



FCC RADIO TEST REPORT

FCC ID : A4RG1F8F
Equipment : Phone
Model Name : G1F8F
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Dec. 11, 2020 and testing was started from Dec. 12, 2020 and completed on Feb. 09, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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



Table of Contents

History of this test report.....	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	18
3.3 Power Spectral Density Measurement	20
3.4 Unwanted Emissions Measurement	23
3.5 AC Conducted Emission Measurement.....	28
3.6 Automatically Discontinue Transmission	30
3.7 Antenna Requirements	32
4 List of Measuring Equipment.....	33
5 Uncertainty of Evaluation	35
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
FR093032-02E	01	Initial issue of report	Mar. 12, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.64 dB at 5457.460 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 17.97 dB at 0.500 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: Cindy Liu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
Model Name	G1F8F
FCC ID	A4RG1F8F
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/ NFC/GNSS WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

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

EUT Information List	
S/N	Performed Test Item
0B271FQCB00069	Conducted Measurement
0C031FQCB00083	Radiated Spurious Emission
0C101FQCB00034	Conducted Emission

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	<5180 MHz ~ 5240 MHz> <Ant. 4> 802.11a: 17.50 dBm / 0.0562 W 802.11n HT20: 17.45 dBm / 0.0556 W 802.11n HT40: 17.30 dBm / 0.0537 W 802.11ac VHT20: 17.06 dBm / 0.0508 W 802.11ac VHT40: 17.20 dBm / 0.0525 W 802.11ac VHT80: 16.40 dBm / 0.0437 W <Ant. 3> 802.11a: 16.99 dBm / 0.0500 W 802.11n HT20: 17.02 dBm / 0.0504 W 802.11n HT40: 17.00 dBm / 0.0501 W 802.11ac VHT20: 16.90 dBm / 0.0490 W 802.11ac VHT40: 16.90 dBm / 0.0490 W 802.11ac VHT80: 15.70 dBm / 0.0372 W MIMO <Ant. 4+3> 802.11a: 20.27 dBm / 0.1064 W 802.11n HT20: 20.23 dBm / 0.1054 W 802.11n HT40: 20.31 dBm / 0.1075 W 802.11ac VHT20: 20.07 dBm / 0.1016 W 802.11ac VHT40: 20.21 dBm / 0.1051 W 802.11ac VHT80: 19.17 dBm / 0.0827 W <5260 MHz ~ 5320 MHz> <Ant. 4> 802.11a: 16.70 dBm / 0.0468 W 802.11n HT20: 16.60 dBm / 0.0457 W 802.11n HT40: 17.30 dBm / 0.0537 W 802.11ac VHT20: 16.50 dBm / 0.0447 W 802.11ac VHT40: 17.20 dBm / 0.0525 W 802.11ac VHT80: 15.70 dBm / 0.0372 W <Ant. 3> 802.11a: 16.50 dBm / 0.0447 W 802.11n HT20: 16.80 dBm / 0.0479 W 802.11n HT40: 17.30 dBm / 0.0537 W 802.11ac VHT20: 16.70 dBm / 0.0468 W 802.11ac VHT40: 17.20 dBm / 0.0525 W 802.11ac VHT80: 15.30 dBm / 0.0339 W MIMO <Ant. 4+3> 802.11a: 19.76 dBm / 0.0946 W 802.11n HT20: 19.91 dBm / 0.0980 W 802.11n HT40: 20.46 dBm / 0.1112 W 802.11ac VHT20: 19.86 dBm / 0.0969 W 802.11ac VHT40: 20.36 dBm / 0.1087 W 802.11ac VHT80: 18.71 dBm / 0.0744 W

Standards-related Product Specification	
Maximum Output Power	<5500 MHz ~ 5720 MHz> <Ant. 4> 802.11a: 16.80 dBm / 0.0479 W 802.11n HT20: 17.00 dBm / 0.0501 W 802.11n HT40: 17.40 dBm / 0.0550 W 802.11ac VHT20: 16.90 dBm / 0.0490 W 802.11ac VHT40: 17.30 dBm / 0.0537 W 802.11ac VHT80: 16.80 dBm / 0.0479 W <Ant. 3> 802.11a: 16.60 dBm / 0.0457 W 802.11n HT20: 16.60 dBm / 0.0457 W 802.11n HT40: 16.90 dBm / 0.0490 W 802.11ac VHT20: 16.50 dBm / 0.0447 W 802.11ac VHT40: 16.80 dBm / 0.0479 W 802.11ac VHT80: 16.50 dBm / 0.0447 W MIMO <Ant. 4+3> 802.11a: 19.81 dBm / 0.0958 W 802.11n HT20: 19.82 dBm / 0.0960 W 802.11n HT40: 20.47 dBm / 0.1115 W 802.11ac VHT20: 19.72 dBm / 0.0938 W 802.11ac VHT40: 20.37 dBm / 0.1090 W 802.11ac VHT80: 19.77 dBm / 0.0948 W
99% Occupied Bandwidth	MIMO <Ant. 4> 802.11a : 20.30 MHz 802.11n HT20 : 18.50 MHz 802.11n HT40 : 36.70 MHz 802.11ac VHT80: 77.04 MHz MIMO <Ant. 3> 802.11a : 20.10 MHz 802.11n HT20 : 18.15 MHz 802.11n HT40 : 36.80 MHz 802.11ac VHT80: 77.04 MHz
Antenna Type	<5180 MHz ~ 5240 MHz> <Ant. 4>: IFA Antenna <Ant. 3>: IFA Antenna <5260 MHz ~ 5320 MHz> <Ant. 4>: IFA Antenna <Ant. 3>: IFA Antenna <5500 MHz ~ 5720 MHz> <Ant. 4>: IFA Antenna <Ant. 3>: IFA Antenna
Antenna Gain	<5180 MHz ~ 5240 MHz> <Ant. 4>: -1.5 dBi <Ant. 3>: -3.0 dBi <5260 MHz ~ 5320 MHz> <Ant. 4>: -0.9 dBi <Ant. 3>: -3.6 dBi <5500 MHz ~ 5720 MHz> <Ant. 4>: 0 dBi <Ant. 3>: -1.3 dBi

