



FCC RADIO TEST REPORT

FCC ID : IHDT56XM1
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2000-1
Applicant : Motorola Mobility LLC
222 W Merchandise Mart Plaza, Suite 1800,
Chicago, IL 60654, United States
Manufacturer : Motorola Mobility LLC
222 W Merchandise Mart Plaza, Suite 1800,
Chicago, IL 60654, United States
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 24, 2019 and testing was started from Feb. 02, 2019 and completed on Mar. 15, 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.)



Table of Contents

History of this test report	3
Summary of Test Result	4
1 General Description.....	5
1.1 Product Feature of Equipment Under Test	5
1.2 Product Specification of Equipment Under Test	6
1.3 Modification of EUT	8
1.4 Testing Location	9
1.5 Applicable Standards	9
2 Test Configuration of Equipment Under Test.....	10
2.1 Carrier Frequency and Channel	10
2.2 Test Mode	11
2.3 Connection Diagram of Test System	13
2.4 Support Unit used in test configuration and system	14
2.5 EUT Operation Test Setup	15
2.6 Measurement Results Explanation Example	15
3 Test Result.....	16
3.1 26dB & 99% Occupied Bandwidth Measurement.....	16
3.2 Maximum Conducted Output Power Measurement.....	19
3.3 Power Spectral Density Measurement.....	21
3.4 Unwanted Emissions Measurement	24
3.5 AC Conducted Emission Measurement	30
3.6 Automatically Discontinue Transmission	32
3.7 Antenna Requirements	33
4 List of Measuring Equipment	35
5 Uncertainty of Evaluation	37
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	



History of this test report

Report No.	Version	Description	Issued Date
FR912419E	01	Initial issue of report	Mar. 27, 2019
FR912419E	02	Remove watermark.	Mar. 29, 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 10.61 dB at 5144.040 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 19.00 dB at 0.62925 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: Natasha Hsieh



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2000-1
FCC ID	IHDT56XM1
IMEI Code	Conducted : IMEI: 355573090013332 Conduction : IMEI: 355573090013654 Radiation : IMEI: 355573090013720 IMEI: 355573090013589
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/GNSS/ NFC WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DVT3
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

Accessory List	
AC Adapter	Brand Name : Motorola
	Model Name : SA18C45883
	Manufacturer : Salom
Battery 1	Brand Name : Motorola
	Model Name : KV40
	Manufacturer : Amperex
Battery 2	Brand Name : Motorola
	Model Name : KV30
	Manufacturer : Amperex
Headset Jack Adaptor	Brand Name : Motorola
	Model Name : SC18C45885
	Manufacturer : Luxshare
USB-C Data Cable	Brand Name : Motorola
	Model Name : SC18C45884
	Manufacturer : Luxshare
USB-C Headset 2	Brand Name : Motorola
	Model Name : SH38C48284
	Manufacturer : Grandsun

Supported Unit Used in Test Configuration and System	
USB-C Headset 1	Brand Name : Google
	Model Name : G019A
	Manufacturer : Grandsun

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Mode>	<Ant. 1> <5180 MHz ~ 5240 MHz> 802.11a : 17.80 dBm / 0.0603 W 802.11n HT20 : 17.70 dBm / 0.0589 W 802.11n HT40 : 16.20 dBm / 0.0417 W 802.11ac VHT20 : 17.80 dBm / 0.0603 W 802.11ac VHT40 : 16.30 dBm / 0.0427 W 802.11ac VHT80 : 14.60 dBm / 0.0288 W <5260 MHz ~ 5320 MHz> 802.11a : 17.80 dBm / 0.0603 W 802.11n HT20 : 17.80 dBm / 0.0603 W 802.11n HT40 : 16.20 dBm / 0.0417 W 802.11ac VHT20 : 17.90 dBm / 0.0617 W 802.11ac VHT40 : 16.30 dBm / 0.0427 W 802.11ac VHT80 : 14.60 dBm / 0.0288 W <5500 MHz ~ 5700 MHz > 802.11a : 17.80 dBm / 0.0603 W 802.11n HT20 : 17.70 dBm / 0.0589 W 802.11n HT40 : 16.30 dBm / 0.0427 W 802.11ac VHT20 : 17.80 dBm / 0.0603 W 802.11ac VHT40 : 16.40 dBm / 0.0437 W 802.11ac VHT80 : 14.70 dBm / 0.0295 W <Ant. 2> <5180 MHz ~ 5240 MHz> 802.11a : 17.80 dBm / 0.0603 W 802.11n HT20 : 17.70 dBm / 0.0589 W 802.11n HT40 : 16.30 dBm / 0.0427 W 802.11ac VHT20 : 17.80 dBm / 0.0603 W 802.11ac VHT40 : 16.40 dBm / 0.0437 W 802.11ac VHT80 : 14.60 dBm / 0.0288 W <5260 MHz ~ 5320 MHz> 802.11a : 17.80 dBm / 0.0603 W 802.11n HT20 : 17.80 dBm / 0.0603 W 802.11n HT40 : 16.20 dBm / 0.0417 W 802.11ac VHT20 : 17.90 dBm / 0.0617 W 802.11ac VHT40 : 16.30 dBm / 0.0427 W 802.11ac VHT80 : 14.70 dBm / 0.0295 W <5500 MHz ~ 5700 MHz > 802.11a : 17.80 dBm / 0.0603 W 802.11n HT20 : 17.80 dBm / 0.0603 W 802.11n HT40 : 16.30 dBm / 0.0427 W 802.11ac VHT20 : 17.90 dBm / 0.0617 W 802.11ac VHT40 : 16.40 dBm / 0.0437 W 802.11ac VHT80 : 14.60 dBm / 0.0288 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Mode>	MIMO <Ant. 1+2> <5180 MHz ~ 5240 MHz> 802.11a : 20.84 dBm / 0.1213 W 802.11n HT20 : 20.74 dBm / 0.1186 W 802.11n HT40 : 19.38 dBm / 0.0867 W 802.11ac VHT20 : 20.84 dBm / 0.1213 W 802.11ac VHT40 : 19.48 dBm / 0.0887 W 802.11ac VHT80 : 17.63 dBm / 0.0579 W <5260 MHz ~ 5320 MHz> 802.11a : 20.81 dBm / 0.1205 W 802.11n HT20 : 20.83 dBm / 0.1211 W 802.11n HT40 : 19.30 dBm / 0.0851 W 802.11ac VHT20 : 20.93 dBm / 0.1239 W 802.11ac VHT40 : 19.40 dBm / 0.0871 W 802.11ac VHT80 : 17.75 dBm / 0.0596 W <5500 MHz ~ 5700 MHz > 802.11a : 20.87 dBm / 0.1222 W 802.11n HT20 : 20.88 dBm / 0.1225 W 802.11n HT40 : 19.38 dBm / 0.0867 W 802.11ac VHT20 : 20.98 dBm / 0.1253 W 802.11ac VHT40 : 19.48 dBm / 0.0887 W 802.11ac VHT80 : 17.77 dBm / 0.0598 W
Maximum Output Power to Antenna <TXBF Mode>	MIMO <Ant. 1+2> <5180 MHz ~ 5240 MHz> 802.11ac VHT20 : 20.96 dBm / 0.1247 W 802.11ac VHT40 : 20.61 dBm / 0.1151 W 802.11ac VHT80 : 18.77 dBm / 0.0753 W
99% Occupied Bandwidth <CDD Mode>	MIMO <Ant. 1> 802.11a : 16.85 MHz 802.11 ac VHT20 : 18.00 MHz 802.11 ac VHT40 : 36.60 MHz 802.11 ac VHT80 : 76.92 MHz MIMO <Ant. 2> 802.11a : 16.80 MHz 802.11 ac VHT20 : 18.00 MHz 802.11 ac VHT40 : 36.60 MHz 802.11 ac VHT80 : 76.92 MHz
99% Occupied Bandwidth <TXBF Mode>	MIMO <Ant. 1> 802.11 ac VHT20 : 17.95 MHz 802.11 ac VHT40 : 38.90 MHz 802.11 ac VHT80 : 78.72 MHz MIMO <Ant. 2> 802.11 ac VHT20 : 17.95 MHz 802.11 ac VHT40 : 37.00 MHz 802.11 ac VHT80 : 78.60 MHz

Standards-related Product Specification			
Antenna Type / Gain	<5150 MHz ~ 5250 MHz> <Ant. 1>: Fixed Internal Antenna with gain -2.0 dBi <Ant. 2>: Fixed Internal Antenna with gain -6.7 dBi		
	<5250 MHz ~ 5350 MHz> <Ant. 1>: Fixed Internal Antenna with gain -2.0 dBi <Ant. 2>: Fixed Internal Antenna with gain -8.0 dBi		
	<5470 MHz ~ 5725 MHz> <Ant. 1>: Fixed Internal Antenna with gain -1.9 dBi <Ant. 2>: Fixed Internal Antenna with gain -9.5 dBi		
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)		
Antenna Function Description		Ant. 1	Ant. 2
	802.11 a/n/ac	V	V
	802.11 a/n/ac MIMO	V	V
	802.11 ac TXBF	V	V

Remark: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC.		
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	03CH07-HY

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

FCC Designation No.: TW1190

1.5 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 (X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

MIMO Mode

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

TXBF Mode

Modulation	Data Rate
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Link + Bluetooth Link + WLAN (5GHz) Link + MPEG4 + USB-C Data Cable (Charging from Adapter) + Battery < 10% for Open Mode
Remark: All the radiation test items were performed with USB-C Headset 1.	



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

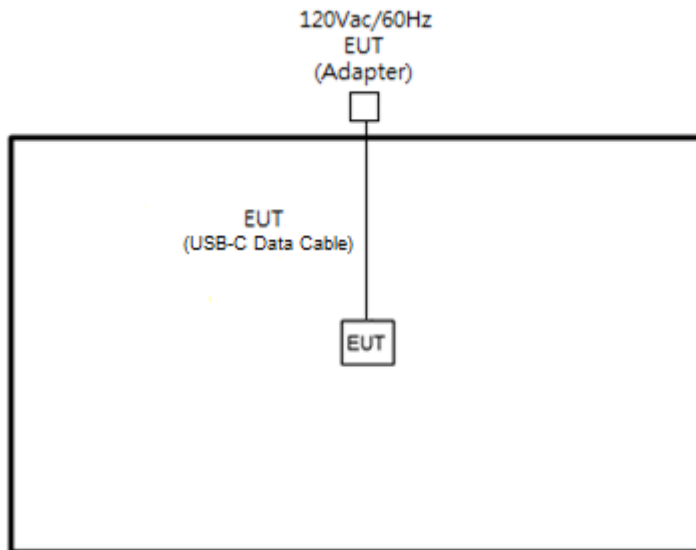
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

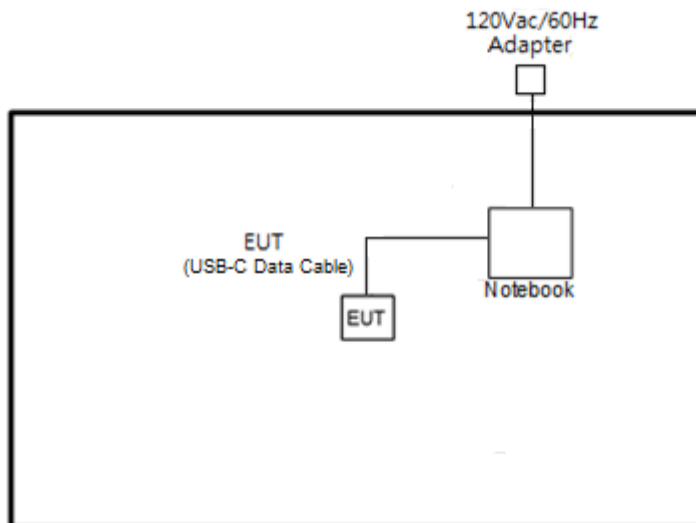
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

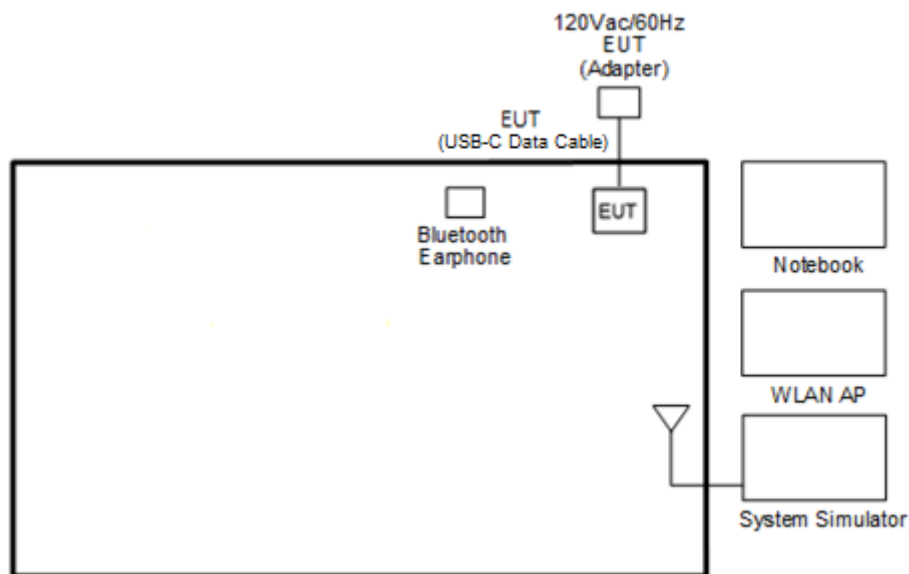
2.3 Connection Diagram of Test System

<WLAN Tx CDD Mode>



<WLAN Tx TXBF Mode>



<AC Conducted Emission Mode>

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, 1.8 m
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Lenovo	LBH 301	FCC DoC	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, utility “adb” 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “adb” software tool was used to enable the EUT to transmit signals continuously.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

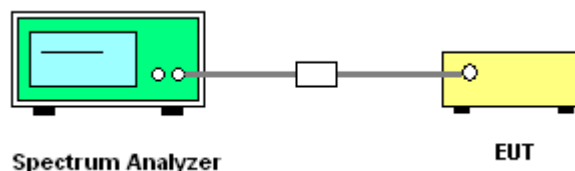
3.1.2 Measuring Instruments

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

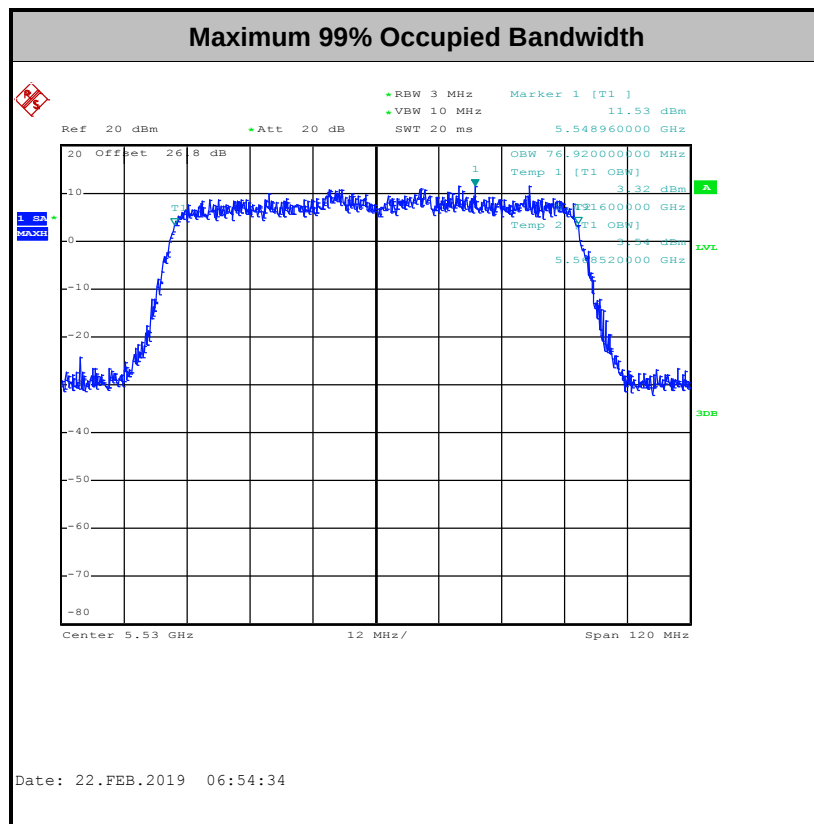
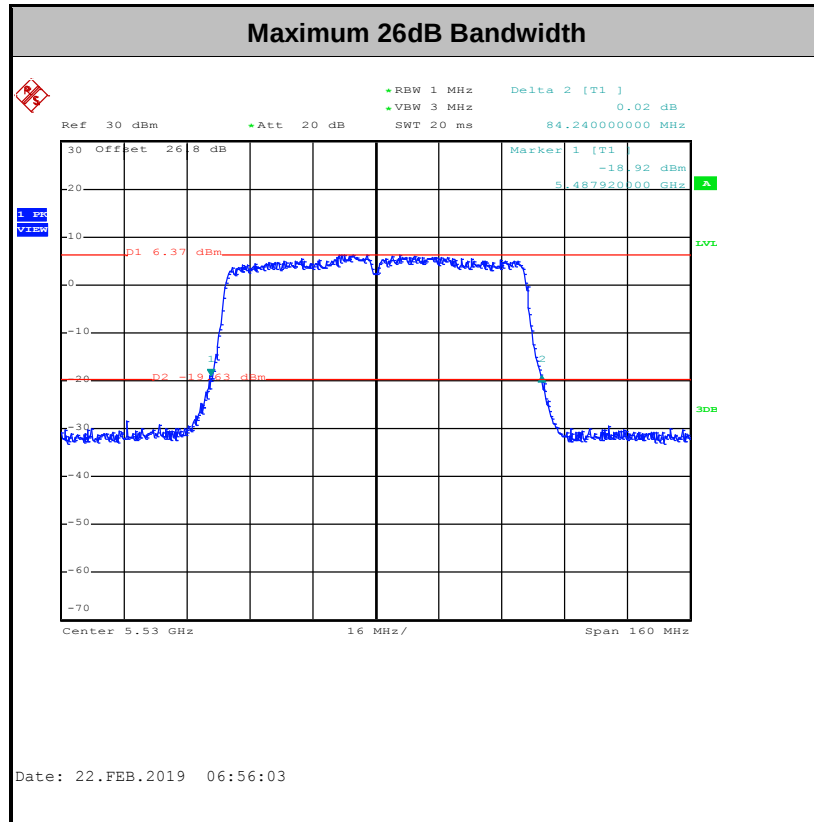


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



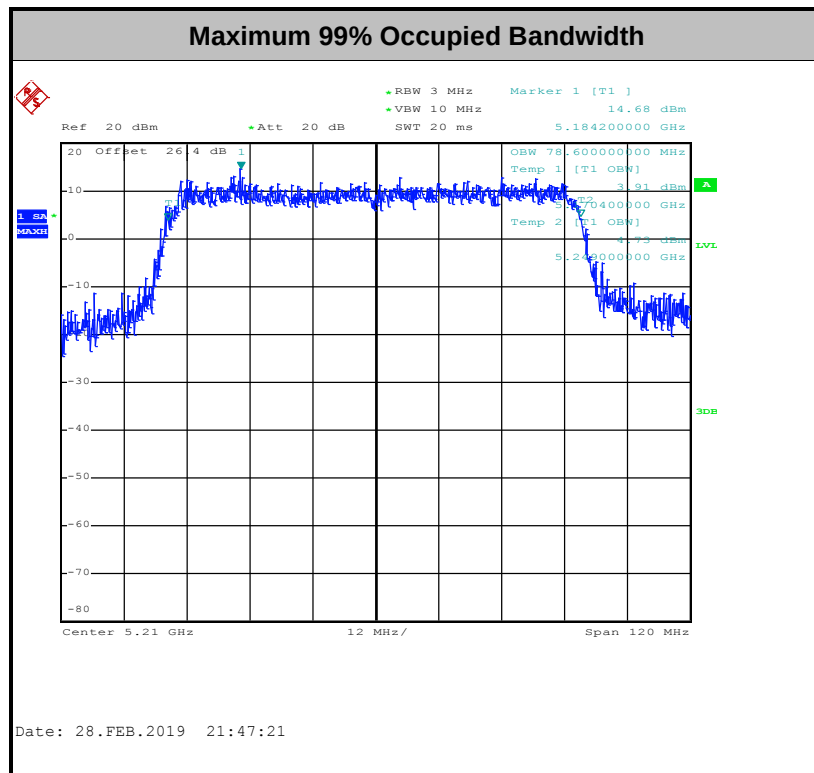
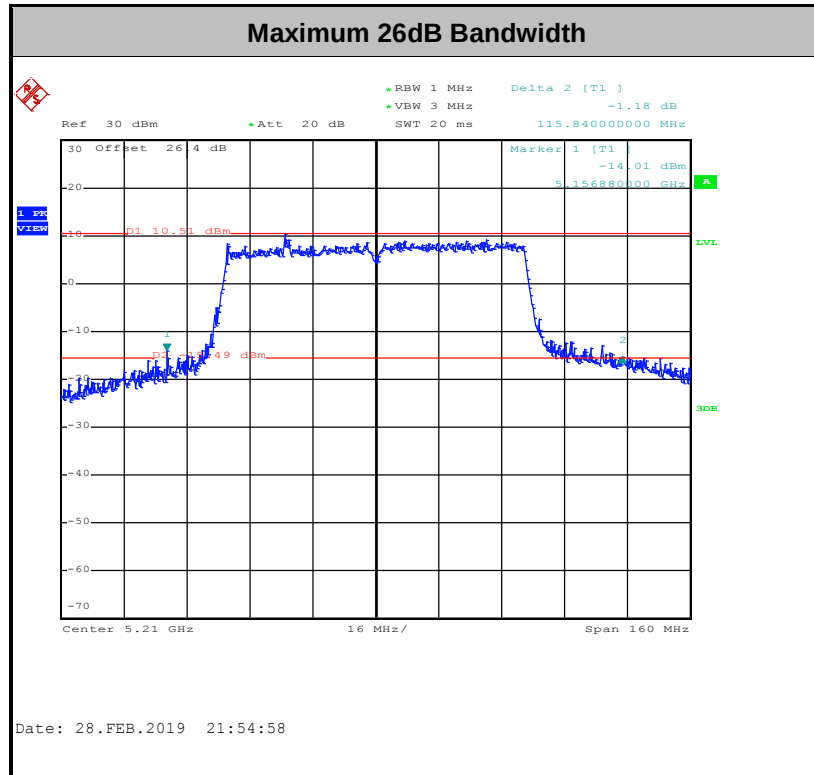
<CDD Mode>



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



<TXBF Modes>



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.

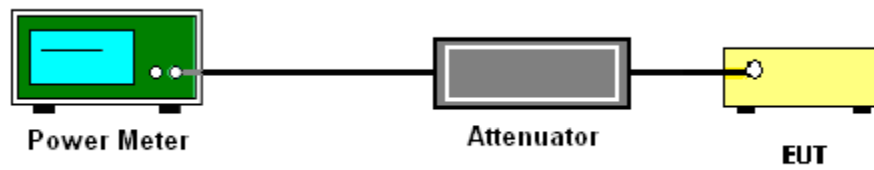
3.2.3 Test Procedures

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

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

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

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.

<CDD Modes>

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- 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 = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

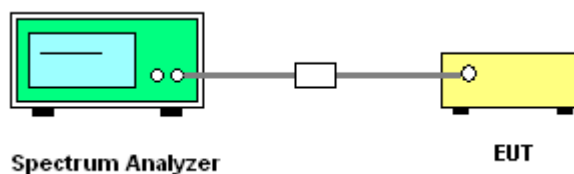
<TXBF Modes>**# Method SA-3 #**

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

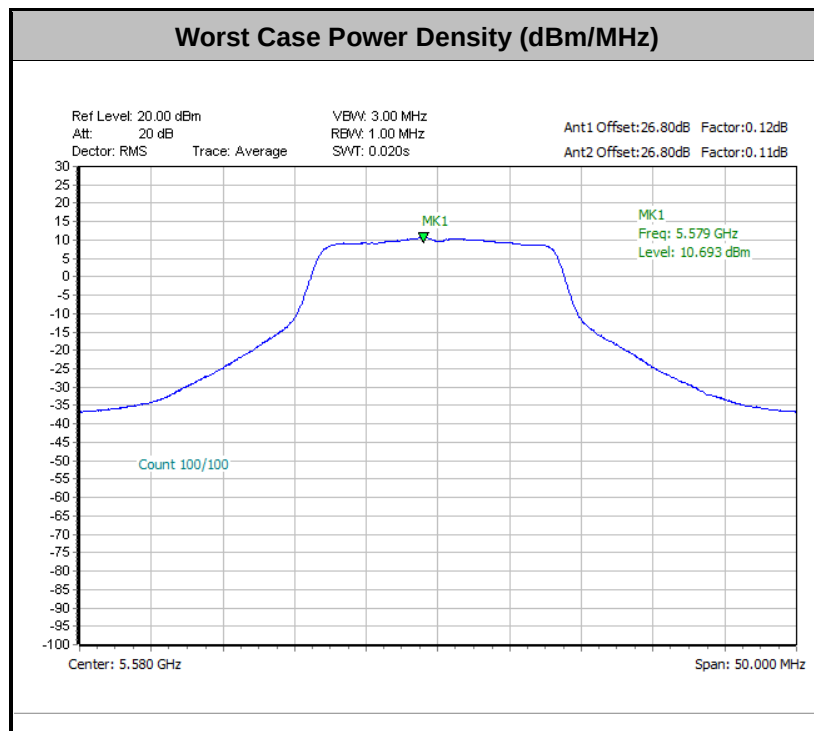
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission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

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

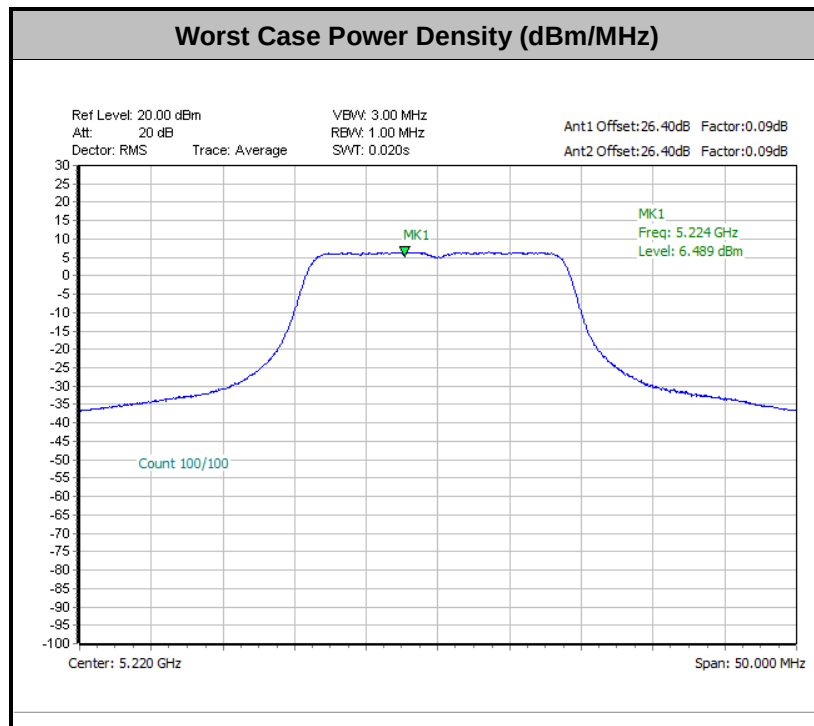
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

3.3.4 Test Setup**3.3.5 Test Result of Power Spectral Density**

Please refer to Appendix A.

