



FCC RADIO TEST REPORT

FCC ID : APYHRO00275
Equipment : Smart phone
Brand Name : SHARP
Applicant : SHARP CORPORATION
2-13-1, Hachihonmatsu-lida, Higashi-hiroshima-shi,
Hiroshima pref. 739-0192, Japan
Manufacturer : SHARP CORPORATION
1 Takumi-Cho, Sakai-Ku, Sakai-Shi, Osaka 590-8522, Japan
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 30, 2019 and testing was started from Aug. 01, 2019 and completed on Aug. 13, 2019. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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.

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR973034E	01	Initial issue of report	Sep. 12, 2019

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 7.37 dB at 5458.72 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.31 dB at 0.537 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Wii Chang

Report Producer: Echo Wu

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS

Product Specification subjective to this standard	
Antenna Type	WWAN: ILA & IFA Antenna WLAN: IFA Antenna Bluetooth: IFA Antenna GPS/Glonass/BDS/Galileo: ILA Antenna NFC: Loop Antenna

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, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	03CH13-HY	

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

FCC designation No.: TW1190 and TW0007



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. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

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

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

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

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.

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 : WCDMA Band V Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + Earphone + USB Cable (Charging from Adapter)

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

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

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

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	-	-	-

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
4.	Notebook	Dell	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	Lenovo	E335	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
7.	Earphone	SHARP	RPHOEA007AF ZZ	FCC DoC	Unshielded, 1.2 m	N/A

2.5 EUT Operation Test Setup

The RF test item, utility “QRCT Version: 4.0.00108” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.6 dB and 20dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.9 + 20 = 4.6 \text{ (dB)}\end{aligned}$$

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.

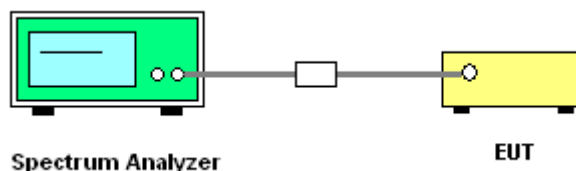
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

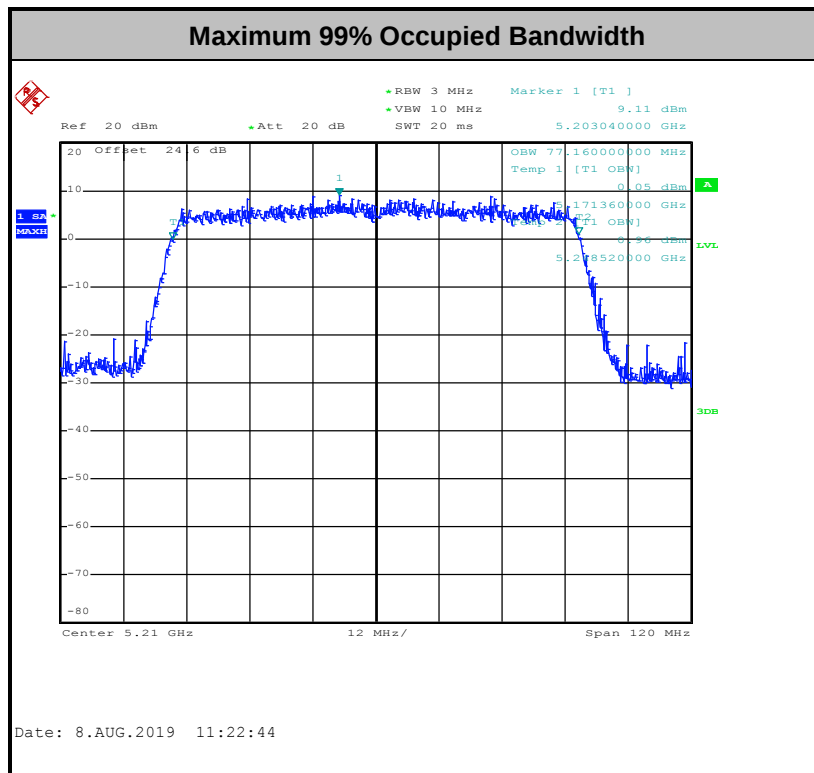
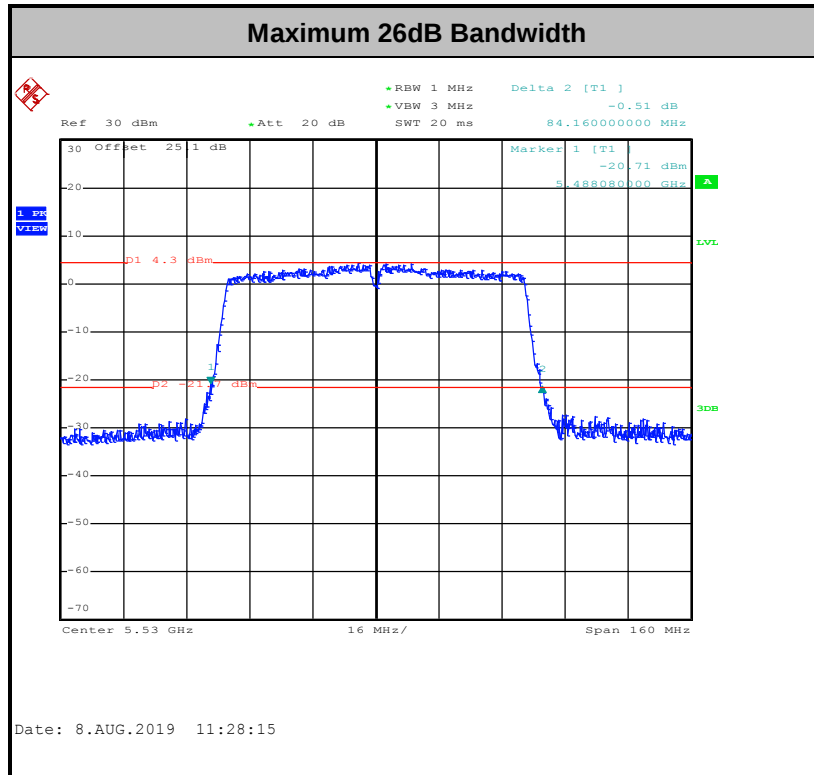
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

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.

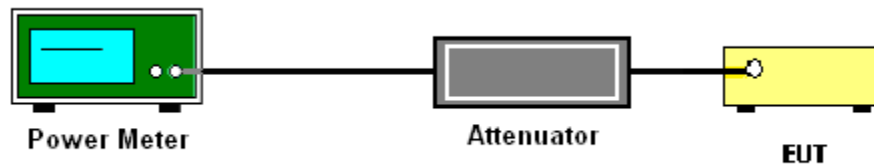
3.2.3 Test Procedures

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

Method PM-G (Measurement using an 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.

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.

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

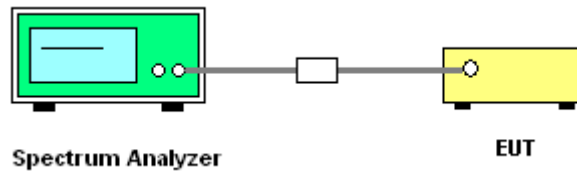
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

Method SA-3

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

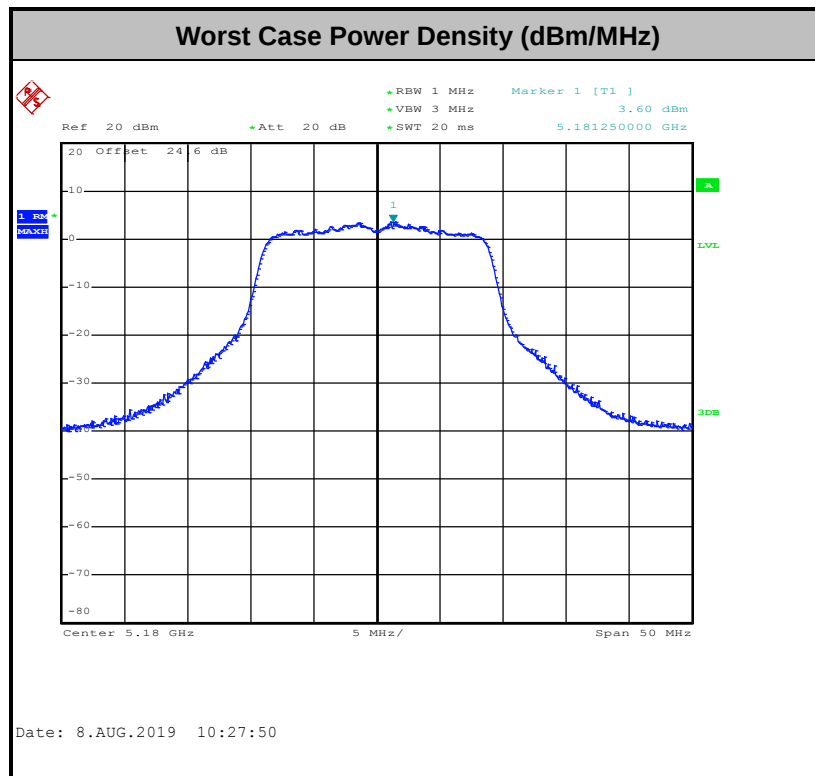
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission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

3.3.4 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) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits 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.³
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.⁴

Note 3: An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

Note 4: Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

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 1000MHz

- 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

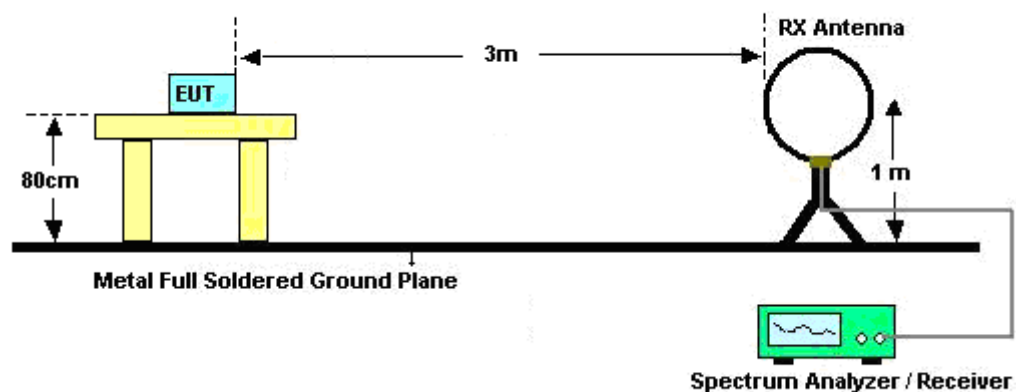
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

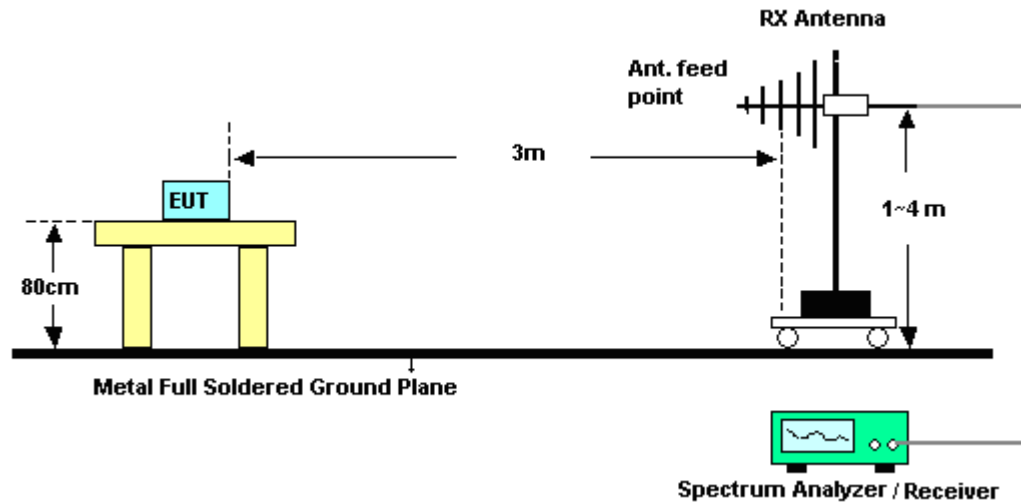
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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 1GHz, 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 1GHz, the emission level of the EUT in peak mode was 20dB 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

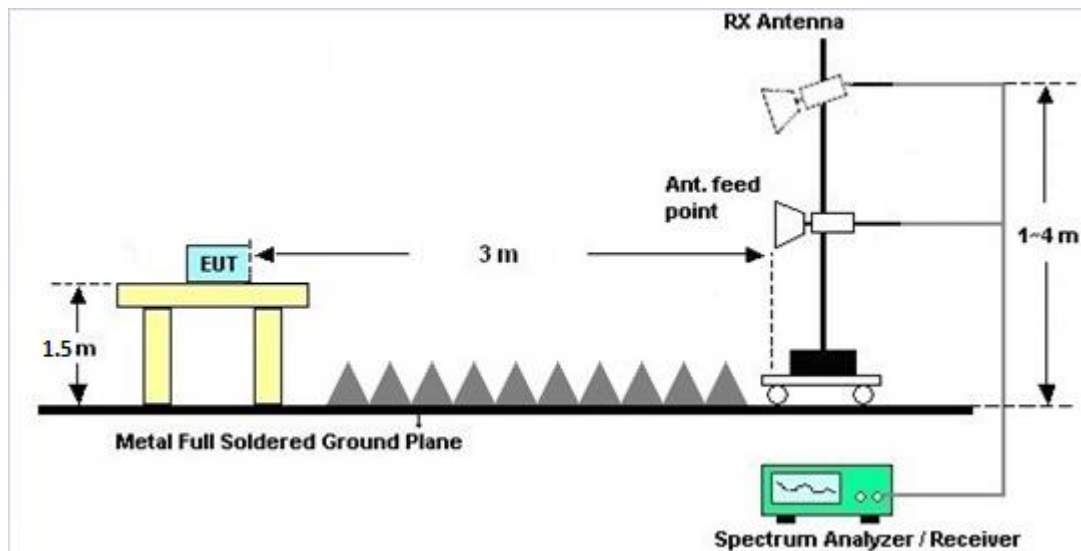
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions 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 a comparison data 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 should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 07, 2019	Aug. 08, 2019~ Aug. 13, 2019	Jan. 06, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jul. 02, 2019	Aug. 08, 2019~ Aug. 13, 2019	Jul. 01, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D &00800N1D 01N-06	37059&01	30MHz~1GHz	Oct. 13, 2018	Aug. 08, 2019~ Aug. 13, 2019	Oct. 12, 2019	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA91705 84	18GHz- 40GHz	Dec. 05, 2018	Aug. 08, 2019~ Aug. 13, 2019	Dec. 04, 2019	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 18, 2018	Aug. 08, 2019~ Aug. 13, 2019	Dec. 17, 2019	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-001 01800-30-10 P	1590074	1GHz~18GHz	May. 20, 2019	Aug. 08, 2019~ Aug. 13, 2019	May. 19, 2020	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY5327014 7	1GHz~26.5GHz	Mar. 15, 2019	Aug. 08, 2019~ Aug. 13, 2019	Mar. 14, 2020	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 06, 2018	Aug. 08, 2019~ Aug. 13, 2019	Dec. 05, 2019	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY5413008 5	20Hz ~ 8.4GHz	Nov. 01, 2018	Aug. 08, 2019~ Aug. 13, 2019	Oct. 31, 2019	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY5537052 6	10Hz~44GHz	Mar. 19, 2019	Aug. 08, 2019~ Aug. 13, 2019	Mar. 18, 2020	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 08, 2019~ Aug. 13, 2019	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 08, 2019~ Aug. 13, 2019	N/A	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 13, 2019	Aug. 08, 2019~ Aug. 13, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 13, 2019	Aug. 08, 2019~ Aug. 13, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 13, 2019	Aug. 08, 2019~ Aug. 13, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 13, 2019	Aug. 08, 2019~ Aug. 13, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 13, 2019	Aug. 08, 2019~ Aug. 13, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
Filter	Woken	WHKX8-527 2.5-6750-18 000-40ST	SN5	6.75G Highpass	Mar.13, 2019	Aug. 08, 2019~ Aug. 13, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WLKS1200- 8SS	SN3	1.2G Low Pass	Nov. 02, 2018	Aug. 08, 2019~ Aug. 13, 2019	Nov. 01, 2019	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8 -24c	RK-001124	N/A	N/A	Aug. 08, 2019~ Aug. 13, 2019	N/A	Radiation (03CH13-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	13I00030SN O32	9kHz~6GHz	Dec. 03, 2018	Aug. 01, 2019~ Aug. 08, 2019	Dec. 02, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz~40GHz	Nov. 21, 2018	Aug. 01, 2019~ Aug. 08, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Aug. 01, 2019~ Aug. 08, 2019	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 13, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Aug. 13, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Aug. 13, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Aug. 13, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Aug. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Aug. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V1 0.30	N/A	N/A	N/A	Aug. 13, 2019	N/A	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.2
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2019/8/1~08/08	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.80	-	25.35	-	-	-	22.25	-	
11a	6Mbps	1	44	5220	16.90	-	24.90	-	-	-	22.28	-	
11a	6Mbps	1	48	5240	16.85	-	25.40	-	-	-	22.27	-	
VHT20	MCS0	1	36	5180	18.00	-	25.90	-	-	-	22.55	-	
VHT20	MCS0	1	44	5220	17.95	-	26.00	-	-	-	22.54	-	
VHT20	MCS0	1	48	5240	18.00	-	27.10	-	-	-	22.55	-	
VHT40	MCS0	1	38	5190	36.70	-	42.12	-	-	-	23.01	-	
VHT40	MCS0	1	46	5230	36.60	-	42.12	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	77.16	-	83.98	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	11.70	-		24.00	-	0.80	-		Pass
11a	6Mbps	1	44	5220	11.60	-		24.00	-	0.80	-		Pass
11a	6Mbps	1	48	5240	11.50	-		24.00	-	0.80	-		Pass
HT20	MCS0	1	36	5180	11.80	-		24.00	-	0.80	-		Pass
HT20	MCS0	1	44	5220	11.70	-		24.00	-	0.80	-		Pass
HT20	MCS0	1	48	5240	11.70	-		24.00	-	0.80	-		Pass
HT40	MCS0	1	38	5190	11.80	-		24.00	-	0.80	-		Pass
HT40	MCS0	1	46	5230	11.70	-		24.00	-	0.80	-		Pass
VHT20	MCS0	1	36	5180	11.90	-		24.00	-	0.80	-		Pass
VHT20	MCS0	1	44	5220	11.80	-		24.00	-	0.80	-		Pass
VHT20	MCS0	1	48	5240	11.80	-		24.00	-	0.80	-		Pass
VHT40	MCS0	1	38	5190	11.90	-		24.00	-	0.80	-		Pass
VHT40	MCS0	1	46	5230	11.80	-		24.00	-	0.80	-		Pass
VHT80	MCS0	1	42	5210	11.90	-		24.00	-	0.80	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.00	0.00	3.30	-		11.00	-	0.80	-	Pass
11a	6Mbps	1	44	5220	0.00	0.00	3.18	-		11.00	-	0.80	-	Pass
11a	6Mbps	1	48	5240	0.00	0.00	3.01	-		11.00	-	0.80	-	Pass
VHT20	MCS0	1	36	5180	0.00	0.00	3.60	-		11.00	-	0.80	-	Pass
VHT20	MCS0	1	44	5220	0.00	0.00	3.46	-		11.00	-	0.80	-	Pass
VHT20	MCS0	1	48	5240	0.00	0.00	3.42	-		11.00	-	0.80	-	Pass
VHT40	MCS0	1	38	5190	0.00	0.00	-0.26	-		11.00	-	0.80	-	Pass
VHT40	MCS0	1	46	5230	0.00	0.00	-0.42	-		11.00	-	0.80	-	Pass
VHT80	MCS0	1	42	5210	0.00	0.00	-2.84	-		11.00	-	0.80	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.75	-	25.10	-	23.24	-	29.24	-	23.98	-	
11a	6Mbps	1	60	5300	16.90	-	24.80	-	23.28	-	29.28	-	23.98	-	
11a	6Mbps	1	64	5320	16.80	-	25.70	-	23.25	-	29.25	-	23.98	-	
VHT20	MCS0	1	52	5260	17.90	-	26.05	-	23.53	-	29.53	-	23.98	-	
VHT20	MCS0	1	60	5300	18.00	-	27.05	-	23.55	-	29.55	-	23.98	-	
VHT20	MCS0	1	64	5320	17.95	-	26.40	-	23.54	-	29.54	-	23.98	-	
VHT40	MCS0	1	54	5270	36.60	-	42.13	-	23.98	-	30.00	-	23.98	-	
VHT40	MCS0	1	62	5310	36.60	-	41.97	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	77.16	-	83.92	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	11.50	-		23.98	-	0.80	-	26.99	Pass
11a	6Mbps	1	60	5300	11.50	-		23.98	-	0.80	-	26.99	Pass
11a	6Mbps	1	64	5320	11.60	-		23.98	-	0.80	-	26.99	Pass
HT20	MCS0	1	52	5260	11.60	-		23.98	-	0.80	-	26.99	Pass
HT20	MCS0	1	60	5300	11.60	-		23.98	-	0.80	-	26.99	Pass
HT20	MCS0	1	64	5320	11.70	-		23.98	-	0.80	-	26.99	Pass
HT40	MCS0	1	54	5270	11.60	-		23.98	-	0.80	-	26.99	Pass
HT40	MCS0	1	62	5310	11.70	-		23.98	-	0.80	-	26.99	Pass
VHT20	MCS0	1	52	5260	11.70	-		23.98	-	0.80	-	26.99	Pass
VHT20	MCS0	1	60	5300	11.70	-		23.98	-	0.80	-	26.99	Pass
VHT20	MCS0	1	64	5320	11.80	-		23.98	-	0.80	-	26.99	Pass
VHT40	MCS0	1	54	5270	11.70	-		23.98	-	0.80	-	26.99	Pass
VHT40	MCS0	1	62	5310	11.80	-		23.98	-	0.80	-	26.99	Pass
VHT80	MCS0	1	58	5290	11.80	-		23.98	-	0.80	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.00	0.00	2.84	-		11.00	-	0.80	-	Pass
11a	6Mbps	1	60	5300	0.00	0.00	3.06	-		11.00	-	0.80	-	Pass
11a	6Mbps	1	64	5320	0.00	0.00	2.69	-		11.00	-	0.80	-	Pass
VHT20	MCS0	1	52	5260	0.00	0.00	3.31	-		11.00	-	0.80	-	Pass
VHT20	MCS0	1	60	5300	0.00	0.00	3.27	-		11.00	-	0.80	-	Pass
VHT20	MCS0	1	64	5320	0.00	0.00	2.96	-		11.00	-	0.80	-	Pass
VHT40	MCS0	1	54	5270	0.00	0.00	-0.52	-		11.00	-	0.80	-	Pass
VHT40	MCS0	1	62	5310	0.00	0.00	-0.47	-		11.00	-	0.80	-	Pass
VHT80	MCS0	1	58	5290	0.00	0.00	-3.11	-		11.00	-	0.80	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.80	-	25.00	-	23.25	-	29.25	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.85	-	25.00	-	23.27	-	29.27	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.85	-	25.65	-	23.27	-	29.27	-	23.98	-	----	----
VHT20	MCS0	1	100	5500	17.95	-	26.60	-	23.54	-	29.54	-	23.98	-	----	----
VHT20	MCS0	1	116	5580	17.90	-	25.80	-	23.53	-	29.53	-	23.98	-	----	----
VHT20	MCS0	1	140	5700	18.00	-	25.90	-	23.55	-	29.55	-	23.98	-	----	----
VHT40	MCS0	1	102	5510	36.50	-	42.18	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	110	5550	36.60	-	42.03	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	134	5670	36.60	-	41.76	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	77.04	-	84.16	-	23.98	-	30.00	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