Standards-related Product Specification			
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)		
Antenna Function Description		Ant. 4	Ant. 3
	802.11 a/n/ac	V	V
	802.11 a/n/ac MIMO	V	V

Remark:

1. MIMO Ant. 4+3 is a calculated result from sum of the power MIMO Ant. 4 and MIMO Ant. 3.
2. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

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. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH05-HY, CO05-HY, DFS02-HY

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH15-HY (TAF Code: 3786)
Remark	The Radiated test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC designation No.: TW1190 and TW0007

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. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + 3.5mm Headset + USB Cable 1 (Charging from AC Adapter 1) Mode 2 : WCDMA Band V Idle + WLAN (5GHz) Idle + Bluetooth Idle + 3.5mm Headset + USB Cable 1 (Charging from AC Adapter 1)
Remark: 1. The worst case of conducted emission is mode 1; only the test data of it was reported. 2. For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 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
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

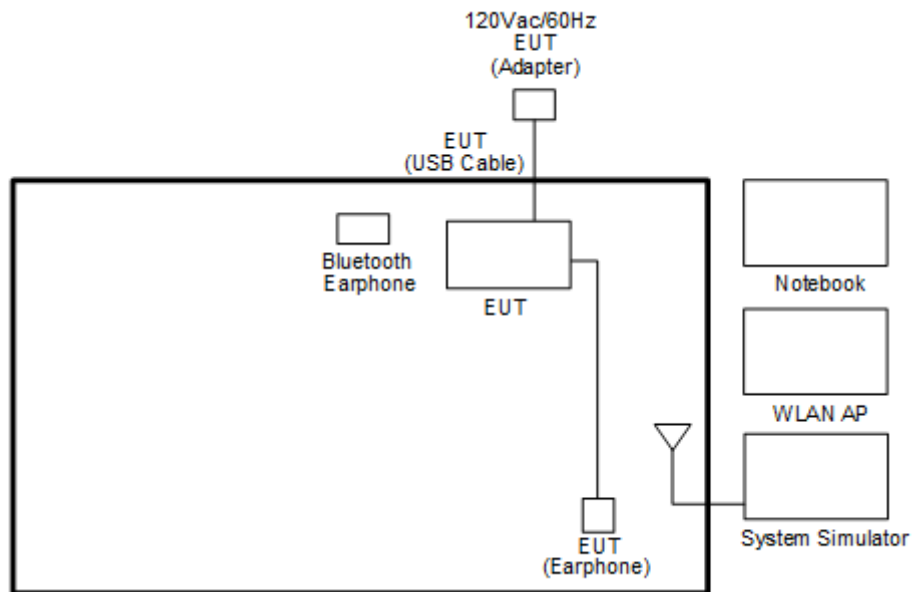
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

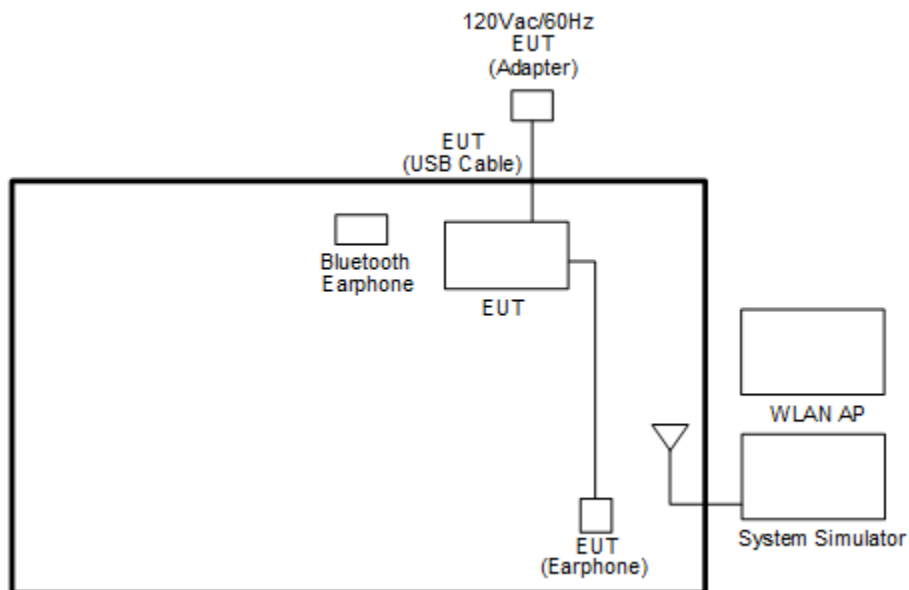
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