<CDD Modes>


Note: Average Power Density (dB) = Measured value+ Duty Factor

<TXBF Modes>


3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

- (i) 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

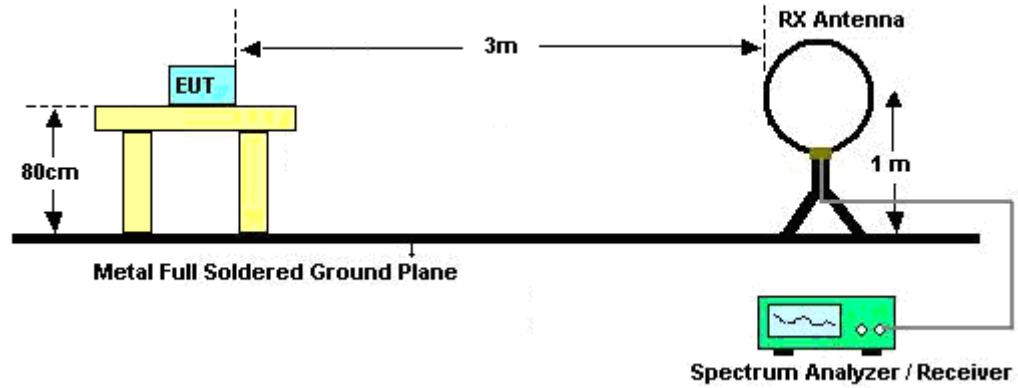
- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

(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.

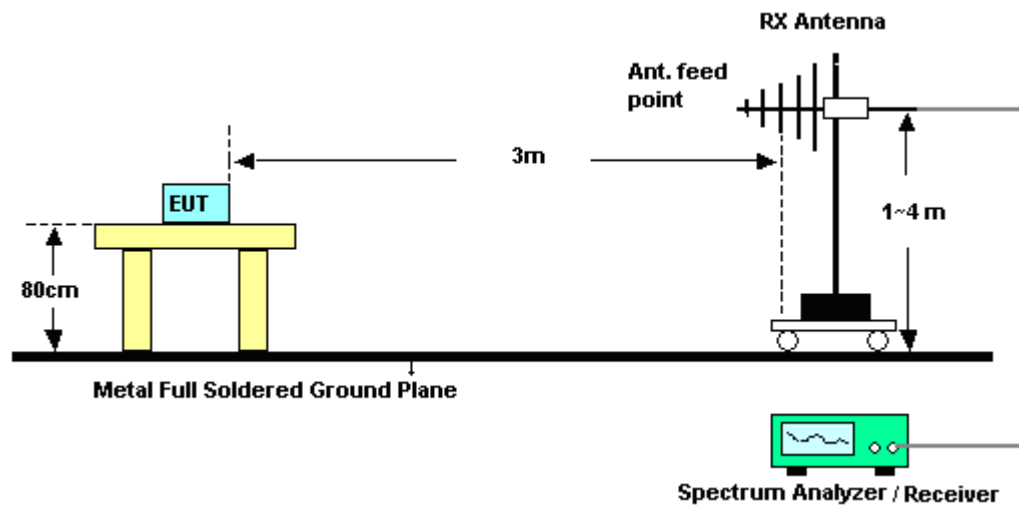
3.4.4 Test Setup

For radiated emissions below 30MHz

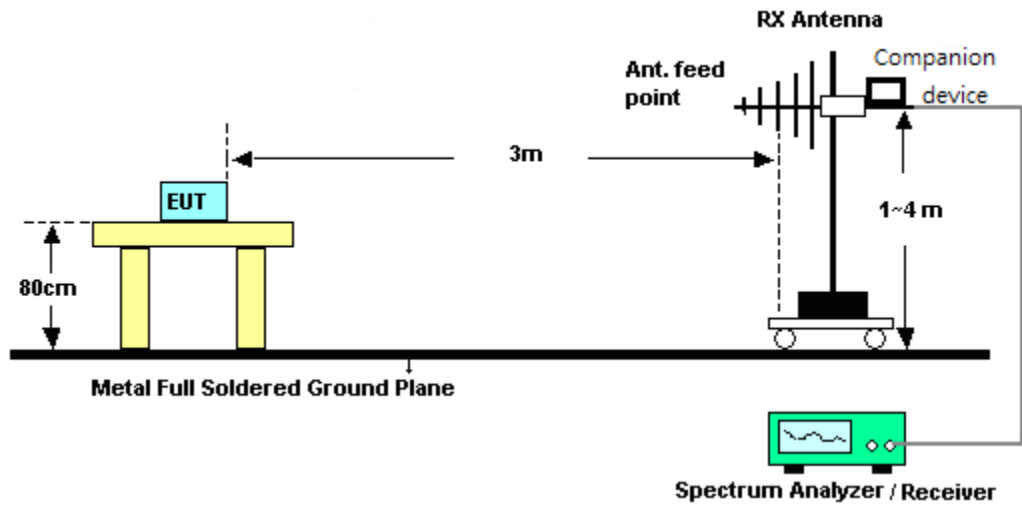


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

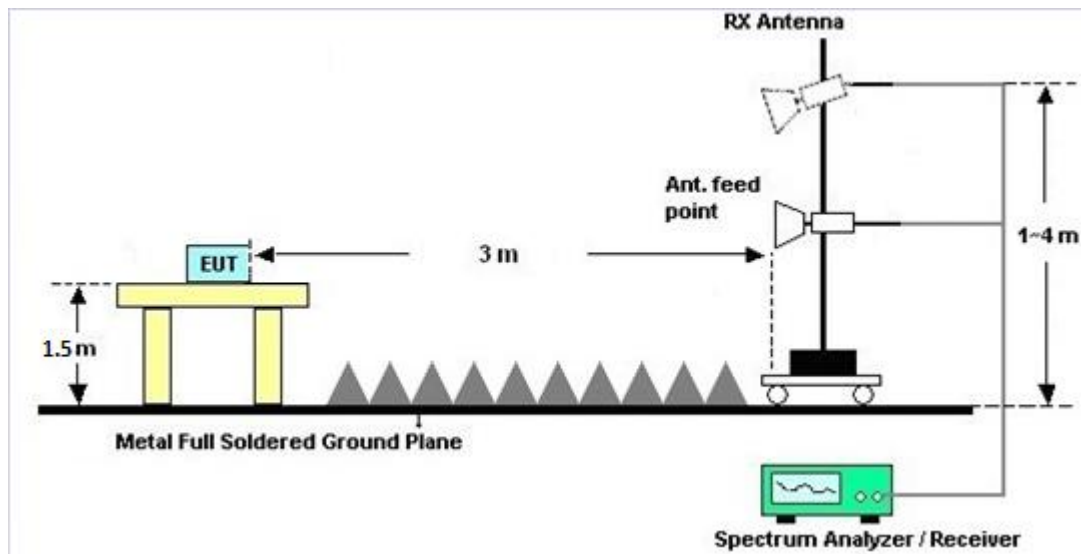


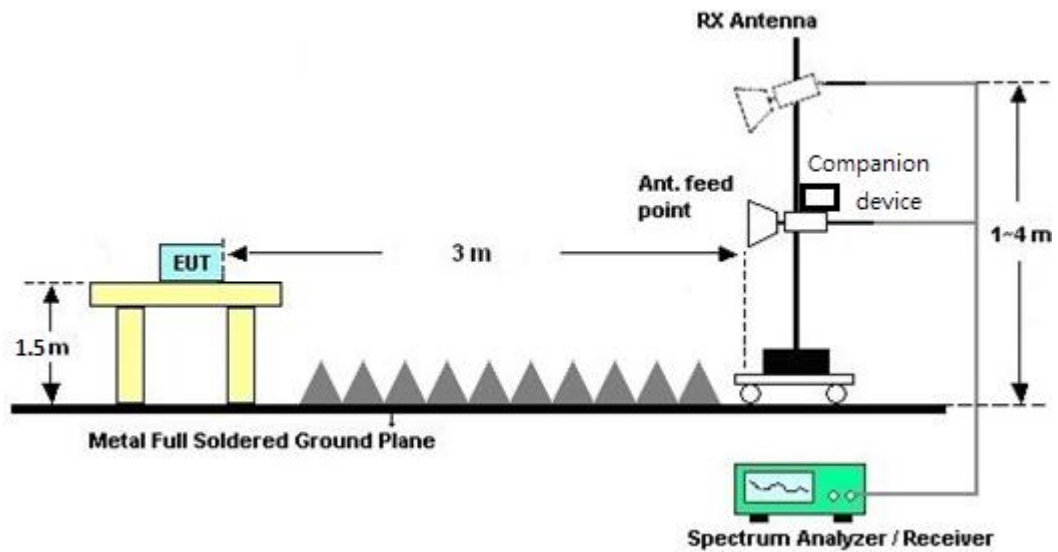
<TXBF Modes>



For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>

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.

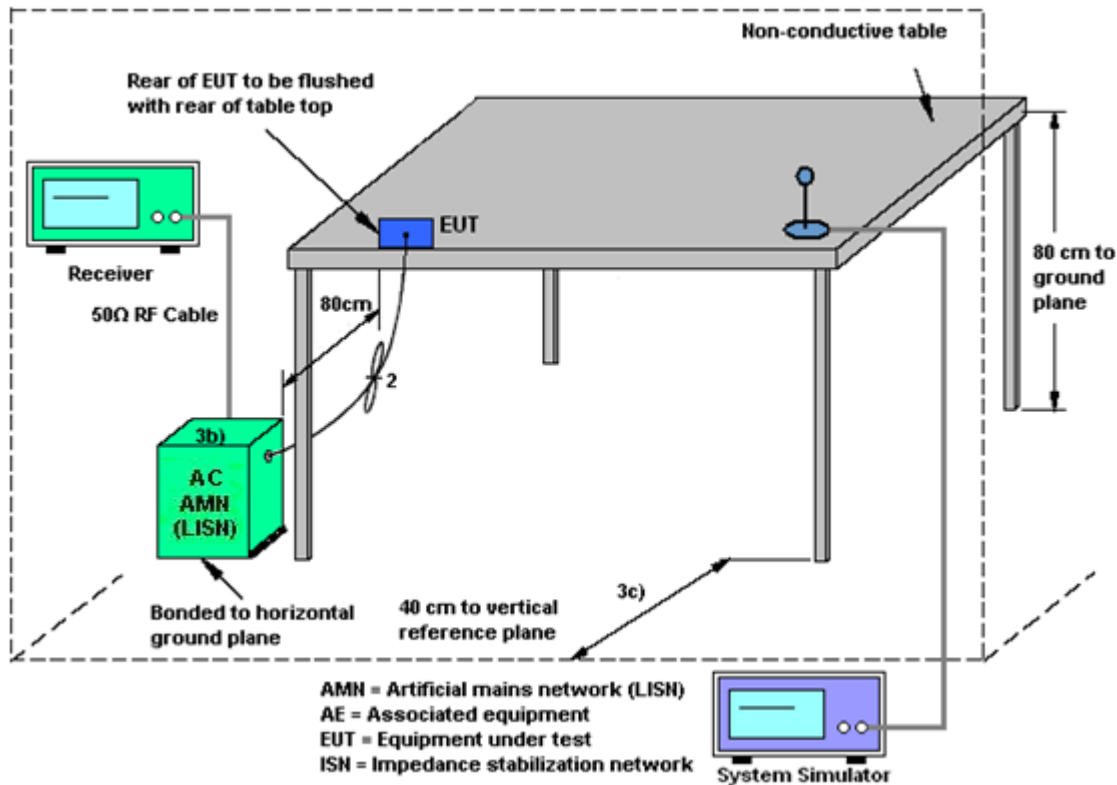
3.5.2 Measuring Instruments

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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

Array Gain = $10 \log(\text{NANT}/\text{NSS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>						
	Ant. 1	Ant. 2	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-2.00	-6.70	-2.00	-1.03	0.00	0.00
Band II	-2.00	-8.00	-2.00	-1.48	0.00	0.00
Band III	-1.90	-9.50	-1.90	-1.88	0.00	0.00

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

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

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

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 1	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-2.00	-6.70	-1.03	-1.03	0.00	0.00
Band II	-2.00	-8.00	-1.48	-1.48	0.00	0.00
Band III	-1.90	-9.50	-1.88	-1.88	0.00	0.00

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 06, 2018	Feb. 02, 2019~ Feb. 28, 2019	Mar. 05, 2019	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1218006	N/A	Oct. 08, 2018	Feb. 02, 2019~ Feb. 28, 2019	Oct. 07, 2019	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~40GHz	Oct. 08, 2018	Feb. 02, 2019~ Feb. 28, 2019	Oct. 07, 2019	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	GEO821763	N/A	Oct. 08, 2018	Feb. 02, 2019~ Feb. 28, 2019	Oct. 07, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz~40GHz	Nov. 21, 2018	Feb. 02, 2019~ Feb. 28, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Feb. 02, 2019~ Feb. 27, 2019	Feb. 28, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Feb. 28, 2019	Feb. 28, 2019	Feb. 27, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 17, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Feb. 17, 2019	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 06, 2018	Feb. 17, 2019	Mar. 05, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Feb. 17, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Feb. 17, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 17, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Feb. 17, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz~200MHz	Nov. 08, 2018	Feb. 17, 2019	Nov. 07, 2019	Conduction (CO05-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35419&03	30MHz to 1GHz	Dec. 17, 2018	Feb. 05, 2019~ Mar. 15, 2019	Dec. 16, 2019	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 02, 2018	Feb. 05, 2019~ Mar. 15, 2019	Dec. 03, 2019	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY53290053	20Hz to 26.5GHz	Jan. 23, 2019	Feb. 05, 2019~ Mar. 15, 2019	Jan. 22, 2020	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 11, 2019	Feb. 05, 2019~ Mar. 15, 2019	Jan. 10, 2020	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 25, 2018	Feb. 05, 2019~ Mar. 15, 2019	Apr. 24, 2019	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	May 21, 2018	Feb. 05, 2019~ Mar. 15, 2019	May 20, 2019	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Nov. 02, 2018	Feb. 05, 2019~ Mar. 15, 2019	Nov. 01, 2019	Radiation (03CH07-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H2	41410070	N/A	Oct. 22, 2018	Feb. 05, 2019~ Mar. 15, 2019	Oct. 21, 2019	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	Feb. 05, 2019~ Mar. 15, 2019	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF78020836 8	Control Ant Mast	N/A	Feb. 05, 2019~ Mar. 15, 2019	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Feb. 05, 2019~ Mar. 15, 2019	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Feb. 05, 2019~ Mar. 15, 2019	N/A	Radiation (03CH07-HY)
Amplifier	MITEQ	TTA1840-35-H G	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Feb. 05, 2019~ Mar. 15, 2019	Jul. 15, 2019	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917025 1	18GHz- 40GHz	Nov. 20, 2018	Feb. 05, 2019~ Mar. 15, 2019	Nov. 19, 2019	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Apr. 17, 2018	Feb. 05, 2019~ Mar. 15, 2019	Apr. 16, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4, MY28655/4	9KHz~30MHz	Feb. 27, 2018	Feb. 05, 2019~ Feb. 25, 2019	Feb. 26, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4, MY28655/4	9KHz~30MHz	Feb. 26, 2019	Feb. 26, 2019~ Mar. 15, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	30MHz~1GHz	Feb. 27, 2018	Feb. 05, 2019~ Feb. 25, 2019	Feb. 26, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	30MHz~1GHz	Feb. 26, 2019	Feb. 26, 2019~ Mar. 15, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	1GHz~18GHz	Feb. 27, 2018	Feb. 05, 2019~ Feb. 25, 2019	Feb. 26, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	1GHz~18GHz	Feb. 26, 2019	Feb. 26, 2019~ Mar. 15, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 27, 2018	Feb. 05, 2019~ Feb. 25, 2019	Feb. 26, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 26, 2019	Feb. 26, 2019~ Mar. 15, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Dec. 07, 2017	Feb. 05, 2019~ Mar. 15, 2019	Dec. 06, 2018	Radiation (03CH07-HY)
Filter	Wainwright	WLKS1200-8S S	SN3	1.2G Low Pass	Nov. 21, 2017	Feb. 05, 2019~ Mar. 15, 2019	Nov. 20, 2018	Radiation (03CH07-HY)
Filter	Microwave	H3G018G1	SN477220	3.0G High Pass	Nov. 21, 2017	Feb. 05, 2019~ Mar. 15, 2019	Nov. 20, 2018	Radiation (03CH07-HY)
Filter	Microwave	WHKX7.0/26.5 G-6SS	SN4	7G High Pass	Nov. 21, 2017	Feb. 05, 2019~ Mar. 15, 2019	Nov. 20, 2018	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-2 4	8050400465 6H	N/A	N/A	Feb. 05, 2019~ Mar. 15, 2019	N/A	Radiation (03CH07-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.20
--	------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.70
--	------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.50
--	------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
--	------

Appendix A. Test Result of Conducted Test Items

<CDD Mode>

Test Engineer:	Richard Qiu	Temperature:	21~25	°C
Test Date:	2019/2/2~2019/2/28	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	2	36	5180	16.70	16.65	24.33	25.34	-		22.21		
11a	6Mbps	2	44	5220	16.75	16.70	24.40	24.87	-		22.23		
11a	6Mbps	2	48	5240	16.75	16.70	23.93	25.33	-		22.23		
VHT20	MCS0	2	36	5180	17.85	17.90	25.23	25.50	-		22.52		
VHT20	MCS0	2	44	5220	17.90	17.85	26.13	25.44	-		22.52		
VHT20	MCS0	2	48	5240	17.85	17.90	25.30	26.50	-		22.52		
VHT40	MCS0	2	38	5190	36.60	36.60	41.88	41.94	-		23.01		
VHT40	MCS0	2	46	5230	36.50	36.50	41.76	41.76	-		23.01		
VHT80	MCS0	2	42	5210	76.80	76.80	83.20	83.29	-		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	17.70	17.70		24.00	24.00	-2.00	-6.70		Pass
11a	6Mbps	1	44	5220	17.80	17.80		24.00	24.00	-2.00	-6.70		Pass
11a	6Mbps	1	48	5240	17.70	17.70		24.00	24.00	-2.00	-6.70		Pass
HT20	MCS0	1	36	5180	17.70	17.70		24.00	24.00	-2.00	-6.70		Pass
HT20	MCS0	1	44	5220	17.70	17.70		24.00	24.00	-2.00	-6.70		Pass
HT20	MCS0	1	48	5240	17.70	17.70		24.00	24.00	-2.00	-6.70		Pass
HT40	MCS0	1	38	5190	16.20	16.30		24.00	24.00	-2.00	-6.70		Pass
HT40	MCS0	1	46	5230	16.20	16.20		24.00	24.00	-2.00	-6.70		Pass
VHT20	MCS0	1	36	5180	17.80	17.80		24.00	24.00	-2.00	-6.70		Pass
VHT20	MCS0	1	44	5220	17.80	17.80		24.00	24.00	-2.00	-6.70		Pass
VHT20	MCS0	1	48	5240	17.80	17.80		24.00	24.00	-2.00	-6.70		Pass
VHT40	MCS0	1	38	5190	16.30	16.40		24.00	24.00	-2.00	-6.70		Pass
VHT40	MCS0	1	46	5230	16.30	16.30		24.00	24.00	-2.00	-6.70		Pass
VHT80	MCS0	1	42	5210	14.60	14.60		24.00	24.00	-2.00	-6.70		Pass
11a	6Mbps	2	36	5180	18.30	17.10	20.75	24.00		-2.00			Pass
11a	6Mbps	2	44	5220	18.30	17.30	20.84	24.00		-2.00			Pass
11a	6Mbps	2	48	5240	18.30	17.10	20.75	24.00		-2.00			Pass
HT20	MCS0	2	36	5180	18.20	17.20	20.74	24.00		-2.00			Pass
HT20	MCS0	2	44	5220	18.10	17.30	20.73	24.00		-2.00			Pass
HT20	MCS0	2	48	5240	18.20	17.20	20.74	24.00		-2.00			Pass
HT40	MCS0	2	38	5190	16.80	15.80	19.34	24.00		-2.00			Pass
HT40	MCS0	2	46	5230	16.80	15.90	19.38	24.00		-2.00			Pass
VHT20	MCS0	2	36	5180	18.30	17.30	20.84	24.00		-2.00			Pass
VHT20	MCS0	2	44	5220	18.20	17.40	20.83	24.00		-2.00			Pass
VHT20	MCS0	2	48	5240	18.30	17.30	20.84	24.00		-2.00			Pass
VHT40	MCS0	2	38	5190	16.90	15.90	19.44	24.00		-2.00			Pass
VHT40	MCS0	2	46	5230	16.90	16.00	19.48	24.00		-2.00			Pass
VHT80	MCS0	2	42	5210	15.00	14.20	17.63	24.00		-2.00			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	2	36	5180	0.12	0.11			9.76	11.00	-1.03			Pass	
11a	6Mbps	2	44	5220	0.12	0.11			10.03	11.00	-1.03			Pass	
11a	6Mbps	2	48	5240	0.12	0.11			9.85	11.00	-1.03			Pass	
VHT20	MCS0	2	36	5180	0.11	0.09			9.52	11.00	-1.03			Pass	
VHT20	MCS0	2	44	5220	0.11	0.09			9.58	11.00	-1.03			Pass	
VHT20	MCS0	2	48	5240	0.11	0.09			9.38	11.00	-1.03			Pass	
VHT40	MCS0	2	38	5190	0.18	0.20			5.41	11.00	-1.03			Pass	
VHT40	MCS0	2	46	5230	0.18	0.20			5.44	11.00	-1.03			Pass	
VHT80	MCS0	2	42	5210	0.36	0.37			0.46	11.00	-1.03			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	2	52	5260	16.75	16.70	24.23	25.30	23.23		29.23		23.98		
11a	6Mbps	2	60	5300	16.75	16.75	24.12	25.50	23.24		29.24		23.98		
11a	6Mbps	2	64	5320	16.65	16.75	24.67	25.30	23.21		29.21		23.98		
VHT20	MCS0	2	52	5260	17.95	17.90	26.01	26.02	23.53		29.53		23.98		
VHT20	MCS0	2	60	5300	17.85	17.90	25.26	25.37	23.52		29.52		23.98		
VHT20	MCS0	2	64	5320	17.80	17.95	25.33	25.70	23.50		29.50		23.98		
VHT40	MCS0	2	54	5270	36.60	36.60	42.12	42.18	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.60	36.50	42.03	41.94	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.68	76.80	83.52	83.84	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	17.60	17.60		23.98	23.98	-2.00	-8.00	26.99	Pass
11a	6Mbps	1	60	5300	17.70	17.60		23.98	23.98	-2.00	-8.00	26.99	Pass
11a	6Mbps	1	64	5320	17.80	17.80		23.98	23.98	-2.00	-8.00	26.99	Pass
HT20	MCS0	1	52	5260	17.80	17.80		23.98	23.98	-2.00	-8.00	26.99	Pass
HT20	MCS0	1	60	5300	17.70	17.70		23.98	23.98	-2.00	-8.00	26.99	Pass
HT20	MCS0	1	64	5320	17.70	17.70		23.98	23.98	-2.00	-8.00	26.99	Pass
HT40	MCS0	1	54	5270	16.10	16.20		23.98	23.98	-2.00	-8.00	26.99	Pass
HT40	MCS0	1	62	5310	16.20	16.10		23.98	23.98	-2.00	-8.00	26.99	Pass
VHT20	MCS0	1	52	5260	17.90	17.90		23.98	23.98	-2.00	-8.00	26.99	Pass
VHT20	MCS0	1	60	5300	17.80	17.80		23.98	23.98	-2.00	-8.00	26.99	Pass
VHT20	MCS0	1	64	5320	17.80	17.80		23.98	23.98	-2.00	-8.00	26.99	Pass
VHT40	MCS0	1	54	5270	16.20	16.30		23.98	23.98	-2.00	-8.00	26.99	Pass
VHT40	MCS0	1	62	5310	16.30	16.30		23.98	23.98	-2.00	-8.00	26.99	Pass
VHT80	MCS0	1	58	5290	14.60	14.70		23.98	23.98	-2.00	-8.00	26.99	Pass
11a	6Mbps	2	52	5260	18.20	17.10	20.70	23.98		-2.00		26.99	Pass
11a	6Mbps	2	60	5300	18.30	17.20	20.80	23.98		-2.00		26.99	Pass
11a	6Mbps	2	64	5320	18.40	17.10	20.81	23.98		-2.00		26.99	Pass
HT20	MCS0	2	52	5260	18.20	17.40	20.83	23.98		-2.00		26.99	Pass
HT20	MCS0	2	60	5300	18.30	17.20	20.80	23.98		-2.00		26.99	Pass
HT20	MCS0	2	64	5320	18.20	17.20	20.74	23.98		-2.00		26.99	Pass
HT40	MCS0	2	54	5270	16.60	15.80	19.23	23.98		-2.00		26.99	Pass
HT40	MCS0	2	62	5310	16.80	15.70	19.30	23.98		-2.00		26.99	Pass
VHT20	MCS0	2	52	5260	18.30	17.50	20.93	23.98		-2.00		26.99	Pass
VHT20	MCS0	2	60	5300	18.40	17.30	20.90	23.98		-2.00		26.99	Pass
VHT20	MCS0	2	64	5320	18.30	17.30	20.84	23.98		-2.00		26.99	Pass
VHT40	MCS0	2	54	5270	16.70	15.90	19.33	23.98		-2.00		26.99	Pass
VHT40	MCS0	2	62	5310	16.90	15.80	19.40	23.98		-2.00		26.99	Pass
VHT80	MCS0	2	58	5290	15.30	14.10	17.75	23.98		-2.00		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	2	52	5260	0.12	0.11			9.83	11.00		-1.48		Pass	
11a	6Mbps	2	60	5300	0.12	0.11			9.83	11.00		-1.48		Pass	
11a	6Mbps	2	64	5320	0.12	0.11			9.77	11.00		-1.48		Pass	
VHT20	MCS0	2	52	5260	0.11	0.09			9.85	11.00		-1.48		Pass	
VHT20	MCS0	2	60	5300	0.11	0.09			9.35	11.00		-1.48		Pass	
VHT20	MCS0	2	64	5320	0.11	0.09			9.40	11.00		-1.48		Pass	
VHT40	MCS0	2	54	5270	0.18	0.20			5.23	11.00		-1.48		Pass	
VHT40	MCS0	2	62	5310	0.18	0.20			5.21	11.00		-1.48		Pass	
VHT80	MCS0	2	58	5290	0.36	0.37			0.60	11.00		-1.48		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	2	100	5500	16.70	16.80	24.70	26.40	23.23		29.23		23.98		----	----
11a	6Mbps	2	116	5580	16.65	16.75	24.80	24.90	23.21		29.21		23.98		----	----
11a	6Mbps	2	140	5700	16.85	16.75	26.20	25.20	23.24		29.24		23.98		----	----
11a	6Mbps	2	144	5720	13.50	13.40	17.75	17.77	22.27		28.27		23.49		2.55	3.1
VHT20	MCS0	2	100	5500	17.90	18.00	25.24	27.13	23.53		29.53		23.98		----	----
VHT20	MCS0	2	116	5580	17.85	17.95	26.53	26.40	23.52		29.52		23.98		----	----
VHT20	MCS0	2	140	5700	18.00	18.00	26.87	27.90	23.55		29.55		23.98		----	----
VHT20	MCS0	2	144	5720	14.00	14.05	19.16	18.55	22.46		28.46		23.68		2.55	3.13
VHT40	MCS0	2	102	5510	36.50	36.60	42.12	42.30	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.60	36.60	42.18	42.43	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.50	36.50	42.12	42.30	23.98		30.00		23.98		----	----
VHT40	MCS0	2	142	5710	33.40	33.40	35.88	35.82	23.98		30.00		23.98		2.6	3.08
VHT80	MCS0	2	106	5530	76.92	76.92	84.24	83.63	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.68	76.80	83.61	83.52	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.52	73.40	77.24	76.44	23.98		30.00		23.98		2.6	2.6