FCC Band III													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	11.70	-		23.98	-	-0.70	-	26.99	Pass
11a	6Mbps	1	116	5580	11.60	-		23.98	-	-0.70	-	26.99	Pass
11a	6Mbps	1	140	5700	11.60	-		23.98	-	-0.70	-	26.99	Pass
HT20	MCS0	1	100	5500	11.80	-		23.98	-	-0.70	-	26.99	Pass
HT20	MCS0	1	116	5580	11.70	-		23.98	-	-0.70	-	26.99	Pass
HT20	MCS0	1	140	5700	11.70	-		23.98	-	-0.70	-	26.99	Pass
HT40	MCS0	1	102	5510	11.80	-		23.98	-	-0.70	-	26.99	Pass
HT40	MCS0	1	110	5550	11.60	-		23.98	-	-0.70	-	26.99	Pass
HT40	MCS0	1	134	5670	11.70	-		23.98	-	-0.70	-	26.99	Pass
VHT20	MCS0	1	100	5500	11.90	-		23.98	-	-0.70	-	26.99	Pass
VHT20	MCS0	1	116	5580	11.80	-		23.98	-	-0.70	-	26.99	Pass
VHT20	MCS0	1	140	5700	11.80	-		23.98	-	-0.70	-	26.99	Pass
VHT40	MCS0	1	102	5510	11.90	-		23.98	-	-0.70	-	26.99	Pass
VHT40	MCS0	1	110	5550	11.70	-		23.98	-	-0.70	-	26.99	Pass
VHT40	MCS0	1	134	5670	11.80	-		23.98	-	-0.70	-	26.99	Pass
VHT80	MCS0	1	106	5530	11.70	-		23.98	-	-0.70	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.00	0.00	2.20	-		11.00	-	-0.70	-	Pass
11a	6Mbps	1	116	5580	0.00	0.00	2.89	-		11.00	-	-0.70	-	Pass
11a	6Mbps	1	140	5700	0.00	0.00	2.84	-		11.00	-	-0.70	-	Pass
VHT20	MCS0	1	100	5500	0.00	0.00	2.90	-		11.00	-	-0.70	-	Pass
VHT20	MCS0	1	116	5580	0.00	0.00	3.22	-		11.00	-	-0.70	-	Pass
VHT20	MCS0	1	140	5700	0.00	0.00	3.32	-		11.00	-	-0.70	-	Pass
VHT40	MCS0	1	102	5510	0.00	0.00	-0.73	-		11.00	-	-0.70	-	Pass
VHT40	MCS0	1	110	5550	0.00	0.00	-0.61	-		11.00	-	-0.70	-	Pass
VHT40	MCS0	1	134	5670	0.00	0.00	-0.45	-		11.00	-	-0.70	-	Pass
VHT80	MCS0	1	106	5530	0.00	0.00	-3.36	-		11.00	-	-0.70	-	Pass



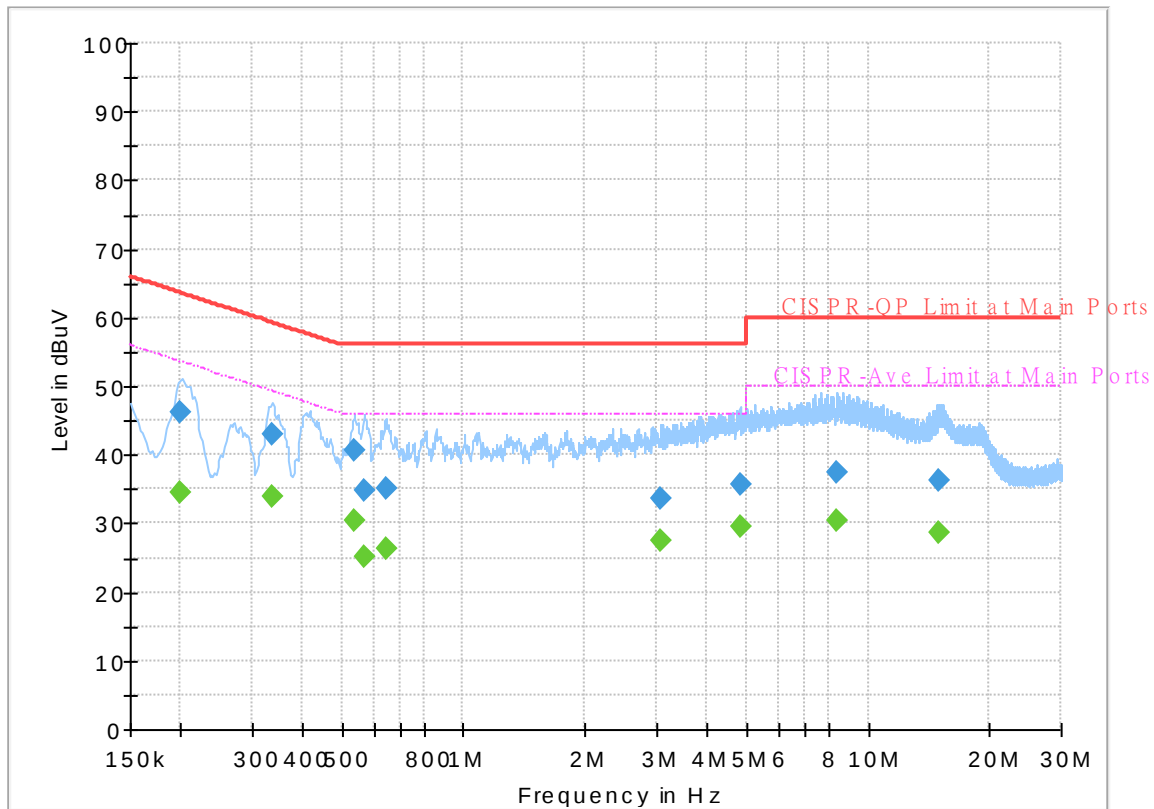
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	Temperature :	23~24.7℃
		Relative Humidity :	58.9~64.7%

EUT Information

Report NO : 973034
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



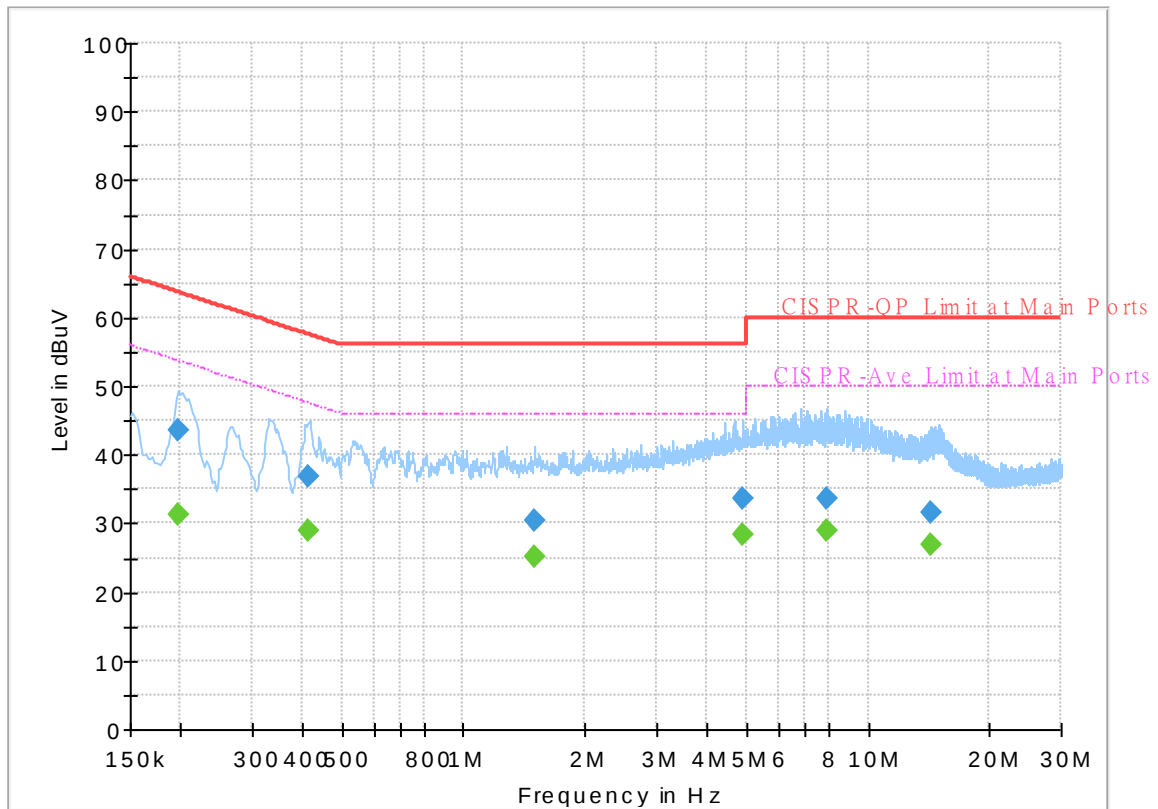
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.199500	---	34.60	53.63	19.03	L1	OFF	19.4
0.199500	46.24	---	63.63	17.39	L1	OFF	19.4
0.336750	---	33.79	49.28	15.49	L1	OFF	19.4
0.336750	42.86	---	59.28	16.42	L1	OFF	19.4
0.537000	---	30.53	46.00	15.47	L1	OFF	19.4
0.537000	40.69	---	56.00	15.31	L1	OFF	19.4
0.568500	---	25.03	46.00	20.97	L1	OFF	19.4
0.568500	34.82	---	56.00	21.18	L1	OFF	19.4
0.642750	---	26.41	46.00	19.59	L1	OFF	19.4
0.642750	35.13	---	56.00	20.87	L1	OFF	19.4
3.059250	---	27.54	46.00	18.46	L1	OFF	19.5
3.059250	33.56	---	56.00	22.44	L1	OFF	19.5
4.818750	---	29.43	46.00	16.57	L1	OFF	19.6
4.818750	35.71	---	56.00	20.29	L1	OFF	19.6
8.416500	---	30.27	50.00	19.73	L1	OFF	19.8
8.416500	37.40	---	60.00	22.60	L1	OFF	19.8
15.009000	---	28.59	50.00	21.41	L1	OFF	20.0
15.009000	36.32	---	60.00	23.68	L1	OFF	20.0

EUT Information

Report NO : 973034
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)
0.197250	---	31.34	53.73	22.39	N	OFF	19.5
0.197250	43.45	---	63.73	20.28	N	OFF	19.5
0.413250	---	28.87	47.58	18.71	N	OFF	19.5
0.413250	36.85	---	57.58	20.73	N	OFF	19.5
1.502250	---	25.12	46.00	20.88	N	OFF	19.5
1.502250	30.52	---	56.00	25.48	N	OFF	19.5
4.920000	---	28.47	46.00	17.53	N	OFF	19.7
4.920000	33.50	---	56.00	22.50	N	OFF	19.7
7.908000	---	28.91	50.00	21.09	N	OFF	19.8
7.908000	33.53	---	60.00	26.47	N	OFF	19.8
14.356500	---	26.95	50.00	23.05	N	OFF	20.1
14.356500	31.50	---	60.00	28.50	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Ryan Lin, JC Liang, Wilson Wu	Temperature :	21.5~23.5°C
		Relative Humidity :	46.5~49.5%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5115.18	50.23	-23.77	74	41.65	32	6.06	29.48	101	237	P	H
		5069.42	40.37	-13.63	54	31.92	31.88	6.04	29.47	101	237	A	H
	*	5180	93.38	-	-	84.95	31.82	6.1	29.49	101	237	P	H
	*	5180	86	-	-	77.57	31.82	6.1	29.49	101	237	A	H
		5086.32	49.31	-24.69	74	40.79	31.95	6.05	29.48	102	171	P	V
		5110.76	40.41	-13.59	54	31.83	32	6.06	29.48	102	171	A	V
	*	5180	94.44	-	-	86.01	31.82	6.1	29.49	102	171	P	V
	*	5180	87.32	-	-	78.89	31.82	6.1	29.49	102	171	A	V
802.11a CH 44 5220MHz		5053.04	49.04	-24.96	74	40.67	31.81	6.03	29.47	101	236	P	H
		5065.78	40.27	-13.73	54	31.84	31.86	6.04	29.47	101	236	A	H
	*	5220	93.2	-	-	85.01	31.58	6.11	29.5	101	236	P	H
	*	5220	85.95	-	-	77.76	31.58	6.11	29.5	101	236	A	H
		5447.68	47.63	-26.37	74	39.21	31.79	6.17	29.54	101	236	P	H
		5448.52	39.18	-14.82	54	30.76	31.79	6.17	29.54	101	236	A	H
		5071.76	49.37	-24.63	74	40.91	31.89	6.04	29.47	100	172	P	V
		5062.66	40.49	-13.51	54	32.08	31.85	6.03	29.47	100	172	A	V
	*	5220	94.04	-	-	85.85	31.58	6.11	29.5	100	172	P	V
	*	5220	86.87	-	-	78.68	31.58	6.11	29.5	100	172	A	V
		5426.68	47.5	-26.5	74	39.18	31.71	6.15	29.54	100	172	P	V
		5453	39.09	-14.91	54	30.65	31.81	6.17	29.54	100	172	A	V



802.11a CH 48 5240MHz		5036.14	50.1	-23.9	74	41.81	31.74	6.02	29.47	100	236	P	H
		5072.28	40.28	-13.72	54	31.82	31.89	6.04	29.47	100	236	A	H
	*	5240	92.93	-	-	84.86	31.46	6.11	29.5	100	236	P	H
	*	5240	85.58	-	-	77.51	31.46	6.11	29.5	100	236	A	H
		5352.48	47.41	-26.59	74	39.4	31.41	6.12	29.52	100	236	P	H
		5451.88	39.3	-14.7	54	30.87	31.8	6.17	29.54	100	236	A	H
		5100.88	49.52	-24.48	74	40.94	32	6.06	29.48	100	157	P	V
		5073.32	40.32	-13.68	54	31.86	31.89	6.04	29.47	100	157	A	V
	*	5240	93.55	-	-	85.48	31.46	6.11	29.5	100	157	P	V
	*	5240	86.12	-	-	78.05	31.46	6.11	29.5	100	157	A	V
		5387.76	47	-27	74	38.86	31.55	6.12	29.53	100	157	P	V
		5457.48	38.97	-15.03	54	30.52	31.81	6.18	29.54	100	157	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.77	-21.43	68.2	54.08	39.74	9.91	56.96	100	0	P	H
		15540	46.06	-27.94	74	51.3	38.76	12.65	56.65	100	0	P	H
		10360	47.03	-21.17	68.2	54.34	39.74	9.91	56.96	100	0	P	V
		15540	44.18	-29.82	74	49.42	38.76	12.65	56.65	100	0	P	V
802.11a CH 44 5220MHz		10440	47.28	-20.92	68.2	54.31	39.94	9.95	56.92	100	0	P	H
		15660	44.52	-29.48	74	50.09	38.22	12.72	56.51	100	0	P	H
		10440	48.22	-19.98	68.2	55.25	39.94	9.95	56.92	100	0	P	V
		15660	44.74	-29.26	74	50.31	38.22	12.72	56.51	100	0	P	V
802.11a CH 48 5240MHz		10480	46.81	-21.39	68.2	53.77	39.98	9.97	56.91	100	0	P	H
		15720	45.54	-28.46	74	51.14	38.1	12.74	56.44	100	0	P	H
		10480	47.6	-20.6	68.2	54.56	39.98	9.97	56.91	100	0	P	V
		15720	44.82	-29.18	74	50.42	38.1	12.74	56.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 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		5039	49.65	-24.35	74	41.34	31.76	6.02	29.47	100	240	P	H
		5103.22	40.34	-13.66	54	31.76	32	6.06	29.48	100	240	A	H
	*	5180	93.58	-	-	85.15	31.82	6.1	29.49	100	240	P	H
	*	5180	86.01	-	-	77.58	31.82	6.1	29.49	100	240	A	H
		5026.52	49.99	-24.01	74	41.73	31.71	6.01	29.46	101	174	P	V
		5130	40.57	-13.43	54	31.98	32	6.07	29.48	101	174	A	V
	*	5180	95.17	-	-	86.74	31.82	6.1	29.49	101	174	P	V
	*	5180	87.59	-	-	79.16	31.82	6.1	29.49	101	174	A	V
802.11ac VHT20 CH 44 5220MHz		5109.98	49.47	-24.53	74	40.89	32	6.06	29.48	100	238	P	H
		5080.6	40.57	-13.43	54	32.08	31.92	6.04	29.47	100	238	A	H
	*	5220	93.05	-	-	84.86	31.58	6.11	29.5	100	238	P	H
	*	5220	85.58	-	-	77.39	31.58	6.11	29.5	100	238	A	H
		5357.8	47.63	-26.37	74	39.6	31.43	6.12	29.52	100	238	P	H
		5453	39.26	-14.74	54	30.82	31.81	6.17	29.54	100	238	A	H
		5082.16	49.68	-24.32	74	41.17	31.93	6.05	29.47	101	174	P	V
		5072.8	40.44	-13.56	54	31.98	31.89	6.04	29.47	101	174	A	V
	*	5220	94.17	-	-	85.98	31.58	6.11	29.5	101	174	P	V
	*	5220	86.56	-	-	78.37	31.58	6.11	29.5	101	174	A	V
		5436.76	47.81	-26.19	74	39.44	31.75	6.16	29.54	101	174	P	V
		5452.16	39.09	-14.91	54	30.66	31.8	6.17	29.54	101	174	A	V