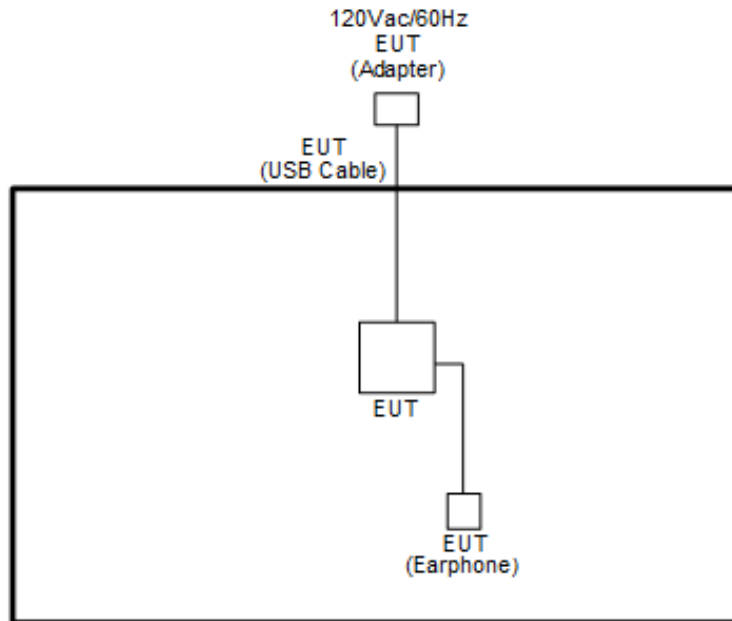
<AC Conducted Emission for WLAN Link Mode>



<AC Conducted Emission for WLAN Idle Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Wireless Earphone	Google	G1007/ G1008	A4RG1007 / A4RG1008	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



2.5 EUT Operation Test Setup

The RF test items, utility "QRCT Version V4.0.00158.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

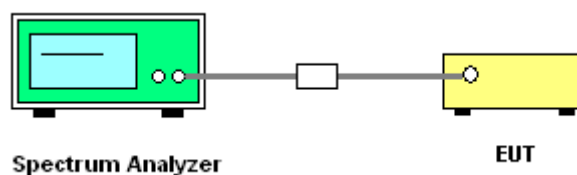
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

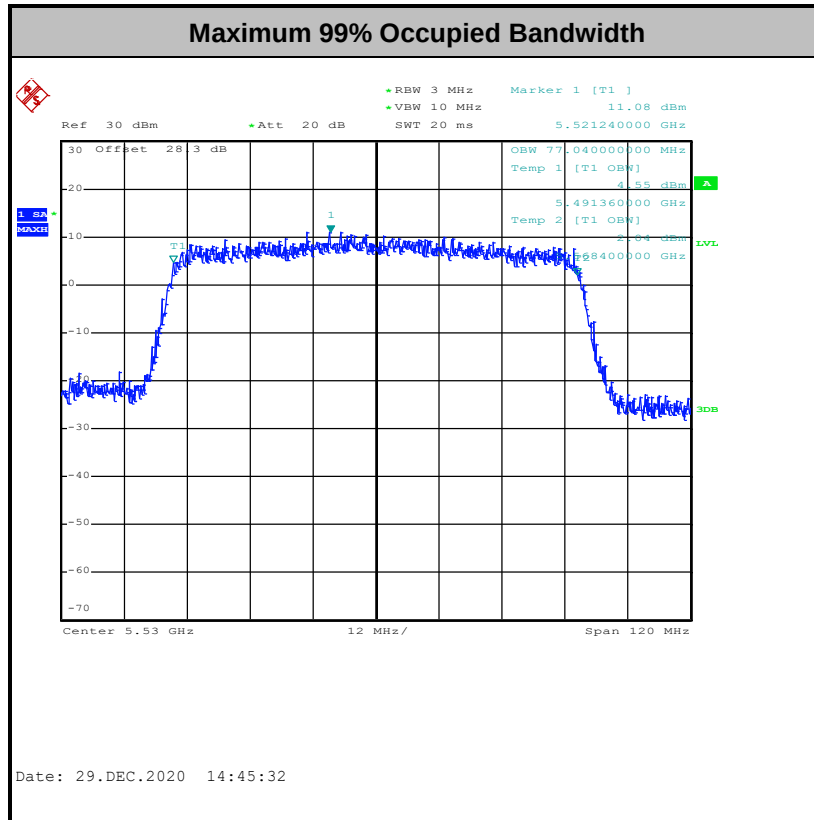
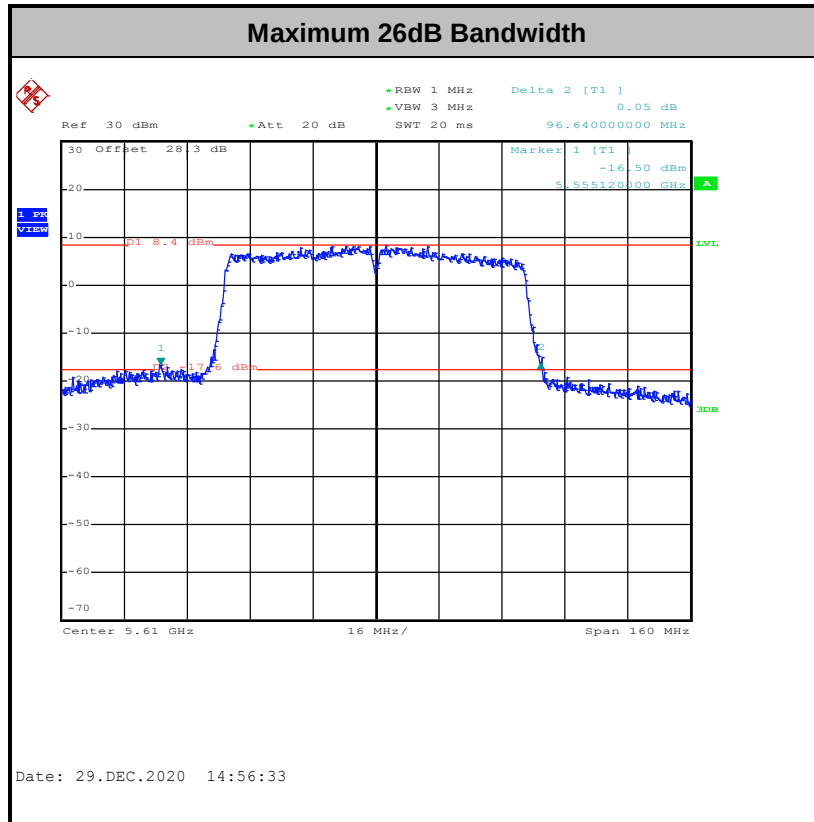
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