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	17.80	17.70		23.98	23.98	-1.90	-9.50	26.99	Pass
11a	6Mbps	1	116	5580	17.80	17.60		23.98	23.98	-1.90	-9.50	26.99	Pass
11a	6Mbps	1	140	5700	17.80	17.80		23.98	23.98	-1.90	-9.50	26.99	Pass
11a	6Mbps	1	144	5720	17.80	17.70		23.98	23.98	-1.90	-9.50	26.99	Pass
HT20	MCS0	1	100	5500	17.60	17.60		23.98	23.98	-1.90	-9.50	26.99	Pass
HT20	MCS0	1	116	5580	17.70	17.60		23.98	23.98	-1.90	-9.50	26.99	Pass
HT20	MCS0	1	140	5700	17.60	17.70		23.98	23.98	-1.90	-9.50	26.99	Pass
HT20	MCS0	1	144	5720	17.60	17.80		23.98	23.98	-1.90	-9.50	26.99	Pass
HT40	MCS0	1	102	5510	16.00	16.10		23.98	23.98	-1.90	-9.50	26.99	Pass
HT40	MCS0	1	110	5550	16.10	16.10		23.98	23.98	-1.90	-9.50	26.99	Pass
HT40	MCS0	1	134	5670	16.10	16.10		23.98	23.98	-1.90	-9.50	26.99	Pass
HT40	MCS0	1	142	5710	16.30	16.30		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT20	MCS0	1	100	5500	17.70	17.70		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT20	MCS0	1	116	5580	17.80	17.70		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT20	MCS0	1	140	5700	17.70	17.80		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT20	MCS0	1	144	5720	17.70	17.90		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT40	MCS0	1	102	5510	16.10	16.20		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT40	MCS0	1	110	5550	16.20	16.20		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT40	MCS0	1	134	5670	16.20	16.20		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT40	MCS0	1	142	5710	16.40	16.40		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT80	MCS0	1	106	5530	14.70	14.60		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT80	MCS0	1	122	5610	14.70	14.60		23.98	23.98	-1.90	-9.50	26.99	Pass
VHT80	MCS0	1	138	5690	14.70	14.60		23.98	23.98	-1.90	-9.50	26.99	Pass

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	2	100	5500	18.10	17.60	20.87	23.98		-1.90		26.99	Pass
11a	6Mbps	2	116	5580	18.20	17.40	20.83	23.98		-1.90		26.99	Pass
11a	6Mbps	2	140	5700	18.20	17.40	20.83	23.98		-1.90		26.99	Pass
11a	6Mbps	2	144	5720	18.30	17.30	20.84	23.49		-1.90		26.99	Pass
HT20	MCS0	2	100	5500	17.80	17.50	20.66	23.98		-1.90		26.99	Pass
HT20	MCS0	2	116	5580	18.10	17.40	20.77	23.98		-1.90		26.99	Pass
HT20	MCS0	2	140	5700	18.10	17.30	20.73	23.98		-1.90		26.99	Pass
HT20	MCS0	2	144	5720	18.30	17.40	20.88	23.98		-1.90		26.99	Pass
HT40	MCS0	2	102	5510	16.20	16.00	19.11	23.98		-1.90		26.99	Pass
HT40	MCS0	2	110	5550	16.40	15.90	19.17	23.98		-1.90		26.99	Pass
HT40	MCS0	2	134	5670	16.60	15.90	19.27	23.98		-1.90		26.99	Pass
HT40	MCS0	2	142	5710	16.80	15.90	19.38	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	100	5500	17.90	17.60	20.76	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	116	5580	18.20	17.50	20.87	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	140	5700	18.20	17.40	20.83	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	144	5720	18.40	17.50	20.98	23.68		-1.90		26.99	Pass
VHT40	MCS0	2	102	5510	16.30	16.10	19.21	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	110	5550	16.50	16.00	19.27	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	134	5670	16.70	16.00	19.37	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	142	5710	16.90	16.00	19.48	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	106	5530	14.70	14.70	17.71	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	122	5610	15.00	14.40	17.72	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	138	5690	15.00	14.50	17.77	23.98		-1.90		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	2	100	5500	0.12	0.11			10.48	11.00		-1.88		Pass
11a	6Mbps	2	116	5580	0.12	0.11			10.69	11.00		-1.88		Pass
11a	6Mbps	2	140	5700	0.12	0.11			9.79	11.00		-1.88		Pass
11a	6Mbps	2	144	5720	0.12	0.11			9.79	11.00		-1.88		Pass
VHT20	MCS0	2	100	5500	0.11	0.09			9.79	11.00		-1.88		Pass
VHT20	MCS0	2	116	5580	0.11	0.09			10.01	11.00		-1.88		Pass
VHT20	MCS0	2	140	5700	0.11	0.09			9.04	11.00		-1.88		Pass
VHT20	MCS0	2	144	5720	0.11	0.09			9.77	11.00		-1.88		Pass
VHT40	MCS0	2	102	5510	0.18	0.20			5.13	11.00		-1.88		Pass
VHT40	MCS0	2	110	5550	0.18	0.20			5.26	11.00		-1.88		Pass
VHT40	MCS0	2	134	5670	0.18	0.20			4.71	11.00		-1.88		Pass
VHT40	MCS0	2	142	5710	0.18	0.20			5.05	11.00		-1.88		Pass
VHT80	MCS0	2	106	5530	0.36	0.37			0.52	11.00		-1.88		Pass
VHT80	MCS0	2	122	5610	0.36	0.37			0.59	11.00		-1.88		Pass
VHT80	MCS0	2	138	5690	0.36	0.37			0.03	11.00		-1.88		Pass

<TXBF Mode>

Test Engineer:	Richard Qiu	Temperature:	21~25	°C
Test Date:	2019/2/2~2019/2/28	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	
VHT20	MCS0	2	36	5180	17.95	17.95	24.40	25.20	-		22.54		
VHT20	MCS0	2	44	5220	17.90	17.85	24.85	25.45	-		22.52		
VHT20	MCS0	2	48	5240	17.85	17.85	24.75	24.20	-		22.52		
VHT40	MCS0	2	38	5190	34.40	37.00	56.34	57.73	-		23.01		
VHT40	MCS0	2	46	5230	36.90	36.90	56.57	51.48	-		23.01		
VHT80	MCS0	2	42	5210	78.72	78.60	95.54	115.84	-		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		
VHT20	MCS0	2	36	5180	18.10	17.40	20.77	24.00		-1.04			Pass
VHT20	MCS0	2	44	5220	18.10	17.80	20.96	24.00		-1.04			Pass
VHT20	MCS0	2	48	5240	18.10	17.30	20.73	24.00		-1.04			Pass
VHT40	MCS0	2	38	5190	16.50	15.40	19.00	24.00		-1.04			Pass
VHT40	MCS0	2	46	5230	17.80	17.40	20.61	24.00		-1.04			Pass
VHT80	MCS0	2	42	5210	16.00	15.50	18.77	24.00		-1.04			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	
VHT20	MCS0	2	36	5180	0.09	0.09			3.96	11.00		-1.04		Pass
VHT20	MCS0	2	44	5220	0.09	0.09			6.49	11.00		-1.04		Pass
VHT20	MCS0	2	48	5240	0.09	0.09			5.97	11.00		-1.04		Pass
VHT40	MCS0	2	38	5190	0.15	0.09			3.59	11.00		-1.04		Pass
VHT40	MCS0	2	46	5230	0.15	0.09			3.26	11.00		-1.04		Pass
VHT80	MCS0	2	42	5210	0.09	0.09			1.97	11.00		-1.04		Pass



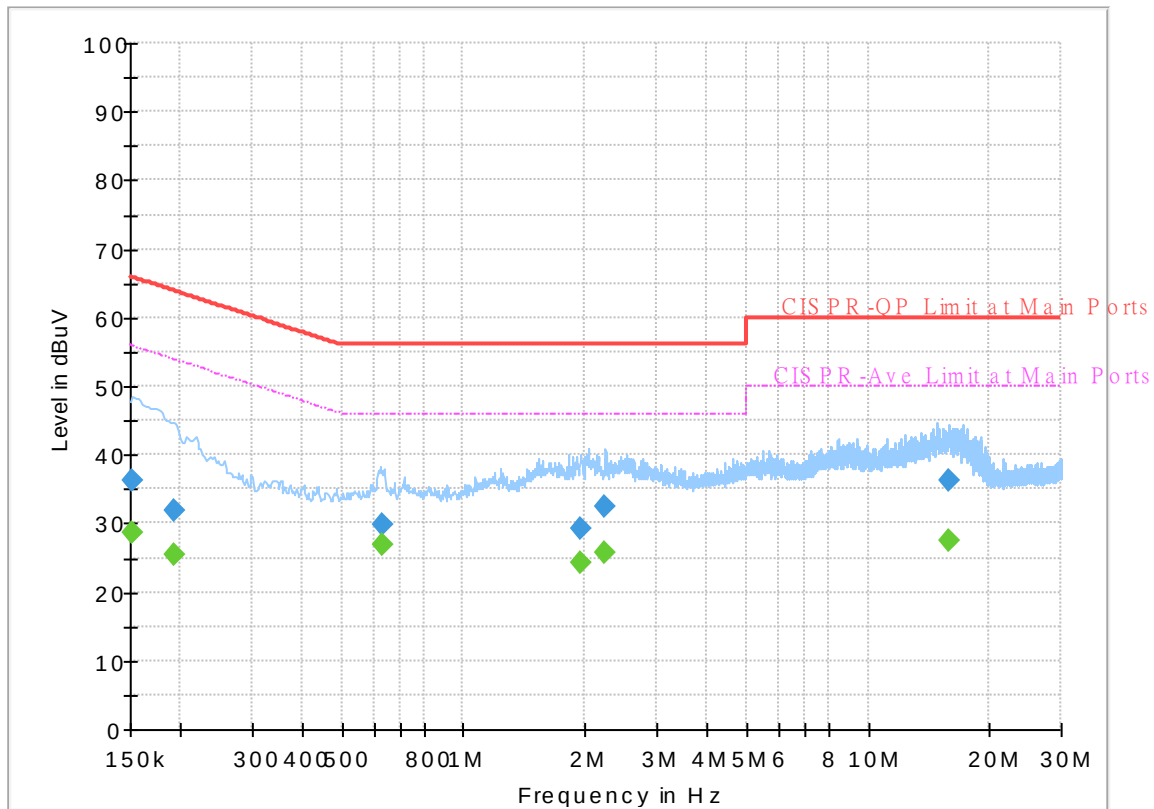
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Eric Jeng	Temperature :	22~25°C
		Relative Humidity :	52~55%

EUT Information

Report NO : 912419
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



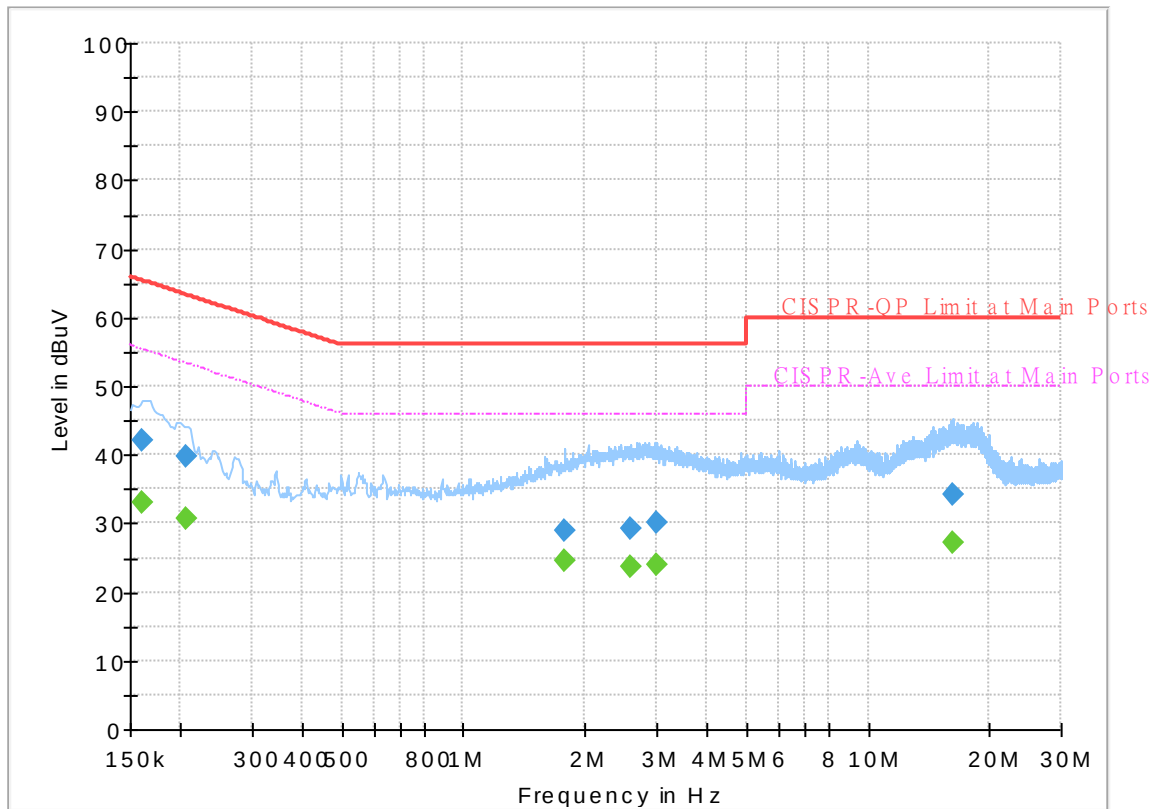
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.58	55.88	27.30	L1	OFF	19.5
0.152250	36.14	---	65.88	29.74	L1	OFF	19.5
0.192750	---	25.42	53.92	28.50	L1	OFF	19.5
0.192750	31.79	---	63.92	32.13	L1	OFF	19.5
0.629250	---	27.00	46.00	19.00	L1	OFF	19.6
0.629250	29.91	---	56.00	26.09	L1	OFF	19.6
1.945500	---	24.20	46.00	21.80	L1	OFF	19.6
1.945500	29.38	---	56.00	26.62	L1	OFF	19.6
2.244750	---	25.76	46.00	20.24	L1	OFF	19.5
2.244750	32.39	---	56.00	23.61	L1	OFF	19.5
15.819000	---	27.57	50.00	22.43	L1	OFF	20.1
15.819000	36.14	---	60.00	23.86	L1	OFF	20.1

EUT Information

Report NO : 912419
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)
0.161250	---	33.00	55.40	22.40	N	OFF	19.5
0.161250	42.00	---	65.40	23.40	N	OFF	19.5
0.206250	---	30.57	53.36	22.79	N	OFF	19.5
0.206250	39.70	---	63.36	23.66	N	OFF	19.5
1.776750	---	24.42	46.00	21.58	N	OFF	19.6
1.776750	28.88	---	56.00	27.12	N	OFF	19.6
2.598000	---	23.63	46.00	22.37	N	OFF	19.6
2.598000	29.30	---	56.00	26.70	N	OFF	19.6
2.998500	---	24.11	46.00	21.89	N	OFF	19.6
2.998500	30.20	---	56.00	25.80	N	OFF	19.6
16.275750	---	27.17	50.00	22.83	N	OFF	20.2
16.275750	34.30	---	60.00	25.70	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Troye Hsieh	Temperature :	22~25°C
		Relative Humidity :	55~60%

<Open Mode>

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5145.86	53.76	-20.24	74	42.41	34.3	11.03	33.98	263	175	P	H
		5144.04	43.39	-10.61	54	32.04	34.3	11.03	33.98	263	175	A	H
	*	5180	108.92	-	-	97.57	34.3	11.03	33.98	263	175	P	H
	*	5180	101.49	-	-	90.14	34.3	11.03	33.98	263	175	A	H
													H
		5134.16	51.1	-22.9	74	39.92	34.2	10.96	33.98	103	146	P	V
		5141.96	41.86	-12.14	54	30.51	34.3	11.03	33.98	103	146	A	V
	*	5180	106.92	-	-	95.57	34.3	11.03	33.98	103	146	P	V
	*	5180	99.61	-	-	88.26	34.3	11.03	33.98	103	146	A	V
													V
802.11a CH 44 5220MHz		5118.3	49.29	-24.71	74	38.21	34.1	10.96	33.98	258	171	P	H
		5149.5	41.11	-12.89	54	29.76	34.3	11.03	33.98	258	171	A	H
	*	5220	109.13	-	-	97.68	34.33	11.1	33.98	258	171	P	H
	*	5220	101.91	-	-	90.46	34.33	11.1	33.98	258	171	A	H
		5439	49.86	-24.14	74	37.98	34.67	11.2	33.99	258	171	P	H
		5412.68	40.63	-13.37	54	28.84	34.63	11.15	33.99	258	171	A	H
		5037.96	49.79	-24.21	74	38.83	34.1	10.83	33.97	102	146	P	V
		5143.52	40.76	-13.24	54	29.41	34.3	11.03	33.98	102	146	A	V
	*	5220	107.01	-	-	95.56	34.33	11.1	33.98	102	146	P	V
	*	5220	99.67	-	-	88.22	34.33	11.1	33.98	102	146	A	V
		5385.24	49.13	-24.87	74	37.44	34.53	11.15	33.99	102	146	P	V
		5453.28	40.65	-13.35	54	28.74	34.7	11.2	33.99	102	146	A	V



802.11a CH 48 5240MHz		5080.34	49.44	-24.56	74	38.48	34.03	10.9	33.97	253	174	P	H
		5147.94	40.75	-13.25	54	29.4	34.3	11.03	33.98	253	174	A	H
	*	5240	108.87	-	-	97.37	34.37	11.11	33.98	253	174	P	H
	*	5240	101.5	-	-	90	34.37	11.11	33.98	253	174	A	H
		5377.12	49.88	-24.12	74	38.26	34.47	11.14	33.99	253	174	P	H
		5416.04	40.78	-13.22	54	28.99	34.63	11.15	33.99	253	174	A	H
		5145.86	49.22	-24.78	74	37.87	34.3	11.03	33.98	100	145	P	V
		5092.3	40.59	-13.41	54	29.66	34	10.9	33.97	100	145	A	V
	*	5240	107.68	-	-	96.18	34.37	11.11	33.98	100	145	P	V
	*	5240	100.25	-	-	88.75	34.37	11.11	33.98	100	145	A	V
		5448.24	49.39	-24.61	74	37.48	34.7	11.2	33.99	100	145	P	V
		5350.24	40.67	-13.33	54	29.11	34.4	11.14	33.98	100	145	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.7	-21.5	68.2	51.7	37.33	17	59.33	100	0	P	H
		15540	50.54	-23.46	74	46.34	40.27	20.52	56.59	100	0	P	H
													H
													H
		10360	46.58	-21.62	68.2	51.58	37.33	17	59.33	100	0	P	V
		15540	50.8	-23.2	74	46.6	40.27	20.52	56.59	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46	-22.2	68.2	50.77	37.4	17.1	59.27	100	0	P	H
		15660	50.08	-23.92	74	45.78	40.3	20.57	56.57	100	0	P	H
													H
													H
		10440	45.56	-22.64	68.2	50.33	37.4	17.1	59.27	100	0	P	V
		15660	50.05	-23.95	74	45.75	40.3	20.57	56.57	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.46	-21.74	68.2	51.13	37.4	17.15	59.22	100	0	P	H
		15720	50.13	-23.87	74	45.65	40.43	20.61	56.56	100	0	P	H
													H
													H
		10480	45.19	-23.01	68.2	49.86	37.4	17.15	59.22	100	0	P	V
		15720	50.15	-23.85	74	45.67	40.43	20.61	56.56	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 36 5180MHz		5145.6	53.37	-20.63	74	42.02	34.3	11.03	33.98	261	141	P	H
		5135.98	43.54	-10.46	54	32.36	34.2	10.96	33.98	261	141	A	H
	*	5180	109.75	-	-	98.4	34.3	11.03	33.98	261	141	P	H
	*	5180	102.02	-	-	90.67	34.3	11.03	33.98	261	141	A	H
													H
													H
		5145.34	50.63	-23.37	74	39.28	34.3	11.03	33.98	100	156	P	V
		5143.52	41.47	-12.53	54	30.12	34.3	11.03	33.98	100	156	A	V
	*	5180	106.47	-	-	95.12	34.3	11.03	33.98	100	156	P	V
	*	5180	99.02	-	-	87.67	34.3	11.03	33.98	100	156	A	V
													V
													V
802.11ac VHT20 CH 44 5220MHz		5143	51.03	-22.97	74	39.68	34.3	11.03	33.98	256	142	P	H
		5148.98	41.94	-12.06	54	30.59	34.3	11.03	33.98	256	142	A	H
	*	5220	109.74	-	-	98.29	34.33	11.1	33.98	256	142	P	H
	*	5220	102.18	-	-	90.73	34.33	11.1	33.98	256	142	A	H
		5447.68	50.37	-23.63	74	38.46	34.7	11.2	33.99	256	142	P	H
		5452.72	41.67	-12.33	54	29.76	34.7	11.2	33.99	256	142	A	H
		5132.6	49.19	-24.81	74	38.01	34.2	10.96	33.98	107	295	P	V
		5148.46	40.26	-13.74	54	28.91	34.3	11.03	33.98	107	295	A	V
	*	5224	107.33	-	-	95.87	34.33	11.11	33.98	107	295	P	V
	*	5224	99.66	-	-	88.2	34.33	11.11	33.98	107	295	A	V
		5416.88	48.88	-25.12	74	37.09	34.63	11.15	33.99	107	295	P	V
		5453.28	40.66	-13.34	54	28.75	34.7	11.2	33.99	107	295	A	V



802.11ac VHT20 CH 48 5240MHz		5145.34	49.23	-24.77	74	37.88	34.3	11.03	33.98	240	140	P	H
		5144.04	41.07	-12.93	54	29.72	34.3	11.03	33.98	240	140	A	H
	*	5240	109.57	-	-	98.07	34.37	11.11	33.98	240	140	P	H
	*	5240	102.17	-	-	90.67	34.37	11.11	33.98	240	140	A	H
		5374.6	50.77	-23.23	74	39.15	34.47	11.14	33.99	240	140	P	H
		5381.32	41.57	-12.43	54	29.88	34.53	11.15	33.99	240	140	A	H
		5000	53.2	-20.8	74	42.41	34	10.76	33.97	131	119	P	V
		5146.64	40.48	-13.52	54	29.13	34.3	11.03	33.98	131	119	A	V
	*	5240	106.89	-	-	95.39	34.37	11.11	33.98	131	119	P	V
	*	5240	99.52	-	-	88.02	34.37	11.11	33.98	131	119	A	V
		5409.04	49.55	-24.45	74	37.79	34.6	11.15	33.99	131	119	P	V
		5425.84	40.78	-13.22	54	28.94	34.63	11.2	33.99	131	119	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 36 5180MHz		10360	46.17	-22.03	68.2	51.17	37.33	17	59.33	100	0	P	H
		15540	50.14	-23.86	74	45.94	40.27	20.52	56.59	100	0	P	H
													H
													H
		10360	47.46	-20.74	68.2	52.46	37.33	17	59.33	100	0	P	V
		15540	49.91	-24.09	74	45.71	40.27	20.52	56.59	100	0	P	V
													V
													V
802.11ac VHT20 CH 44 5220MHz		10440	46.89	-21.31	68.2	51.66	37.4	17.1	59.27	100	0	P	H
		15660	50.85	-23.15	74	46.55	40.3	20.57	56.57	100	0	P	H
													H
													H
		10440	46.17	-22.03	68.2	50.94	37.4	17.1	59.27	100	0	P	V
		15660	55.77	-18.23	74	51.47	40.3	20.57	56.57	100	85	P	V
		15660	43.26	-10.74	54	38.96	40.3	20.57	56.57	100	85	A	V
													V
802.11ac VHT20 CH 48 5240MHz		10480	45.97	-22.23	68.2	50.64	37.4	17.15	59.22	100	0	P	H
		15720	49.89	-24.11	74	45.41	40.43	20.61	56.56	100	0	P	H
													H
													H
		10480	45.73	-22.47	68.2	50.4	37.4	17.15	59.22	100	0	P	V
		15720	51.03	-22.97	74	46.55	40.43	20.61	56.56	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		5150	58.94	-15.06	74	47.59	34.3	11.03	33.98	257	142	P	H
		5149.76	50.95	-3.05	54	39.6	34.3	11.03	33.98	257	142	A	H
	*	5190	105.69	-	-	94.27	34.3	11.1	33.98	257	142	P	H
	*	5190	98.3	-	-	86.88	34.3	11.1	33.98	257	142	A	H
		5411.84	51.31	-22.69	74	39.52	34.63	11.15	33.99	257	142	P	H
		5412.4	45.27	-8.73	54	33.48	34.63	11.15	33.99	257	142	A	H
		5147.42	53.49	-20.51	74	42.14	34.3	11.03	33.98	100	150	P	V
		5150	45.7	-8.3	54	34.35	34.3	11.03	33.98	100	150	A	V
	*	5190	101.11	-	-	89.69	34.3	11.1	33.98	100	150	P	V
	*	5190	93.75	-	-	82.33	34.3	11.1	33.98	100	150	A	V
		5392.24	49.83	-24.17	74	38.14	34.53	11.15	33.99	100	150	P	V
		5413.52	42.16	-11.84	54	30.37	34.63	11.15	33.99	100	150	A	V
802.11ac VHT40 CH 46 5230MHz		5148.46	50.42	-23.58	74	39.07	34.3	11.03	33.98	240	141	P	H
		5149.76	42.88	-11.12	54	31.53	34.3	11.03	33.98	240	141	A	H
	*	5230	106.4	-	-	94.9	34.37	11.11	33.98	240	141	P	H
	*	5230	98.6	-	-	87.1	34.37	11.11	33.98	240	141	A	H
		5453	53.27	-20.73	74	41.36	34.7	11.2	33.99	240	141	P	H
		5453.28	46.67	-7.33	54	34.76	34.7	11.2	33.99	240	141	A	H
		5010.92	50.12	-23.88	74	39.3	34.03	10.76	33.97	100	148	P	V
		5139.62	41.36	-12.64	54	30.08	34.3	10.96	33.98	100	148	A	V
	*	5230	102.35	-	-	90.85	34.37	11.11	33.98	100	148	P	V
	*	5230	94.6	-	-	83.1	34.37	11.11	33.98	100	148	A	V
		5454.4	51.17	-22.83	74	39.26	34.7	11.2	33.99	100	148	P	V
		5452.72	42.99	-11.01	54	31.08	34.7	11.2	33.99	100	148	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		10480	45.89	-22.31	68.2	50.56	37.4	17.15	59.22	100	0	P	H
		15720	49.59	-24.41	74	45.11	40.43	20.61	56.56	100	0	P	H
													H
													H
		10480	46.06	-22.14	68.2	50.73	37.4	17.15	59.22	100	0	P	V
		15720	49.96	-24.04	74	45.48	40.43	20.61	56.56	100	0	P	V
													V
													V
802.11ac VHT40 CH 46 5230MHz		10460	45.63	-22.57	68.2	50.38	37.4	17.1	59.25	100	0	P	H
		15690	49.91	-24.09	74	45.51	40.37	20.59	56.56	100	0	P	H
													H
													H
		10460	45.75	-22.45	68.2	50.5	37.4	17.1	59.25	100	0	P	V
		15690	50.01	-23.99	74	45.61	40.37	20.59	56.56	100	0	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5147.16	55.53	-18.47	74	44.18	34.3	11.03	33.98	242	140	P	H
		5150	47.11	-6.89	54	35.76	34.3	11.03	33.98	242	140	A	H
	*	5210	100.48	-	-	89.03	34.33	11.1	33.98	242	140	P	H
	*	5210	92.9	-	-	81.45	34.33	11.1	33.98	242	140	A	H
		5437.88	50.85	-23.15	74	38.97	34.67	11.2	33.99	242	140	P	H
		5382.72	42.13	-11.87	54	30.44	34.53	11.15	33.99	242	140	A	H
		5139.88	52.05	-21.95	74	40.77	34.3	10.96	33.98	100	151	P	V
		5149.24	44.47	-9.53	54	33.12	34.3	11.03	33.98	100	151	A	V
	*	5210	96.99	-	-	85.54	34.33	11.1	33.98	100	151	P	V
	*	5210	89.51	-	-	78.06	34.33	11.1	33.98	100	151	A	V
		5360.88	49.67	-24.33	74	38.04	34.47	11.14	33.98	100	151	P	V
		5421.36	41.24	-12.76	54	29.4	34.63	11.2	33.99	100	151	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	46.62	-21.58	68.2	51.45	37.4	17.05	59.28	100	0	P	H
		15630	49.96	-24.04	74	45.69	40.27	20.57	56.57	100	0	P	H
													H
													H
		10420	46.09	-22.11	68.2	50.92	37.4	17.05	59.28	100	0	P	V
		15630	50.45	-23.55	74	46.18	40.27	20.57	56.57	100	0	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5053.2	48.96	-25.04	74	38	34.1	10.83	33.97	254	140	P	H
		5145.6	40.63	-13.37	54	29.28	34.3	11.03	33.98	254	140	A	H
	*	5260	110.58	-	-	99.05	34.4	11.11	33.98	254	140	P	H
	*	5260	103.17	-	-	91.64	34.4	11.11	33.98	254	140	A	H
		5388	50.4	-23.6	74	38.71	34.53	11.15	33.99	254	140	P	H
		5352.96	41.6	-12.4	54	30.04	34.4	11.14	33.98	254	140	A	H
		5095.9	48.5	-25.5	74	37.57	34	10.9	33.97	140	119	P	V
		5147	40.19	-13.81	54	28.84	34.3	11.03	33.98	140	119	A	V
	*	5260	108.01	-	-	96.48	34.4	11.11	33.98	140	119	P	V
	*	5260	100.73	-	-	89.2	34.4	11.11	33.98	140	119	A	V
		5388.24	49.97	-24.03	74	38.28	34.53	11.15	33.99	140	119	P	V
		5427.36	40.64	-13.36	54	28.8	34.63	11.2	33.99	140	119	A	V
802.11a CH 60 5300MHz		5129.85	49.5	-24.5	74	38.32	34.2	10.96	33.98	260	141	P	H
		5129.5	40.33	-13.67	54	29.15	34.2	10.96	33.98	260	141	A	H
	*	5300	110.48	-	-	98.94	34.4	11.12	33.98	260	141	P	H
	*	5300	102.95	-	-	91.41	34.4	11.12	33.98	260	141	A	H
		5356.08	53.11	-20.89	74	41.55	34.4	11.14	33.98	260	141	P	H
		5353.2	44.54	-9.46	54	32.98	34.4	11.14	33.98	260	141	A	H
		5075.95	50.34	-23.66	74	39.38	34.03	10.9	33.97	100	141	P	V
		5141.75	40.11	-13.89	54	28.76	34.3	11.03	33.98	100	141	A	V
	*	5300	106.29	-	-	94.75	34.4	11.12	33.98	100	141	P	V
	*	5300	98.83	-	-	87.29	34.4	11.12	33.98	100	141	A	V
		5385.12	50.9	-23.1	74	39.21	34.53	11.15	33.99	100	141	P	V
		5350.08	42.09	-11.91	54	30.53	34.4	11.14	33.98	100	141	A	V