802.11ac VHT20 CH 48 5240MHz		5057.46	50.55	-23.45	74	42.16	31.83	6.03	29.47	100	237	P	H
		5045.5	40.42	-13.58	54	32.08	31.78	6.03	29.47	100	237	A	H
	*	5240	94.33	-	-	86.26	31.46	6.11	29.5	100	237	P	H
	*	5240	86.84	-	-	78.77	31.46	6.11	29.5	100	237	A	H
		5454.68	47.35	-26.65	74	38.91	31.81	6.17	29.54	100	237	P	H
		5459.16	39.33	-14.67	54	30.87	31.82	6.18	29.54	100	237	A	H
		5030.16	49.34	-24.66	74	41.07	31.72	6.02	29.47	100	162	P	V
		5056.68	40.4	-13.6	54	32.01	31.83	6.03	29.47	100	162	A	V
	*	5240	93.37	-	-	85.3	31.46	6.11	29.5	100	162	P	V
	*	5240	85.9	-	-	77.83	31.46	6.11	29.5	100	162	A	V
		5436.2	48.39	-25.61	74	40.03	31.74	6.16	29.54	100	162	P	V
		5457.48	39.1	-14.9	54	30.65	31.81	6.18	29.54	100	162	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1	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		10360	47.07	-21.13	68.2	54.38	39.74	9.91	56.96	100	0	P	H
VHT20		15540	44.29	-29.71	74	49.53	38.76	12.65	56.65	100	0	P	H
CH 36		10360	47.02	-21.18	68.2	54.33	39.74	9.91	56.96	100	0	P	V
5180MHz		15540	44.7	-29.3	74	49.94	38.76	12.65	56.65	100	0	P	V
802.11ac		10440	47.44	-20.76	68.2	54.47	39.94	9.95	56.92	100	0	P	H
VHT20		15660	44.52	-29.48	74	50.09	38.22	12.72	56.51	100	0	P	H
CH 44		10440	46.62	-21.58	68.2	53.65	39.94	9.95	56.92	100	0	P	V
5220MHz		15660	43.97	-30.03	74	49.54	38.22	12.72	56.51	100	0	P	V
802.11ac		10480	47.46	-20.74	68.2	54.42	39.98	9.97	56.91	100	0	P	H
VHT20		15720	45.06	-28.94	74	50.66	38.1	12.74	56.44	100	0	P	H
CH 48		10480	48.5	-19.7	68.2	55.46	39.98	9.97	56.91	100	0	P	V
5240MHz		15720	44.34	-29.66	74	49.94	38.1	12.74	56.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 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		5033.28	48.94	-25.06	74	40.66	31.73	6.02	29.47	234	243	P	H
		5149.76	41.93	-12.07	54	33.34	32	6.08	29.49	234	243	A	H
	*	5190	89.33	-	-	80.96	31.76	6.1	29.49	234	243	P	H
	*	5190	82.17	-	-	73.8	31.76	6.1	29.49	234	243	A	H
		5448.52	46.72	-27.28	74	38.3	31.79	6.17	29.54	234	243	P	H
		5455.8	39.48	-14.52	54	31.03	31.81	6.18	29.54	234	243	A	H
		5141.18	50.11	-23.89	74	41.52	32	6.08	29.49	100	153	P	V
		5150	43.81	-10.19	54	35.22	32	6.08	29.49	100	153	A	V
	*	5190	90.92	-	-	82.55	31.76	6.1	29.49	100	153	P	V
	*	5190	83.85	-	-	75.48	31.76	6.1	29.49	100	153	A	V
		5449.08	47.2	-26.8	74	38.77	31.8	6.17	29.54	100	153	P	V
		5456.08	39.44	-14.56	54	30.99	31.81	6.18	29.54	100	153	A	V
802.11ac VHT40 CH 46 5230MHz		5102.18	48.98	-25.02	74	40.4	32	6.06	29.48	247	246	P	H
		5065.78	41.06	-12.94	54	32.63	31.86	6.04	29.47	247	246	A	H
	*	5230	91.03	-	-	82.9	31.52	6.11	29.5	247	246	P	H
	*	5230	83.39	-	-	75.26	31.52	6.11	29.5	247	246	A	H
		5355	47.36	-26.64	74	39.34	31.42	6.12	29.52	247	246	P	H
		5459.44	39.4	-14.6	54	30.94	31.82	6.18	29.54	247	246	A	H
		5031.46	49.3	-24.7	74	41.02	31.73	6.02	29.47	100	152	P	V
		5096.46	41.2	-12.8	54	32.64	31.99	6.05	29.48	100	152	A	V
	*	5230	90.15	-	-	82.02	31.52	6.11	29.5	100	152	P	V
	*	5230	82.97	-	-	74.84	31.52	6.11	29.5	100	152	A	V
		5449.64	46.66	-27.34	74	38.23	31.8	6.17	29.54	100	152	P	V
		5458.88	39.46	-14.54	54	31	31.82	6.18	29.54	100	152	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		10380	46.55	-21.65	68.2	53.76	39.82	9.92	56.95	100	0	P	H
		15570	44.96	-29.04	74	50.34	38.58	12.66	56.62	100	0	P	H
		10380	46.03	-22.17	68.2	53.24	39.82	9.92	56.95	100	0	P	V
		15570	45.47	-28.53	74	50.85	38.58	12.66	56.62	100	0	P	V
802.11ac VHT40 CH 46 5230MHz		10460	46.87	-21.33	68.2	53.87	39.96	9.96	56.92	100	0	P	H
		15690	44.23	-29.77	74	49.85	38.13	12.72	56.47	100	0	P	H
		10460	47.74	-20.46	68.2	54.74	39.96	9.96	56.92	100	0	P	V
		15690	44.45	-29.55	74	50.07	38.13	12.72	56.47	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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		5135.98	50.25	-23.75	74	41.66	32	6.07	29.48	248	244	P	H
		5148.72	42.97	-11.03	54	34.38	32	6.08	29.49	248	244	A	H
	*	5210	87.02	-	-	78.77	31.64	6.11	29.5	248	244	P	H
	*	5210	80.11	-	-	71.86	31.64	6.11	29.5	248	244	A	H
		5363.12	47.42	-26.58	74	39.38	31.45	6.12	29.53	248	244	P	H
		5457.48	39.55	-14.45	54	31.1	31.81	6.18	29.54	248	244	A	H
		5141.18	53.07	-20.93	74	44.48	32	6.08	29.49	100	166	P	V
		5148.46	46.18	-7.82	54	37.59	32	6.08	29.49	100	166	A	V
	*	5210	87.34	-	-	79.09	31.64	6.11	29.5	100	166	P	V
	*	5210	80.22	-	-	71.97	31.64	6.11	29.5	100	166	A	V
		5454.68	47.76	-26.24	74	39.32	31.81	6.17	29.54	100	166	P	V
		5456.64	39.37	-14.63	54	30.92	31.81	6.18	29.54	100	166	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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	46.15	-22.05	68.2	53.22	39.92	9.94	56.93	100	0	P	H
		15630	45.11	-28.89	74	50.64	38.31	12.7	56.54	100	0	P	H
		10420	46.59	-21.61	68.2	53.66	39.92	9.94	56.93	100	0	P	V
		15630	45.11	-28.89	74	50.64	38.31	12.7	56.54	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5050.66	49.5	-24.5	74	41.14	31.8	6.03	29.47	228	245	P	H
		5075.82	40.38	-13.62	54	31.91	31.9	6.04	29.47	228	245	A	H
	*	5260	94.31	-	-	86.31	31.4	6.11	29.51	228	245	P	H
	*	5260	86.9	-	-	78.9	31.4	6.11	29.51	228	245	A	H
		5424.48	47.34	-26.66	74	39.04	31.7	6.14	29.54	228	245	P	H
		5457.6	38.95	-15.05	54	30.49	31.82	6.18	29.54	228	245	A	H
		5047.26	50.12	-23.88	74	41.77	31.79	6.03	29.47	100	161	P	V
		5076.16	40.43	-13.57	54	31.96	31.9	6.04	29.47	100	161	A	V
	*	5260	92.94	-	-	84.94	31.4	6.11	29.51	100	161	P	V
	*	5260	85.5	-	-	77.5	31.4	6.11	29.51	100	161	A	V
		5391.84	48.32	-25.68	74	40.16	31.57	6.12	29.53	100	161	P	V
		5457.36	38.97	-15.03	54	30.52	31.81	6.18	29.54	100	161	A	V
802.11a CH 60 5300MHz		5120.7	48.79	-25.21	74	40.2	32	6.07	29.48	241	243	P	H
		5090.78	40.41	-13.59	54	31.88	31.96	6.05	29.48	241	243	A	H
	*	5300	94.85	-	-	86.85	31.4	6.11	29.51	241	243	P	H
	*	5300	87.47	-	-	79.47	31.4	6.11	29.51	241	243	A	H
		5421.12	47.71	-26.29	74	39.43	31.68	6.14	29.54	241	243	P	H
		5455.92	38.94	-15.06	54	30.49	31.81	6.18	29.54	241	243	A	H
		5093.16	48.78	-25.22	74	40.24	31.97	6.05	29.48	100	159	P	V
		5083.98	40.35	-13.65	54	31.84	31.94	6.05	29.48	100	159	A	V
	*	5300	93.34	-	-	85.34	31.4	6.11	29.51	100	159	P	V
	*	5300	86	-	-	78	31.4	6.11	29.51	100	159	A	V
		5454.72	47.43	-26.57	74	38.99	31.81	6.17	29.54	100	159	P	V
		5457.6	39.24	-14.76	54	30.78	31.82	6.18	29.54	100	159	A	V



802.11a CH 64 5320MHz	*	5320	94.77	-	-	86.77	31.4	6.12	29.52	251	242	P	H
	*	5320	87.43	-	-	79.43	31.4	6.12	29.52	251	242	A	H
		5384.48	47.17	-26.83	74	39.04	31.54	6.12	29.53	251	242	P	H
		5453.28	38.99	-15.01	54	30.55	31.81	6.17	29.54	251	242	A	H
	*	5320	93.39	-	-	85.39	31.4	6.12	29.52	100	159	P	V
	*	5320	85.94	-	-	77.94	31.4	6.12	29.52	100	159	A	V
		5376.8	48.67	-25.33	74	40.57	31.51	6.12	29.53	100	159	P	V
		5448.16	38.91	-15.09	54	30.49	31.79	6.17	29.54	100	159	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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	47.04	-21.16	68.2	53.94	39.98	10	56.88	100	0	P	H
		15780	45.71	-28.29	74	51.19	38.1	12.78	56.36	100	0	P	H
		10520	47.09	-21.11	68.2	53.99	39.98	10	56.88	100	0	P	V
		15780	44.87	-29.13	74	50.35	38.1	12.78	56.36	100	0	P	V
802.11a CH 60 5300MHz		10600	47.65	-26.35	74	54.53	39.9	10.04	56.82	100	0	P	H
		15900	45.48	-28.52	74	51.16	37.7	12.84	56.22	100	0	P	H
		10600	47.66	-26.34	74	54.54	39.9	10.04	56.82	100	0	P	V
		15900	45.34	-28.66	74	51.02	37.7	12.84	56.22	100	0	P	V
802.11a CH 64 5320MHz		10640	47.13	-26.87	74	53.85	40.02	10.05	56.79	100	0	P	H
		15960	44.78	-29.22	74	50.36	37.7	12.87	56.15	100	0	P	H
		10640	47.7	-26.3	74	54.42	40.02	10.05	56.79	100	0	P	V
		15960	45.03	-28.97	74	50.61	37.7	12.87	56.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 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		5049.98	48.99	-25.01	74	40.63	31.8	6.03	29.47	243	246	P	H
		5094.18	40.31	-13.69	54	31.76	31.98	6.05	29.48	243	246	A	H
	*	5260	94.23	-	-	86.23	31.4	6.11	29.51	243	246	P	H
	*	5260	86.71	-	-	78.71	31.4	6.11	29.51	243	246	A	H
		5381.04	47.53	-26.47	74	39.42	31.52	6.12	29.53	243	246	P	H
		5450.64	38.85	-15.15	54	30.42	31.8	6.17	29.54	243	246	A	H
		5023.12	49.65	-24.35	74	41.41	31.69	6.01	29.46	100	161	P	V
		5093.16	40.33	-13.67	54	31.79	31.97	6.05	29.48	100	161	A	V
	*	5260	93.25	-	-	85.25	31.4	6.11	29.51	100	161	P	V
	*	5260	85.61	-	-	77.61	31.4	6.11	29.51	100	161	A	V
		5445.6	48.04	-25.96	74	39.63	31.78	6.17	29.54	100	161	P	V
		5456.4	38.85	-15.15	54	30.4	31.81	6.18	29.54	100	161	A	V
802.11ac VHT20 CH 60 5300MHz		5043.18	49.7	-24.3	74	41.38	31.77	6.02	29.47	241	245	P	H
		5098.6	40.36	-13.64	54	31.8	31.99	6.05	29.48	241	245	A	H
	*	5300	94.83	-	-	86.83	31.4	6.11	29.51	241	245	P	H
	*	5300	87.23	-	-	79.23	31.4	6.11	29.51	241	245	A	H
		5455.44	47.21	-26.79	74	38.76	31.81	6.18	29.54	241	245	P	H
		5455.68	38.87	-15.13	54	30.42	31.81	6.18	29.54	241	245	A	H
		5138.72	50	-24	74	41.4	32	6.08	29.48	100	160	P	V
		5048.62	40.42	-13.58	54	32.07	31.79	6.03	29.47	100	160	A	V
	*	5300	93.44	-	-	85.44	31.4	6.11	29.51	100	160	P	V
	*	5300	85.67	-	-	77.67	31.4	6.11	29.51	100	160	A	V
		5447.28	47.81	-26.19	74	39.39	31.79	6.17	29.54	100	160	P	V
		5459.52	38.84	-15.16	54	30.38	31.82	6.18	29.54	100	160	A	V



802.11ac VHT20 CH 64 5320MHz	*	5320	94.83	-	-	86.83	31.4	6.12	29.52	253	244	P	H
	*	5320	87.3	-	-	79.3	31.4	6.12	29.52	253	244	A	H
		5422.4	47.12	-26.88	74	38.83	31.69	6.14	29.54	253	244	P	H
		5458.56	38.94	-15.06	54	30.48	31.82	6.18	29.54	253	244	A	H
	*	5320	93.41	-	-	85.41	31.4	6.12	29.52	100	160	P	V
	*	5320	86.01	-	-	78.01	31.4	6.12	29.52	100	160	A	V
		5440.8	48.41	-25.59	74	40.03	31.76	6.16	29.54	100	160	P	V
		5458.56	38.93	-15.07	54	30.47	31.82	6.18	29.54	100	160	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 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		10520	47.38	-20.82	68.2	54.28	39.98	10	56.88	100	0	P	H
VHT20		15780	45.13	-28.87	74	50.61	38.1	12.78	56.36	100	0	P	H
CH 52		10520	48	-20.2	68.2	54.9	39.98	10	56.88	100	0	P	V
5260MHz		15780	44.76	-29.24	74	50.24	38.1	12.78	56.36	100	0	P	V
802.11ac		10600	47.29	-26.71	74	54.17	39.9	10.04	56.82	100	0	P	H
VHT20		15900	45.32	-28.68	74	51	37.7	12.84	56.22	100	0	P	H
CH 60		10600	47	-27	74	53.88	39.9	10.04	56.82	100	0	P	V
5300MHz		15900	44.73	-29.27	74	50.41	37.7	12.84	56.22	100	0	P	V
802.11ac		10640	48.17	-25.83	74	54.89	40.02	10.05	56.79	100	0	P	H
VHT20		15960	45.3	-28.7	74	50.88	37.7	12.87	56.15	100	0	P	H
CH 64		10640	46.94	-27.06	74	53.66	40.02	10.05	56.79	100	0	P	V
5320MHz		15960	44.49	-29.51	74	50.07	37.7	12.87	56.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 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		5048.28	49.58	-24.42	74	41.23	31.79	6.03	29.47	241	244	P	H
		5096.9	41.15	-12.85	54	32.59	31.99	6.05	29.48	241	244	A	H
	*	5270	91.85	-	-	83.85	31.4	6.11	29.51	241	244	P	H
	*	5270	84.33	-	-	76.33	31.4	6.11	29.51	241	244	A	H
		5459.52	48.36	-25.64	74	39.9	31.82	6.18	29.54	241	244	P	H
		5446.08	39.47	-14.53	54	31.06	31.78	6.17	29.54	241	244	A	H
		5043.18	48.7	-25.3	74	40.38	31.77	6.02	29.47	101	160	P	V
		5043.52	41.29	-12.71	54	32.97	31.77	6.02	29.47	101	160	A	V
	*	5270	90.64	-	-	82.64	31.4	6.11	29.51	101	160	P	V
	*	5270	83.06	-	-	75.06	31.4	6.11	29.51	101	160	A	V
		5449.92	47.03	-26.97	74	38.6	31.8	6.17	29.54	101	160	P	V
		5455.44	39.64	-14.36	54	31.19	31.81	6.18	29.54	101	160	A	V
802.11ac VHT40 CH 62 5310MHz		5094.52	48.96	-25.04	74	40.41	31.98	6.05	29.48	243	243	P	H
		5116.62	41.06	-12.94	54	32.48	32	6.06	29.48	243	243	A	H
	*	5310	92.21	-	-	84.21	31.4	6.12	29.52	243	243	P	H
	*	5310	84.62	-	-	76.62	31.4	6.12	29.52	243	243	A	H
		5350.08	49.18	-24.82	74	41.18	31.4	6.12	29.52	243	243	P	H
		5350.8	42.21	-11.79	54	34.21	31.4	6.12	29.52	243	243	A	H
		5065.62	48.78	-25.22	74	40.35	31.86	6.04	29.47	104	159	P	V
		5081.94	41.09	-12.91	54	32.58	31.93	6.05	29.47	104	159	A	V
	*	5310	90.83	-	-	82.83	31.4	6.12	29.52	104	159	P	V
	*	5310	83.17	-	-	75.17	31.4	6.12	29.52	104	159	A	V
		5351.52	48.73	-25.27	74	40.72	31.41	6.12	29.52	104	159	P	V
		5350.56	41.72	-12.28	54	33.72	31.4	6.12	29.52	104	159	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	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		10540	46.26	-21.94	68.2	53.16	39.96	10.01	56.87	100	0	P	H
VHT40		15810	43.97	-30.03	74	49.44	38.06	12.8	56.33	100	0	P	H
CH 54		10540	46.64	-21.56	68.2	53.54	39.96	10.01	56.87	100	0	P	V
5270MHz		15810	44.7	-29.3	74	50.17	38.06	12.8	56.33	100	0	P	V
802.11ac		10620	47.1	-26.9	74	53.9	39.96	10.04	56.8	100	0	P	H
VHT40		15930	44.88	-29.12	74	50.5	37.7	12.86	56.18	100	0	P	H
CH 62		10620	46.93	-27.07	74	53.73	39.96	10.04	56.8	100	0	P	V
5310MHz		15930	44.67	-29.33	74	50.29	37.7	12.86	56.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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		5047.94	49.32	-24.68	74	40.97	31.79	6.03	29.47	253	244	P	H
		5114.24	41.04	-12.96	54	32.46	32	6.06	29.48	253	244	A	H
	*	5290	88.03	-	-	80.03	31.4	6.11	29.51	253	244	P	H
	*	5290	81.16	-	-	73.16	31.4	6.11	29.51	253	244	A	H
		5362.56	51.47	-22.53	74	43.43	31.45	6.12	29.53	253	244	P	H
		5350.32	43.96	-10.04	54	35.96	31.4	6.12	29.52	253	244	A	H
		5064.94	49.22	-24.78	74	40.79	31.86	6.04	29.47	100	162	P	V
		5071.06	41	-13	54	32.55	31.88	6.04	29.47	100	162	A	V
	*	5290	87.26	-	-	79.26	31.4	6.11	29.51	100	162	P	V
	*	5290	80.02	-	-	72.02	31.4	6.11	29.51	100	162	A	V
		5351.28	49.65	-24.35	74	41.64	31.41	6.12	29.52	100	162	P	V
		5350.32	42.63	-11.37	54	34.63	31.4	6.12	29.52	100	162	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. 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	46.04	-22.16	68.2	52.93	39.92	10.03	56.84	100	0	P	H
		15870	45.26	-28.74	74	50.88	37.82	12.82	56.26	100	0	P	H
		10580	46.81	-21.39	68.2	53.7	39.92	10.03	56.84	100	0	P	V
		15870	44.51	-29.49	74	50.13	37.82	12.82	56.26	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5455.92	49.11	-24.89	74	40.66	31.81	6.18	29.54	273	294	P	H
		5469.52	48.74	-19.46	68.2	40.25	31.84	6.19	29.54	273	294	P	H
		5457.84	40.05	-13.95	54	31.59	31.82	6.18	29.54	273	294	A	H
	*	5500	100.41	-	-	91.84	31.9	6.22	29.55	273	294	P	H
	*	5500	92.89	-	-	84.32	31.9	6.22	29.55	273	294	A	H
		5392.72	48.42	-25.58	74	40.26	31.57	6.12	29.53	127	264	P	V
		5460.08	48.35	-19.85	68.2	39.89	31.82	6.18	29.54	127	264	P	V
		5457.84	39.29	-14.71	54	30.83	31.82	6.18	29.54	127	264	A	V
	*	5500	96.59	-	-	88.02	31.9	6.22	29.55	127	264	P	V
	*	5500	89.4	-	-	80.83	31.9	6.22	29.55	127	264	A	V
802.11a CH 116 5580MHz		5452.24	47.58	-26.42	74	39.15	31.8	6.17	29.54	264	296	P	H
		5469.28	47.88	-20.32	68.2	39.39	31.84	6.19	29.54	264	296	P	H
		5458.96	39.22	-14.78	54	30.76	31.82	6.18	29.54	264	296	A	H
	*	5580	101.18	-	-	92.59	31.84	6.3	29.55	264	296	P	H
	*	5580	93.62	-	-	85.03	31.84	6.3	29.55	264	296	A	H
		5729.405	47.28	-20.92	68.2	38.34	32.12	6.37	29.55	264	296	P	H
		5448.88	46.82	-27.18	74	38.39	31.8	6.17	29.54	226	253	P	V
		5468.8	47.41	-20.79	68.2	38.92	31.84	6.19	29.54	226	253	P	V
		5454.16	39	-15	54	30.56	31.81	6.17	29.54	226	253	A	V
	*	5580	96.37	-	-	87.78	31.84	6.3	29.55	226	253	P	V
	*	5580	89.2	-	-	80.61	31.84	6.3	29.55	226	253	A	V
		5727.83	48.25	-19.95	68.2	39.32	32.11	6.37	29.55	226	253	P	V



802.11a CH 140 5700MHz	*	5700	100.22	-	-	91.41	32	6.36	29.55	282	291	P	H
	*	5700	92.83	-	-	84.02	32	6.36	29.55	282	291	A	H
		5754.6	52.87	-15.33	68.2	43.84	32.21	6.38	29.56	282	291	P	H
	*	5700	96.62	-	-	87.81	32	6.36	29.55	233	246	P	V
	*	5700	89.53	-	-	80.72	32	6.36	29.55	233	246	A	V
		5739.64	52.29	-15.91	68.2	43.3	32.16	6.38	29.55	233	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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	46.91	-27.09	74	52.69	40.5	10.22	56.5	100	0	P	H
		16500	46.68	-21.52	68.2	50.19	39.4	12.79	55.7	100	0	P	H
		11000	47	-27	74	52.78	40.5	10.22	56.5	100	0	P	V
		16500	46.08	-22.12	68.2	49.59	39.4	12.79	55.7	100	0	P	V
802.11a CH 116 5580MHz		11160	46.55	-27.45	74	52.77	39.92	10.3	56.44	100	0	P	H
		16740	46.84	-21.36	68.2	49.89	40.1	12.74	55.89	100	0	P	H
		11160	47.39	-26.61	74	53.61	39.92	10.3	56.44	100	0	P	V
		16740	46.87	-21.33	68.2	49.92	40.1	12.74	55.89	100	0	P	V
802.11a CH 140 5700MHz		11400	46.69	-27.31	74	52.71	39.9	10.42	56.34	100	0	P	H
		17100	47.89	-20.31	68.2	51.49	39.9	12.8	56.3	100	0	P	H
		11400	46.99	-27.01	74	53.01	39.9	10.42	56.34	100	0	P	V
		17100	47.11	-21.09	68.2	50.71	39.9	12.8	56.3	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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		5443.76	49.06	-24.94	74	40.66	31.78	6.16	29.54	276	288	P	H
		5463.28	49.02	-19.18	68.2	40.55	31.83	6.18	29.54	276	288	P	H
		5459.76	39.77	-14.23	54	31.31	31.82	6.18	29.54	276	288	A	H
	*	5500	100.34	-	-	91.77	31.9	6.22	29.55	276	288	P	H
	*	5500	92.58	-	-	84.01	31.9	6.22	29.55	276	288	A	H
		5443.28	48.29	-25.71	74	39.9	31.77	6.16	29.54	208	256	P	V
		5465.52	48.22	-19.98	68.2	39.74	31.83	6.19	29.54	208	256	P	V
		5459.76	39.05	-14.95	54	30.59	31.82	6.18	29.54	208	256	A	V
	*	5500	95.28	-	-	86.71	31.9	6.22	29.55	208	256	P	V
	*	5500	88.39	-	-	79.82	31.9	6.22	29.55	208	256	A	V
802.11ac VHT20 CH 116 5580MHz		5410.72	47.15	-26.85	74	38.91	31.64	6.13	29.53	287	289	P	H
		5460.88	46.88	-21.32	68.2	38.42	31.82	6.18	29.54	287	289	P	H
		5452.72	38.82	-15.18	54	30.38	31.81	6.17	29.54	287	289	A	H
	*	5580	101.12	-	-	92.53	31.84	6.3	29.55	287	289	P	H
	*	5580	93.5	-	-	84.91	31.84	6.3	29.55	287	289	A	H
		5736.02	48.47	-19.73	68.2	39.51	32.14	6.37	29.55	287	289	P	H
		5450.32	46.85	-27.15	74	38.42	31.8	6.17	29.54	204	242	P	V
		5467.84	45.73	-22.47	68.2	37.24	31.84	6.19	29.54	204	242	P	V
		5458.48	38.92	-15.08	54	30.46	31.82	6.18	29.54	204	242	A	V
	*	5580	96.37	-	-	87.78	31.84	6.3	29.55	204	242	P	V
	*	5580	88.6	-	-	80.01	31.84	6.3	29.55	204	242	A	V
		5730.035	47.98	-20.22	68.2	39.04	32.12	6.37	29.55	204	242	P	V