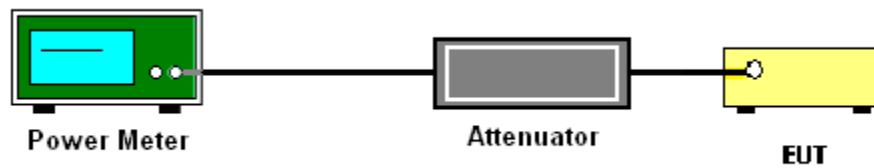
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

Method SA-3

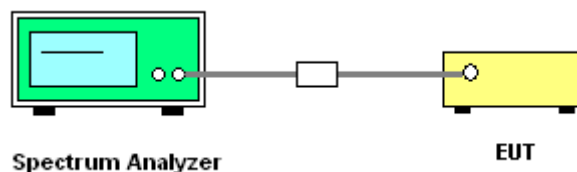
(power averaging (rms) detection with max hold):

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

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

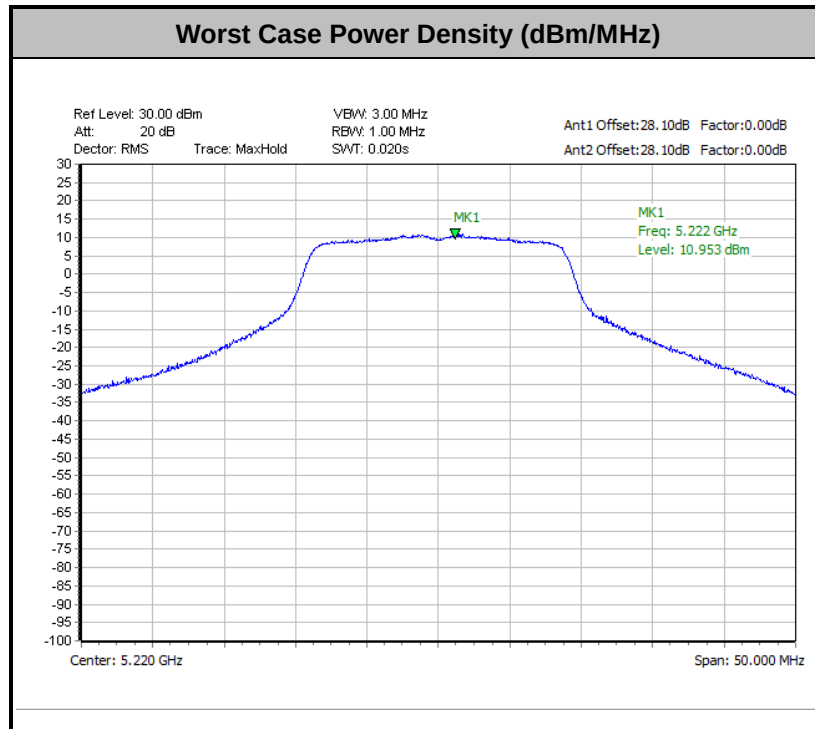
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Unwanted Emissions Measurement

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

<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.

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

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

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

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

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

3.4.1 Measuring Instruments

See list of measuring equipment of this test report.

3.4.2 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

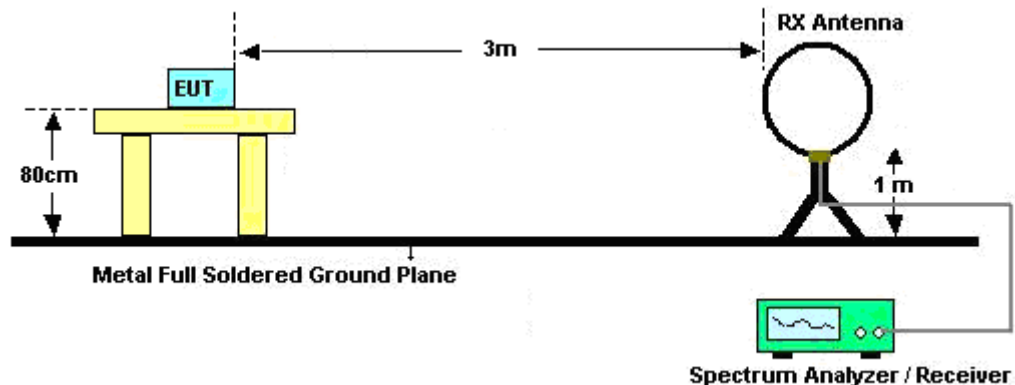
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