802.11a CH 64 5320MHz	*	5320	110.13	-	-	98.58	34.4	11.13	33.98	258	140	P	H
	*	5320	91.18	-	-	79.63	34.4	11.13	33.98	258	140	A	H
		5355.52	55.11	-18.89	74	43.55	34.4	11.14	33.98	258	140	P	H
		5350.56	43.57	-10.43	54	32.01	34.4	11.14	33.98	258	140	A	H
													H
													H
	*	5320	105.96	-	-	94.41	34.4	11.13	33.98	100	170	P	V
	*	5320	98.6	-	-	87.05	34.4	11.13	33.98	100	170	A	V
		5356.32	51.13	-22.87	74	39.57	34.4	11.14	33.98	100	170	P	V
		5352.32	41.43	-12.57	54	29.87	34.4	11.14	33.98	100	170	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.47	-21.73	68.2	51.03	37.42	17.2	59.18	100	0	P	H
		15780	51.14	-22.86	74	46.53	40.53	20.62	56.54	100	0	P	H
													H
													H
		10520	47.29	-20.91	68.2	51.85	37.42	17.2	59.18	100	0	P	V
		15780	51.31	-22.69	74	46.7	40.53	20.62	56.54	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.44	-26.56	74	51.69	37.5	17.31	59.06	100	0	P	H
		15900	50.23	-23.77	74	45.37	40.7	20.68	56.52	100	0	P	H
													H
													H
		10600	46.97	-27.03	74	51.22	37.5	17.31	59.06	100	0	P	V
		15900	50.06	-23.94	74	45.2	40.7	20.68	56.52	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.93	-26.07	74	52.05	37.53	17.36	59.01	100	0	P	H
		15960	51.78	-22.22	74	46.88	40.7	20.71	56.51	100	0	P	H
													H
													H
		10641	47.82	-26.18	74	51.94	37.53	17.36	59.01	100	0	P	V
		15965	51.74	-22.26	74	46.84	40.7	20.71	56.51	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 52 5260MHz		5052.85	48.46	-25.54	74	37.5	34.1	10.83	33.97	267	140	P	H
		5138.25	40.33	-13.67	54	29.15	34.2	10.96	33.98	267	140	A	H
	*	5260	109.58	-	-	98.05	34.4	11.11	33.98	267	140	P	H
	*	5260	101.79	-	-	90.26	34.4	11.11	33.98	267	140	A	H
		5351.04	50.58	-23.42	74	39.02	34.4	11.14	33.98	267	140	P	H
		5351.04	41.83	-12.17	54	30.27	34.4	11.14	33.98	267	140	A	H
		5017.85	48.88	-25.12	74	38.06	34.03	10.76	33.97	247	296	P	V
		5149.1	39.98	-14.02	54	28.63	34.3	11.03	33.98	247	296	A	V
	*	5260	107.98	-	-	96.45	34.4	11.11	33.98	247	296	P	V
	*	5260	100.34	-	-	88.81	34.4	11.11	33.98	247	296	A	V
		5410.56	50.95	-23.05	74	39.19	34.6	11.15	33.99	247	296	P	V
		5410.32	40.75	-13.25	54	28.99	34.6	11.15	33.99	247	296	A	V
802.11ac VHT20 CH 60 5300MHz		5113.75	48.81	-25.19	74	37.72	34.1	10.96	33.97	260	140	P	H
		5141.05	40.13	-13.87	54	28.78	34.3	11.03	33.98	260	140	A	H
	*	5300	110.35	-	-	98.81	34.4	11.12	33.98	260	140	P	H
	*	5300	101.85	-	-	90.31	34.4	11.12	33.98	260	140	A	H
		5351.52	51.93	-22.07	74	40.37	34.4	11.14	33.98	260	140	P	H
		5351.76	43.94	-10.06	54	32.38	34.4	11.14	33.98	260	140	A	H
		5077.7	49.27	-24.73	74	38.31	34.03	10.9	33.97	290	296	P	V
		5141.75	40.1	-13.9	54	28.75	34.3	11.03	33.98	290	296	A	V
	*	5300	108.15	-	-	96.61	34.4	11.12	33.98	290	296	P	V
	*	5300	99.72	-	-	88.18	34.4	11.12	33.98	290	296	A	V
		5357.28	50.01	-23.99	74	38.45	34.4	11.14	33.98	290	296	P	V
		5350.08	41.41	-12.59	54	29.85	34.4	11.14	33.98	290	296	A	V



802.11ac VHT20 CH 64 5320MHz	*	5320	110.49	-	-	98.94	34.4	11.13	33.98	262	140	P	H
	*	5320	102.13	-	-	90.58	34.4	11.13	33.98	262	140	A	H
		5357.44	52.49	-21.51	74	40.93	34.4	11.14	33.98	262	140	P	H
		5356.64	44.45	-9.55	54	32.89	34.4	11.14	33.98	262	140	A	H
													H
													H
	*	5320	108.1	-	-	96.55	34.4	11.13	33.98	271	289	P	V
	*	5320	100.13	-	-	88.58	34.4	11.13	33.98	271	289	A	V
		5363.52	50.73	-23.27	74	39.1	34.47	11.14	33.98	271	289	P	V
		5355.68	42.04	-11.96	54	30.48	34.4	11.14	33.98	271	289	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 52 5260MHz		10520	46.75	-21.45	68.2	51.31	37.42	17.2	59.18	100	0	P	H
		15780	50.45	-23.55	74	45.84	40.53	20.62	56.54	100	0	P	H
													H
													H
		10520	46.68	-21.52	68.2	51.24	37.42	17.2	59.18	100	0	P	V
		15780	51.24	-22.76	74	46.63	40.53	20.62	56.54	100	0	P	V
													V
													V
802.11ac VHT20 CH 60 5300MHz		10600	47.07	-26.93	74	51.32	37.5	17.31	59.06	100	0	P	H
		15900	49.89	-24.11	74	45.03	40.7	20.68	56.52	100	0	P	H
													H
													H
		10600	47.33	-26.67	74	51.58	37.5	17.31	59.06	100	0	P	V
		15900	50.27	-23.73	74	45.41	40.7	20.68	56.52	100	0	P	V
													V
													V
802.11ac VHT20 CH 64 5320MHz		10640	48.25	-25.75	74	52.37	37.53	17.36	59.01	100	0	P	H
		15960	51.78	-22.22	74	46.88	40.7	20.71	56.51	100	0	P	H
													H
													H
		10640	47.96	-26.04	74	52.08	37.53	17.36	59.01	100	0	P	V
		15960	51.91	-22.09	74	47.01	40.7	20.71	56.51	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 54 5270MHz		5022.05	49.76	-24.24	74	38.83	34.07	10.83	33.97	249	142	P	H
		5145.6	40.83	-13.17	54	29.48	34.3	11.03	33.98	249	142	A	H
	*	5270	105.83	-	-	94.29	34.4	11.12	33.98	249	142	P	H
	*	5270	98.31	-	-	86.77	34.4	11.12	33.98	249	142	A	H
		5351.52	52.08	-21.92	74	40.52	34.4	11.14	33.98	249	142	P	H
		5350.56	43.25	-10.75	54	31.69	34.4	11.14	33.98	249	142	A	H
		5117.6	49.13	-24.87	74	38.04	34.1	10.96	33.97	100	171	P	V
		5150	40.68	-13.32	54	29.33	34.3	11.03	33.98	100	171	A	V
	*	5270	102.99	-	-	91.45	34.4	11.12	33.98	100	171	P	V
	*	5270	95.25	-	-	83.71	34.4	11.12	33.98	100	171	A	V
		5409.12	50.67	-23.33	74	38.91	34.6	11.15	33.99	100	171	P	V
		5352	41.46	-12.54	54	29.9	34.4	11.14	33.98	100	171	A	V
802.11ac VHT40 CH 62 5310MHz		5101.85	49.51	-24.49	74	38.52	34	10.96	33.97	261	140	P	H
		5138.25	40.93	-13.07	54	29.75	34.2	10.96	33.98	261	140	A	H
	*	5310	105.57	-	-	94.02	34.4	11.13	33.98	261	140	P	H
	*	5310	97.75	-	-	86.2	34.4	11.13	33.98	261	140	A	H
		5350.32	57.87	-16.13	74	46.31	34.4	11.14	33.98	261	140	P	H
		5350.32	50.67	-3.33	54	39.11	34.4	11.14	33.98	261	140	A	H
		5085.75	48.72	-25.28	74	37.76	34.03	10.9	33.97	100	171	P	V
		5136.15	40.56	-13.44	54	29.38	34.2	10.96	33.98	100	171	A	V
	*	5310	103.01	-	-	91.46	34.4	11.13	33.98	100	171	P	V
	*	5310	95.4	-	-	83.85	34.4	11.13	33.98	100	171	A	V
		5350.56	54.06	-19.94	74	42.5	34.4	11.14	33.98	100	171	P	V
		5350.32	47.38	-6.62	54	35.82	34.4	11.14	33.98	100	171	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 54 5270MHz		10540	47.43	-20.77	68.2	51.95	37.43	17.2	59.15	100	0	P	H
		15810	51.08	-22.92	74	46.38	40.6	20.64	56.54	100	0	P	H
													H
													H
		10540	47.13	-21.07	68.2	51.65	37.43	17.2	59.15	100	0	P	V
		15810	51.33	-22.67	74	46.63	40.6	20.64	56.54	100	0	P	V
													V
													V
802.11ac VHT40 CH 62 5310MHz		10620	47.63	-26.37	74	51.83	37.52	17.31	59.03	100	0	P	H
		15930	51.08	-22.92	74	46.19	40.7	20.7	56.51	100	0	P	H
													H
													H
		10620	48.07	-25.93	74	52.27	37.52	17.31	59.03	100	0	P	V
		15930	51.19	-22.81	74	46.3	40.7	20.7	56.51	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5141.05	49.33	-24.67	74	37.98	34.3	11.03	33.98	266	142	P	H
		5141.05	40.78	-13.22	54	29.43	34.3	11.03	33.98	266	142	A	H
	*	5290	100.6	-	-	89.06	34.4	11.12	33.98	266	142	P	H
	*	5290	92.74	-	-	81.2	34.4	11.12	33.98	266	142	A	H
		5363.04	55.56	-18.44	74	43.93	34.47	11.14	33.98	266	142	P	H
		5350.08	48.87	-5.13	54	37.31	34.4	11.14	33.98	266	142	A	H
		5122.85	48.9	-25.1	74	37.72	34.2	10.96	33.98	100	158	P	V
		5092.4	41.35	-12.65	54	30.42	34	10.9	33.97	100	158	A	V
	*	5290	98.48	-	-	86.94	34.4	11.12	33.98	100	158	P	V
	*	5290	90.98	-	-	79.44	34.4	11.12	33.98	100	158	A	V
		5354.64	53.49	-20.51	74	41.93	34.4	11.14	33.98	100	158	P	V
		5350.08	45.66	-8.34	54	34.1	34.4	11.14	33.98	100	158	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	47.24	-20.96	68.2	51.58	37.48	17.26	59.08	100	0	P	H
		15870	50.2	-23.8	74	45.36	40.68	20.68	56.52	100	0	P	H
													H
													H
		10580	47.44	-20.76	68.2	51.78	37.48	17.26	59.08	100	0	P	V
		15870	49.95	-24.05	74	45.11	40.68	20.68	56.52	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5454.8	52.46	-21.54	74	40.55	34.7	11.2	33.99	258	142	P	H
		5468.4	55.45	-12.75	68.2	43.42	34.77	11.25	33.99	258	142	P	H
		5453.84	44.36	-9.64	54	32.45	34.7	11.2	33.99	258	142	A	H
	*	5500	110.2	-	-	98.04	34.9	11.25	33.99	258	142	P	H
	*	5500	102.83	-	-	90.67	34.9	11.25	33.99	258	142	A	H
													H
		5450.64	51.25	-22.75	74	39.34	34.7	11.2	33.99	109	299	P	V
		5468.88	50.78	-17.42	68.2	38.75	34.77	11.25	33.99	109	299	P	V
		5452.88	42.04	-11.96	54	30.13	34.7	11.2	33.99	109	299	A	V
	*	5500	106.67	-	-	94.51	34.9	11.25	33.99	109	299	P	V
	*	5500	99.53	-	-	87.37	34.9	11.25	33.99	109	299	A	V
													V
802.11a CH 116 5580MHz		5355.04	49.74	-24.26	74	38.18	34.4	11.14	33.98	256	144	P	H
		5467.84	50.88	-17.32	68.2	38.85	34.77	11.25	33.99	256	144	P	H
		5456.56	41.2	-12.8	54	29.29	34.7	11.2	33.99	256	144	A	H
	*	5580	109.31	-	-	97.21	34.73	11.35	33.98	256	144	P	H
	*	5580	101.7	-	-	89.6	34.73	11.35	33.98	256	144	A	H
		5759.96	51.34	-16.86	68.2	38.95	34.83	11.53	33.97	256	144	P	H
		5360.8	49.88	-24.12	74	38.25	34.47	11.14	33.98	100	147	P	V
		5468.8	49.48	-18.72	68.2	37.45	34.77	11.25	33.99	100	147	P	V
		5435.68	40.83	-13.17	54	28.95	34.67	11.2	33.99	100	147	A	V
	*	5580	106.03	-	-	93.93	34.73	11.35	33.98	100	147	P	V
	*	5580	98.84	-	-	86.74	34.73	11.35	33.98	100	147	A	V
		5763.74	50.45	-17.75	68.2	38.06	34.83	11.53	33.97	100	147	P	V



802.11a CH 140 5700MHz	*	5700	109.2	-	-	96.82	34.9	11.46	33.98	237	142	P	H
	*	5700	101.03	-	-	88.65	34.9	11.46	33.98	237	142	A	H
		5726.92	56.3	-11.9	68.2	43.95	34.83	11.5	33.98	237	142	P	H
													H
													H
													H
	*	5700	104.23	-	-	91.85	34.9	11.46	33.98	100	151	P	V
	*	5700	96.67	-	-	84.29	34.9	11.46	33.98	100	151	A	V
		5725.08	53.81	-14.39	68.2	41.46	34.83	11.5	33.98	100	151	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.27	-26.73	74	50.16	37.8	17.81	58.5	100	0	P	H
		16500	53.24	-14.96	68.2	46.39	41.9	21.15	56.2	100	0	P	H
													H
													H
		11000	47.92	-26.08	74	50.81	37.8	17.81	58.5	100	0	P	V
		16500	52.09	-16.11	68.2	45.24	41.9	21.15	56.2	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.18	-25.82	74	50.36	37.9	18.02	58.1	100	0	P	H
		16740	53.59	-14.61	68.2	45.92	42.32	21.36	56.01	100	0	P	H
													H
													H
		11160	48.28	-25.72	74	50.46	37.9	18.02	58.1	100	0	P	V
		16740	53.67	-14.53	68.2	46	42.32	21.36	56.01	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.92	-25.08	74	50.23	37.9	18.33	57.54	100	0	P	H
		17100	52.24	-15.96	68.2	44.75	41.6	21.67	55.78	100	0	P	H
													H
													H
		11400	48.11	-25.89	74	49.42	37.9	18.33	57.54	100	0	P	V
		17100	51.66	-16.54	68.2	44.17	41.6	21.67	55.78	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 100 5500MHz		5455.76	51.7	-22.3	74	39.79	34.7	11.2	33.99	253	145	P	H
		5469.52	55.25	-12.95	68.2	43.22	34.77	11.25	33.99	253	145	P	H
		5460	43.85	-10.15	54	31.94	34.7	11.2	33.99	253	145	A	H
	*	5500	109.1	-	-	96.94	34.9	11.25	33.99	253	145	P	H
	*	5500	101.52	-	-	89.36	34.9	11.25	33.99	253	145	A	H
													H
		5454.48	50.87	-23.13	74	38.96	34.7	11.2	33.99	109	133	P	V
		5468.72	51.91	-16.29	68.2	39.88	34.77	11.25	33.99	109	133	P	V
		5459.44	42.29	-11.71	54	30.38	34.7	11.2	33.99	109	133	A	V
	*	5500	106.05	-	-	93.89	34.9	11.25	33.99	109	133	P	V
	*	5500	98.55	-	-	86.39	34.9	11.25	33.99	109	133	A	V
													V
802.11ac VHT20 CH 116 5580MHz		5440.72	50.42	-23.58	74	38.54	34.67	11.2	33.99	237	134	P	H
		5467.36	49.45	-18.75	68.2	37.42	34.77	11.25	33.99	237	134	P	H
		5439.52	41.15	-12.85	54	29.27	34.67	11.2	33.99	237	134	A	H
	*	5580	108.65	-	-	96.55	34.73	11.35	33.98	237	134	P	H
	*	5580	101	-	-	88.9	34.73	11.35	33.98	237	134	A	H
		5736.65	50.6	-17.6	68.2	38.27	34.8	11.5	33.97	237	134	P	H
		5459.44	50.71	-23.29	74	38.8	34.7	11.2	33.99	107	133	P	V
		5467.12	49.96	-18.24	68.2	37.93	34.77	11.25	33.99	107	133	P	V
		5449.12	40.71	-13.29	54	28.8	34.7	11.2	33.99	107	133	A	V
	*	5580	104.62	-	-	92.52	34.73	11.35	33.98	107	133	P	V
	*	5580	97.17	-	-	85.07	34.73	11.35	33.98	107	133	A	V
		5730.665	50.93	-17.27	68.2	38.57	34.83	11.5	33.97	107	133	P	V



802.11ac VHT20 CH 140 5700MHz	*	5700	108.32	-	-	95.94	34.9	11.46	33.98	223	137	P	H
	*	5700	100.46	-	-	88.08	34.9	11.46	33.98	223	137	A	H
		5725.24	57.55	-10.65	68.2	45.2	34.83	11.5	33.98	223	137	P	H
													H
													H
													H
	*	5700	103.57	-	-	91.19	34.9	11.46	33.98	100	138	P	V
	*	5700	95.7	-	-	83.32	34.9	11.46	33.98	100	138	A	V
		5725.24	55.82	-12.38	68.2	43.47	34.83	11.5	33.98	100	138	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 100 5500MHz		11000	47.76	-26.24	74	50.65	37.8	17.81	58.5	100	0	P	H
		16500	51.78	-16.42	68.2	44.93	41.9	21.15	56.2	100	0	P	H
													H
													H
		11000	47.38	-26.62	74	50.27	37.8	17.81	58.5	100	0	P	V
		16500	52.98	-15.22	68.2	46.13	41.9	21.15	56.2	100	0	P	V
													V
													V
802.11ac VHT20 CH 116 5580MHz		11160	49.37	-24.63	74	51.55	37.9	18.02	58.1	100	0	P	H
		16740	53.38	-14.82	68.2	45.71	42.32	21.36	56.01	100	0	P	H
													H
													H
		11160	48.09	-25.91	74	50.27	37.9	18.02	58.1	100	0	P	V
		16740	53.28	-14.92	68.2	45.61	42.32	21.36	56.01	100	0	P	V
													V
													V
802.11ac VHT20 CH 140 5700MHz		11400	48.65	-25.35	74	49.96	37.9	18.33	57.54	100	0	P	H
		17100	52.78	-15.42	68.2	45.29	41.6	21.67	55.78	100	0	P	H
													H
													H
		11400	48.94	-25.06	74	50.25	37.9	18.33	57.54	100	0	P	V
		17100	52.71	-15.49	68.2	45.22	41.6	21.67	55.78	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 102 5510MHz		5458	54.57	-19.43	74	42.66	34.7	11.2	33.99	242	142	P	H
		5468.32	59.78	-8.42	68.2	47.75	34.77	11.25	33.99	242	142	P	H
		5459.68	46.6	-7.4	54	34.69	34.7	11.2	33.99	242	142	A	H
	*	5510	105.71	-	-	93.5	34.9	11.3	33.99	242	142	P	H
	*	5510	97.85	-	-	85.64	34.9	11.3	33.99	242	142	A	H
		5732.555	51.71	-16.49	68.2	39.35	34.83	11.5	33.97	242	142	P	H
		5452.24	51.43	-22.57	74	39.52	34.7	11.2	33.99	100	141	P	V
		5470	57.05	-11.15	68.2	45.02	34.77	11.25	33.99	100	141	P	V
		5457.28	44.9	-9.1	54	32.99	34.7	11.2	33.99	100	141	A	V
	*	5510	101.86	-	-	89.65	34.9	11.3	33.99	100	141	P	V
	*	5510	94.16	-	-	81.95	34.9	11.3	33.99	100	141	A	V
		5728.46	52.07	-16.13	68.2	39.72	34.83	11.5	33.98	100	141	P	V
802.11ac VHT40 CH 110 5550MHz		5431.84	50.26	-23.74	74	38.38	34.67	11.2	33.99	231	136	P	H
		5470	51.75	-16.45	68.2	39.72	34.77	11.25	33.99	231	136	P	H
		5459.44	42.64	-11.36	54	30.73	34.7	11.2	33.99	231	136	A	H
	*	5550	105.3	-	-	93.24	34.7	11.35	33.99	231	136	P	H
	*	5550	97.94	-	-	85.88	34.7	11.35	33.99	231	136	A	H
		5736.65	50.41	-17.79	68.2	38.08	34.8	11.5	33.97	231	136	P	H
		5447.2	50.24	-23.76	74	38.33	34.7	11.2	33.99	100	141	P	V
		5460.4	49.8	-18.4	68.2	37.84	34.7	11.25	33.99	100	141	P	V
		5453.2	41.89	-12.11	54	29.98	34.7	11.2	33.99	100	141	A	V
	*	5550	101.94	-	-	89.88	34.7	11.35	33.99	100	141	P	V
	*	5550	93.02	-	-	80.96	34.7	11.35	33.99	100	141	A	V
		5765	50.52	-17.68	68.2	38.13	34.83	11.53	33.97	100	141	P	V