802.11ac VHT20 CH 140 5700MHz	*	5700	100.16	-	-	91.35	32	6.36	29.55	289	291	P	H
	*	5700	92.84	-	-	84.03	32	6.36	29.55	289	291	A	H
		5735.08	49.7	-18.5	68.2	40.74	32.14	6.37	29.55	289	291	P	H
	*	5700	97.17	-	-	88.36	32	6.36	29.55	234	245	P	V
	*	5700	89.69	-	-	80.88	32	6.36	29.55	234	245	A	V
		5732.76	49.57	-18.63	68.2	40.62	32.13	6.37	29.55	234	245	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 VHT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11000	47.9	-26.1	74	53.68	40.5	10.22	56.5	100	0	P	H
VHT20		16500	46.07	-22.13	68.2	49.58	39.4	12.79	55.7	100	0	P	H
CH 100		11000	47.61	-26.39	74	53.39	40.5	10.22	56.5	100	0	P	V
5500MHz		16500	45.7	-22.5	68.2	49.21	39.4	12.79	55.7	100	0	P	V
802.11ac		11160	46.05	-27.95	74	52.27	39.92	10.3	56.44	100	0	P	H
VHT20		16740	46.74	-21.46	68.2	49.79	40.1	12.74	55.89	100	0	P	H
CH 116		11160	45.75	-28.25	74	51.97	39.92	10.3	56.44	100	0	P	V
5580MHz		16740	48.43	-19.77	68.2	51.48	40.1	12.74	55.89	100	0	P	V
802.11ac		11400	47.39	-26.61	74	53.41	39.9	10.42	56.34	100	0	P	H
VHT20		17100	47.35	-20.85	68.2	50.95	39.9	12.8	56.3	100	0	P	H
CH 140		11400	46.04	-27.96	74	52.06	39.9	10.42	56.34	100	0	P	V
5700MHz		17100	47.51	-20.69	68.2	51.11	39.9	12.8	56.3	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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		5444.56	49.32	-24.68	74	40.92	31.78	6.16	29.54	307	287	P	H
		5466.64	54.39	-13.81	68.2	45.91	31.83	6.19	29.54	307	287	P	H
		5459.92	41.75	-12.25	54	33.29	31.82	6.18	29.54	307	287	A	H
	*	5510	99.09	-	-	90.51	31.9	6.23	29.55	307	287	P	H
	*	5510	90.62	-	-	82.04	31.9	6.23	29.55	307	287	A	H
		5750.195	48.27	-19.93	68.2	39.25	32.2	6.38	29.56	307	287	P	H
		5458.96	48.32	-25.68	74	39.86	31.82	6.18	29.54	216	243	P	V
		5467.84	51.02	-17.18	68.2	42.53	31.84	6.19	29.54	216	243	P	V
		5459.92	40.31	-13.69	54	31.85	31.82	6.18	29.54	216	243	A	V
	*	5510	94.21	-	-	85.63	31.9	6.23	29.55	216	243	P	V
	*	5510	85.79	-	-	77.21	31.9	6.23	29.55	216	243	A	V
		5731.925	48.45	-19.75	68.2	39.5	32.13	6.37	29.55	216	243	P	V
802.11ac VHT40 CH 110 5550MHz		5436.4	47.36	-26.64	74	38.99	31.75	6.16	29.54	316	289	P	H
		5468.32	48.89	-19.31	68.2	40.4	31.84	6.19	29.54	316	289	P	H
		5458	39.96	-14.04	54	31.5	31.82	6.18	29.54	316	289	A	H
	*	5550	99.37	-	-	90.75	31.9	6.27	29.55	316	289	P	H
	*	5550	91.38	-	-	82.76	31.9	6.27	29.55	316	289	A	H
		5754.29	49.6	-18.6	68.2	40.57	32.21	6.38	29.56	316	289	P	H
		5422.72	48.14	-25.86	74	39.85	31.69	6.14	29.54	100	173	P	V
		5462.08	48.18	-20.02	68.2	39.72	31.82	6.18	29.54	100	173	P	V
		5452.72	39.59	-14.41	54	31.15	31.81	6.17	29.54	100	173	A	V
	*	5550	95.23	-	-	86.61	31.9	6.27	29.55	100	173	P	V
	*	5550	86.89	-	-	78.27	31.9	6.27	29.55	100	173	A	V
		5751.455	48.24	-19.96	68.2	39.22	32.2	6.38	29.56	100	173	P	V



802.11ac VHT40 CH 134 5670MHz		5458.85	46.68	-27.32	74	38.22	31.82	6.18	29.54	301	291	P	H
		5464.45	45.52	-22.68	68.2	37.05	31.83	6.18	29.54	301	291	P	H
		5456.75	39.47	-14.53	54	31.02	31.81	6.18	29.54	301	291	A	H
	*	5670	98.81	-	-	90.13	31.88	6.35	29.55	301	291	P	H
	*	5670	91	-	-	82.32	31.88	6.35	29.55	301	291	A	H
		5730.35	50.44	-17.76	68.2	41.5	32.12	6.37	29.55	301	291	P	H
		5421.05	47.51	-26.49	74	39.23	31.68	6.14	29.54	208	244	P	V
		5463.75	48.04	-20.16	68.2	39.57	31.83	6.18	29.54	208	244	P	V
		5451.5	39.3	-14.7	54	30.87	31.8	6.17	29.54	208	244	A	V
	*	5670	93.71	-	-	85.03	31.88	6.35	29.55	208	244	P	V
	*	5670	86.25	-	-	77.57	31.88	6.35	29.55	208	244	A	V
		5742.95	48.86	-19.34	68.2	39.86	32.17	6.38	29.55	208	244	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	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		11020	47.66	-26.34	74	53.5	40.42	10.23	56.49	100	0	P	H
VHT40		16530	45.8	-22.4	68.2	49.3	39.43	12.79	55.72	100	0	P	H
CH 102		11020	46.84	-27.16	74	52.68	40.42	10.23	56.49	100	0	P	V
5510MHz		16530	45.64	-22.56	68.2	49.14	39.43	12.79	55.72	100	0	P	V
802.11ac		11100	47.94	-26.06	74	54.03	40.1	10.27	56.46	100	0	P	H
VHT40		16650	47.81	-20.39	68.2	51.16	39.7	12.77	55.82	100	0	P	H
CH 110		11100	47.55	-26.45	74	53.64	40.1	10.27	56.46	100	0	P	V
5550MHz		16650	46.72	-21.48	68.2	50.07	39.7	12.77	55.82	100	0	P	V
802.11ac		11340	46.02	-27.98	74	52.15	39.84	10.39	56.36	100	0	P	H
VHT40		17010	47.74	-20.46	68.2	51.17	39.99	12.7	56.12	100	0	P	H
CH 134		11340	46.62	-27.38	74	52.75	39.84	10.39	56.36	100	0	P	V
5670MHz		17010	46.75	-21.45	68.2	50.18	39.99	12.7	56.12	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 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		5459.2	54.35	-19.65	74	45.89	31.82	6.18	29.54	306	289	P	H
		5467.84	56.29	-11.91	68.2	47.8	31.84	6.19	29.54	306	289	P	H
		5458.72	46.63	-7.37	54	38.17	31.82	6.18	29.54	306	289	A	H
	*	5530	96.14	-	-	87.54	31.9	6.25	29.55	306	289	P	H
	*	5530	87.63	-	-	79.03	31.9	6.25	29.55	306	289	A	H
		5750.825	48.32	-19.88	68.2	39.3	32.2	6.38	29.56	306	289	P	H
		5459.44	51.19	-22.81	74	42.73	31.82	6.18	29.54	219	256	P	V
		5467.84	51.7	-16.5	68.2	43.21	31.84	6.19	29.54	219	256	P	V
		5458.24	42.94	-11.06	54	34.48	31.82	6.18	29.54	219	256	A	V
	*	5530	90.96	-	-	82.36	31.9	6.25	29.55	219	256	P	V
	*	5530	82.69	-	-	74.09	31.9	6.25	29.55	219	256	A	V
		5764.37	48.77	-19.43	68.2	39.71	32.23	6.39	29.56	219	256	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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	47.2	-26.8	74	53.17	40.26	10.25	56.48	100	0	P	H
		16590	46.49	-21.71	68.2	50	39.49	12.77	55.77	100	0	P	H
		11060	48.15	-25.85	74	54.12	40.26	10.25	56.48	100	0	P	V
		16590	46.92	-21.28	68.2	50.43	39.49	12.77	55.77	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		44.55	21.04	-18.96	40	36.03	16.78	0.52	32.29	-	-	P	H
		113.42	21.12	-22.38	43.5	35.6	16.8	0.92	32.2	-	-	P	H
		256.98	20	-26	46	31.57	19.22	1.36	32.15	-	-	P	H
		479.11	25.51	-20.49	46	32.69	23.18	1.81	32.17	-	-	P	H
		757.5	31.2	-14.8	46	33.04	27.8	2.34	31.98	100	0	P	H
		975.75	33.67	-20.33	54	31.33	30.39	2.72	30.77	-	-	P	H
		42.61	31.63	-8.37	40	45.37	18.03	0.52	32.29	100	0	P	V
		104.69	21.55	-21.95	43.5	36.69	16.21	0.86	32.21	-	-	P	V
		258.92	20.09	-25.91	46	31.35	19.53	1.36	32.15	-	-	P	V
		390.84	22.68	-23.32	46	31.96	21.15	1.73	32.16	-	-	P	V
		751.68	30.49	-15.51	46	32.35	27.8	2.33	31.99	-	-	P	V
		974.78	33.75	-20.25	54	31.41	30.4	2.71	30.77	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

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

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

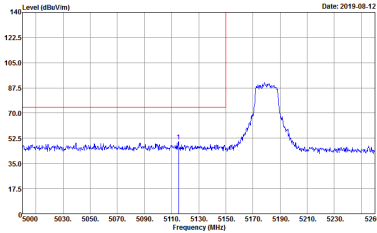
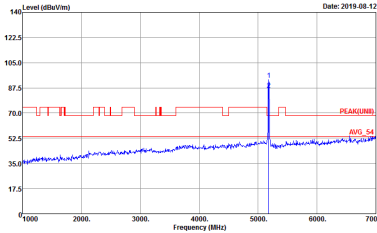
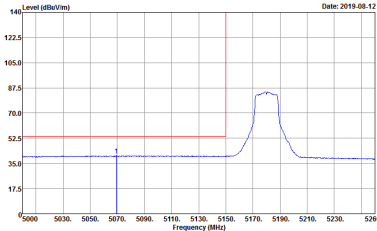
Test Engineer :	Ryan Lin, JC Liang, Wilson Wu	Temperature :	21.5~23.5°C
		Relative Humidity :	46.5~49.5%

Note symbol

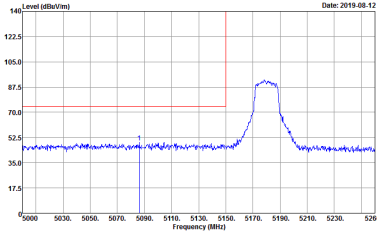
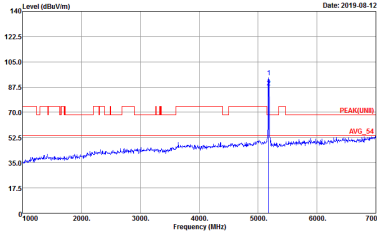
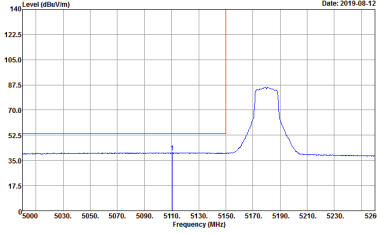
-L	Low channel location
-R	High channel location



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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 1 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 1 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 1 Power : 12	Left blank

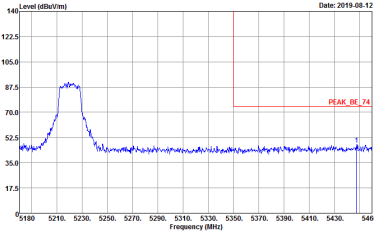
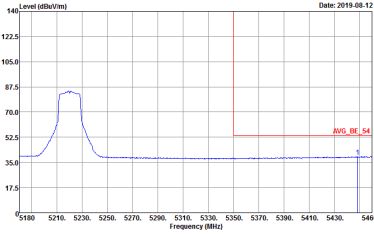


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 1 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 1 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 1 Power : 12	Left blank

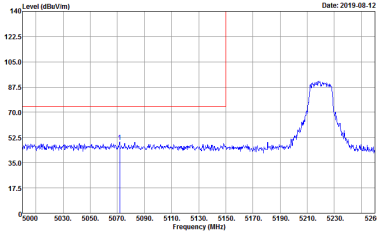
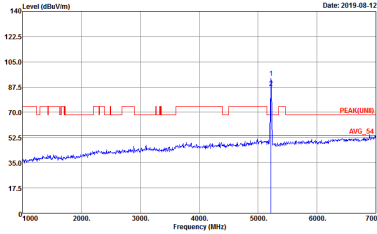
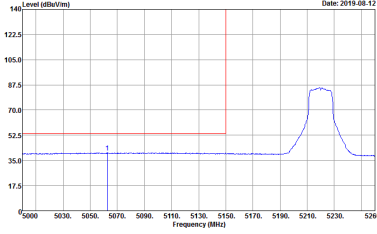


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 2 Power : 12	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 2 Power : 12
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 2 Power : 12	Left blank

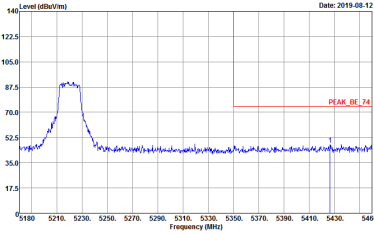
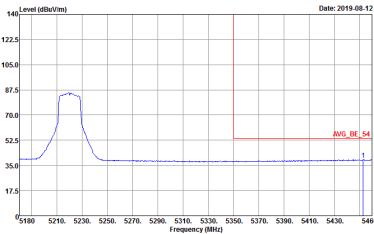


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 2 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 2 Power : 12	Left blank

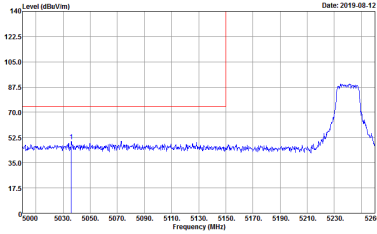
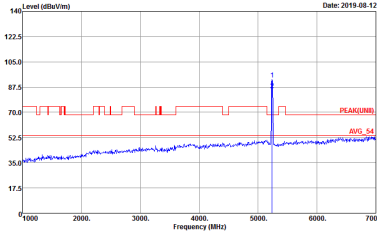
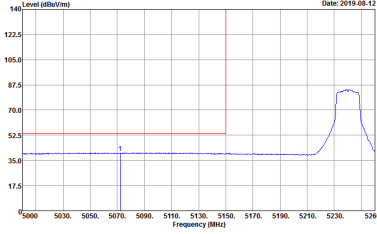


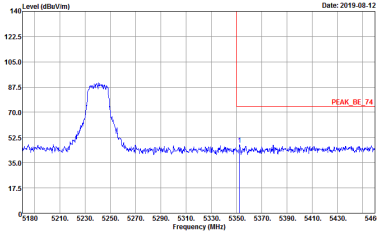
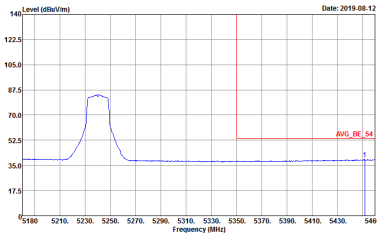
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 2 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 2 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 2 Power : 12	Left blank



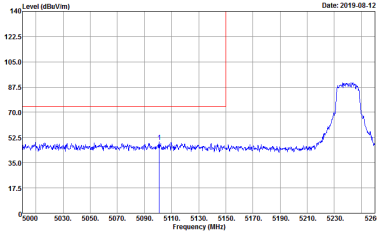
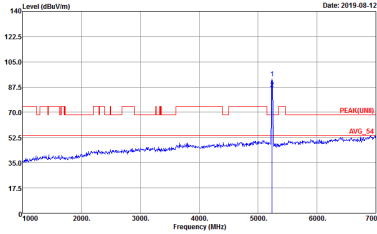
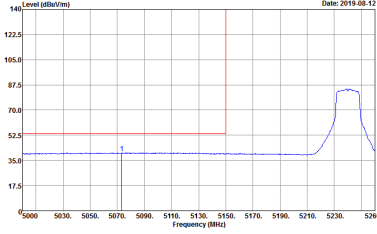
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 2 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 2 Power : 12	Left blank



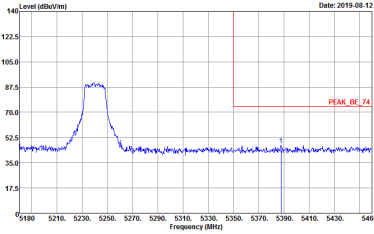
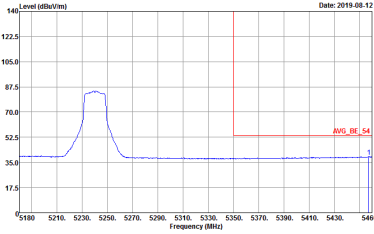
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	Left blank

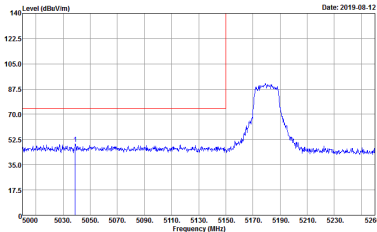
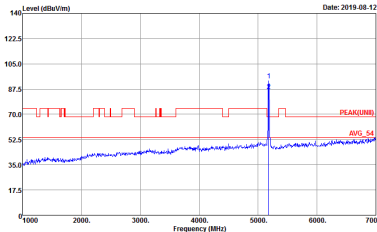
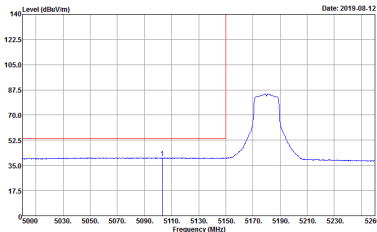


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	Left blank

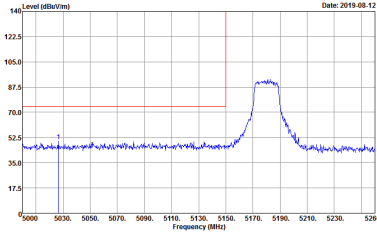
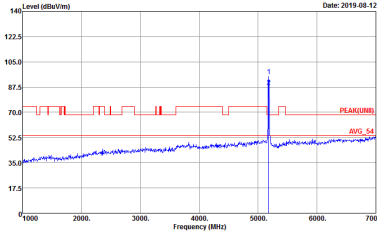
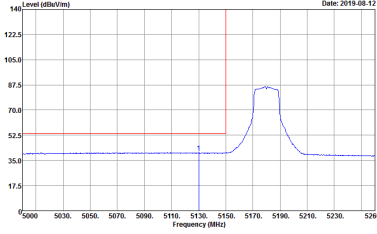


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5	Left blank

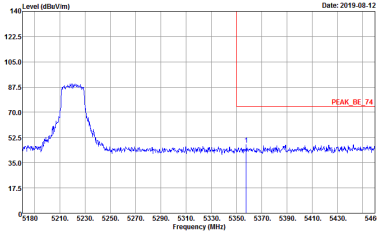
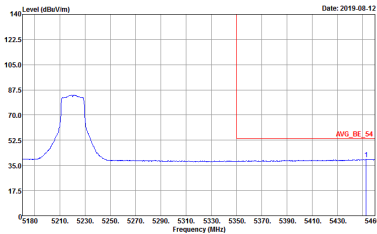


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5	Left blank

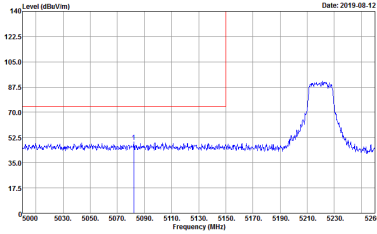
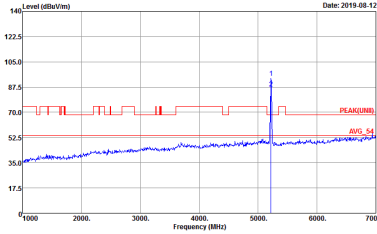
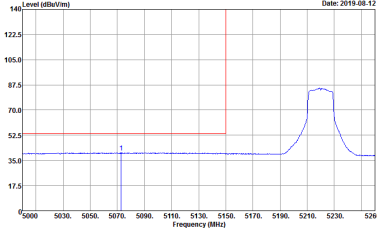