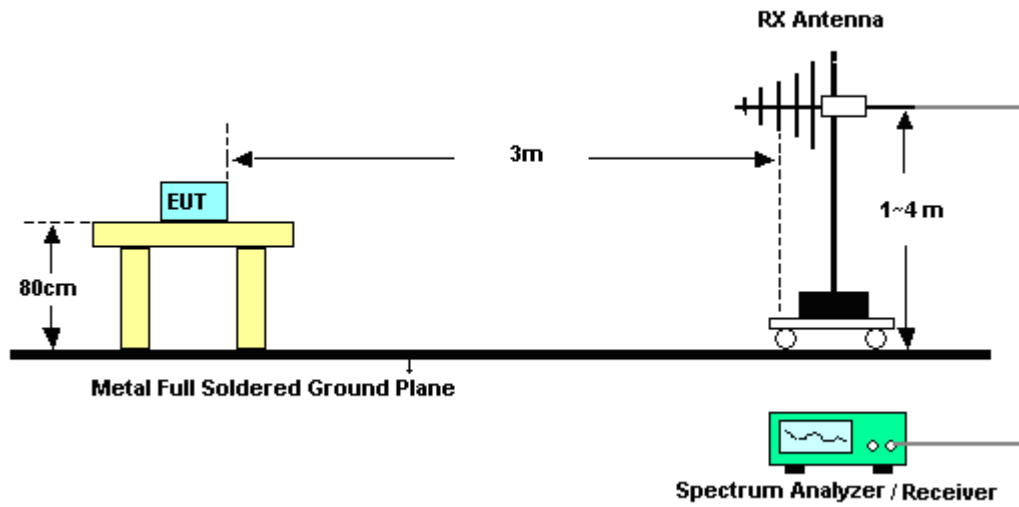
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.3 Test Setup

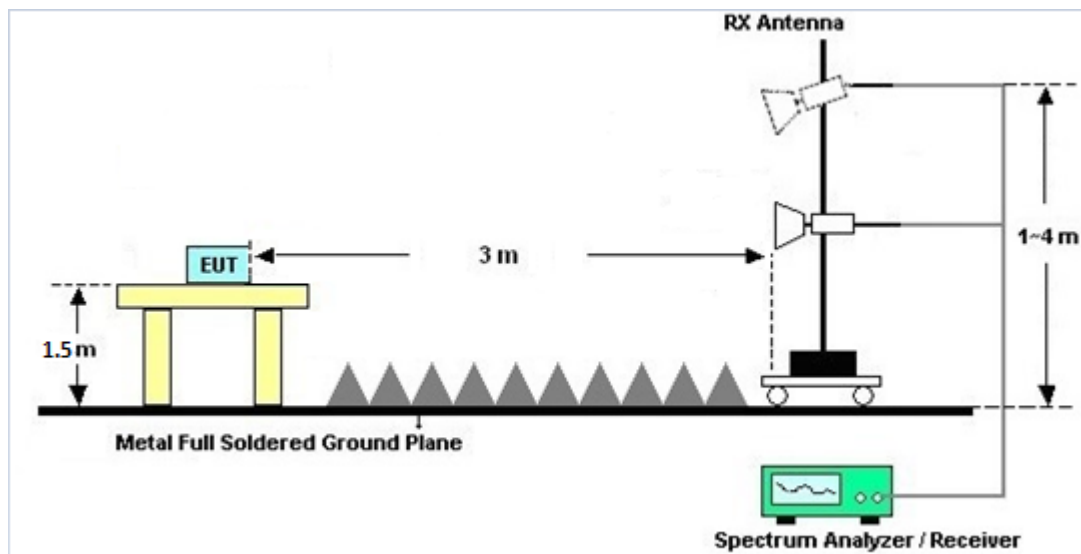
For radiated emissions below 30MHz



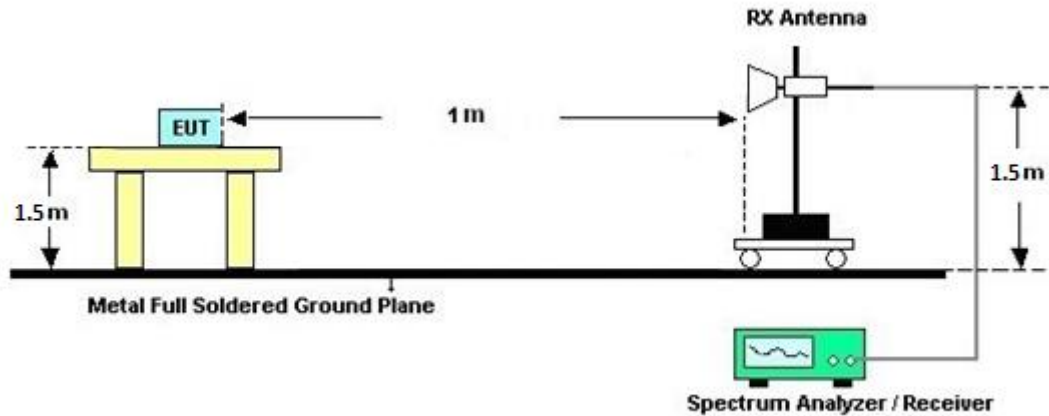
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.4 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.

3.4.5 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.6 Duty Cycle

Please refer to Appendix E.

3.4.7 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 (dBμV)	
	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.