802.11ac VHT40 CH 134 5670MHz		5394.45	49.79	-24.21	74	38.1	34.53	11.15	33.99	236	137	P	H
		5464.1	49.5	-18.7	68.2	37.47	34.77	11.25	33.99	236	137	P	H
		5445.9	42.26	-11.74	54	30.35	34.7	11.2	33.99	236	137	A	H
	*	5670	105.16	-	-	92.93	34.75	11.46	33.98	236	137	P	H
	*	5670	97.15	-	-	84.92	34.75	11.46	33.98	236	137	A	H
		5730	52.13	-16.07	68.2	39.78	34.83	11.5	33.98	236	137	P	H
		5458.15	49.72	-24.28	74	37.81	34.7	11.2	33.99	101	144	P	V
		5466.9	49.27	-18.93	68.2	37.24	34.77	11.25	33.99	101	144	P	V
		5446.95	41.77	-12.23	54	29.86	34.7	11.2	33.99	101	144	A	V
	*	5670	101.37	-	-	89.14	34.75	11.46	33.98	101	144	P	V
	*	5670	93.76	-	-	81.53	34.75	11.46	33.98	101	144	A	V
		5732.8	51.14	-17.06	68.2	38.78	34.83	11.5	33.97	101	144	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 102 5510MHz		11020	47.92	-26.08	74	50.75	37.82	17.81	58.46	100	0	P	H
		16530	53.48	-14.72	68.2	46.6	41.87	21.18	56.17	100	0	P	H
													H
													H
		11020	48.13	-25.87	74	50.96	37.82	17.81	58.46	100	0	P	V
		16530	52.69	-15.51	68.2	45.81	41.87	21.18	56.17	100	0	P	V
													V
													V
802.11ac VHT40 CH 110 5550MHz		11100	48.03	-25.97	74	50.47	37.9	17.92	58.26	100	0	P	H
		16650	53.28	-14.92	68.2	46.08	42	21.28	56.08	100	0	P	H
													H
													H
		11100	48.25	-25.75	74	50.69	37.9	17.92	58.26	100	0	P	V
		16650	52.56	-15.64	68.2	45.36	42	21.28	56.08	100	0	P	V
													V
													V
802.11ac VHT40 CH 134 5670MHz		11340	49.08	-24.92	74	50.65	37.9	18.23	57.7	100	0	P	H
		17010	52.49	-15.71	68.2	44.76	41.93	21.6	55.8	100	0	P	H
													H
													H
		11340	48.83	-25.17	74	50.4	37.9	18.23	57.7	100	0	P	V
		17010	53.66	-14.54	68.2	45.93	41.93	21.6	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5450.8	57.71	-16.29	74	45.8	34.7	11.2	33.99	236	142	P	H
		5465.2	59.78	-8.42	68.2	47.75	34.77	11.25	33.99	236	142	P	H
		5459.92	49.84	-4.16	54	37.93	34.7	11.2	33.99	236	142	A	H
	*	5530	100.05	-	-	87.91	34.83	11.3	33.99	236	142	P	H
	*	5530	92.81	-	-	80.67	34.83	11.3	33.99	236	142	A	H
		5738.54	51.89	-16.31	68.2	39.56	34.8	11.5	33.97	236	142	P	H
		5458	53.84	-20.16	74	41.93	34.7	11.2	33.99	100	140	P	V
		5466.88	54.85	-13.35	68.2	42.82	34.77	11.25	33.99	100	140	P	V
		5459.92	46.25	-7.75	54	34.34	34.7	11.2	33.99	100	140	A	V
	*	5530	97.65	-	-	85.51	34.83	11.3	33.99	100	140	P	V
	*	5530	89.78	-	-	77.64	34.83	11.3	33.99	100	140	A	V
		5730.665	51.04	-17.16	68.2	38.68	34.83	11.5	33.97	100	140	P	V
802.11ac VHT80 CH 122 5610MHz		5390.95	48.92	-25.08	74	37.23	34.53	11.15	33.99	221	136	P	H
		5469	48.76	-19.44	68.2	36.73	34.77	11.25	33.99	221	136	P	H
		5452.2	42.61	-11.39	54	30.7	34.7	11.2	33.99	221	136	A	H
	*	5610	99.51	-	-	87.29	34.8	11.4	33.98	221	136	P	H
	*	5610	92.28	-	-	80.06	34.8	11.4	33.98	221	136	A	H
		5729.825	51.46	-16.74	68.2	39.11	34.83	11.5	33.98	221	136	P	H
		5403.2	49.82	-24.18	74	38.06	34.6	11.15	33.99	100	147	P	V
		5463.75	49.39	-18.81	68.2	37.36	34.77	11.25	33.99	100	147	P	V
		5450.8	41.4	-12.6	54	29.49	34.7	11.2	33.99	100	147	A	V
	*	5610	96.91	-	-	84.69	34.8	11.4	33.98	100	147	P	V
	*	5610	89.39	-	-	77.17	34.8	11.4	33.98	100	147	A	V
		5728.075	50.9	-17.3	68.2	38.55	34.83	11.5	33.98	100	147	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	47.18	-26.82	74	49.78	37.87	17.87	58.34	100	0	P	H
		16590	54	-14.2	68.2	47.06	41.82	21.25	56.13	100	0	P	H
													H
													H
		11060	47.95	-26.05	74	50.55	37.87	17.87	58.34	100	0	P	V
		16590	53.58	-14.62	68.2	46.64	41.82	21.25	56.13	100	0	P	V
													V
													V
802.11ac VHT80 CH 122 5610MHz		11220	48.82	-25.18	74	50.83	37.9	18.07	57.98	100	0	P	H
		16830	52.48	-15.72	68.2	44.57	42.4	21.45	55.94	100	0	P	H
													H
													H
		11220	49.52	-24.48	74	51.53	37.9	18.07	57.98	100	0	P	V
		16830	51.87	-16.33	68.2	43.96	42.4	21.45	55.94	100	0	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT40 (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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		30	23.28	-16.72	40	27.54	24.6	1.32	30.18			P	H
		96.96	27.89	-15.61	43.5	40.78	15.45	1.74	30.08			P	H
		161.49	25.61	-17.89	43.5	37	16.36	2.26	30.01			P	H
		853	32.87	-13.13	46	28.37	28.83	4.77	29.1			P	H
		951	33.92	-12.08	46	27	30.39	5.08	28.55	100	0	P	H
		971.3	34.84	-19.16	54	27.31	30.86	5.09	28.42			P	H
													H
													H
													H
													H
													H
													H
													H
		30	33.87	-6.13	40	38.13	24.6	1.32	30.18			P	V
		35.4	33.98	-6.02	40	41.32	21.51	1.32	30.17	100	0	P	V
		38.64	32.68	-7.32	40	41.64	19.88	1.33	30.17			P	V
		943.3	33.4	-12.6	46	26.89	30.03	5.08	28.6			P	V
		960.8	34.17	-19.83	54	26.68	30.9	5.08	28.49			P	V
		973.4	35.76	-18.24	54	28.23	30.84	5.09	28.4			P	V
		30	33.87	-6.13	40	38.13	24.6	1.32	30.18			P	V
												V	
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 36 5180MHz		5147.16	53.38	-20.62	74	42.84	34.3	11.29	35.05	100	24	P	H
		5149.76	42.24	-11.76	54	31.7	34.3	11.29	35.05	100	24	A	H
	*	5180	105.77	-	-	95.23	34.3	11.29	35.05	100	24	P	H
	*	5180	100.34	-	-	89.8	34.3	11.29	35.05	100	24	A	H
													H
													H
		5147.16	52.12	-21.88	74	41.58	34.3	11.29	35.05	100	98	P	V
		5149.76	41.48	-12.52	54	30.94	34.3	11.29	35.05	100	98	A	V
	*	5180	104.45	-	-	93.91	34.3	11.29	35.05	100	98	P	V
	*	5180	97.85	-	-	87.31	34.3	11.29	35.05	100	98	A	V
802.11ac VHT20 CH 44 5220MHz		5138.32	49.03	-24.97	74	38.64	34.2	11.24	35.05	100	17	P	H
		5145.6	40.33	-13.67	54	29.79	34.3	11.29	35.05	100	17	A	H
	*	5220	105.8	-	-	95.18	34.33	11.34	35.05	100	17	P	H
	*	5220	99.3	-	-	88.68	34.33	11.34	35.05	100	17	A	H
		5375.72	49.55	-24.45	74	38.65	34.47	11.49	35.06	100	17	P	H
		5452.72	41.04	-12.96	54	29.84	34.7	11.56	35.06	100	17	P	H
		5076.18	49.38	-24.62	74	39.21	34.03	11.18	35.04	100	91	P	V
		5141.44	40.2	-13.8	54	29.66	34.3	11.29	35.05	100	91	A	V
	*	5220	104.81	-	-	94.19	34.33	11.34	35.05	100	91	P	V
	*	5220	96.94	-	-	86.32	34.33	11.34	35.05	100	91	A	V
		5451.6	49.48	-24.52	74	38.28	34.7	11.56	35.06	100	91	P	V
		5452.72	41.1	-12.9	54	29.9	34.7	11.56	35.06	100	91	A	V



802.11ac VHT20 CH 48 5240MHz		5013.52	50.02	-23.98	74	39.95	34.03	11.08	35.04	100	37	P	H
		5145.6	40.08	-13.92	54	29.54	34.3	11.29	35.05	100	37	A	H
	*	5240	106.86	-	-	96.16	34.37	11.38	35.05	100	37	P	H
	*	5240	99	-	-	88.3	34.37	11.38	35.05	100	37	A	H
		5454.96	49.36	-24.64	74	38.16	34.7	11.56	35.06	100	37	P	H
		5452.72	41.5	-12.5	54	30.3	34.7	11.56	35.06	100	37	A	H
		5143.52	49.62	-24.38	74	39.08	34.3	11.29	35.05	100	95	P	V
		5145.34	40.37	-13.63	54	29.83	34.3	11.29	35.05	100	95	A	V
	*	5240	104.77	-	-	94.07	34.37	11.38	35.05	100	95	P	V
	*	5240	96.97	-	-	86.27	34.37	11.38	35.05	100	95	A	V
		5392.8	49.03	-24.97	74	38.03	34.53	11.53	35.06	100	95	P	V
		5453	41.15	-12.85	54	29.95	34.7	11.56	35.06	100	95	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 36 5180MHz		10360	47.92	-20.28	68.2	52.5	37.33	17.42	59.33	100	0	P	H
		15540	50.76	-23.24	74	46.76	40.27	20.32	56.59	100	0	P	H
													H
													H
		10360	47.58	-20.62	68.2	52.16	37.33	17.42	59.33	100	0	P	V
		15540	52.79	-21.21	74	48.79	40.27	20.32	56.59	100	232	P	V
		15540	44.11	-9.89	54	40.11	40.27	20.32	56.59	100	232	A	V
													V
802.11ac VHT20 CH 44 5220MHz		10440	48.14	-20.06	68.2	52.56	37.4	17.45	59.27	100	0	P	H
		15660	49.98	-24.02	74	45.86	40.3	20.39	56.57	100	0	P	H
													H
													H
		10440	48.42	-19.78	68.2	52.84	37.4	17.45	59.27	100	0	P	V
		15660	49.93	-24.07	74	45.81	40.3	20.39	56.57	100	0	P	V
													V
													V
802.11ac VHT20 CH 48 5240MHz		10480	47.25	-20.95	68.2	51.61	37.4	17.46	59.22	100	0	P	H
		15720	49.91	-24.09	74	45.62	40.43	20.42	56.56	100	0	P	H
													H
													H
		10480	47	-21.2	68.2	51.36	37.4	17.46	59.22	100	0	P	V
		15720	49.83	-24.17	74	45.54	40.43	20.42	56.56	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		5150	65.86	-8.14	74	55.32	34.3	11.29	35.05	100	66	P	H
		5148.98	50.83	-3.17	54	40.29	34.3	11.29	35.05	100	66	P	H
	*	5190	104.6	-	-	94.01	34.3	11.34	35.05	100	66	P	H
	*	5190	98.04	-	-	87.45	34.3	11.34	35.05	100	66	A	H
		5411.56	50.91	-23.09	74	39.81	34.63	11.53	35.06	100	66	P	H
		5411.28	43.21	-10.79	54	32.14	34.6	11.53	35.06	100	66	A	H
		5148.72	66.4	-7.6	74	55.86	34.3	11.29	35.05	100	80	P	V
		5150	50.3	-3.7	54	39.76	34.3	11.29	35.05	100	80	A	V
	*	5190	104.39	-	-	93.8	34.3	11.34	35.05	100	80	P	V
	*	5190	97.77	-	-	87.18	34.3	11.34	35.05	100	80	A	V
		5414.92	52.01	-21.99	74	40.91	34.63	11.53	35.06	100	80	P	V
		5413.24	45.71	-8.29	54	34.61	34.63	11.53	35.06	100	80	A	V
802.11ac VHT40 CH 46 5230MHz		5127.92	49.76	-24.24	74	39.37	34.2	11.24	35.05	100	66	P	H
		5145.6	41.62	-12.38	54	31.08	34.3	11.29	35.05	100	66	A	H
	*	5230	106.61	-	-	95.91	34.37	11.38	35.05	100	66	P	H
	*	5230	100.05	-	-	89.35	34.37	11.38	35.05	100	66	A	H
		5454.12	52.69	-21.31	74	41.49	34.7	11.56	35.06	100	66	P	H
		5454.96	45.83	-8.17	54	34.63	34.7	11.56	35.06	100	66	A	H
		5132.86	50.02	-23.98	74	39.63	34.2	11.24	35.05	100	69	P	V
		5150	40.42	-13.58	54	29.88	34.3	11.29	35.05	100	69	A	V
	*	5230	104.55	-	-	93.85	34.37	11.38	35.05	100	69	P	V
	*	5230	97.3	-	-	86.6	34.37	11.38	35.05	100	69	A	V
		5452.72	52.86	-21.14	74	41.66	34.7	11.56	35.06	100	69	P	V
		5456.92	44.47	-9.53	54	33.27	34.7	11.56	35.06	100	69	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		10380	47.6	-20.6	68.2	52.13	37.37	17.42	59.32	100	0	P	H
		15570	49.38	-24.62	74	45.39	40.23	20.35	56.59	100	0	P	H
													H
													H
		10380	47.85	-20.35	68.2	52.38	37.37	17.42	59.32	100	0	P	V
		15570	49.77	-24.23	74	45.78	40.23	20.35	56.59	100	0	P	V
													V
													V
802.11ac VHT40 CH 46 5230MHz		10460	47.75	-20.45	68.2	52.15	37.4	17.45	59.25	100	0	P	H
		15690	49.75	-24.25	74	45.54	40.37	20.4	56.56	100	0	P	H
													H
													H
		10460	47.71	-20.49	68.2	52.11	37.4	17.45	59.25	100	0	P	V
		15690	49.85	-24.15	74	45.64	40.37	20.4	56.56	100	0	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5150	59.86	-14.14	74	49.32	34.3	11.29	35.05	100	148	P	H
		5149.76	50.07	-3.93	54	39.53	34.3	11.29	35.05	100	148	A	H
	*	5210	104.76	-	-	94.14	34.33	11.34	35.05	100	148	P	H
	*	5210	97.62	-	-	87	34.33	11.34	35.05	100	148	A	H
		5446.84	52.24	-21.76	74	41.04	34.7	11.56	35.06	100	148	P	H
		5452.72	43.45	-10.55	54	32.25	34.7	11.56	35.06	100	148	A	H
		5144.82	54.68	-19.32	74	44.14	34.3	11.29	35.05	100	75	P	V
		5144.04	46.65	-7.35	54	36.11	34.3	11.29	35.05	100	75	A	V
	*	5210	102.65	-	-	92.03	34.33	11.34	35.05	100	75	P	V
	*	5210	95.6	-	-	84.98	34.33	11.34	35.05	100	75	A	V
		5391.68	50.31	-23.69	74	39.31	34.53	11.53	35.06	100	75	P	V
		5452.72	40.75	-13.25	54	29.55	34.7	11.56	35.06	100	75	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	46.41	-21.79	68.2	50.86	37.4	17.43	59.28	100	0	P	H
		15630	49.47	-24.53	74	45.38	40.27	20.39	56.57	100	0	P	H
													H
													H
		10420	46.59	-21.61	68.2	51.04	37.4	17.43	59.28	100	0	P	V
		15630	49.9	-24.1	74	45.81	40.27	20.39	56.57	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz
WIFI 802.11ac VHT40 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 LF		63.48	33.01	-6.99	40	49.59	11.84	1.71	30.13	100	0	P	H
		67.53	32.51	-7.49	40	48.79	12.14	1.71	30.13			P	H
		178.77	31.61	-11.89	43.5	44.25	15.09	2.26	29.99			P	H
		773.2	31.96	-14.04	46	28.99	27.93	4.46	29.42			P	H
		854.4	32.23	-13.77	46	27.68	28.88	4.77	29.1			P	H
		951.7	34.56	-11.44	46	27.59	30.44	5.08	28.55			P	H
													H
													H
													H
													H
													H
													H
		30	33.9	-6.1	40	38.16	24.6	1.32	30.18	100	0	P	V
		63.48	29.81	-10.19	40	46.39	11.84	1.71	30.13			P	V
		67.53	31.65	-8.35	40	47.93	12.14	1.71	30.13			P	V
		531.7	34.97	-11.03	46	37.12	23.98	3.75	29.88			P	V
		797	34.18	-11.82	46	30.96	27.96	4.61	29.35			P	V
		945.4	34.66	-11.34	46	28.04	30.13	5.08	28.59			P	V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<Close Mode>

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		5148.46	58.63	-15.37	74	47.02	34.3	11.29	33.98	269	133	P	H
		5148.98	50.08	-3.92	54	38.47	34.3	11.29	33.98	269	133	A	H
	*	5190	105.81	-	-	94.15	34.3	11.34	33.98	269	133	P	H
	*	5190	98.65	-	-	86.99	34.3	11.34	33.98	269	133	A	H
		5413.24	51.77	-22.23	74	39.6	34.63	11.53	33.99	269	133	P	H
		5412.4	44.54	-9.46	54	32.37	34.63	11.53	33.99	269	133	A	H
		5148.2	54.56	-19.44	74	42.95	34.3	11.29	33.98	100	150	P	V
		5150	48.43	-5.57	54	36.82	34.3	11.29	33.98	100	150	A	V
	*	5190	105.77	-	-	94.11	34.3	11.34	33.98	100	150	P	V
	*	5190	98.29	-	-	86.63	34.3	11.34	33.98	100	150	A	V
		5412.68	51.14	-22.86	74	38.97	34.63	11.53	33.99	100	150	P	V
		5412.4	44.35	-9.65	54	32.18	34.63	11.53	33.99	100	150	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		10380	46.97	-21.23	68.2	51.5	37.37	17.42	59.32	100	0	P	H
		15570	49.16	-24.84	74	45.17	40.23	20.35	56.59	100	0	P	H
													H
													H
		10380	46.36	-21.84	68.2	50.89	37.37	17.42	59.32	100	0	P	V
		15570	48.66	-25.34	74	44.67	40.23	20.35	56.59	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average 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	H orizontal or V ertical



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

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

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Troye Hsieh	Temperature :	22~25°C
		Relative Humidity :	55~60%

Note symbol

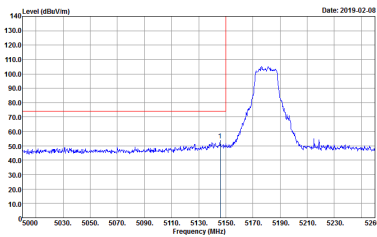
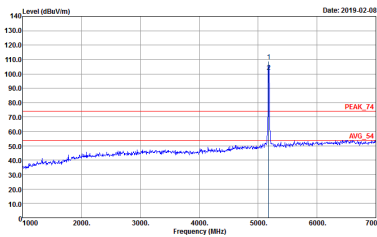
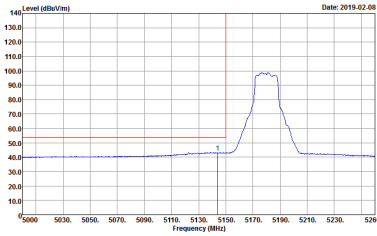
-L	Low channel location
-R	High channel location

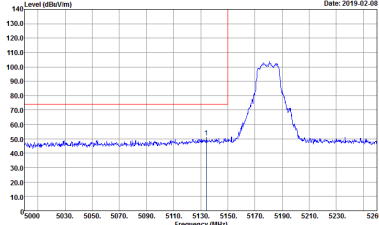
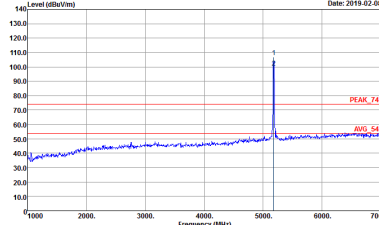
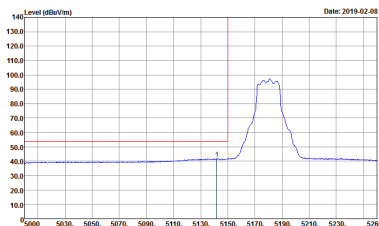


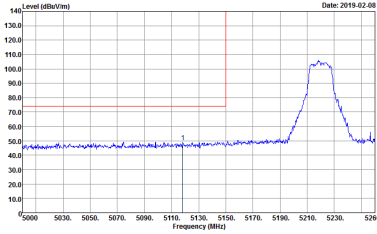
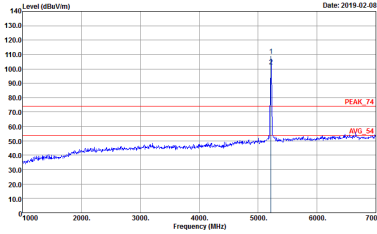
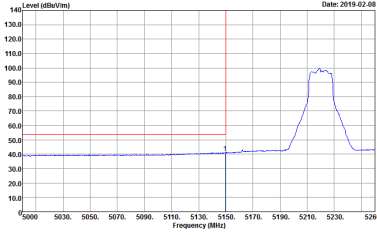
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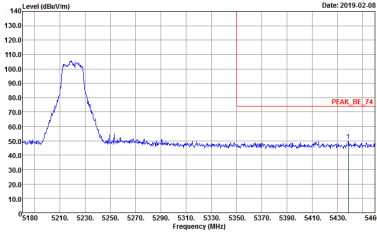
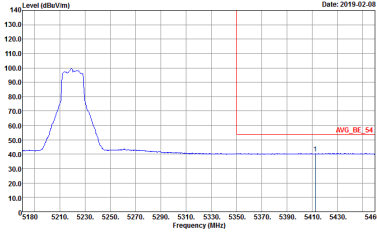
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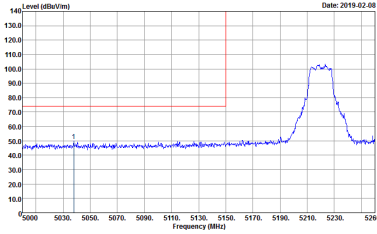
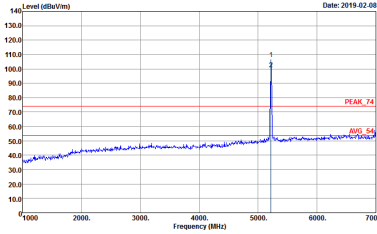
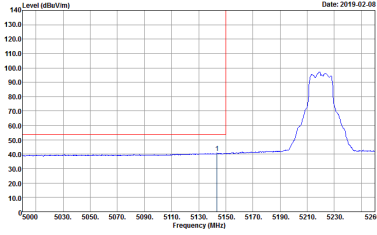
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 1	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 1
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 1	Left blank

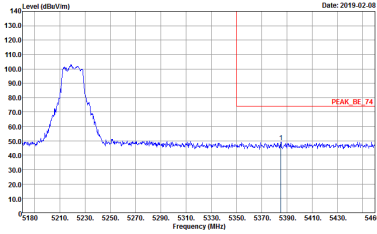
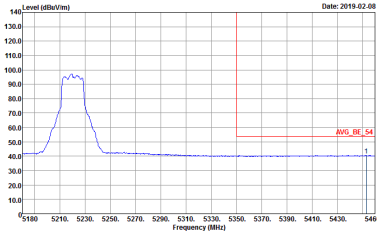
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 1	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 1
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 1	Left blank

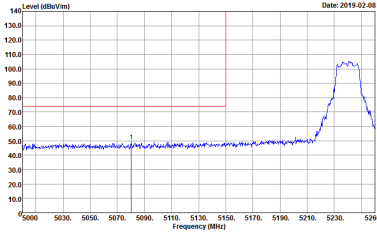
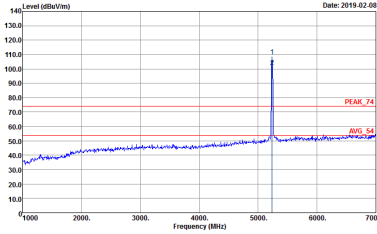
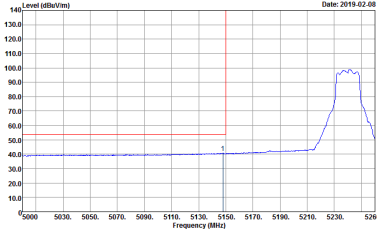
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 2	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 2
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 2	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 2	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 2	Left blank

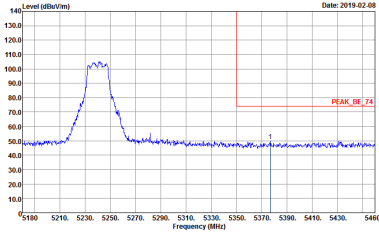
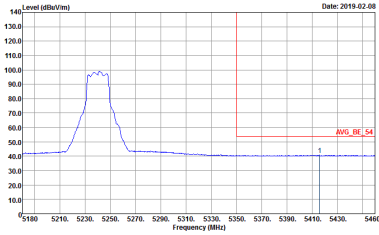
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 2	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 2
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 2	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 2	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 2	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 3	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 3
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 3	Left blank

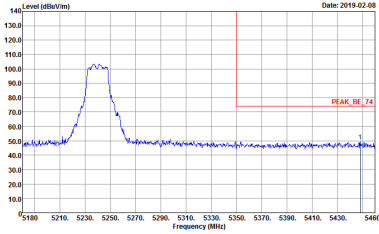
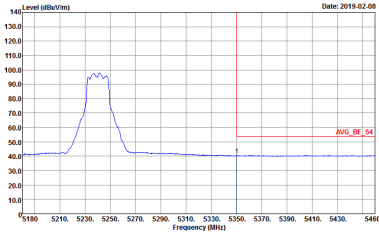


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 3	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 3	Left blank



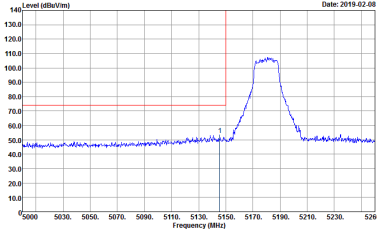
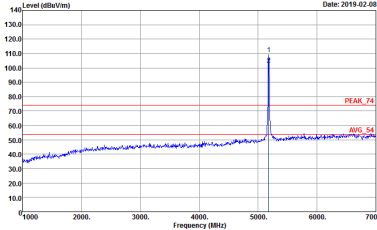
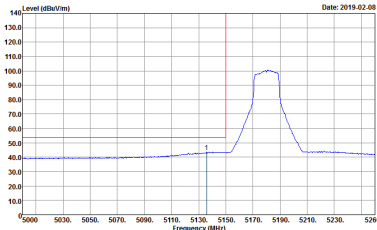
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 3	Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 3
Avg.	Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 3	Left blank

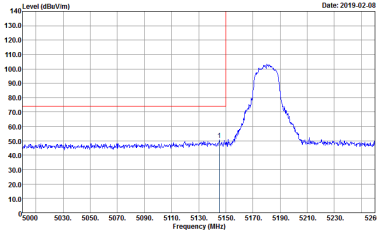
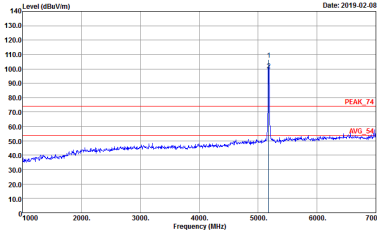
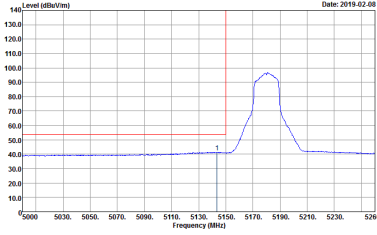