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 5 Power : 12	Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 5 Power : 12
Avg.	Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 5 Power : 12	Left blank

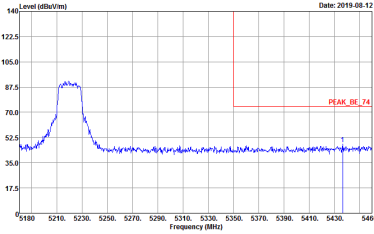
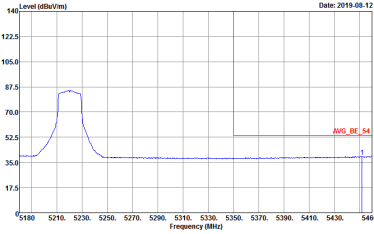


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 5 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 5 Power : 12	Left blank

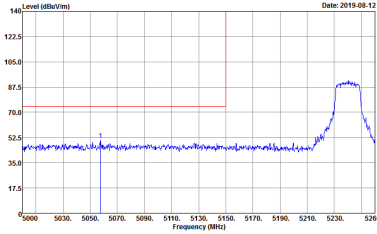
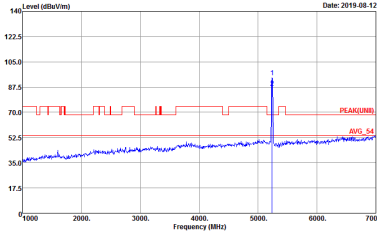
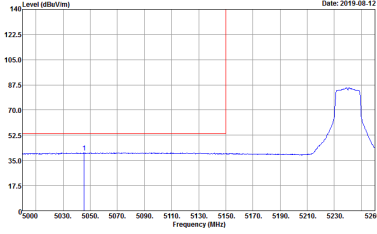


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 5 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 5 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 5 Power : 12	Left blank

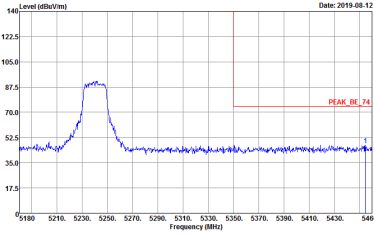
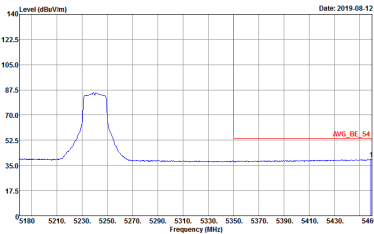


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 5 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 5 Power : 12	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 6 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 6 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 6 Power : 12	Left blank

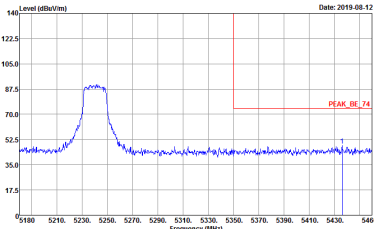
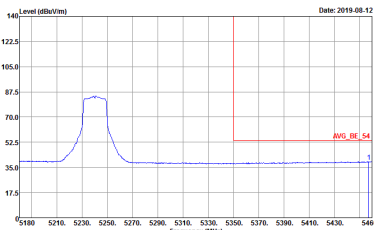


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 6 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 6 Power : 12	Left blank

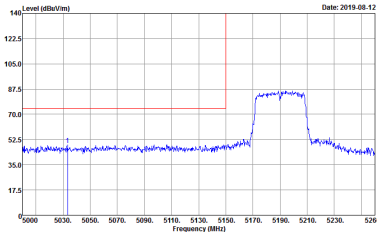
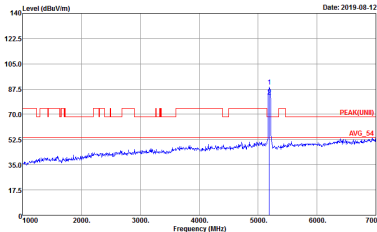
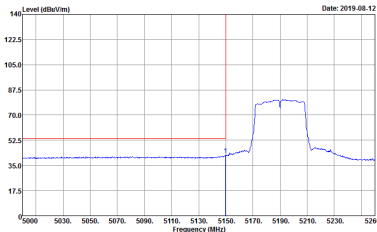


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 6 Power : 12	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 6 Power : 12
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 6 Power : 12	Left blank

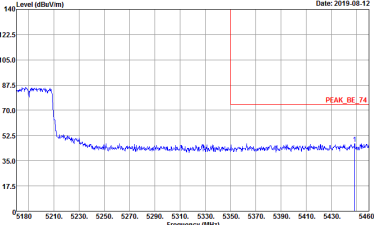
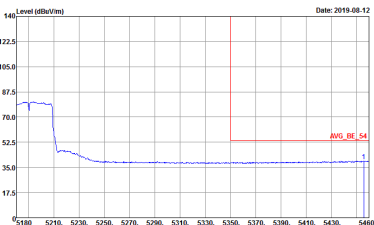


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 6 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 6 Power : 12	Left blank

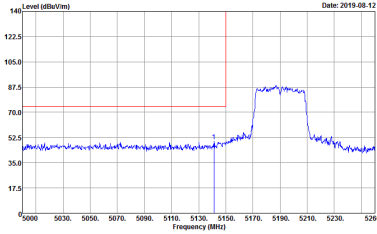
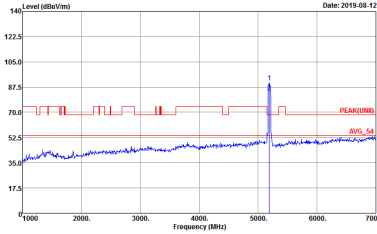
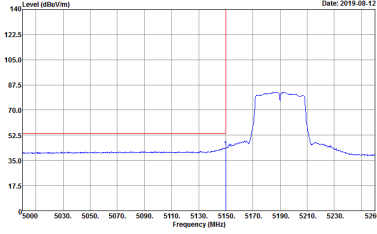
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 7 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 7 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 7 Power : 12	Left blank

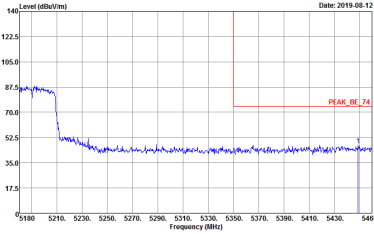
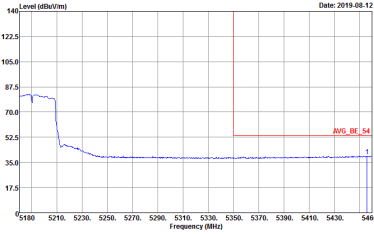


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 7 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 7 Power : 12	Left blank

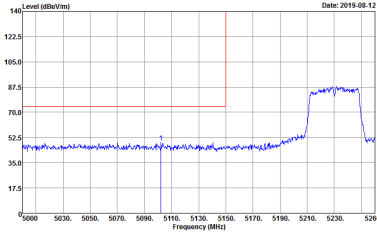
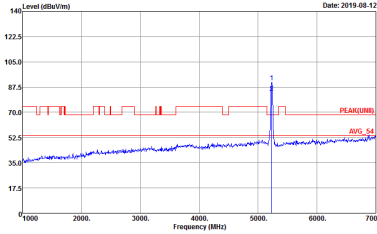
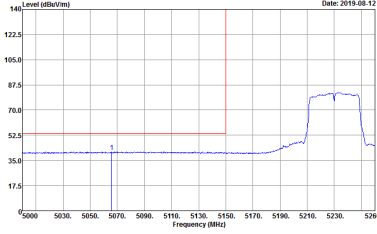


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 7 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 7 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 7 Power : 12	Left blank

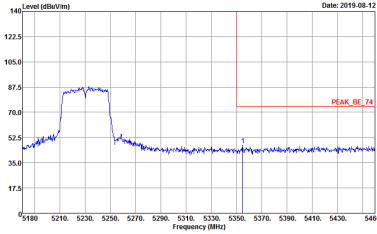
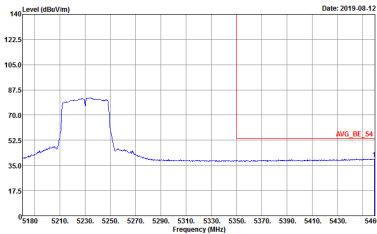


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 7 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 7 Power : 12	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	Left blank

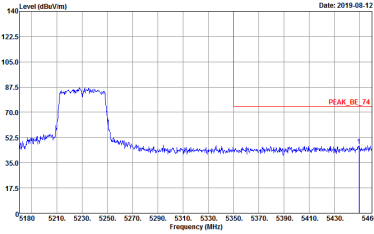
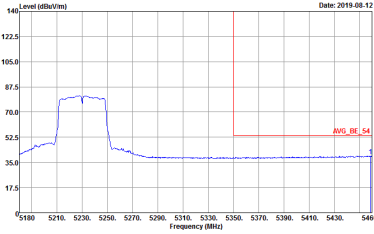


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	Left blank

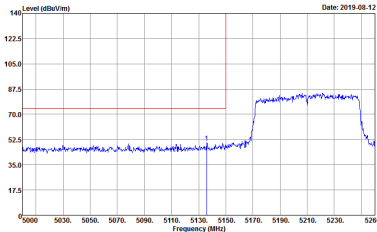
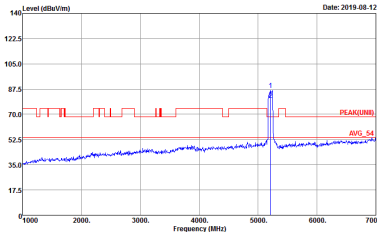
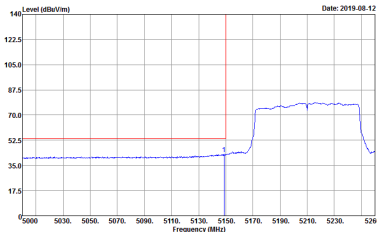


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	Left blank

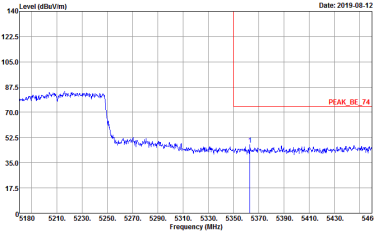
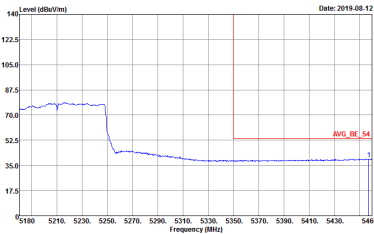


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	Left blank

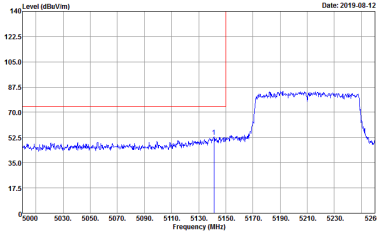
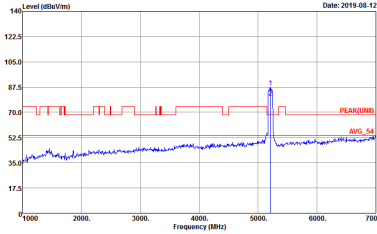
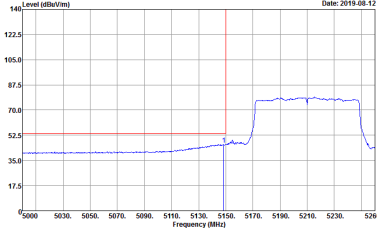
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 9 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 9 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 9 Power : 12	Left blank

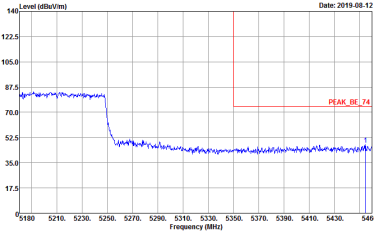
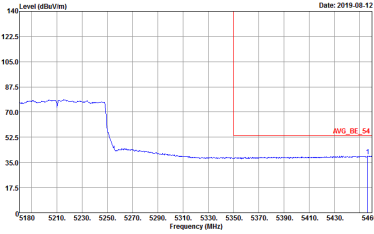


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 9 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 9 Power : 12	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 9 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 9 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 9 Power : 12	Left blank



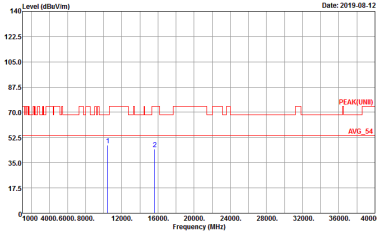
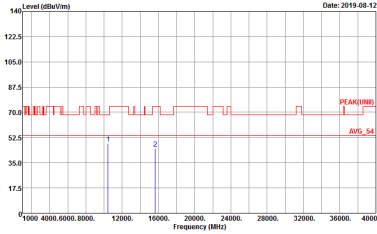
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 9 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 9 Power : 12	Left blank



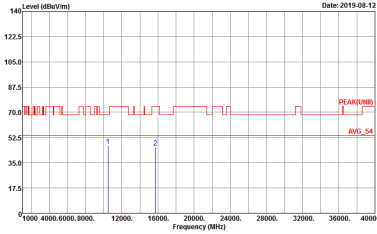
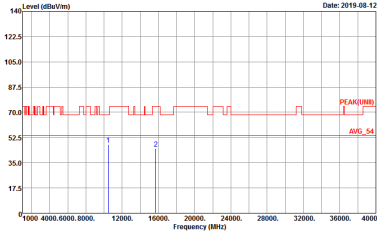
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 1 Power : 12	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 1 Power : 12

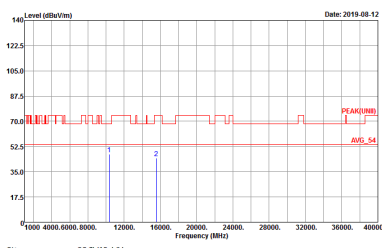
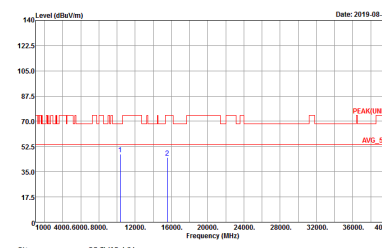


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 2 Power : 12	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 2 Power : 12

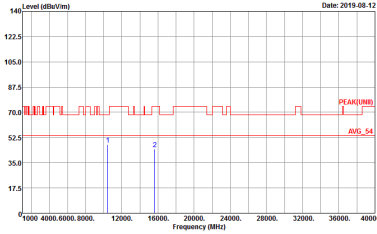
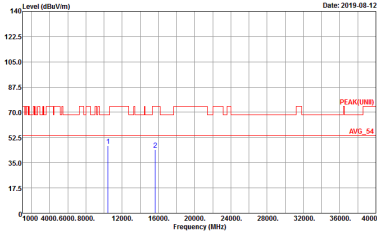


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 3 Power : 11.5

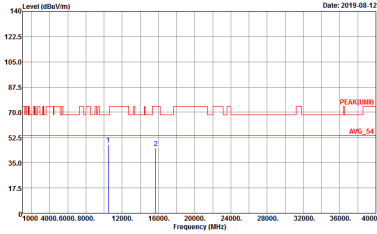
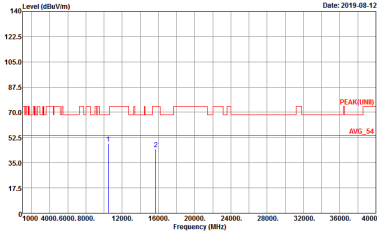
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNB) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNB) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 973034 Mode : 4 Power : 12.5

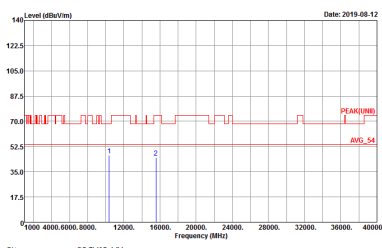
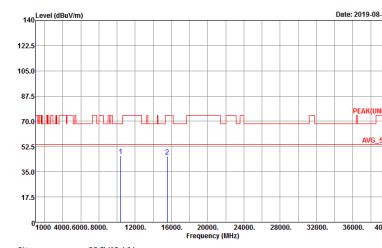


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 15 Power : 12	 Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 15 Power : 12

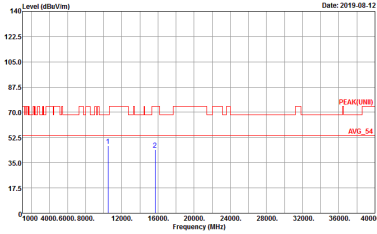
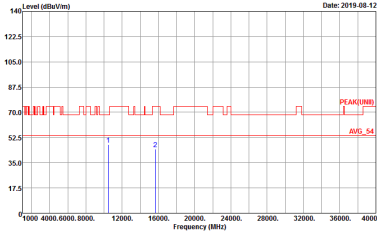


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 6 Power : 12	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 6 Power : 12

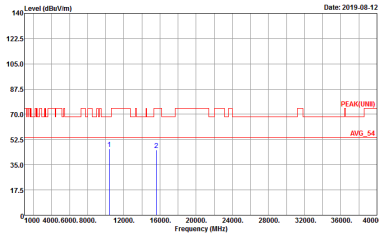
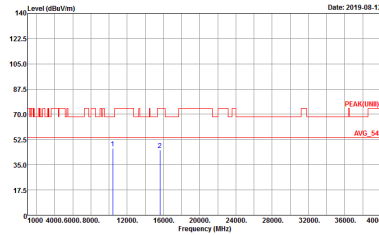
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 7 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 7 Power : 12



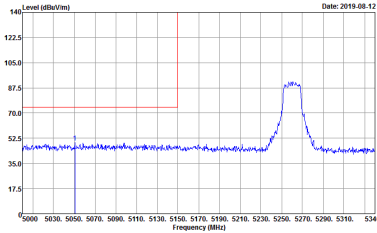
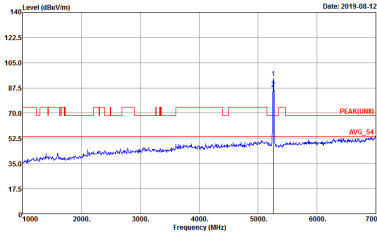
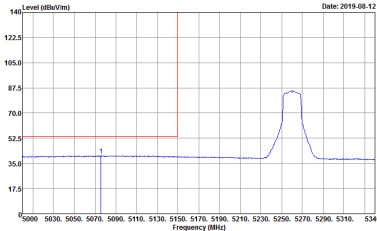
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 8 Power : 11.5

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

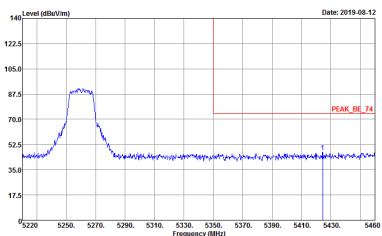
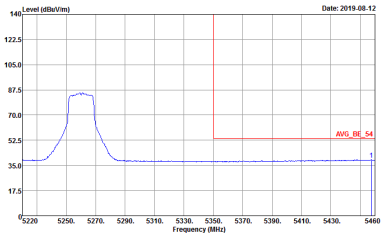
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 9 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 9 Power : 12



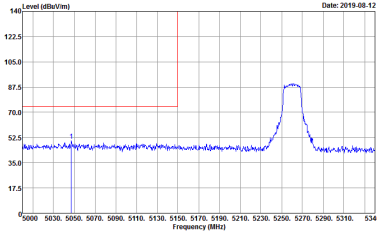
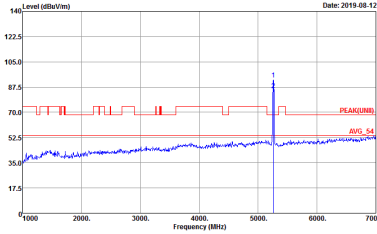
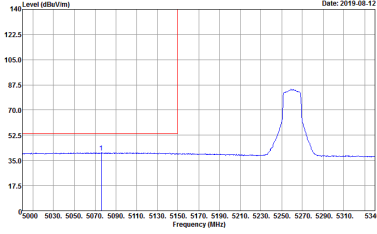
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

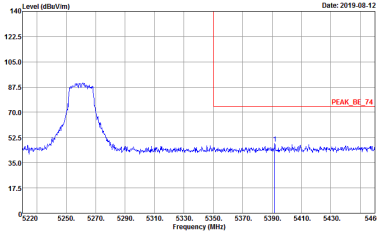
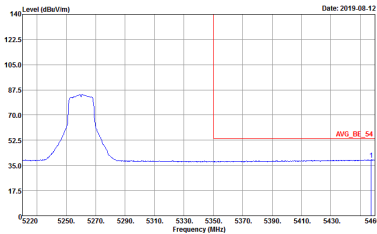
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5	Left blank



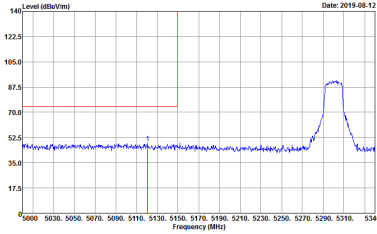
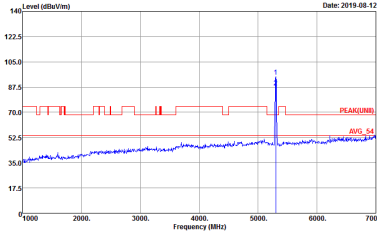
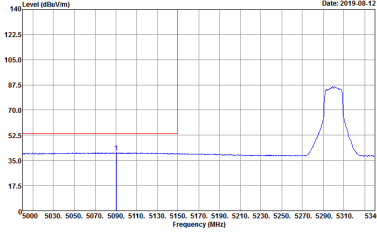
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5	Left blank