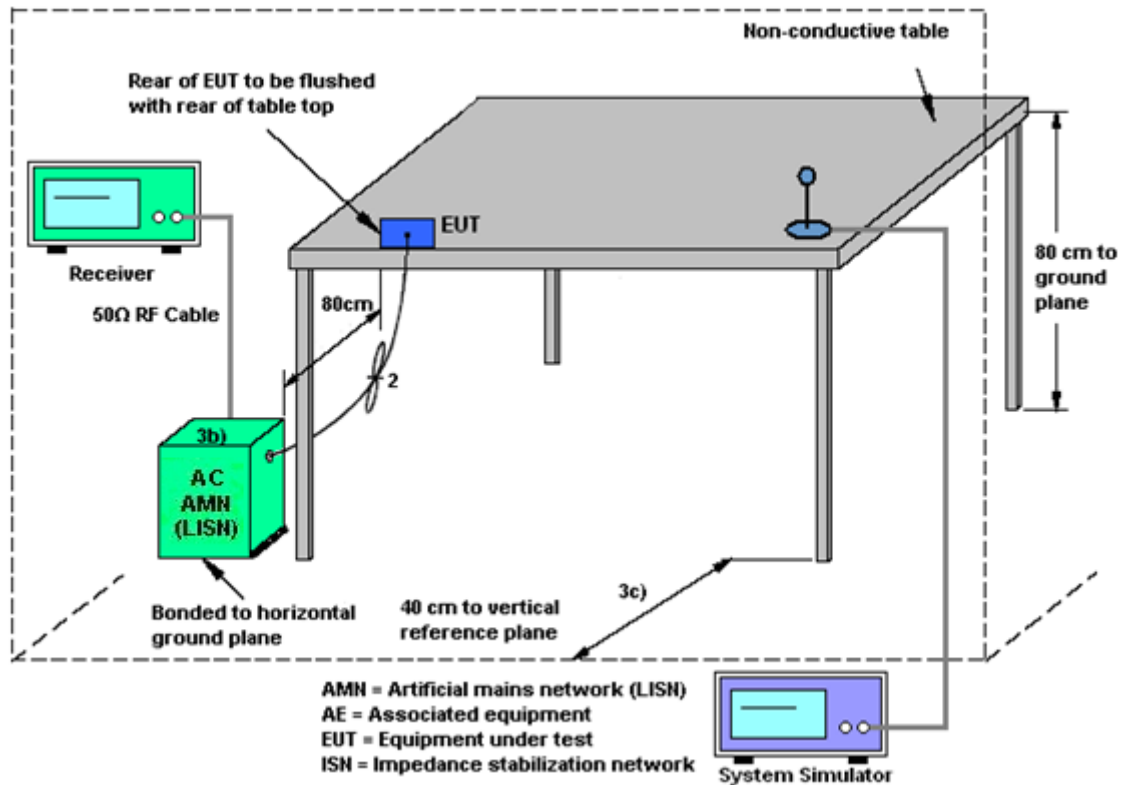
3.5.2 Measuring Instruments

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

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

A. Information start: make EUT supply information to the access point.

B. Information stop: stop supplying information to the access point.

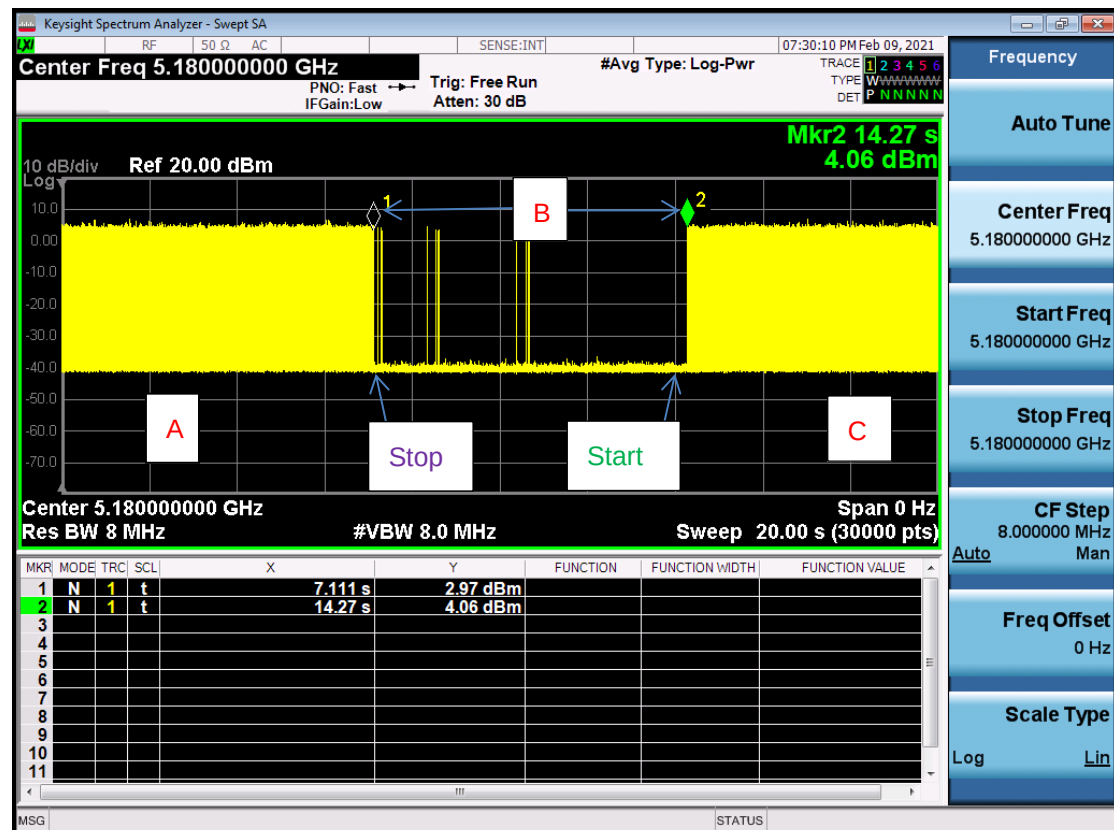
While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