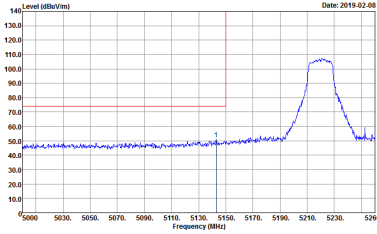
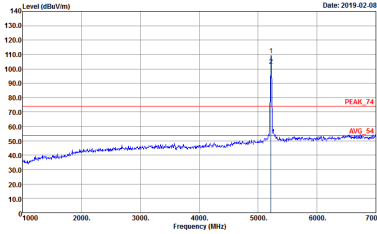
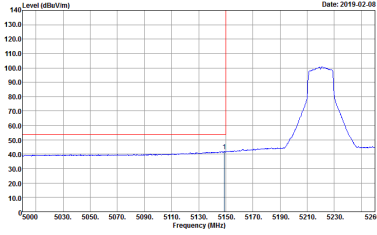
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 3	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 3	Left blank



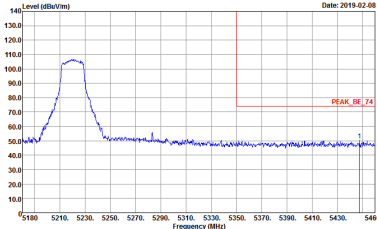
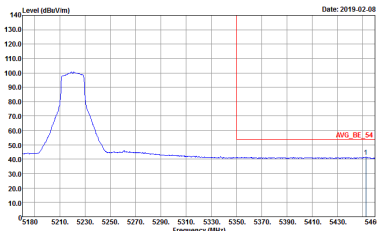
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Project : Peak Mode : 4	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Project : Peak Mode : 4
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Project : Peak Mode : 4	Left blank

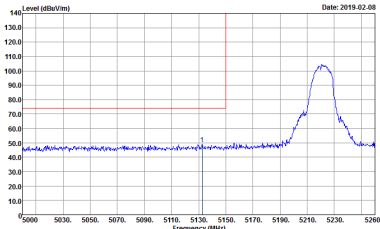
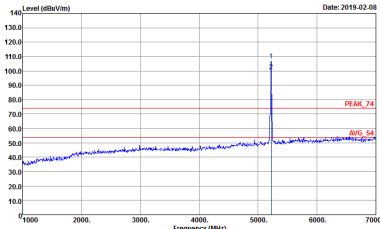
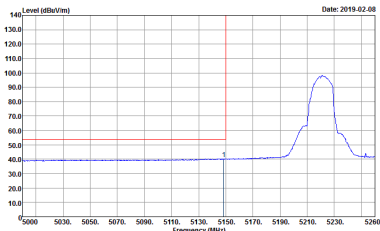
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 4	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 4
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 4	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 5	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 5
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 5	Left blank

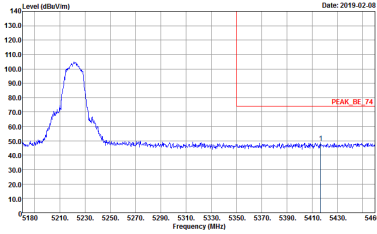
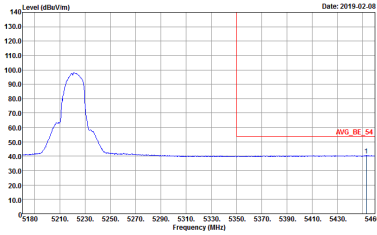


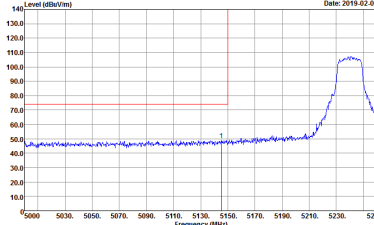
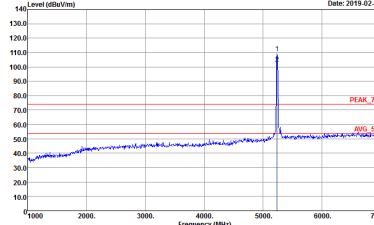
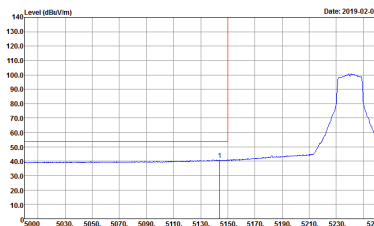
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 5	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 5	Left blank



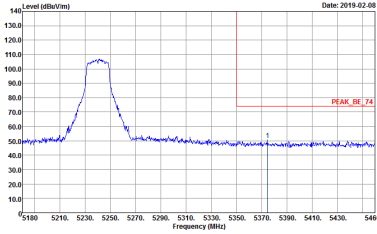
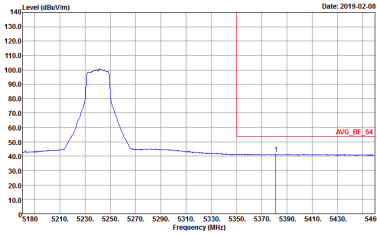
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912419 Mode : 5	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912419 Mode : 5
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 912419 Mode : 5	Left blank

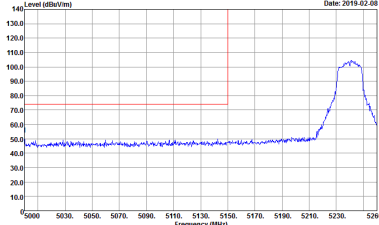
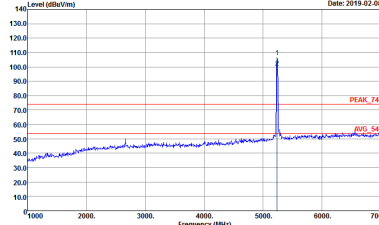
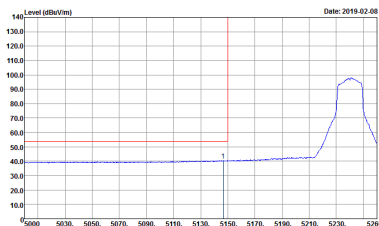


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 5	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 5	Left blank

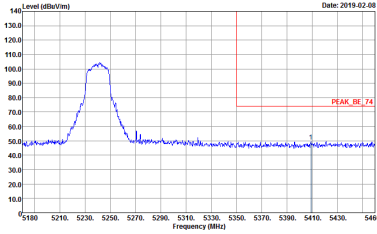
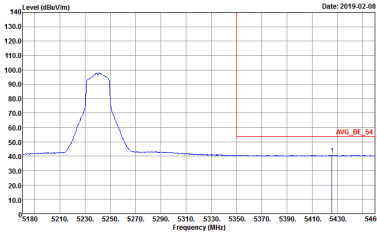
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 6	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 6
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 6	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 6	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 6	Left blank

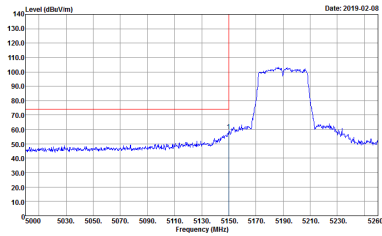
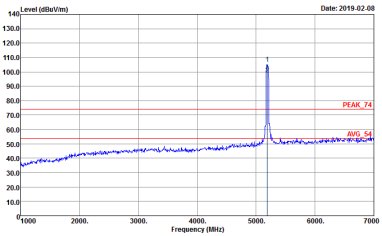
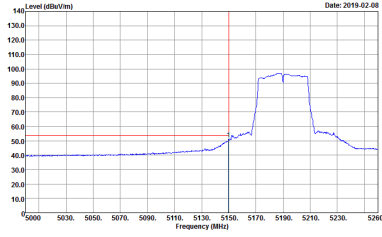
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 6	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 6
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 6	Left blank



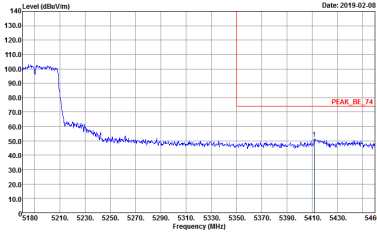
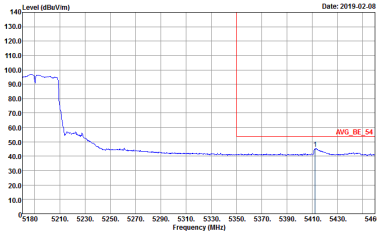
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 6	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 6	Left blank

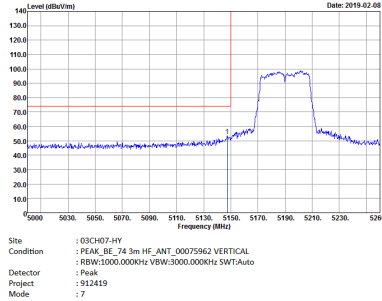
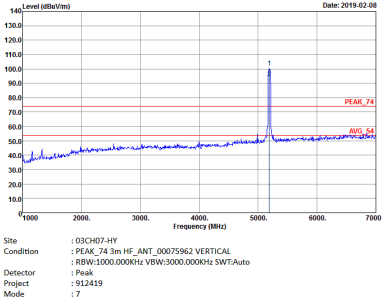
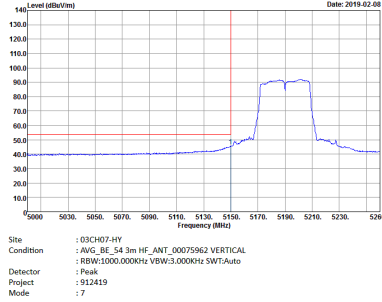


Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

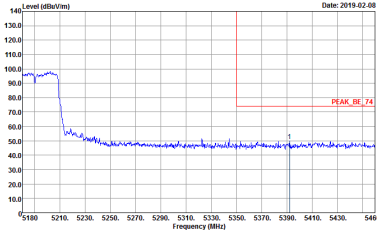
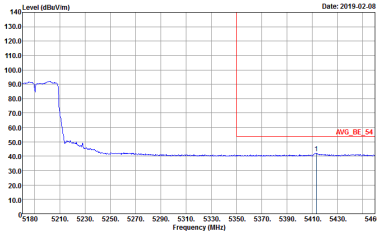
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 7	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 7
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 7	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 7	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 7	Left blank

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

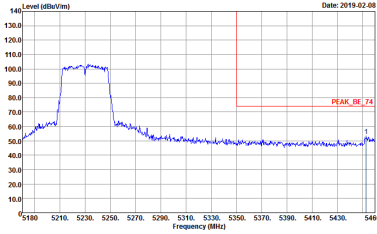
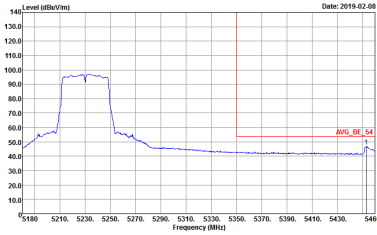


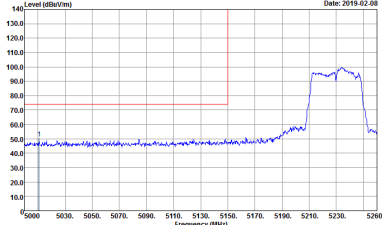
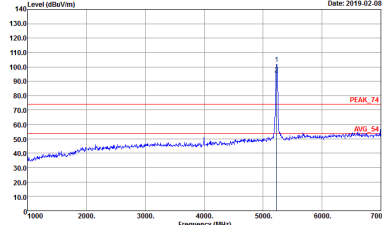
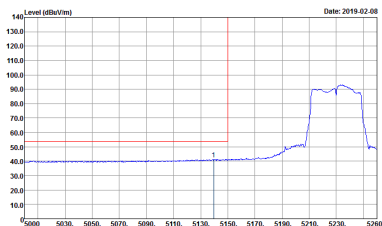
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 7	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 7	Left blank



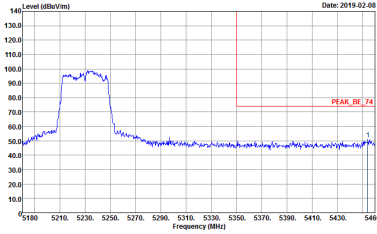
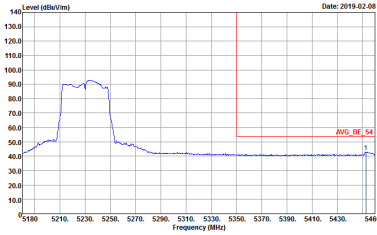
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 8	Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 8
Avg.	Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 8	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : B	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : B	Left blank

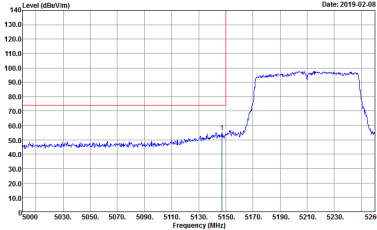
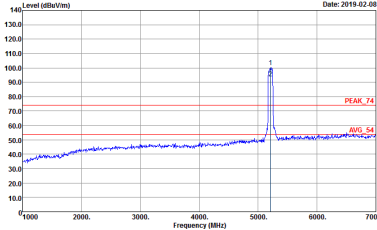
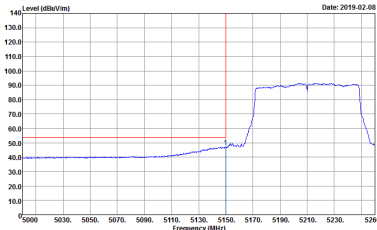
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 8	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 8
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 8	Left blank



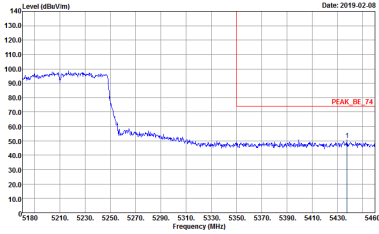
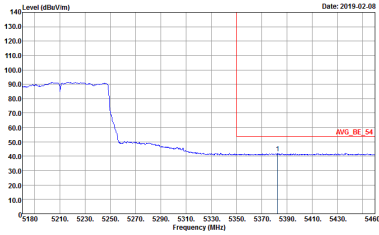
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : B	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : B	Left blank

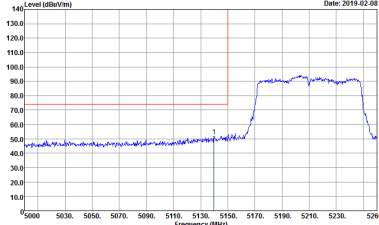
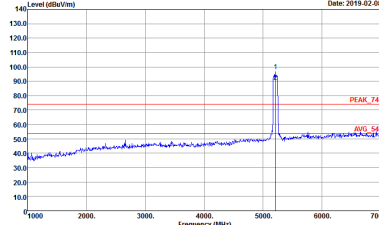
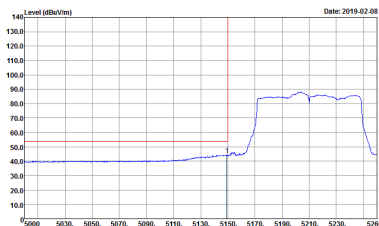


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

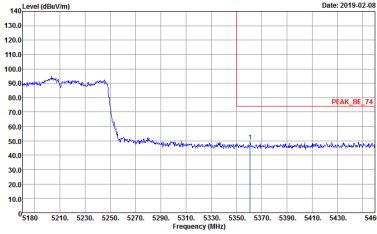
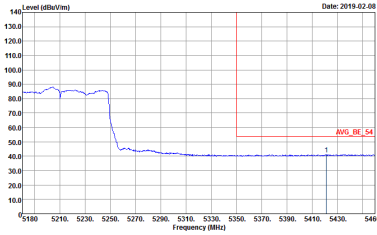
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 9	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 9
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 9	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 9	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 9	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 9	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 9
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 9	Left blank



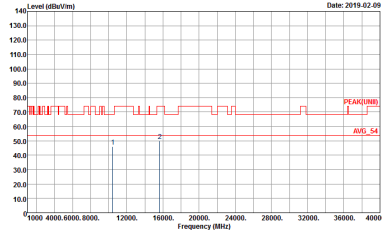
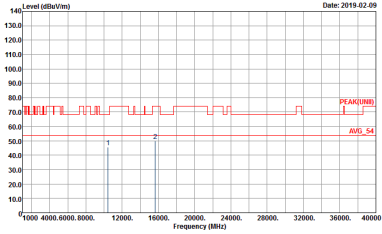
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 9	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 9	Left blank



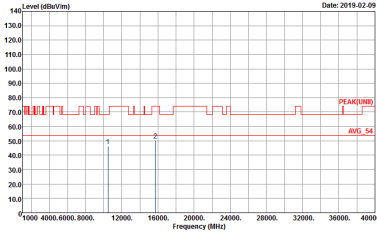
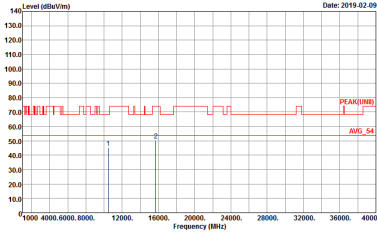
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2019.02.09 Frequency (MHz) Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 1	Level (dBuV/m) Date: 2019.02.09 Frequency (MHz) Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 1

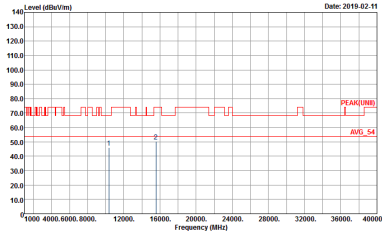
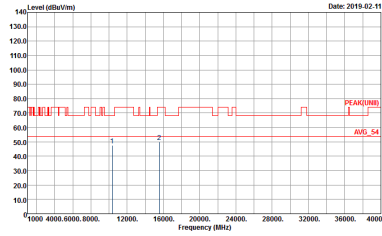


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 2	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 2

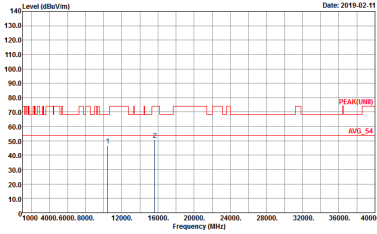
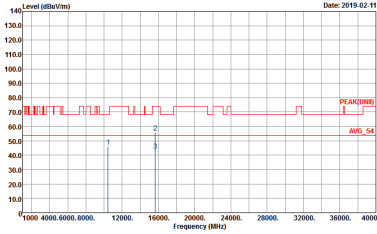


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 3	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 3

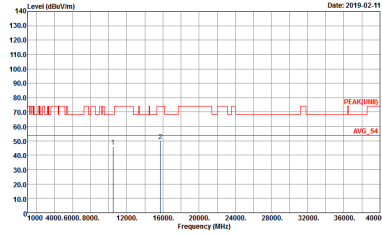
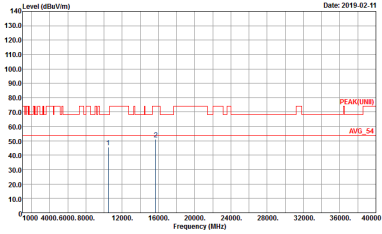
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 4	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 4

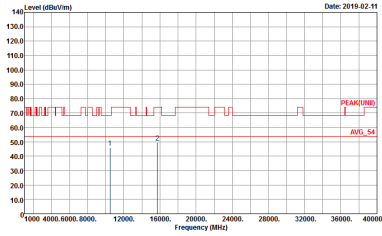
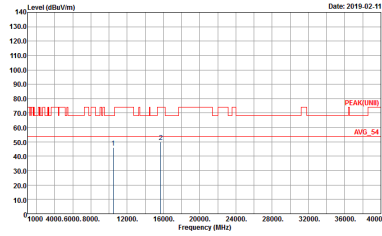


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : S	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : S

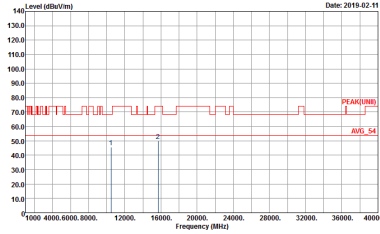
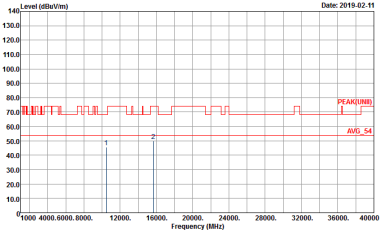


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : G	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : G

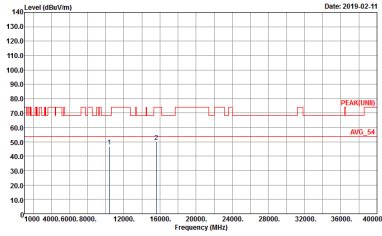
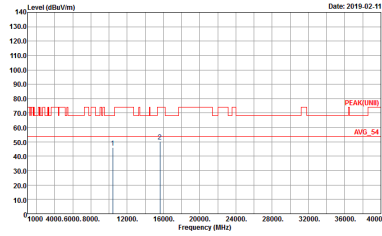
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 7	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 7



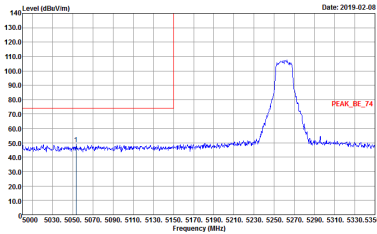
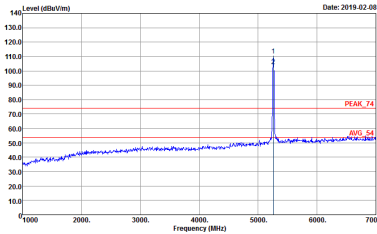
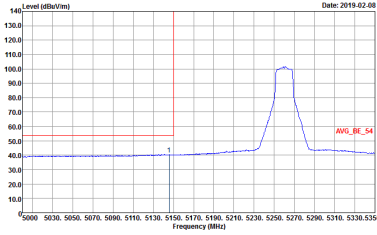
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 8	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 8

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

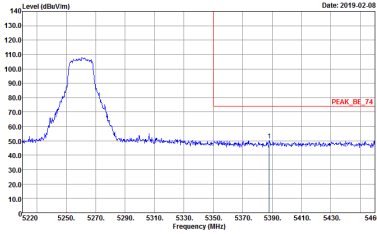
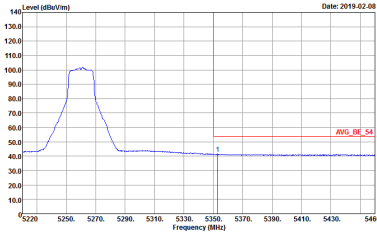
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 9	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 9

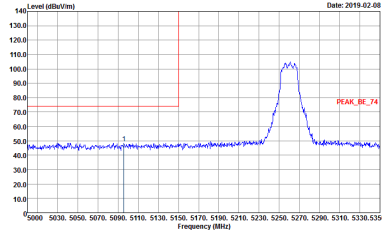
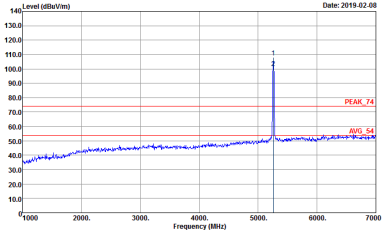
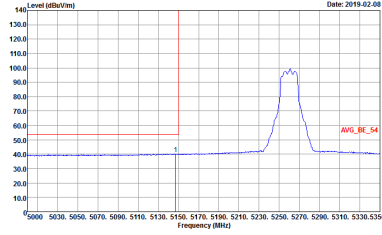


Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

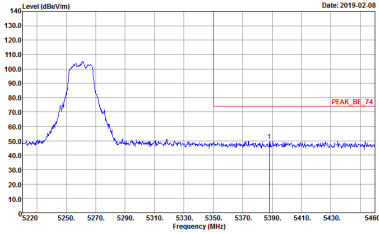
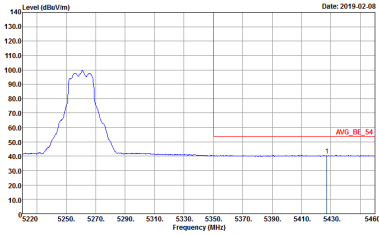
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 16	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 16
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 16	Left blank

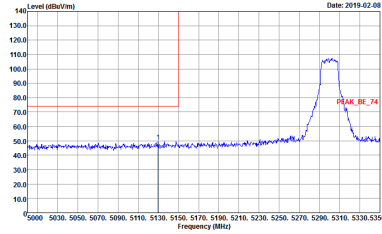
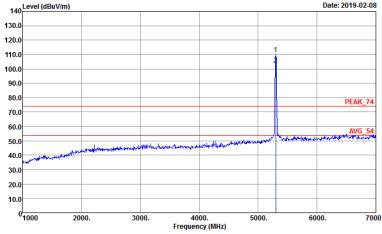
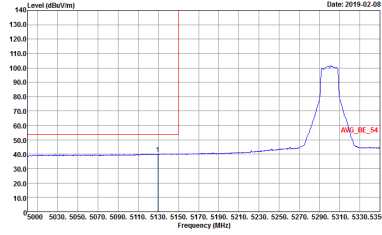


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 16	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 16	Left blank

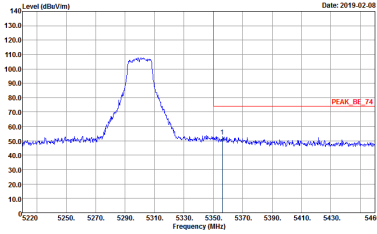
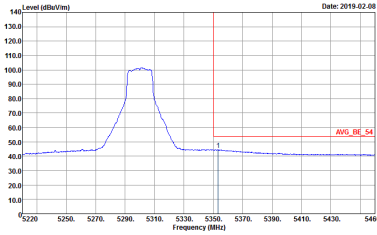
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 16	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 16
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 16	Left blank

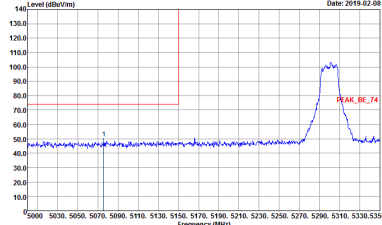
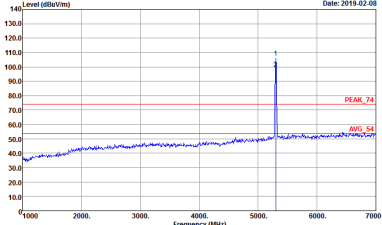
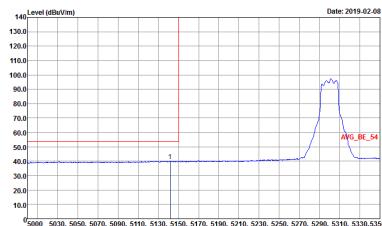


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 16	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 16	Left blank

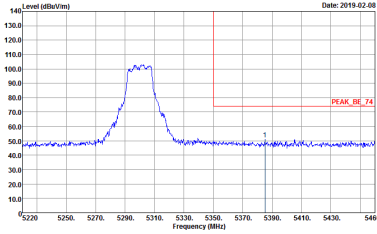
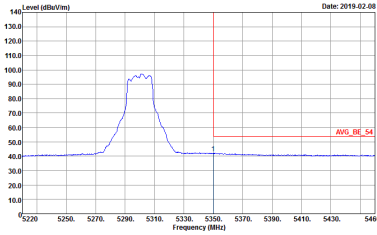
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 17	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 17
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 17	Left blank