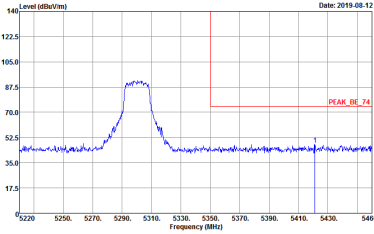
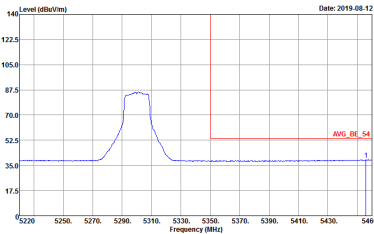
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 10 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 10 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 10 Power : 11.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5	Left blank

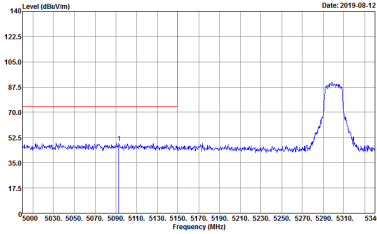
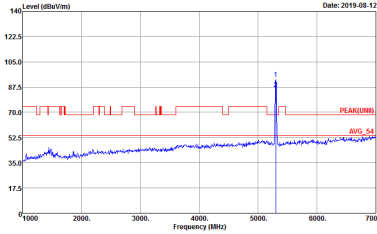
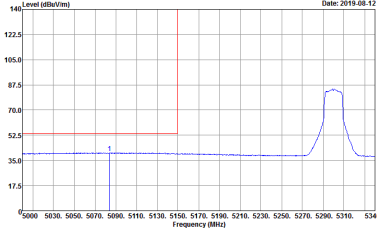


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5	Left blank

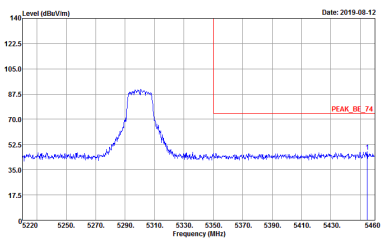
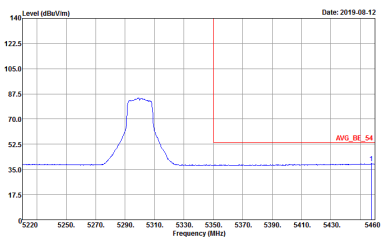


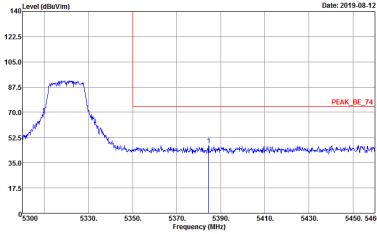
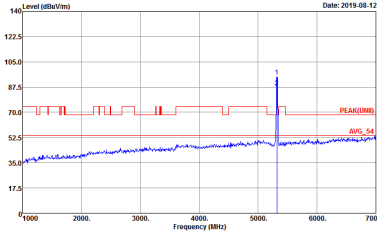
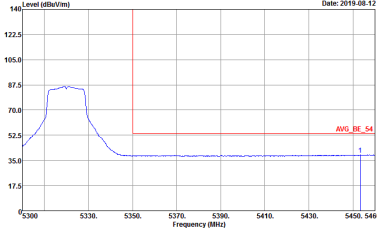
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5	Left blank



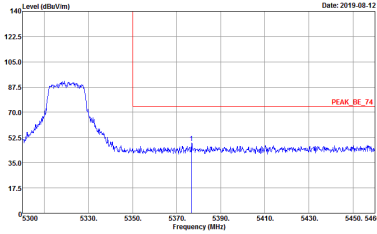
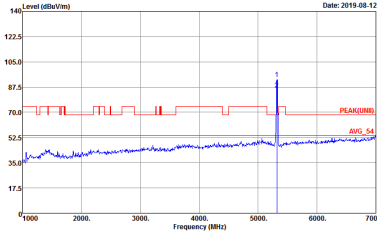
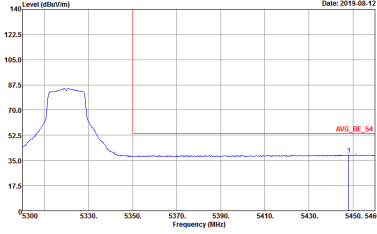
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 11 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 11 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 11 Power : 11.5	Left blank



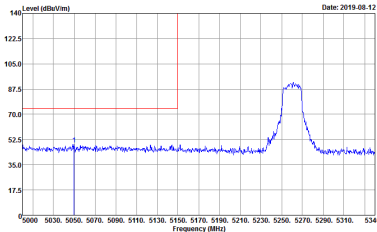
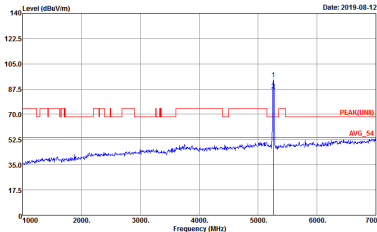
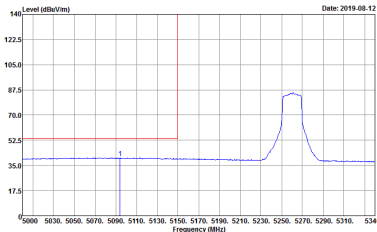
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 12 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 12 Power : 11.5
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 12 Power : 11.5	Left blank

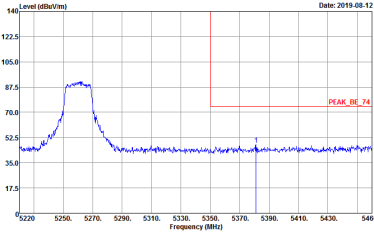
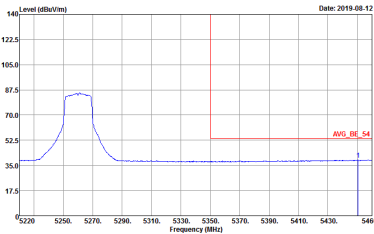


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 12 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 12 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 12 Power : 11.5	Left blank

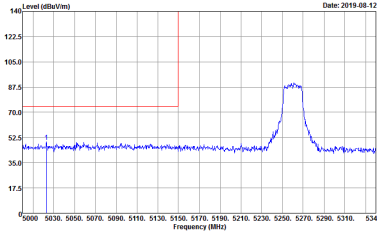
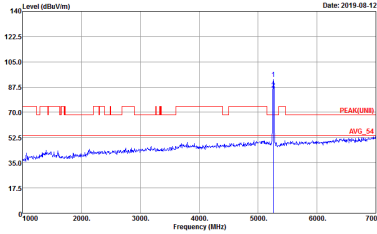
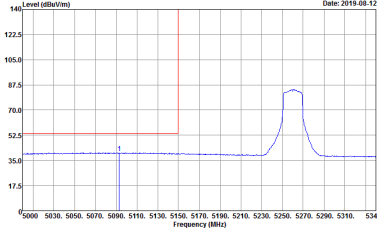
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 13 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 13 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 13 Power : 12	Left blank

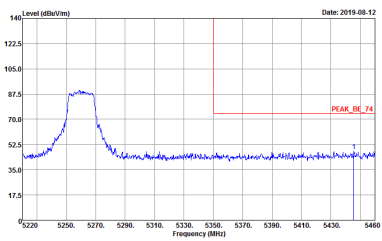
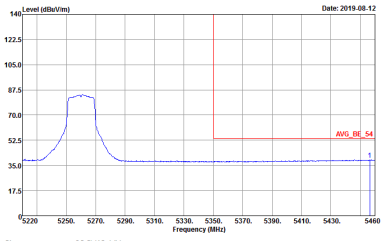


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 13 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 13 Power : 12	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 13 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 13 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 13 Power : 12	Left blank

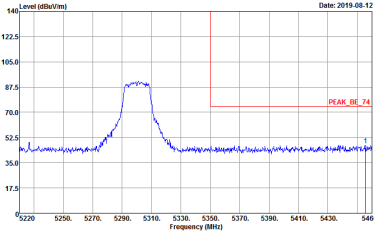
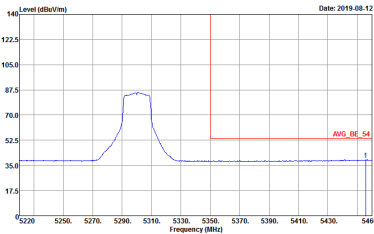


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 13 Power : 12	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 13 Power : 12	Left blank

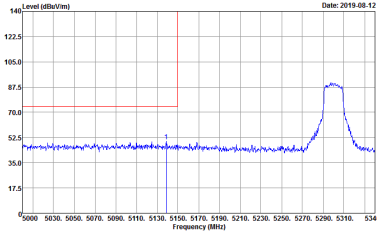
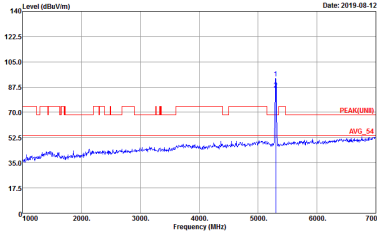
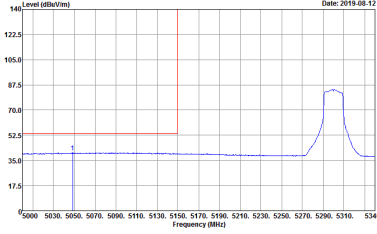


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 14 Power : 12	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 14 Power : 12
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 14 Power : 12	Left blank

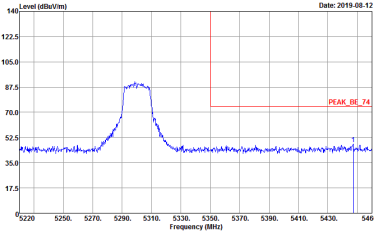
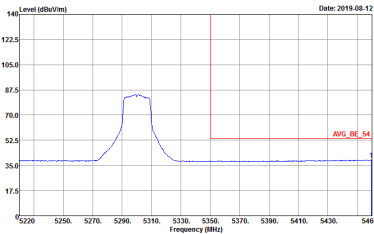


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 14 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 14 Power : 12	Left blank

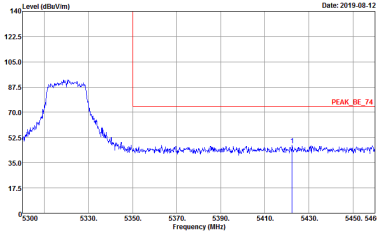
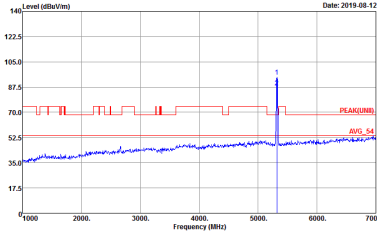
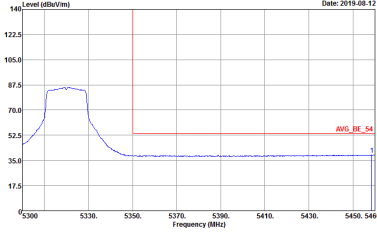


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 14 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 14 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 14 Power : 12	Left blank

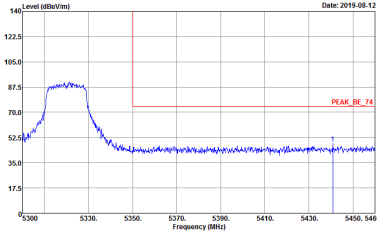
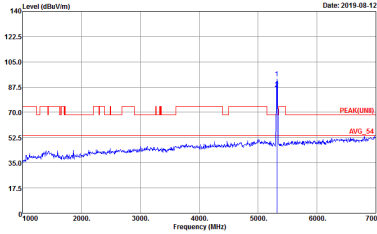
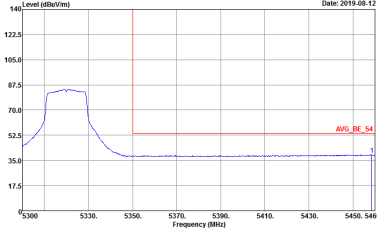


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 14 Power : 12	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 14 Power : 12	Left blank

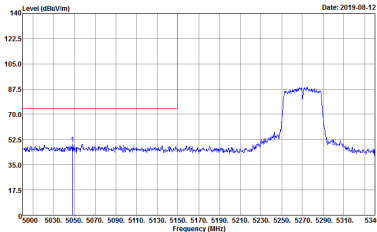
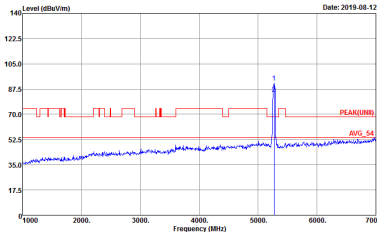
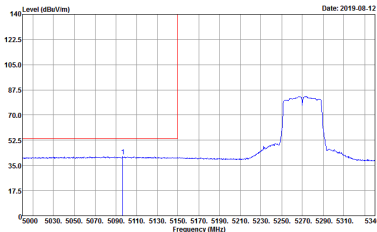


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 15 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 15 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 15 Power : 12	Left blank

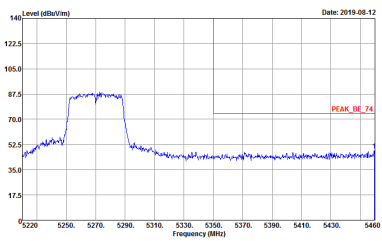
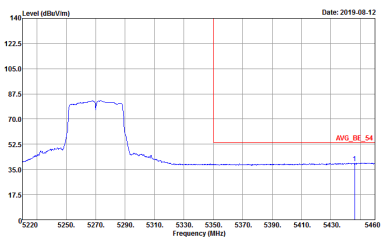


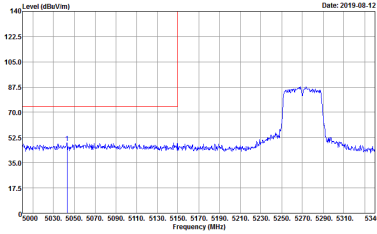
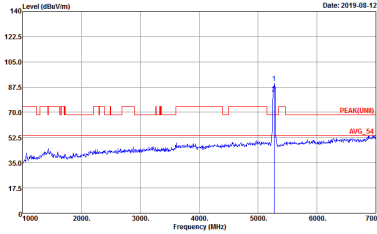
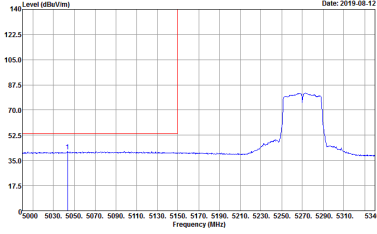
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 15 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 15 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 15 Power : 12	Left blank

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

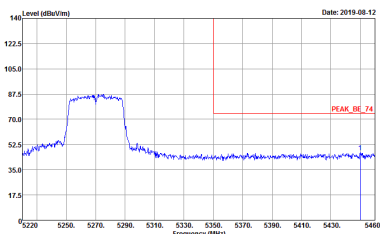
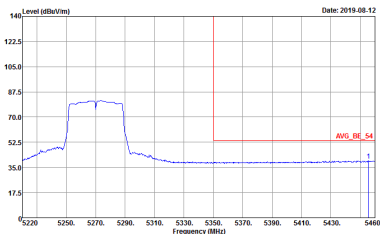
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	Left blank



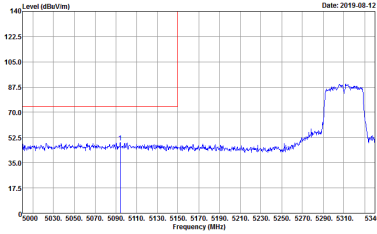
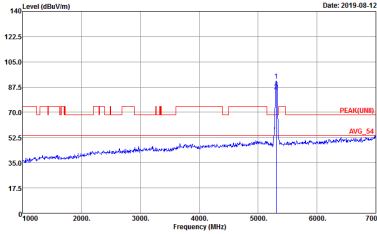
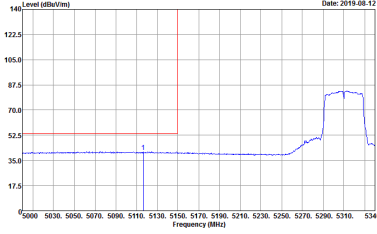
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	Left blank

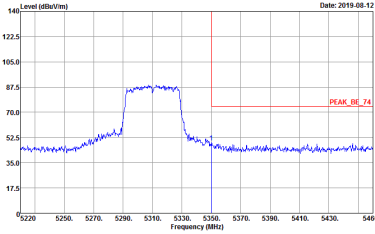
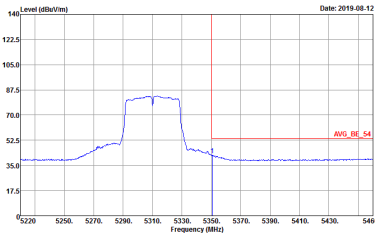


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	Left blank

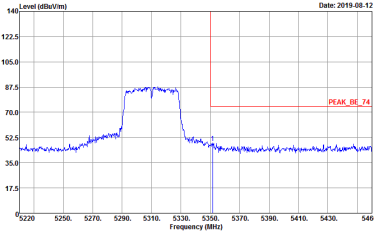
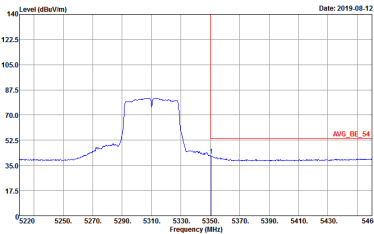


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	Left blank

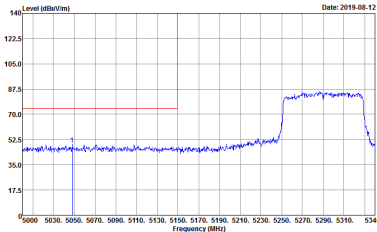
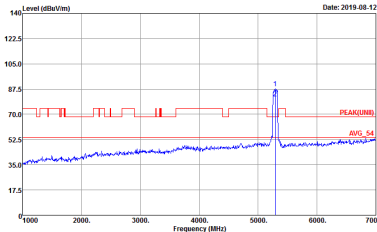
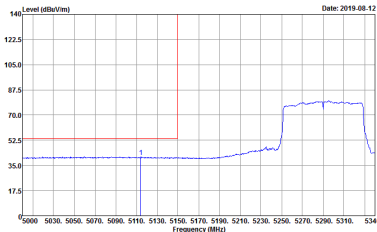


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	Left blank

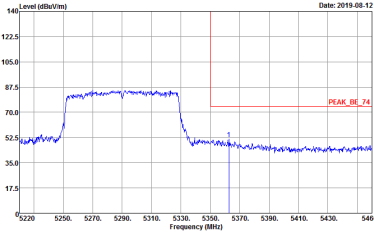
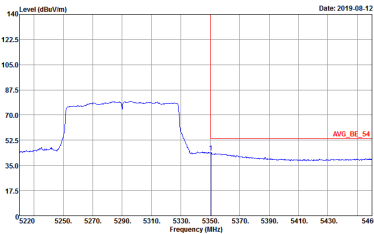


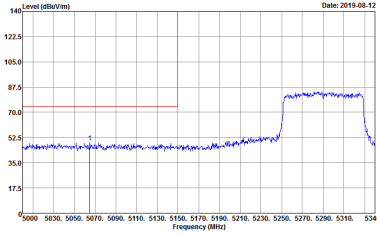
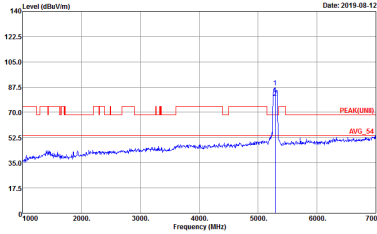
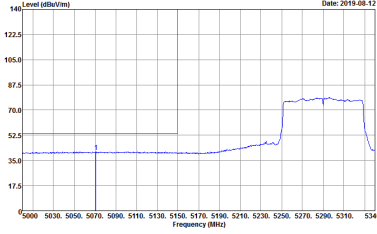
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	Left blank

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

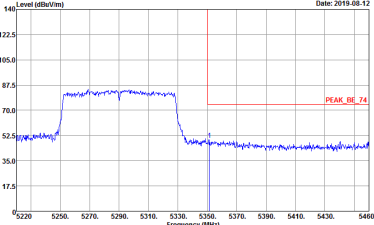
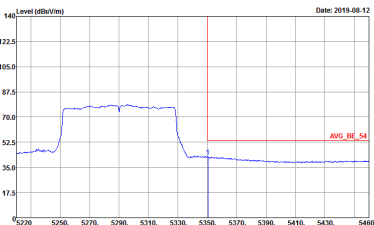
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	Left blank



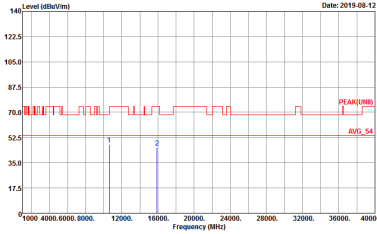
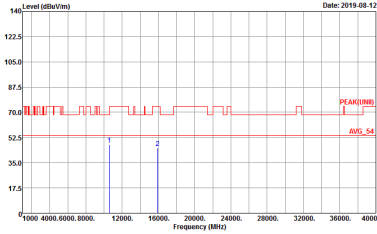
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	Left blank



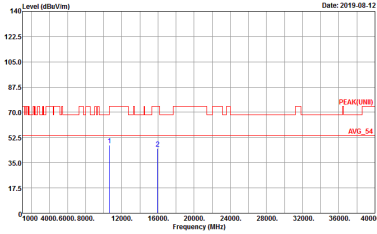
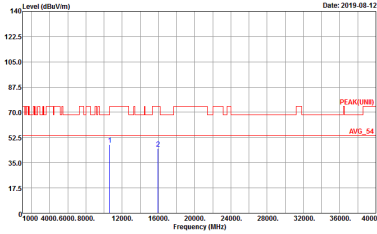
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5	Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 10 Power : 11.5