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

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



5180MHz



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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

Array Gain = $10 \log(\text{NANT}/\text{NSS}=1)$ 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>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 4	Ant. 3	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-1.50	-3.00	-1.50	0.79	0.00	0.00
Band II	-0.90	-3.60	-0.90	0.86	0.00	0.00
Band III	0.00	-1.30	0.00	2.38	0.00	0.00

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

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Dec. 25, 2020~ Jan. 19, 2021	Jul. 13, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 09, 2020	Dec. 25, 2020~ Jan. 19, 2021	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 21, 2020	Dec. 25, 2020~ Jan. 19, 2021	Oct. 20, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Nov. 03, 2020	Dec. 25, 2020~ Jan. 19, 2021	Nov. 02, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Dec. 02, 2020	Dec. 25, 2020~ Jan. 19, 2021	Dec. 01, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Dec. 25, 2020~ Jan. 19, 2021	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Dec. 25, 2020~ Jan. 19, 2021	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Oct. 27, 2020	Dec. 25, 2020~ Jan. 19, 2021	Oct. 26, 2021	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Nov. 02, 2020	Dec. 25, 2020~ Jan. 19, 2021	Nov. 01, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Dec. 25, 2020~ Jan. 19, 2021	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 25, 2020~ Jan. 19, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 25, 2020~ Jan. 19, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5))	RK-000451	N/A	N/A	Dec. 25, 2020~ Jan. 19, 2021	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4P E,508405/2 E	30MHz~18G	Nov. 16, 2020	Dec. 25, 2020~ Jan. 19, 2021	Nov. 15, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Dec. 25, 2020~ Jan. 19, 2021	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Dec. 25, 2020~ Jan. 19, 2021	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4P E	9kHz~30MHz	Mar. 12, 2020	Dec. 25, 2020~ Jan. 19, 2021	Mar. 11, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 03, 2020	Dec. 25, 2020~ Jan. 19, 2021	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5 -6750-18000-4 0ST	SN6	6.75GHz High Pass Filter	Jul. 01, 2020	Dec. 25, 2020~ Jan. 19, 2021	Jun. 30, 2021	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 15, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Jan. 15, 2021	Sep. 10, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Jan. 15, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Jan. 15, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 15, 2021	N/A	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Jan. 15, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	ESHVTS 9561-F N3-Z2	109561-F N003730851	9kHz~200MHz	Nov. 02, 2020	Jan. 15, 2021	Nov. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Dec. 12, 2020~ Dec. 29, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SN O10	10MHz~6GHz	Dec. 09, 2020	Dec. 12, 2020~ Dec. 29, 2020	Dec. 08, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 03, 2020	Dec. 12, 2020~ Dec. 29, 2020	Sep. 02, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Dec. 12, 2020~ Dec. 29, 2020	Mar. 16, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Aug. 27, 2020	Feb. 09, 2021	Aug. 26, 2021	DFS (DFS02-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3
---	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9
---	-----

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21.1~23.4	°C
Test Date:	2020/12/12~2020/12/29	Relative Humidity:	54.6~57.7	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	36	5180	19.35	18.15	26.50	26.05	-	-	22.59	-	
11a	6Mbps	2	44	5220	18.60	17.60	28.10	25.55	-	-	22.46	-	
11a	6Mbps	2	48	5240	18.25	18.00	26.55	26.30	-	-	22.55	-	
HT20	MCS0	2	36	5180	18.50	18.05	26.70	27.10	-	-	22.56	-	
HT20	MCS0	2	44	5220	18.00	17.95	27.00	27.10	-	-	22.54	-	
HT20	MCS0	2	48	5240	18.05	18.00	27.10	28.25	-	-	22.55	-	
HT40	MCS0	2	38	5190	36.60	36.70	42.30	42.30	-	-	23.01	-	
HT40	MCS0	2	46	5230	36.70	36.60	42.30	42.12	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.92	76.92	83.52	83.84	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	36	5180	17.35	16.75		24.00	24.00	-1.50	-3.00		Pass
11a	6Mbps	1	44	5220	17.45	16.90		24.00	24.00	-1.50	-3.00		Pass
11a	6Mbps	1	48	5240	17.50	16.99		24.00	24.00	-1.50	-3.00		Pass
HT20	MCS0	1	36	5180	17.24	16.90		24.00	24.00	-1.50	-3.00		Pass
HT20	MCS0	1	44	5220	17.45	16.82		24.00	24.00	-1.50	-3.00		Pass
HT20	MCS0	1	48	5240	17.36	17.02		24.00	24.00	-1.50	-3.00		Pass
HT40	MCS0	1	38	5190	16.70	16.50		24.00	24.00	-1.50	-3.00		Pass
HT40	MCS0	1	46	5230	17.30	17.00		24.00	24.00	-1.50	-3.00		Pass
VHT20	MCS0	1	36	5180	17.06	16.75		24.00	24.00	-1.50	-3.00		Pass
VHT20	MCS0	1	44	5220	16.95	16.70		24.00	24.00	-1.50	-3.00		Pass
VHT20	MCS0	1	48	5240	16.93	16.90		24.00	24.00	-1.50	-3.00		Pass
VHT40	MCS0	1	38	5190	16.60	16.40		24.00	24.00	-1.50	-3.00		Pass
VHT40	MCS0	1	46	5230	17.20	16.90		24.00	24.00	-1.50	-3.00		Pass
VHT80	MCS0	1	42	5210	16.40	15.70		24.00	24.00	-1.50	-3.00		Pass