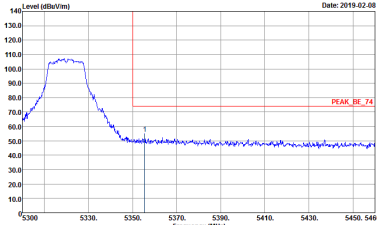
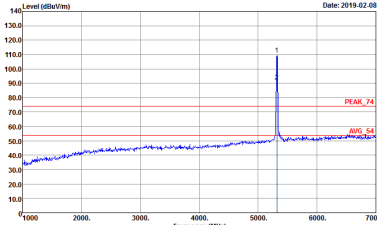
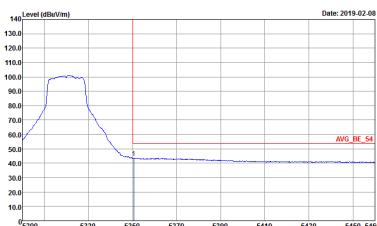


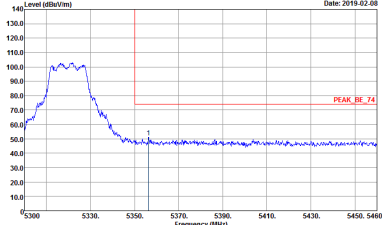
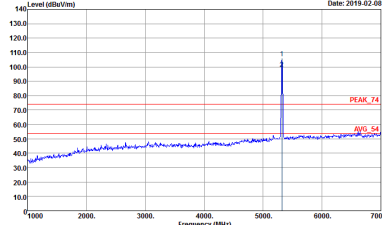
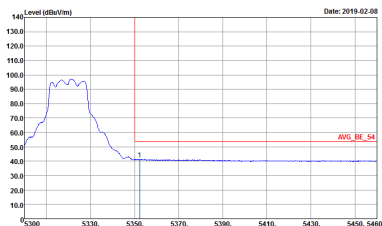
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 17	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 17	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 17	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 17
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 17	Left blank



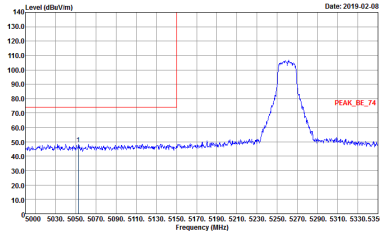
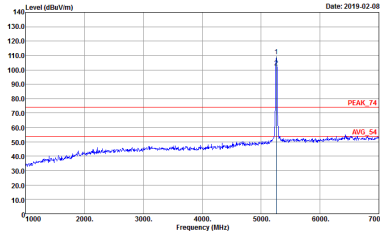
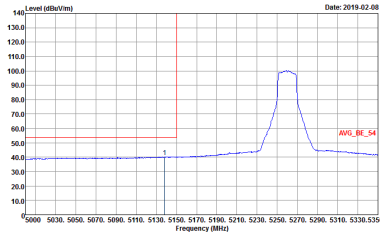
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 17	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 17	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 18	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 18
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 18	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 18	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 18
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 18	Left blank



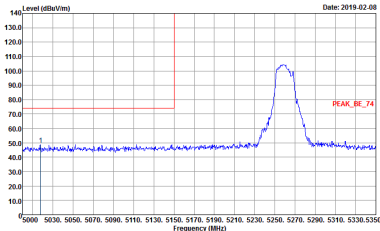
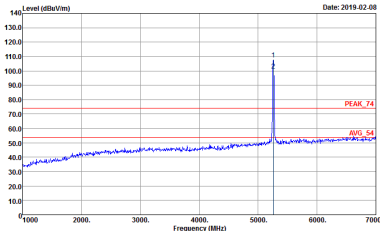
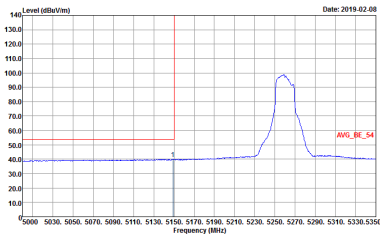
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 19	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 19
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 19	Left blank

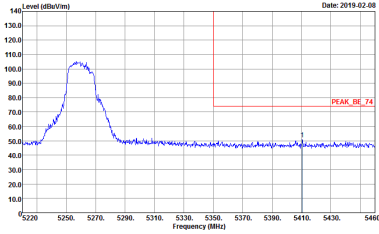
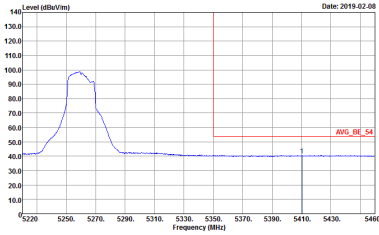


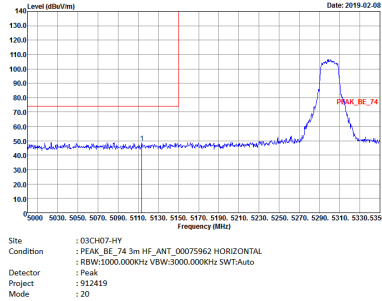
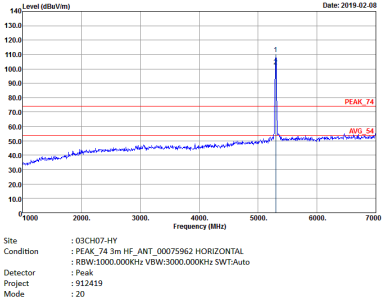
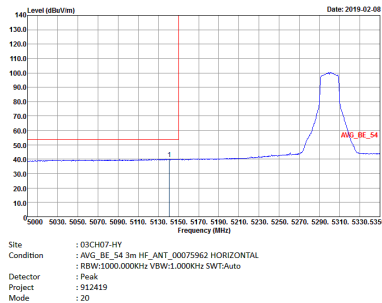
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 19	Left blank
Avg.	Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 19	Left blank



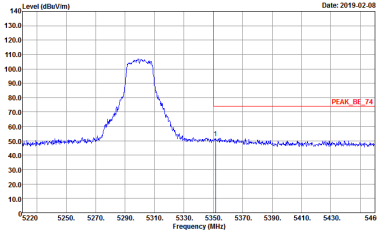
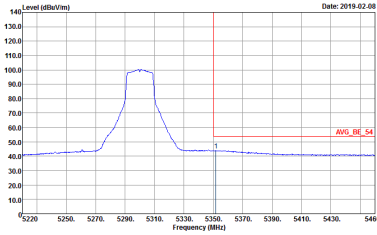
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 19	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 19
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 19	Left blank



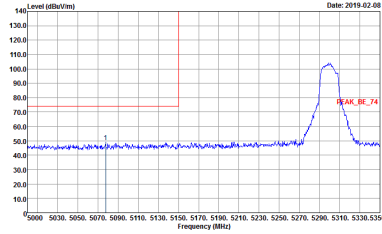
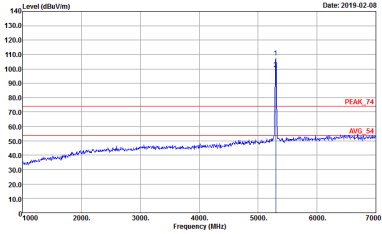
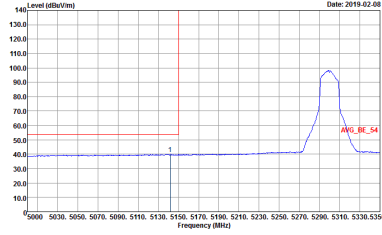
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 19	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 19	Left blank

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

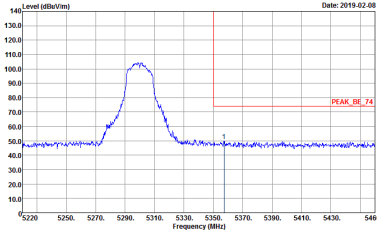
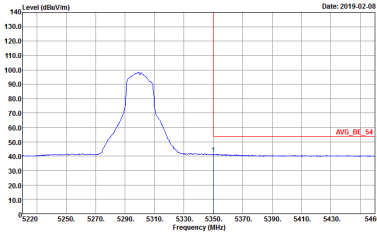


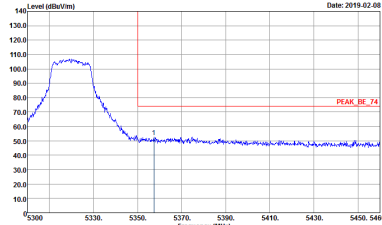
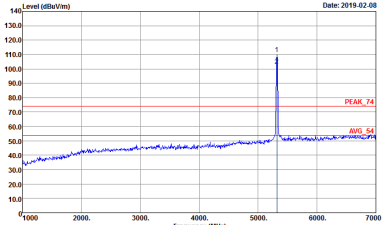
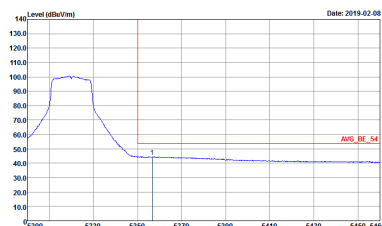
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 20	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 20	Left blank

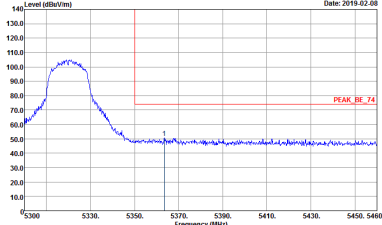
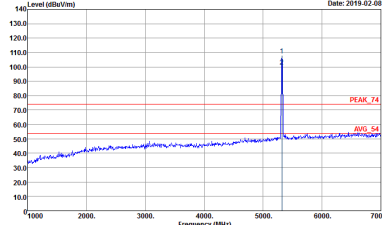
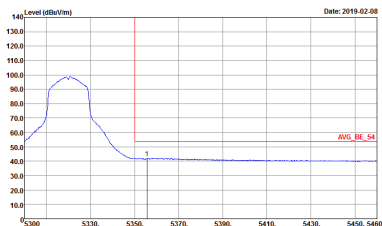


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 20	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 20
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 20	Left blank



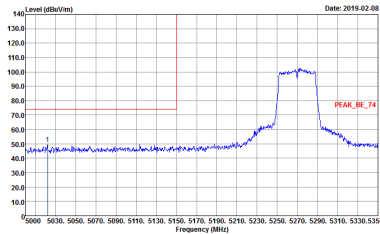
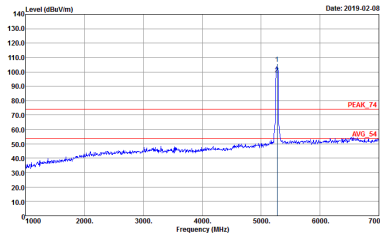
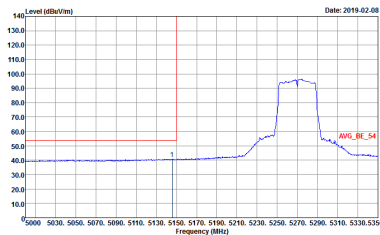
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 20	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 20	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : Z1	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : Z1
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : Z1	Left blank

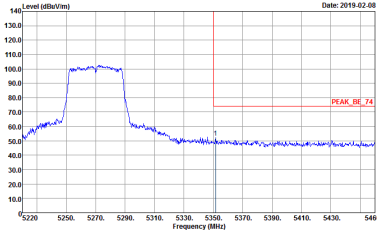
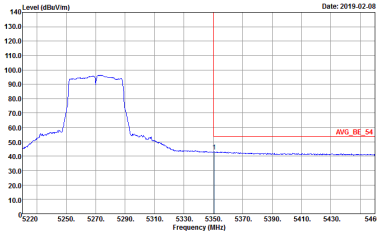
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : Z1	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : Z1
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : Z1	Left blank

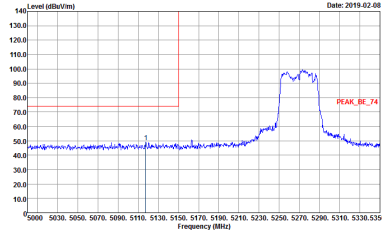
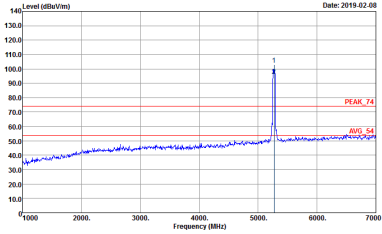
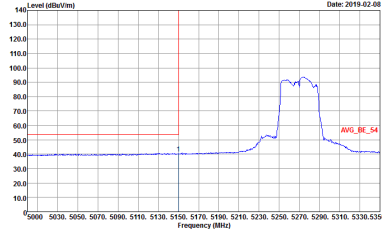


Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

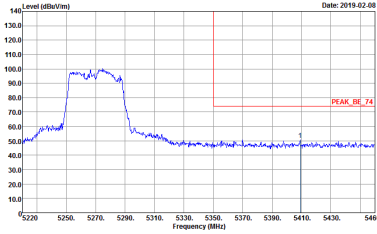
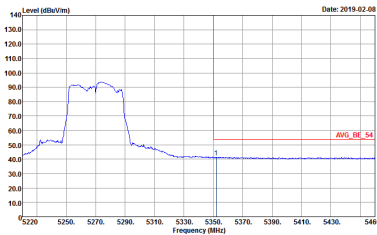
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 22	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 22
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 22	Left blank

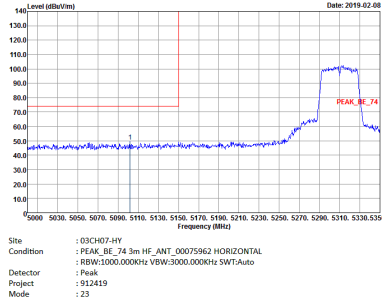
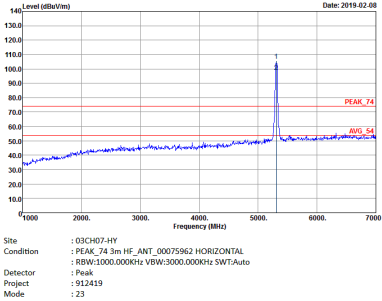
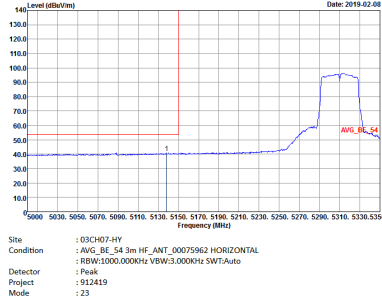


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : Z2	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : Z2	Left blank

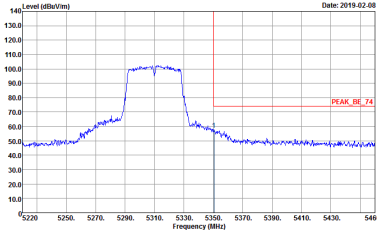
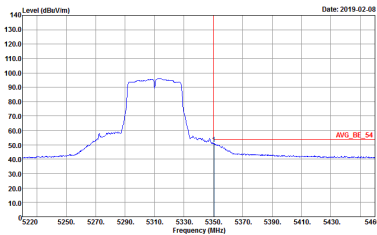
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 22	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 22
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 22	Left blank



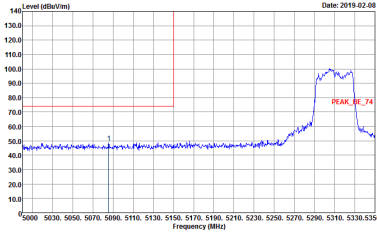
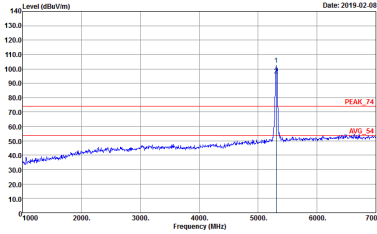
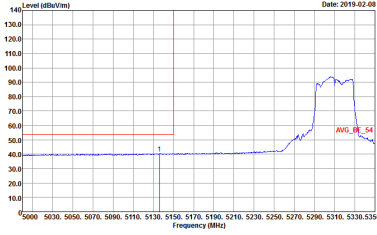
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 22	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 22	Left blank

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

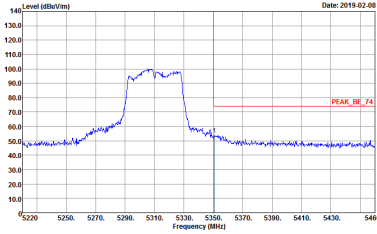
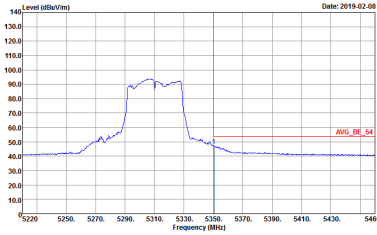


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 23	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 23	Left blank



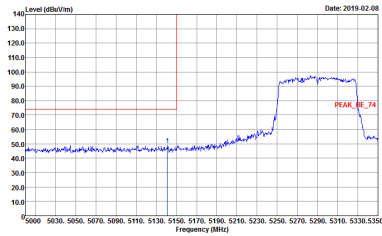
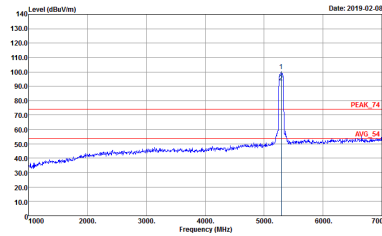
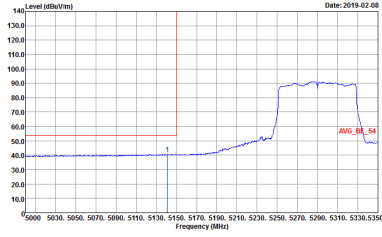
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 23	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 23
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 23	Left blank



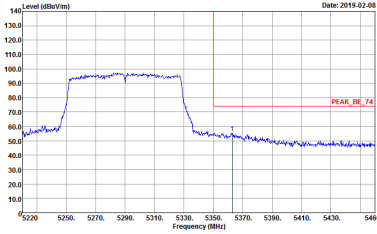
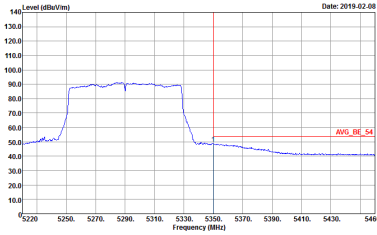
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 23 Date: 2019.02.08	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 23 Date: 2019.02.08	Left blank



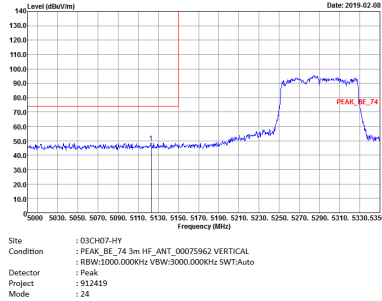
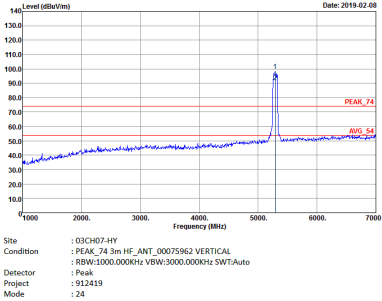
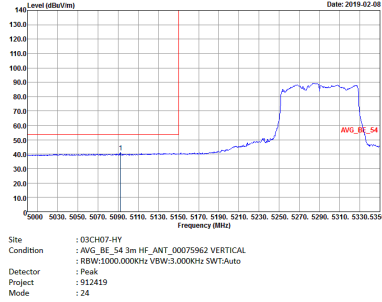
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 24	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 24
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 24	Left blank

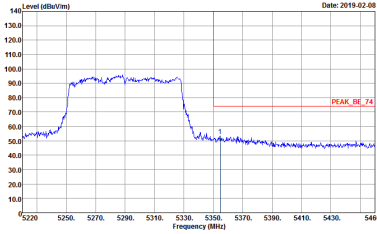
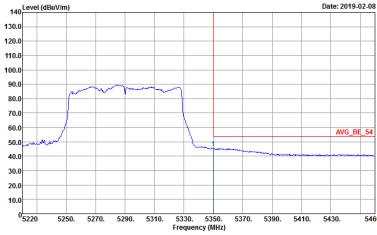


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 24	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 24	Left blank



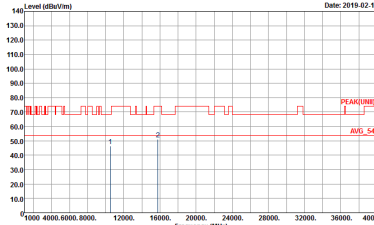
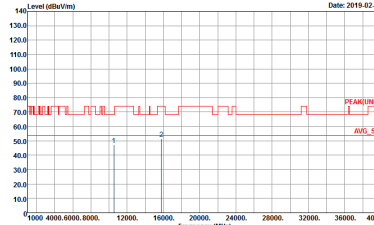
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 24	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 24
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 24	Left blank



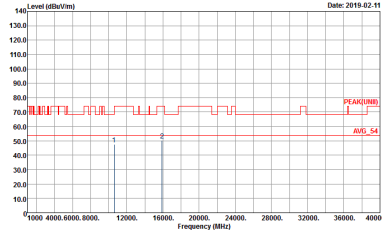
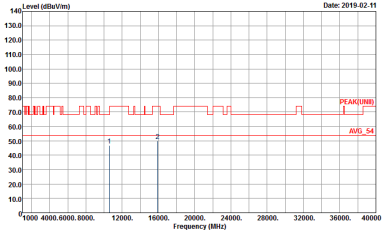
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 24	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 24	Left blank



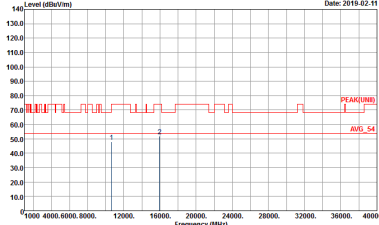
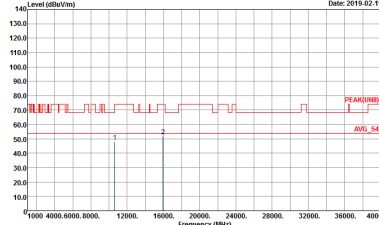
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 16	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 16

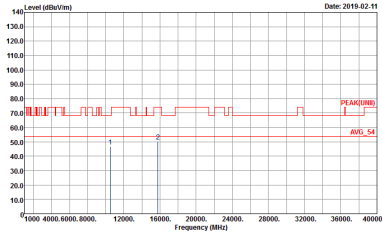
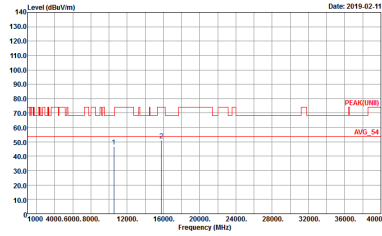


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 17	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 17

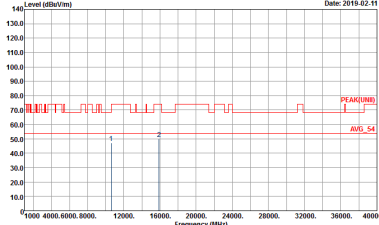
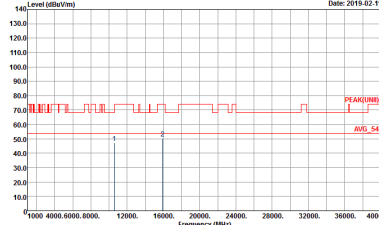


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 18	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 18

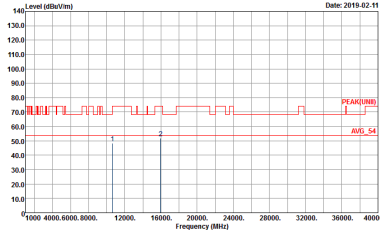
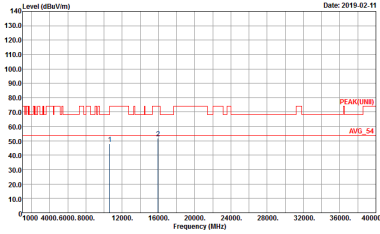
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 19	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 19

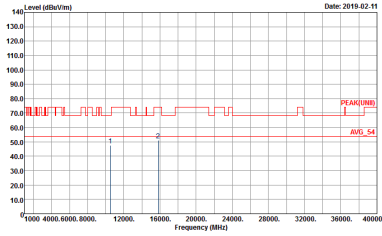
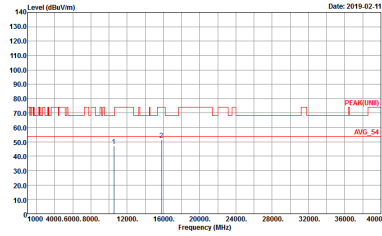


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 20	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 20

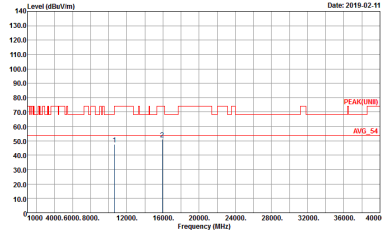
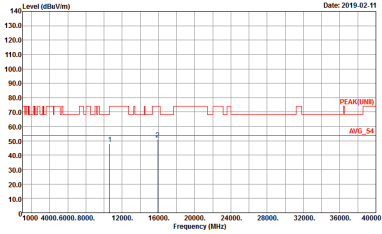


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 21	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 21

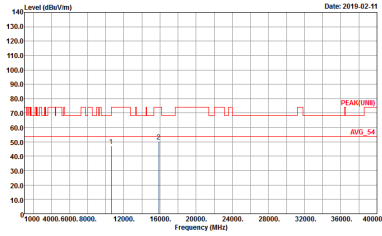
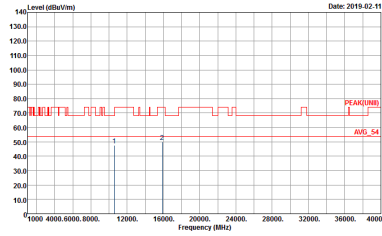
Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 22	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 22

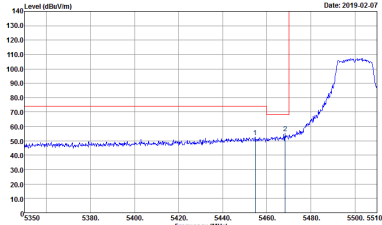
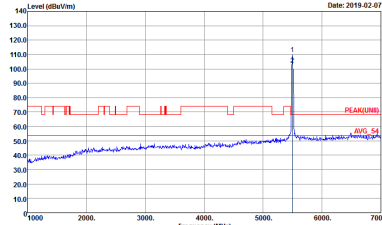
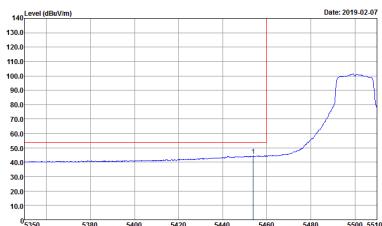


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 23	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 23