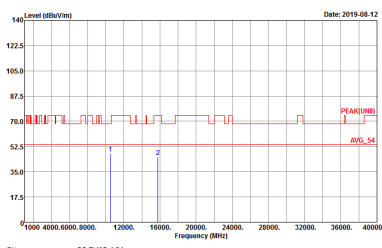
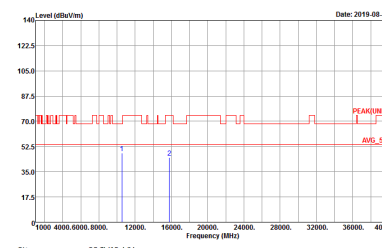


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 11 Power : 11.5

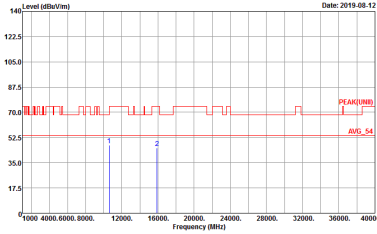
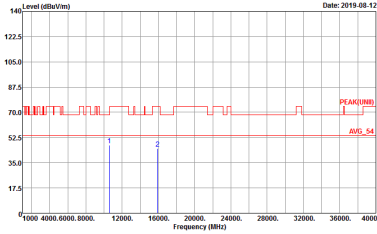


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 12 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 12 Power : 11.5

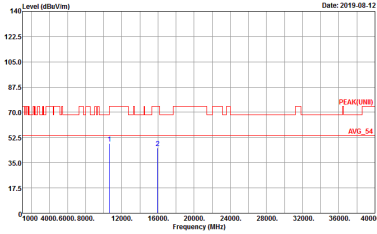
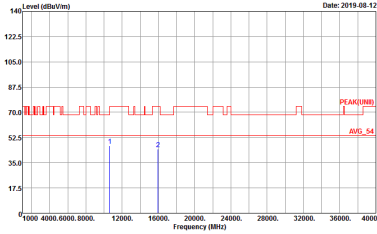
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 13 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 13 Power : 12

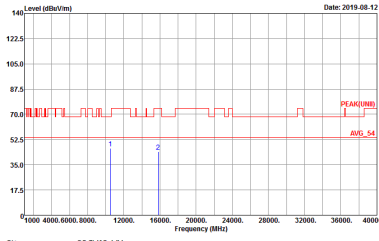
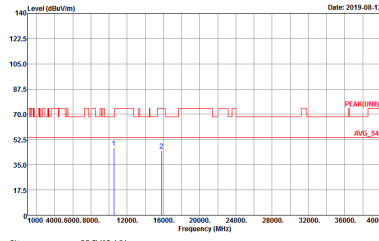


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 14 Power : 12	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 14 Power : 12

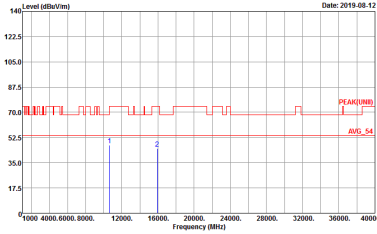
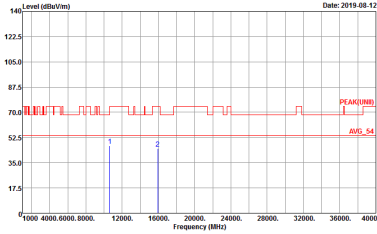


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 15 Power : 12	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 15 Power : 12

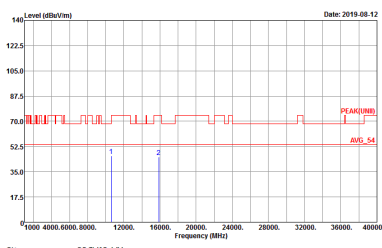
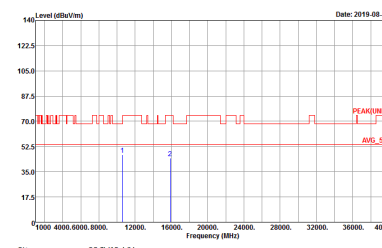
Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 16 Power : 11.5



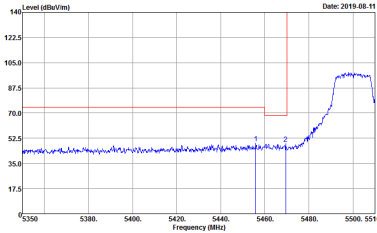
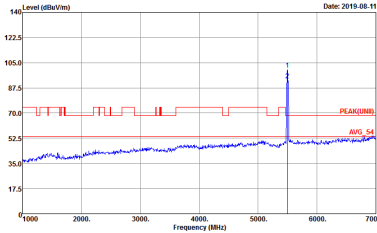
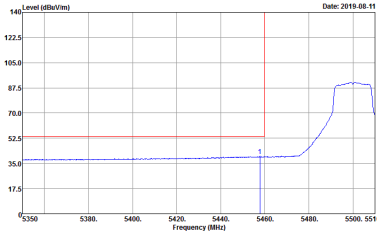
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 17 Power : 11.5

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

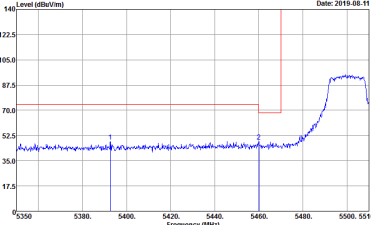
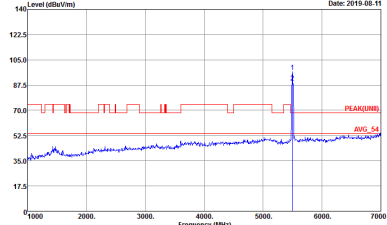
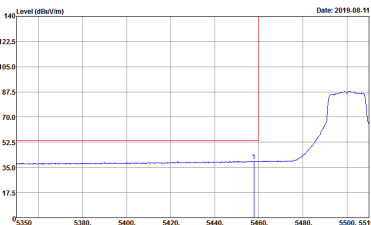
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 18 Power : 11.5



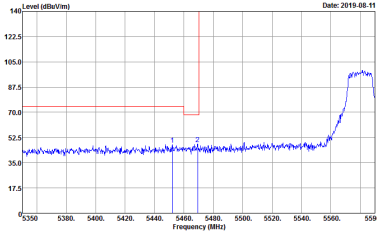
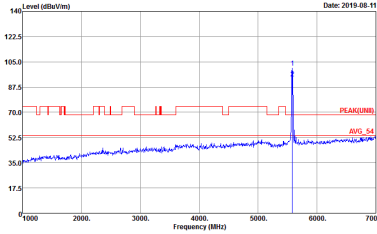
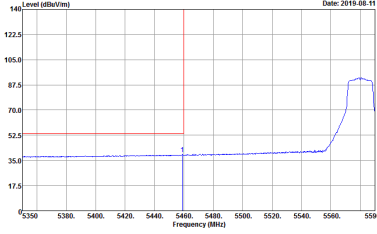
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT1) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT1)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5	Left blank

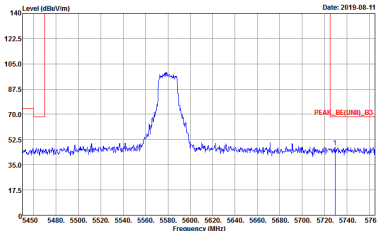


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5	Left blank

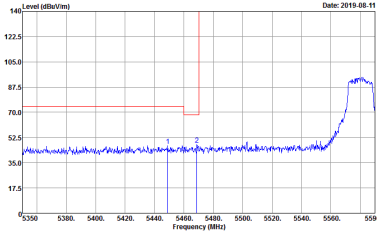
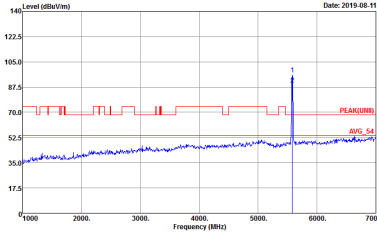
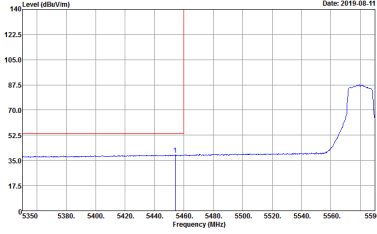


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 20 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 20 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 20 Power : 11.5	Left blank

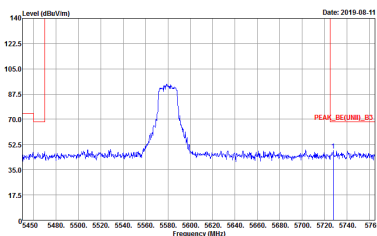


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 20 Power : 11.5	Left blank

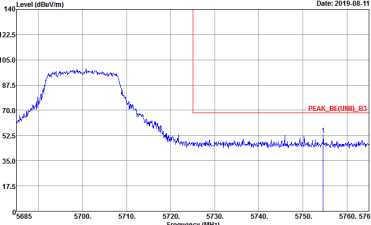
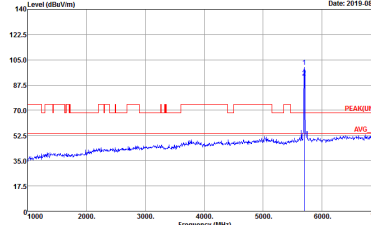


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 20 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 20 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 20 Power : 11.5	Left blank

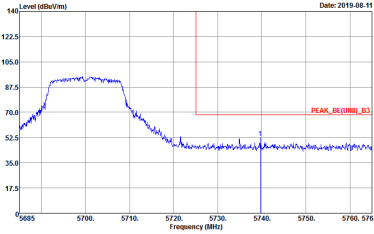
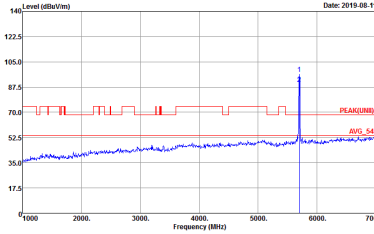


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 20 Power : 11.5	Left blank

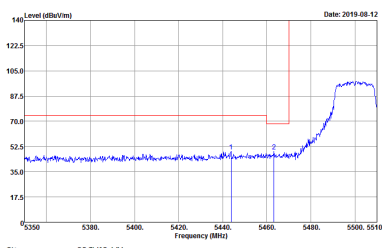
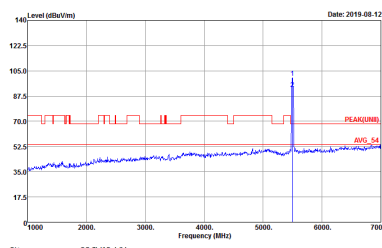
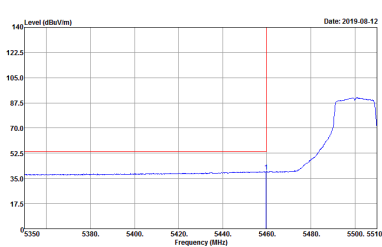


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-14V Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : Z1 Power : 11.5	 Site : 03CH13-14V Condition : PEAK(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : Z1 Power : 11.5

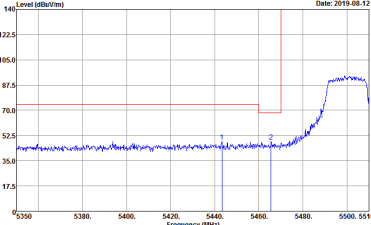
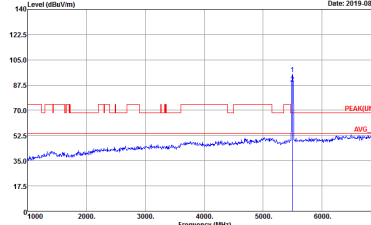
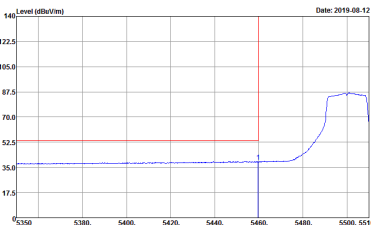


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-IV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : Z1 Power : 11.5	 Site : 03CH13-IV Condition : PEAK(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : Z1 Power : 11.5

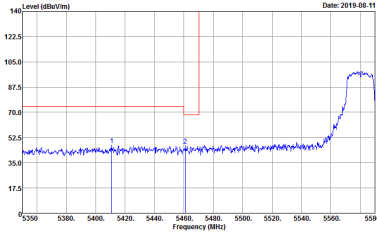
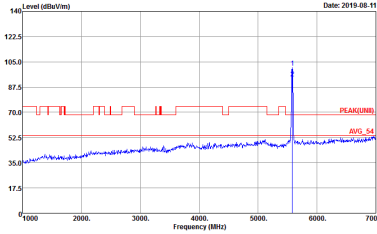
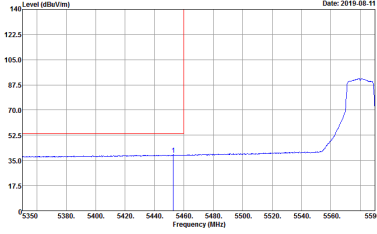
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : Z2 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : Z2 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : Z2 Power : 12	Left blank

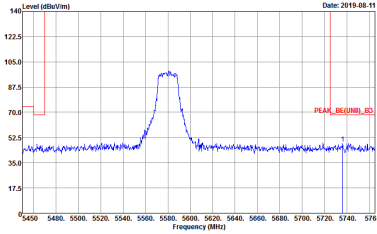


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : Z2 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : Z2 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : Z2 Power : 12	Left blank

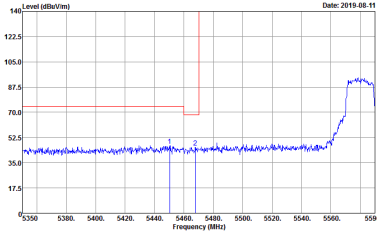
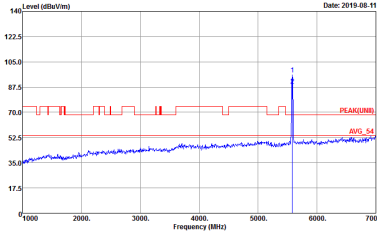
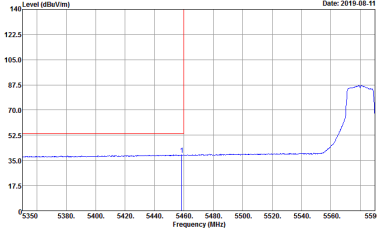


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 23 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 23 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 23 Power : 12	Left blank

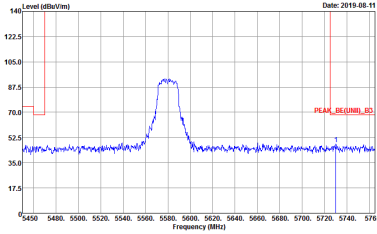


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 23 Power : 12	Left blank

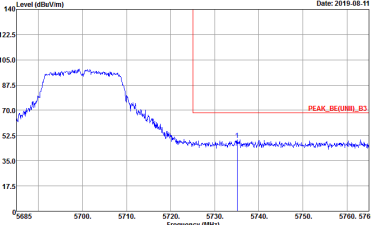
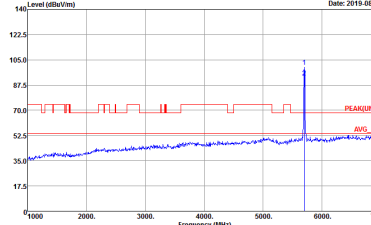


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 23 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 23 Power : 12
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 23 Power : 12	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 23 Power : 12	Left blank



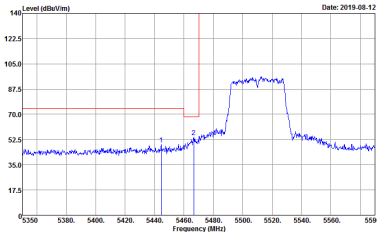
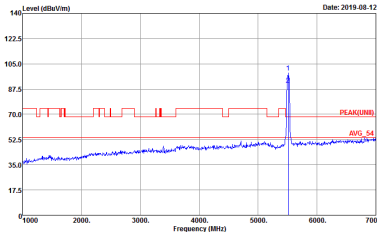
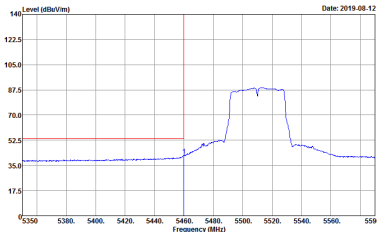
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-1V Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 24 Power : 12	 Site : 03CH13-1V Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 24 Power : 12



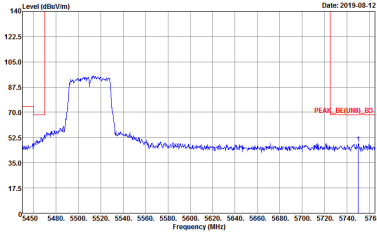
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak	Site : 03CH13-1V Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 24 Power : 12	Site : 03CH13-1V Condition : PEAK_F(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 24 Power : 12



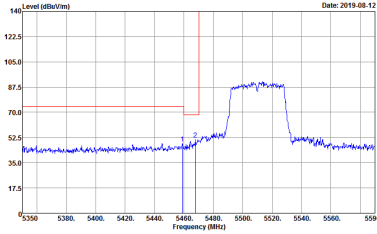
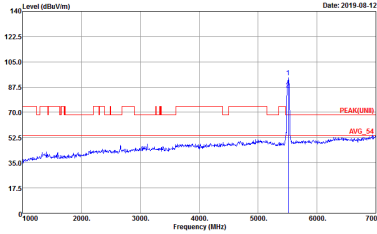
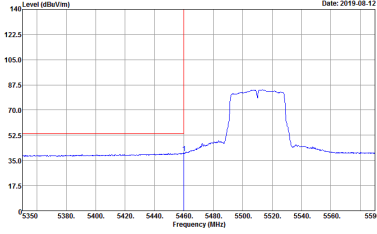
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 25 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 25 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 25 Power : 11.5	Left blank

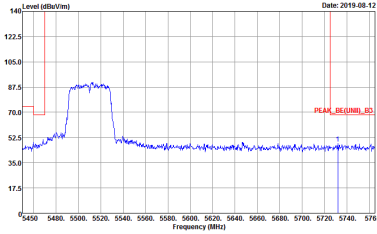


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 25 Power : 11.5	Left blank

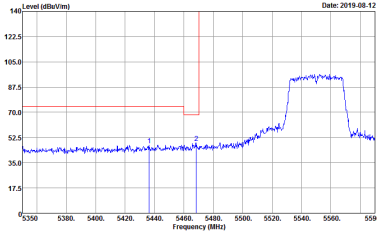
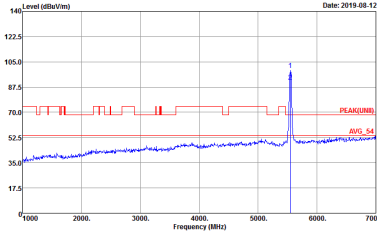
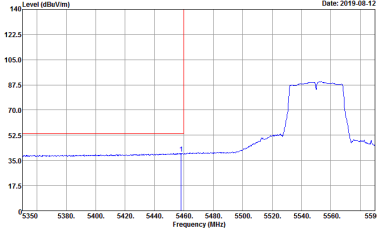


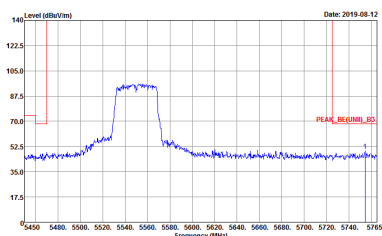
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 25 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 25 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 973034 Mode : 25 Power : 11.5	Left blank



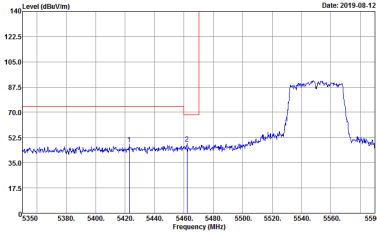
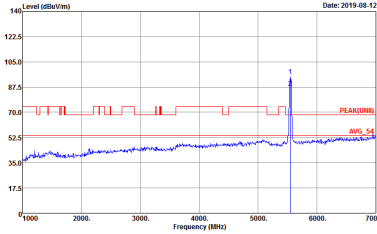
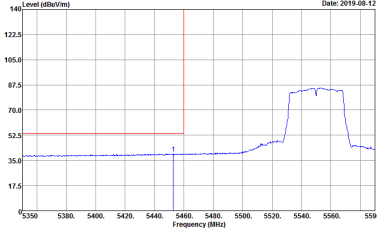
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 25 Power : 11.5	Left blank



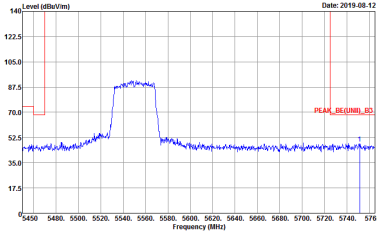
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5	Left blank

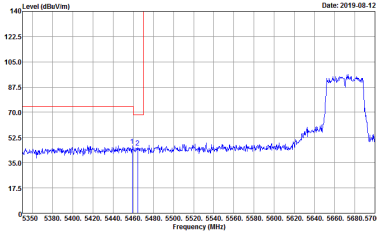
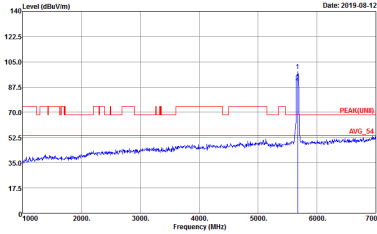
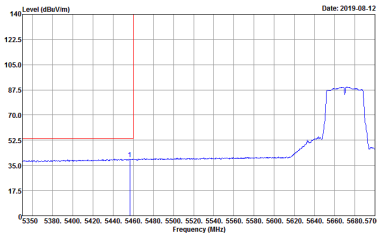


