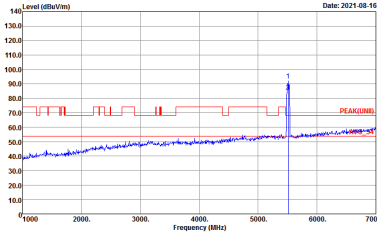
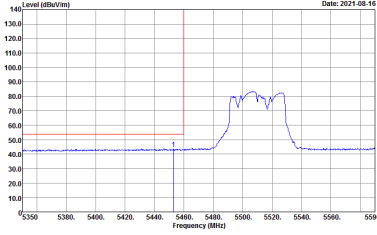
Emission below 1GHz
5GHz WIFI 802.11ac VHT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT40 LF	
0+1	Horizontal	Vertical
QP / Peak	 Site : 03CHI6-HY Condition : QP 3m BIL06_47020406 HORIZONTAL	 Site : 03CHI6-HY Condition : QP 3m BIL06_47020406 VERTICAL

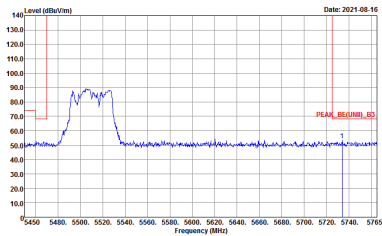


<Sample 2>

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	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

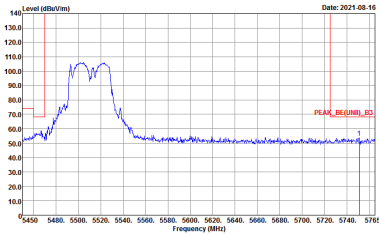


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : :PEAK_BC(UNIT)_R3 3m 91200_1522 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2021-08-16	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : : PEAK(UNIT) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

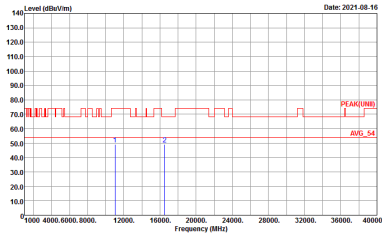
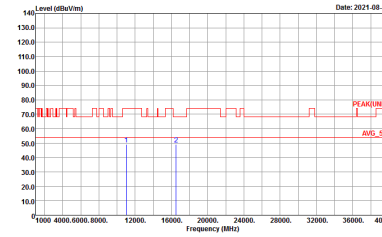


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
0+1	Vertical	Fundamental
Peak	 Site: 03CH16-HY Condition: :PEAK_BC(UNIT)_R3 3m 91200_1522 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2021-08-16	Left blank



Band 3 - 5470~5725MHz

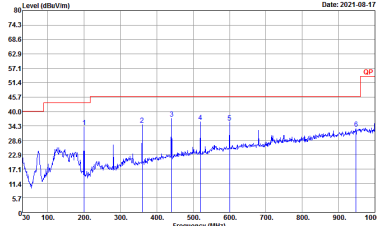
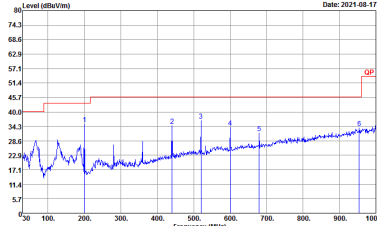
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 111402 Setting : 12.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 111402 Setting : 12.5



Emission below 1GHz

5GHz WIFI 802.11ac VHT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT40 LF	
0+1	Horizontal	Vertical
QP / Peak	 Site : 03CHI6-HY Condition : QP 3m BIL06_47020406 HORIZONTAL	 Site : 03CHI6-HY Condition : QP 3m BIL06_47020406 VERTICAL



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
0+1	802.11a	96.67	2030	0.49	1kHz
0+1	5GHz 802.11ac VHT20	94.06	1900	0.53	1kHz
0+1	5GHz 802.11ac VHT40	93.00	930	1.08	3kHz
0+1	5GHz 802.11ac VHT80	87.36	456	2.19	3kHz

MIMO <Ant. 0+1>

802.11a



802.11ac VHT20



802.11ac VHT40



802.11ac VHT80