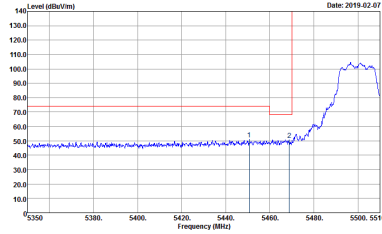
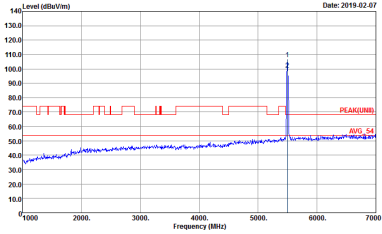
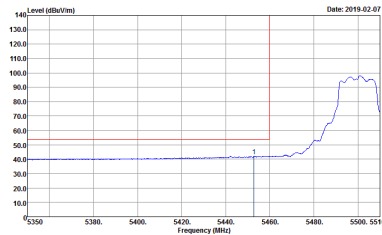
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 24	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 24

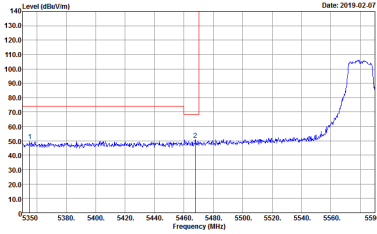
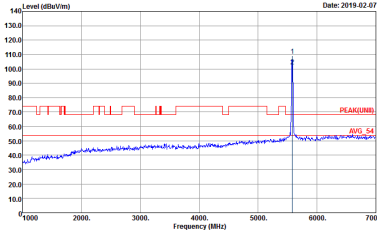
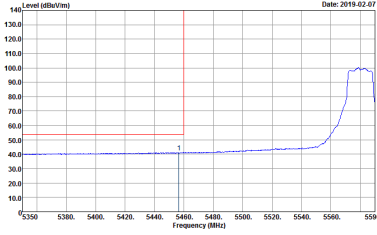
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	 Date: 2019.02.07 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 31	 Date: 2019.02.07 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 31
Avg.	 Date: 2019.02.07 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 31	Left blank

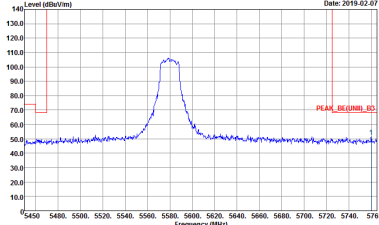


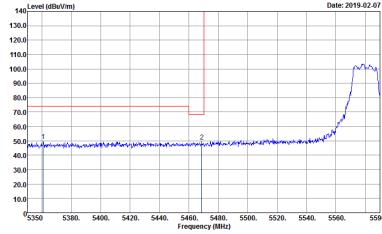
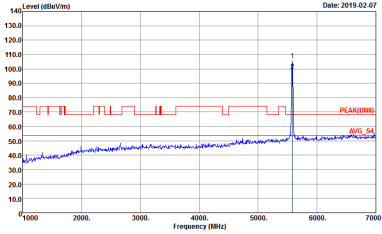
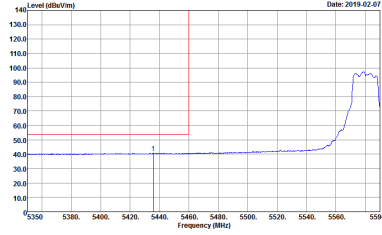
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 31	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 31
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 31	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 32	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 32
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 32	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT-Auto Project : Peak Mode : 912419 : 32	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 32	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 32
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 32	Left blank

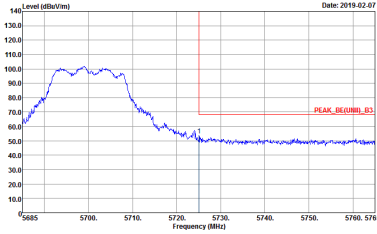
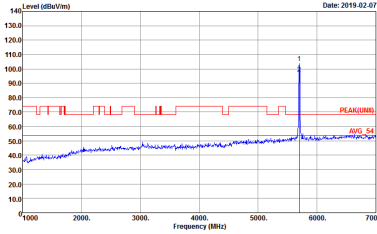


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT-Auto Project : Peak Mode : 912419 32	Left blank



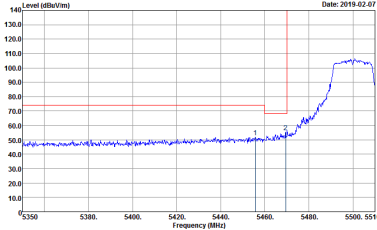
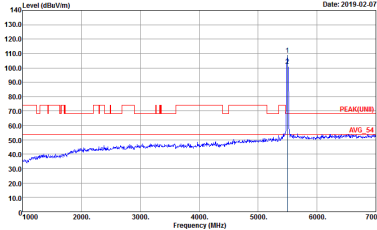
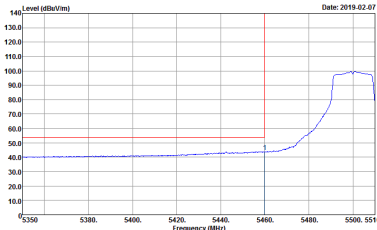
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 33	Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 33



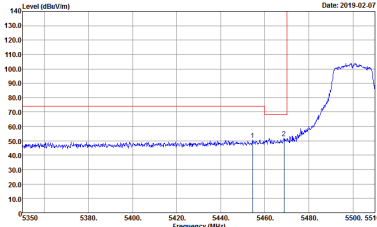
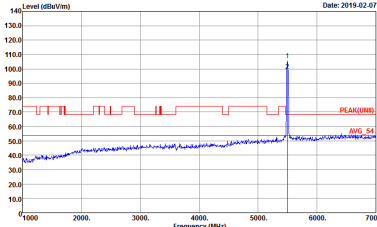
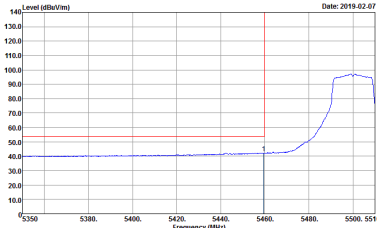
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 33	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 33



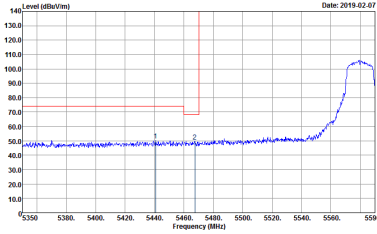
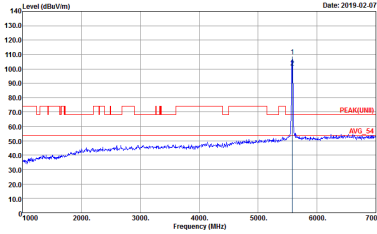
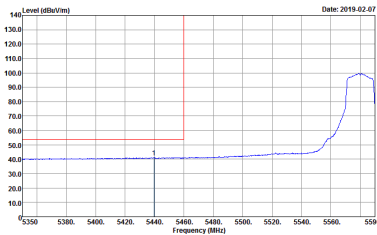
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEM_BE(LNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912419 Mode : 34	 Site : 03CH07-HY Condition : PEAK(LNII)_3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912419 Mode : 34
Avg.	 Site : 03CH07-HY Condition : AVG_BE(LNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 912419 Mode : 34	Left blank

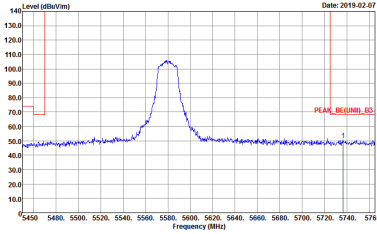


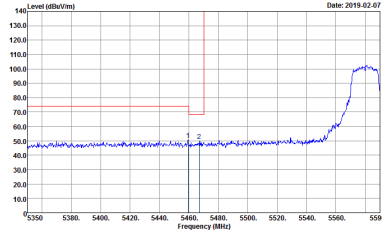
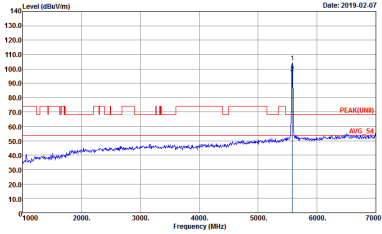
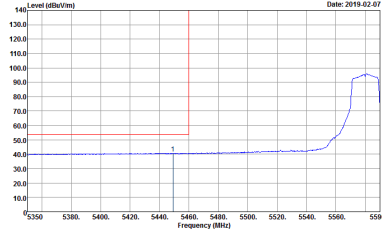
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 34	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 34
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 34	Left blank



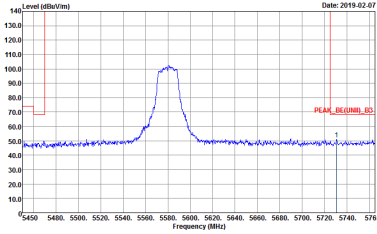
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 35	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 35
Avg.	 Site : 03CH07-HY Condition : AVE_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 35	Left blank



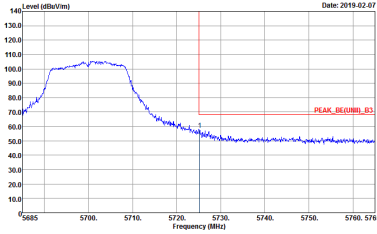
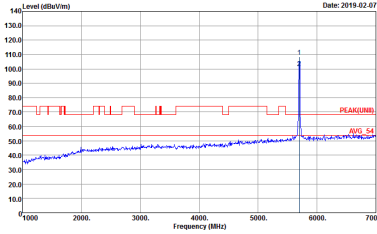
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 35	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 35	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 35
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 35	Left blank

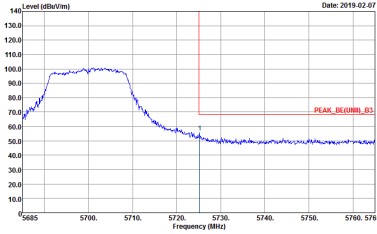
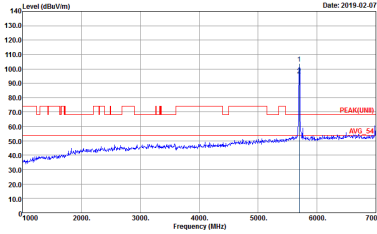


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT-Auto Project : Peak Mode : 912419 : 35	Left blank



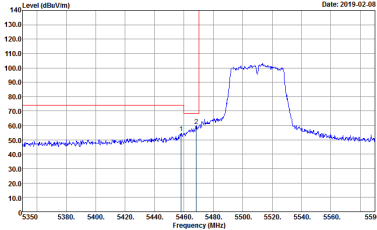
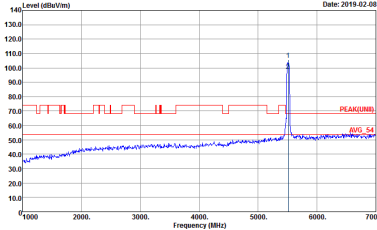
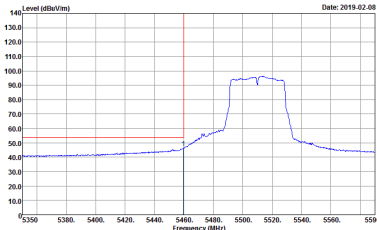
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 36	 Site : 03CH07-HY Condition : PEAK_F(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 36



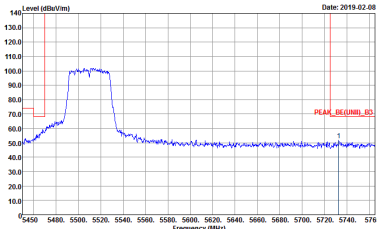
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 36	 Site : 03CH07-HY Condition : PEAK_F(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 36

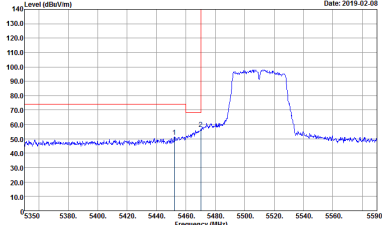
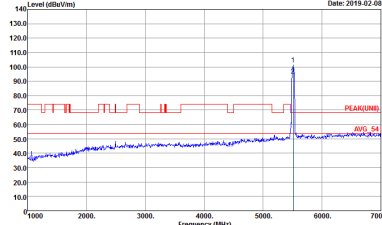
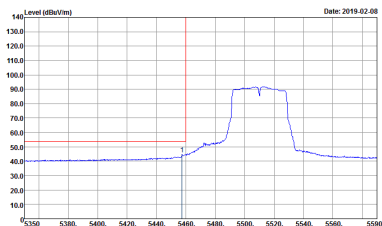


Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

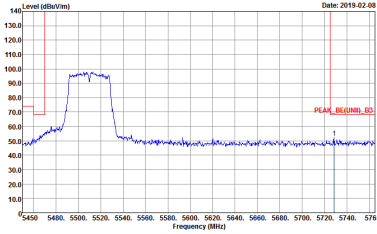
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEM_BE(LUNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 37	 Site : 03CH07-HY Condition : PEAK(LUNII)_3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 37
Avg.	 Site : 03CH07-HY Condition : AVG_BE(LUNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 37	Left blank

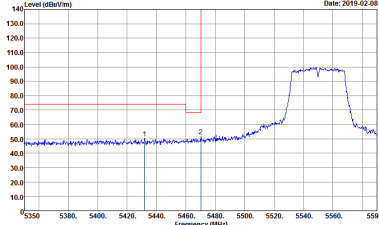
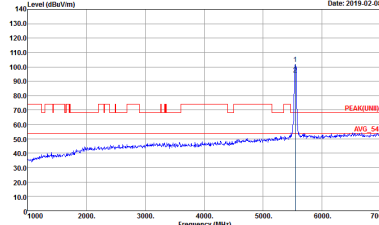
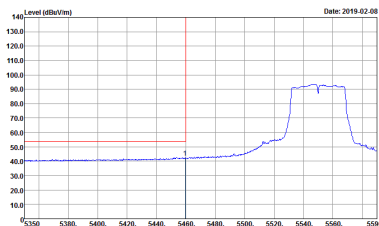


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 37	Left blank

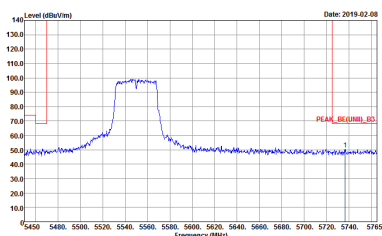
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 37	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 37
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 37	Left blank



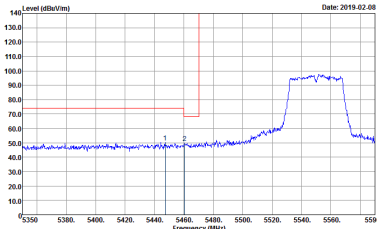
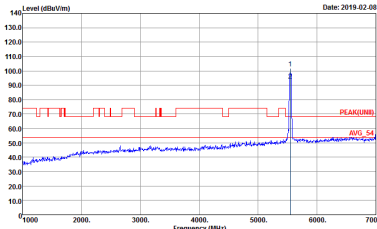
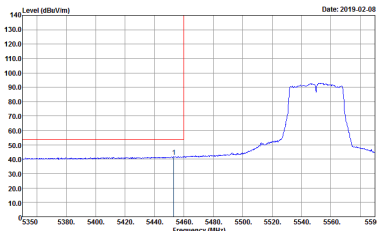
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 37	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 38	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 38
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 38	Left blank



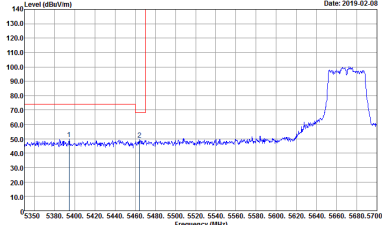
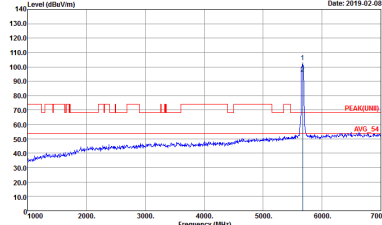
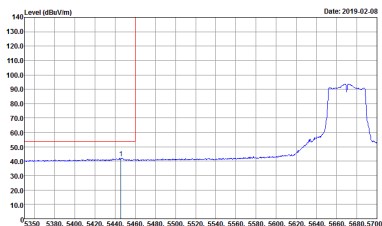
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 38	Left blank



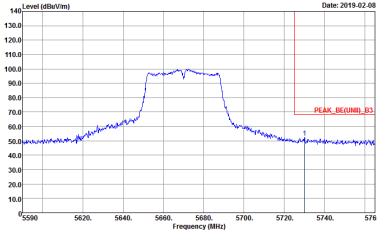
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 38	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 38
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 38	Left blank

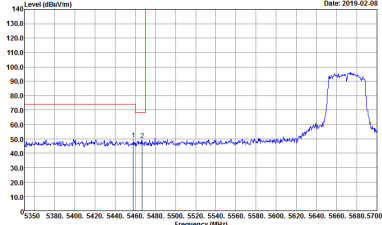
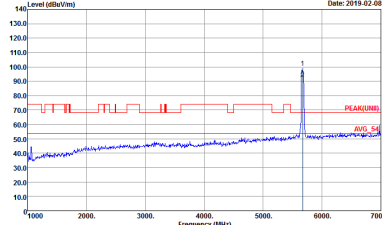
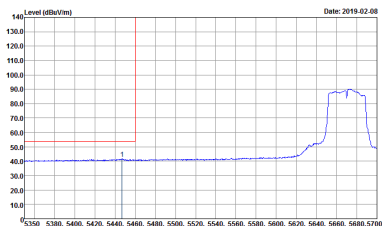


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT-Auto Project : Peak Mode : 912419 Date: 2019.02.08	Left blank

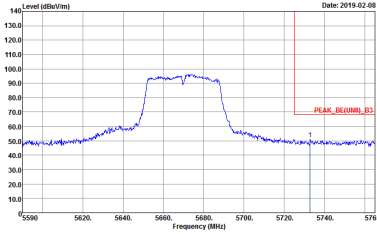
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 39	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 39
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 39	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT-Auto Project : Peak Mode : 912419 39	Left blank

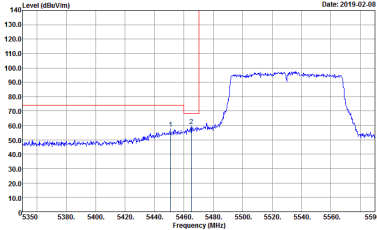
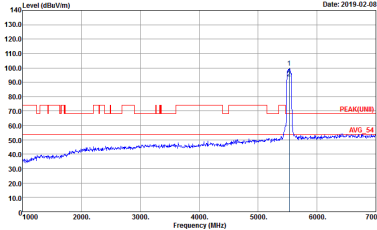
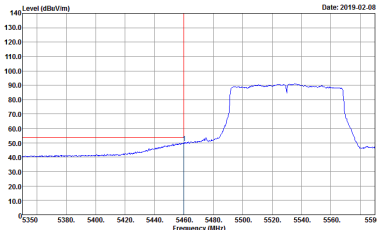
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 39	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 39
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 39	Left blank



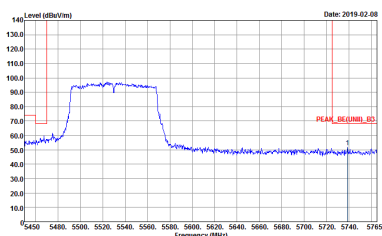
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 39	Left blank



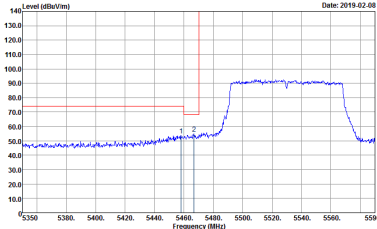
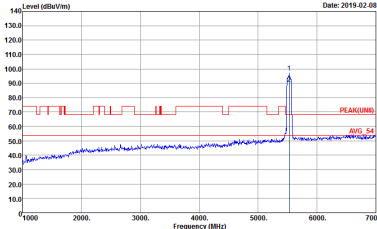
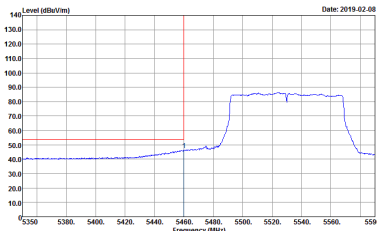
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEM_BE(LUNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 40	 Site : 03CH07-HY Condition : PEAK(LUNII)_3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 40
Avg.	 Site : 03CH07-HY Condition : AVG_BE(LUNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 912419 Mode : 40	Left blank

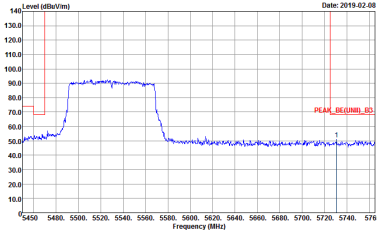


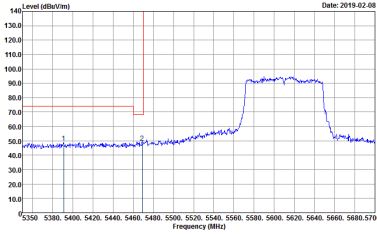
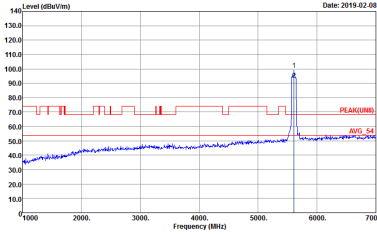
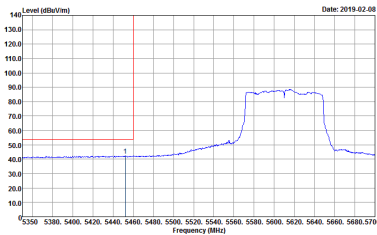
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 40	Left blank



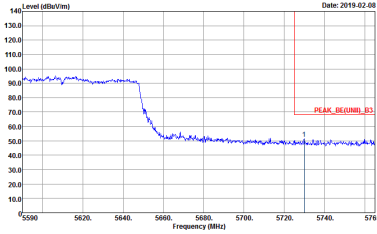
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 40	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 40
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 40	Left blank

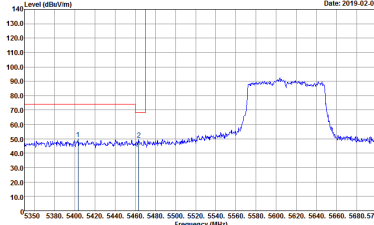
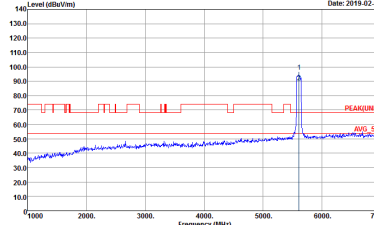
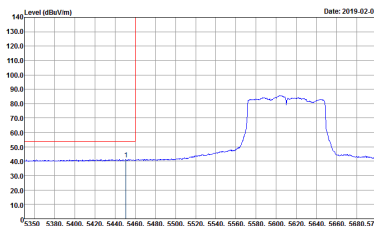


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 40 Date: 2019.02.08	Left blank

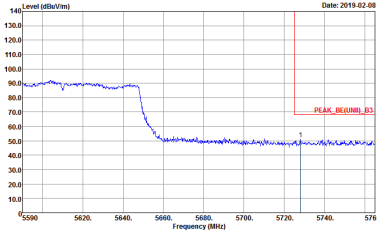
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 41	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 41
Avg.	 Site : 03CH07-HY Condition : AVE_BE(UNII)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 41	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 912419 Mode : 41	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 41	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 41
Avg.	 Site : 03CH07-HY Condition : AVE_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 912419 Mode : 41	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00075962 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT-Auto Project : Peak Mode : 912419 Date: 2019.02.08	Left blank



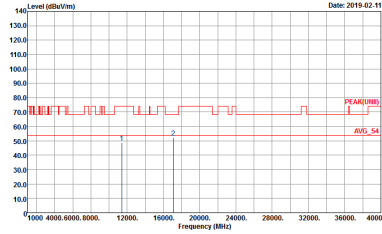
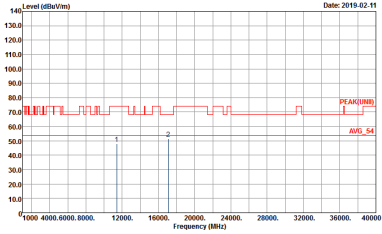
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 31	Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 31



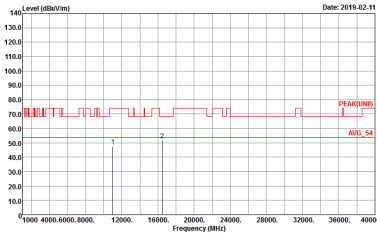
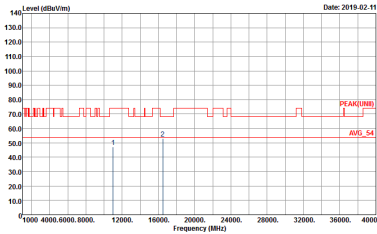
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 32	Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 32



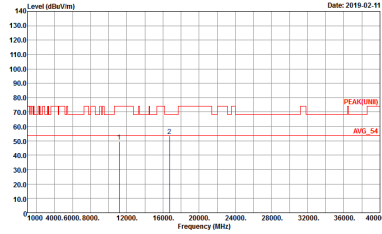
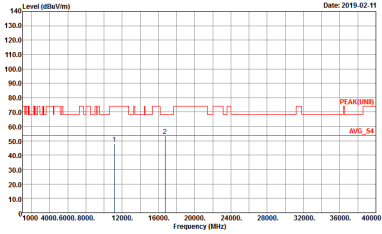
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 33	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 33



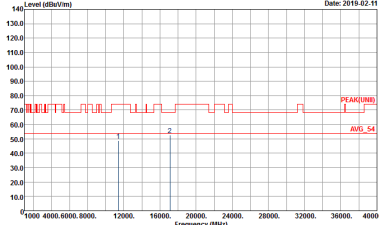
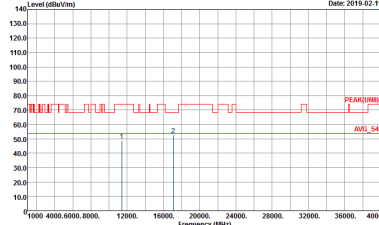
Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 34	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 34

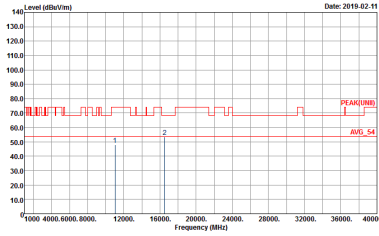
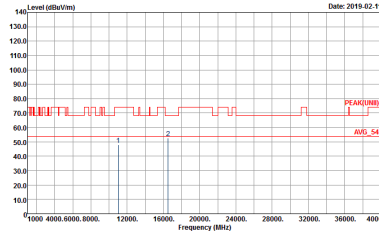


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 35	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 35

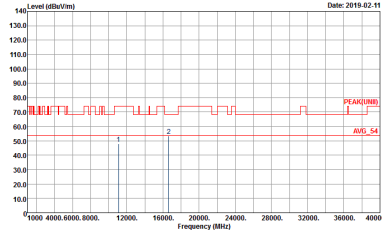
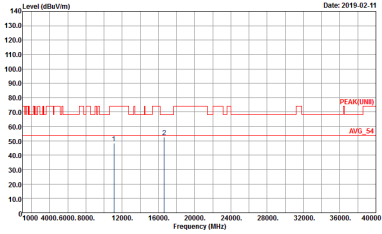


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 36	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 36

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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 37	 Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 37



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 912419 Mode : 38	 Site : 03CH07-HY Condition : PEAK(UNB) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 912419 Mode : 38