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5	Left blank

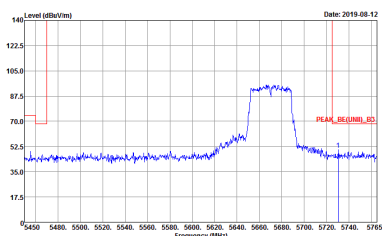


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 26 Power : 11.5	Left blank

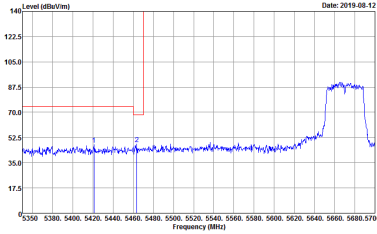
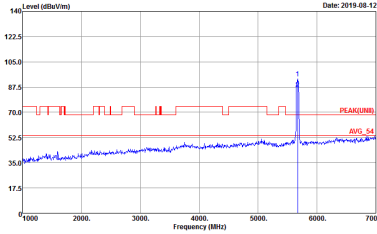
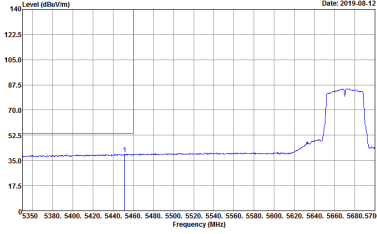


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5	Left blank

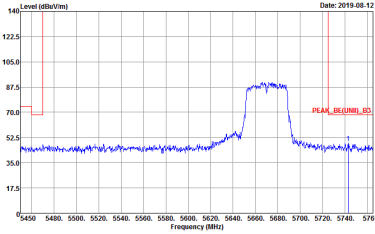


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5	Left blank

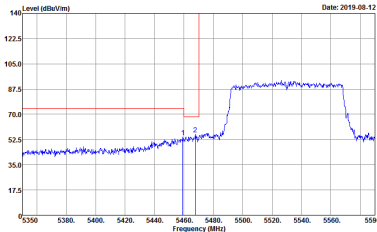
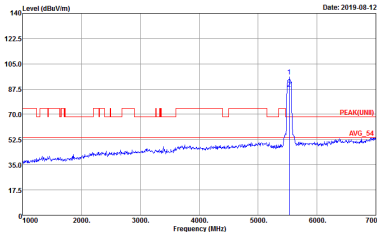
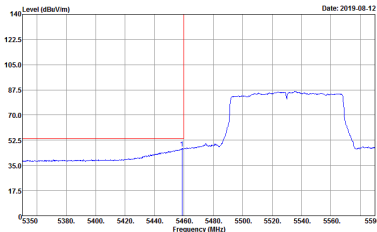


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5	Left blank

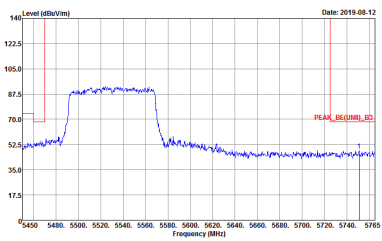


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5	Left blank

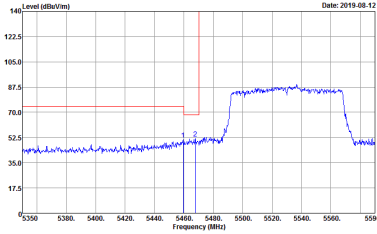
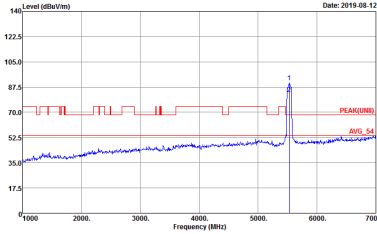
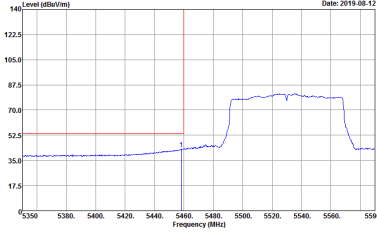
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5	Left blank

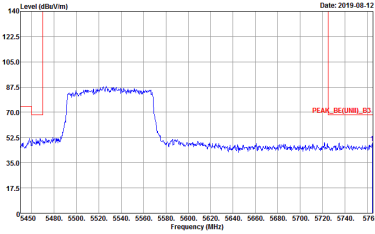


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5	Left blank

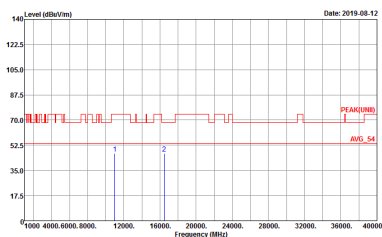
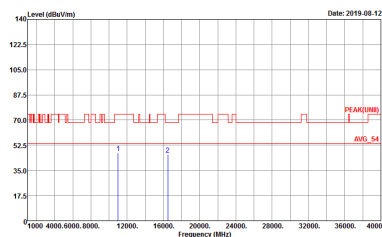


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5	Left blank

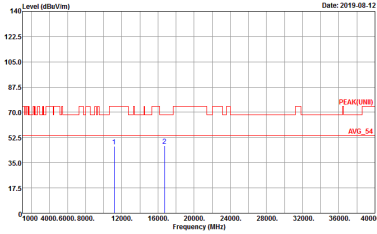
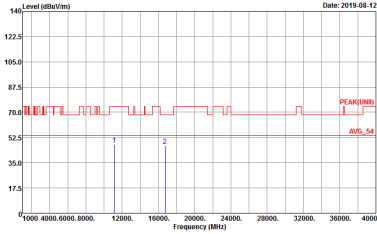


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5	Left blank

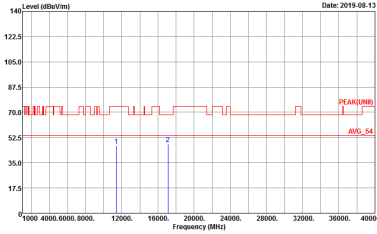
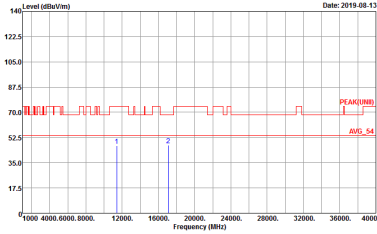
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 19 Power : 11.5

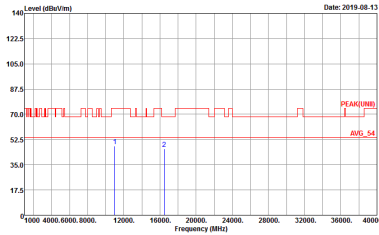
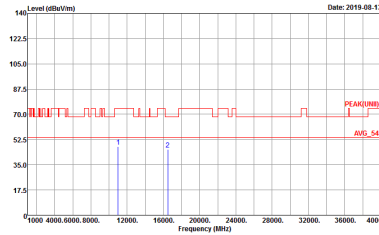


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-1V Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 20 Power : 11.5	 Site : 03CH13-1V Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 20 Power : 11.5

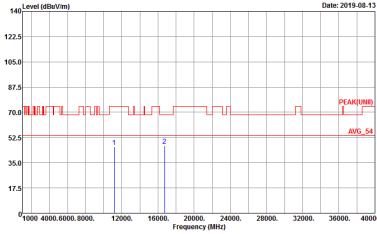
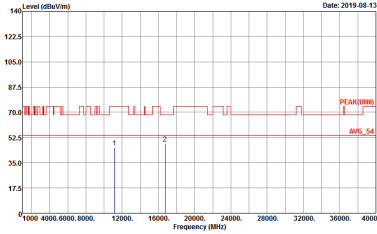


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-1V Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : Z1 Power : 11.5	 Site : 03CH13-1V Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : Z1 Power : 11.5

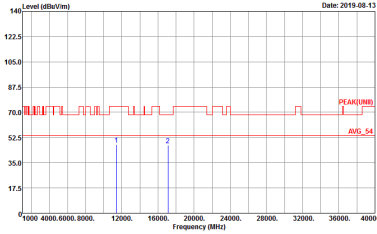
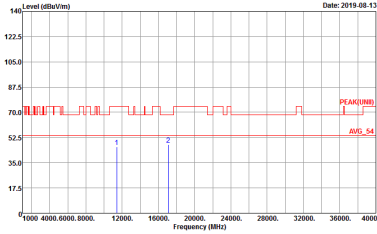
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 22 Power : 12	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 22 Power : 12



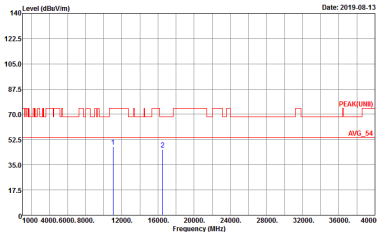
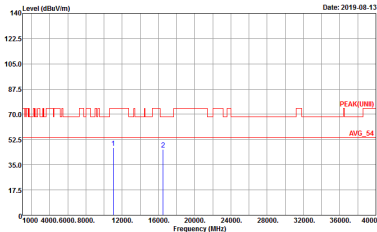
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 23 Power : 12	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 23 Power : 12



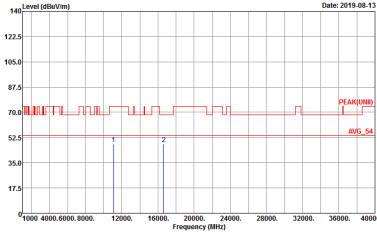
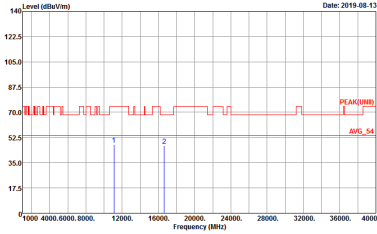
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 24 Power : 12	 Site : 03CH13-HV Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 24 Power : 12



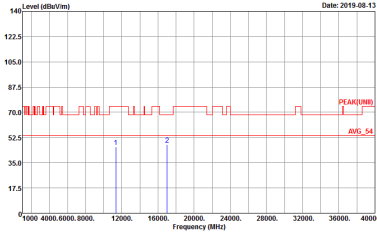
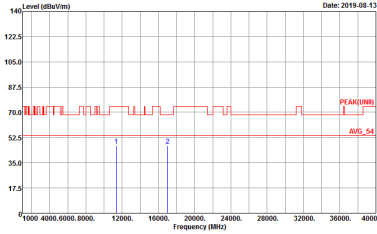
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 25 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 25 Power : 11.5



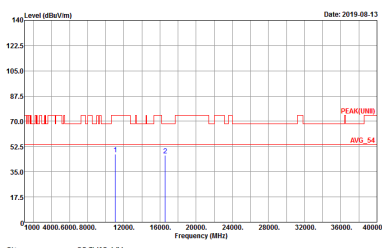
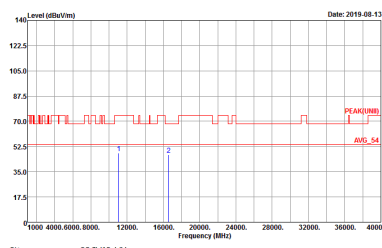
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-IV Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 25 Power : 11.5	 Site : 03CH13-IV Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 25 Power : 11.5



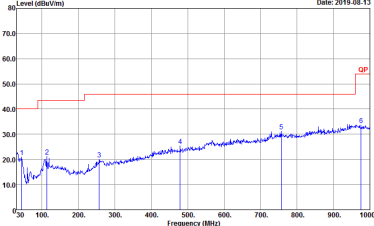
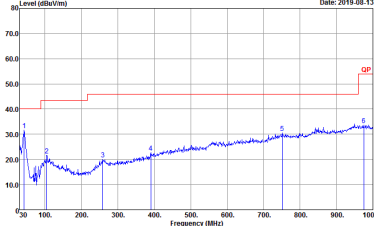
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-4V Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5	 Site : 03CH13-4V Condition : PEAK(UNB) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 27 Power : 11.5



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

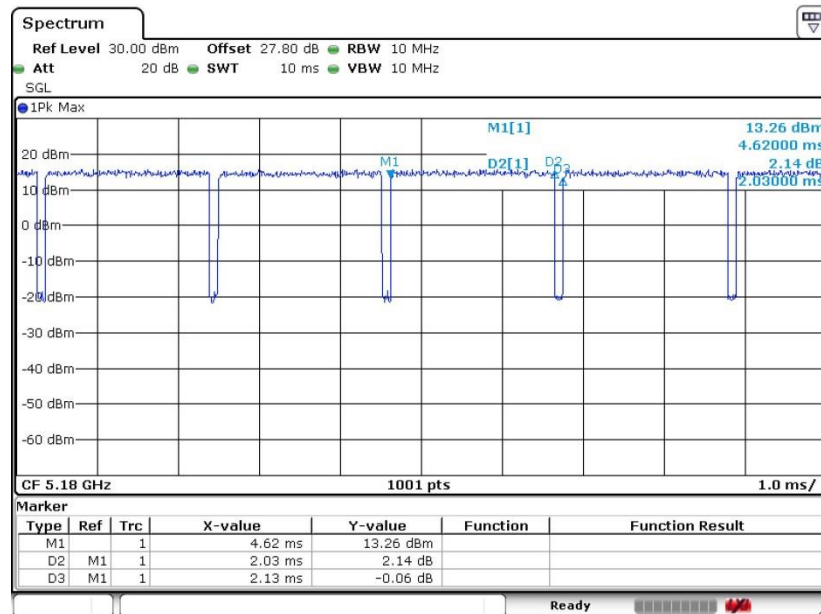
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 973034 Mode : 28 Power : 11.5

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

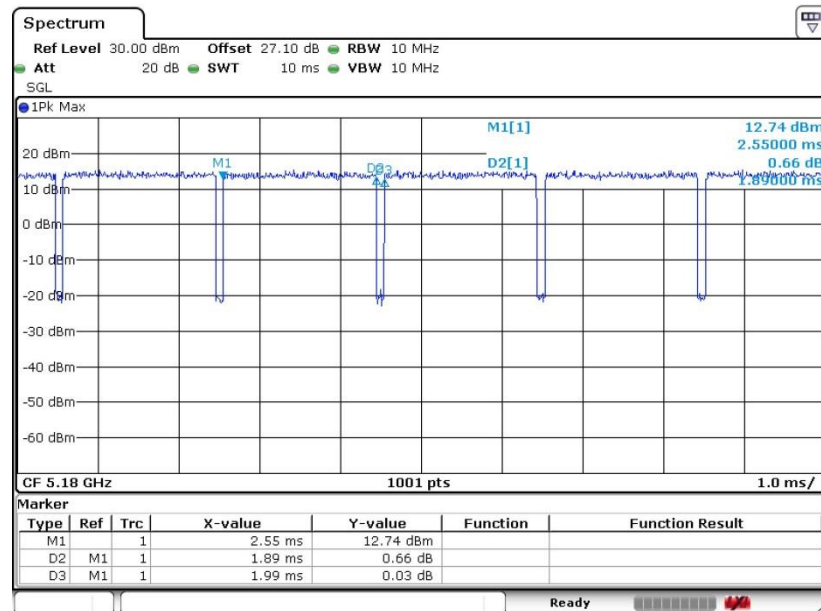
WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HY Condition : QP 3m B1LOG_40103 HORIZONTAL Detector : Peak Project : 973034 Mode : 29	 Site : 03CH13-HY Condition : QP 3m B1LOG_40103 VERTICAL Detector : Peak Project : 973034 Mode : 29

Appendix E. Duty Cycle Plots

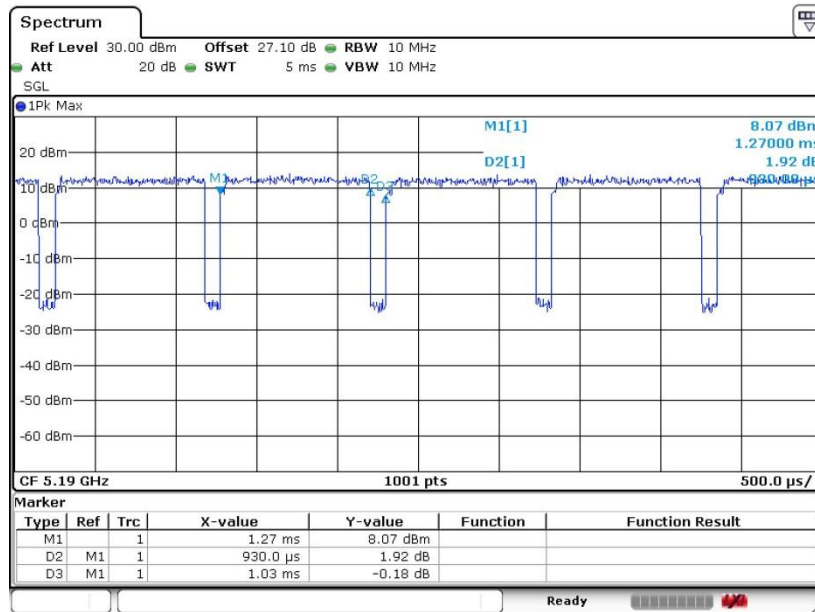
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	95.31	2030	0.49	1kHz
802.11n HT20	94.97	1890	0.53	1kHz
802.11n HT40	90.29	930	1.08	3kHz
802.11ac VHT20	94.53	1900	0.53	1kHz
802.11ac VHT40	90.38	940	1.06	3kHz
802.11ac VHT80	85.61	595	1.68	3kHz

802.11a


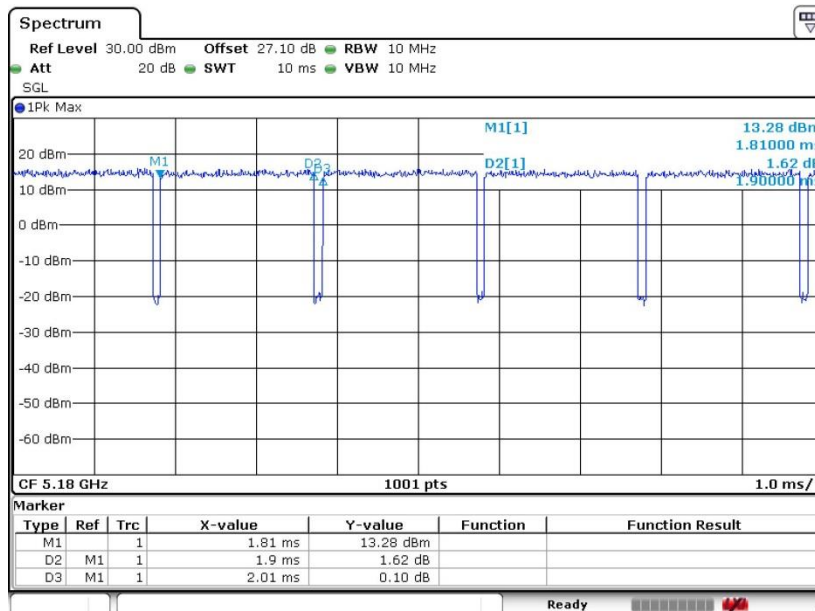
Date: 1.AUG.2019 15:26:52

802.11n HT20


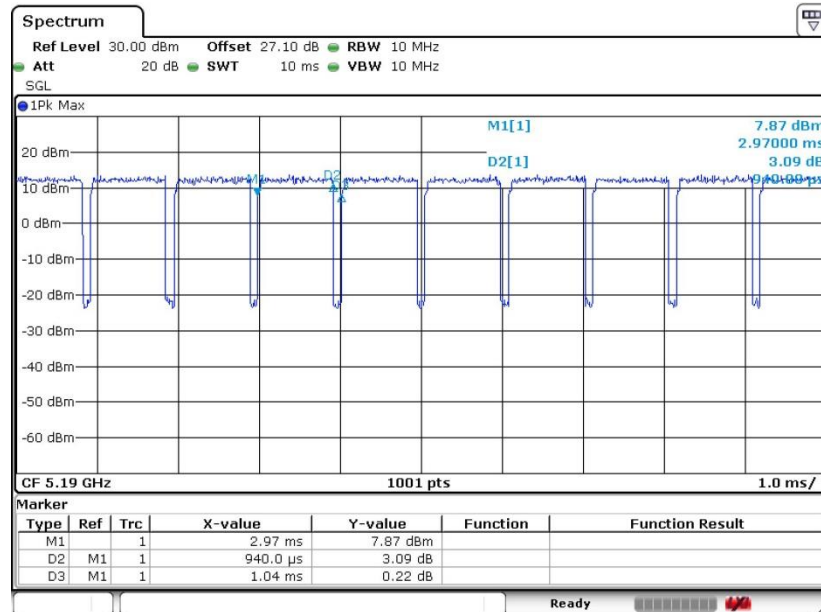
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802.11n HT40


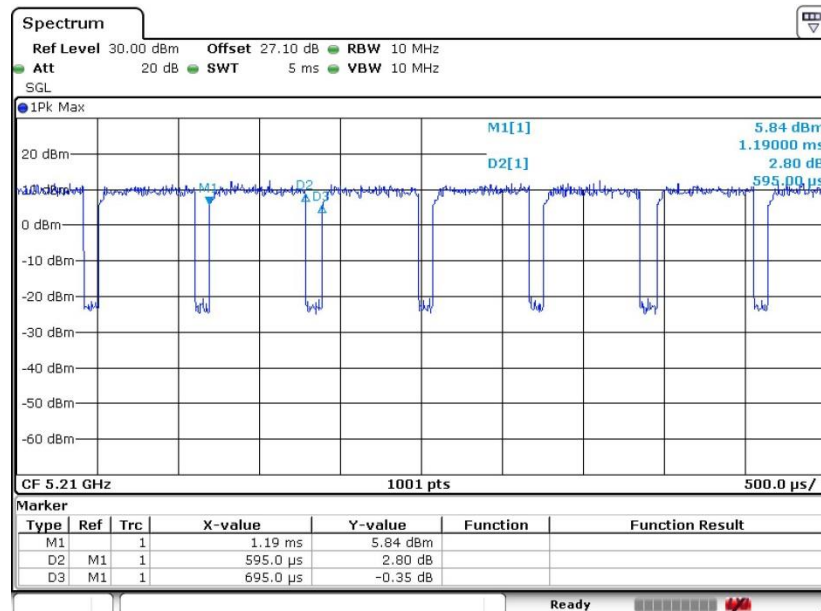
Date: 2.AUG.2019 14:48:27

802.11ac VHT20


Date: 2.AUG.2019 14:10:11

802.11ac VHT40


Date: 2.AUG.2019 14:19:13

802.11ac VHT80


Date: 2.AUG.2019 14:37:51