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	17.40	16.80	20.12	24.00		-1.50			Pass
11a	6Mbps	2	44	5220	17.50	16.95	20.24	24.00		-1.50			Pass
11a	6Mbps	2	48	5240	17.47	17.04	20.27	24.00		-1.50			Pass
HT20	MCS0	2	36	5180	17.30	16.92	20.12	24.00		-1.50			Pass
HT20	MCS0	2	44	5220	17.50	16.85	20.20	24.00		-1.50			Pass
HT20	MCS0	2	48	5240	17.40	17.03	20.23	24.00		-1.50			Pass
HT40	MCS0	2	38	5190	16.80	16.60	19.71	24.00		-1.50			Pass
HT40	MCS0	2	46	5230	17.50	17.10	20.31	24.00		-1.50			Pass
VHT20	MCS0	2	36	5180	17.20	16.82	20.02	24.00		-1.50			Pass
VHT20	MCS0	2	44	5220	17.10	16.77	19.95	24.00		-1.50			Pass
VHT20	MCS0	2	48	5240	17.15	16.96	20.07	24.00		-1.50			Pass
VHT40	MCS0	2	38	5190	16.70	16.50	19.61	24.00		-1.50			Pass
VHT40	MCS0	2	46	5230	17.40	17.00	20.21	24.00		-1.50			Pass
VHT80	MCS0	2	42	5210	16.50	15.80	19.17	24.00		-1.50			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	36	5180			10.77	11.00		0.79		Pass
11a	6Mbps	2	44	5220			10.81	11.00		0.79		Pass
11a	6Mbps	2	48	5240			10.57	11.00		0.79		Pass
HT20	MCS0	2	36	5180			10.78	11.00		0.79		Pass
HT20	MCS0	2	44	5220			10.95	11.00		0.79		Pass
HT20	MCS0	2	48	5240			10.75	11.00		0.79		Pass
HT40	MCS0	2	38	5190			7.02	11.00		0.79		Pass
HT40	MCS0	2	46	5230			7.98	11.00		0.79		Pass
VHT80	MCS0	2	42	5210			4.26	11.00		0.79		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	52	5260	18.25	19.00	26.45	26.15	23.61		29.61		23.98		
11a	6Mbps	2	60	5300	17.65	17.65	26.65	25.70	23.47		29.47		23.98		
11a	6Mbps	2	64	5320	17.20	17.10	26.80	27.10	23.33		29.33		23.98		
HT20	MCS0	2	52	5260	18.00	18.05	26.85	27.70	23.55		29.55		23.98		
HT20	MCS0	2	60	5300	18.05	18.00	27.05	26.75	23.55		29.55		23.98		
HT20	MCS0	2	64	5320	18.00	18.05	27.40	27.70	23.55		29.55		23.98		
HT40	MCS0	2	54	5270	36.70	36.60	42.12	42.12	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.70	36.60	41.94	42.12	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.80	76.92	83.68	83.52	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	52	5260	16.70	16.50		23.98	23.98	-0.90	-3.60	30	Pass
11a	6Mbps	1	60	5300	16.60	16.30		23.98	23.98	-0.90	-3.60	30	Pass
11a	6Mbps	1	64	5320	16.60	16.40		23.98	23.98	-0.90	-3.60	30	Pass
HT20	MCS0	1	52	5260	16.60	16.50		23.98	23.98	-0.90	-3.60	30	Pass
HT20	MCS0	1	60	5300	16.50	16.80		23.98	23.98	-0.90	-3.60	30	Pass
HT20	MCS0	1	64	5320	16.60	16.70		23.98	23.98	-0.90	-3.60	30	Pass
HT40	MCS0	1	54	5270	17.30	17.30		23.98	23.98	-0.90	-3.60	30	Pass
HT40	MCS0	1	62	5310	16.70	16.20		23.98	23.98	-0.90	-3.60	30	Pass
VHT20	MCS0	1	52	5260	16.50	16.40		23.98	23.98	-0.90	-3.60	30	Pass
VHT20	MCS0	1	60	5300	16.40	16.70		23.98	23.98	-0.90	-3.60	30	Pass
VHT20	MCS0	1	64	5320	16.50	16.60		23.98	23.98	-0.90	-3.60	30	Pass
VHT40	MCS0	1	54	5270	17.20	17.20		23.98	23.98	-0.90	-3.60	30	Pass
VHT40	MCS0	1	62	5310	16.60	16.10		23.98	23.98	-0.90	-3.60	30	Pass
VHT80	MCS0	1	58	5290	15.70	15.30		23.98	23.98	-0.90	-3.60	30	Pass

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	16.80	16.70	19.76	23.98		-0.90		30	Pass
11a	6Mbps	2	60	5300	16.90	16.50	19.71	23.98		-0.90		30	Pass
11a	6Mbps	2	64	5320	16.70	16.60	19.66	23.98		-0.90		30	Pass
HT20	MCS0	2	52	5260	16.70	16.60	19.66	23.98		-0.90		30	Pass
HT20	MCS0	2	60	5300	16.80	17.00	19.91	23.98		-0.90		30	Pass
HT20	MCS0	2	64	5320	16.70	16.80	19.76	23.98		-0.90		30	Pass
HT40	MCS0	2	54	5270	17.50	17.40	20.46	23.98		-0.90		30	Pass
HT40	MCS0	2	62	5310	16.90	16.30	19.62	23.98		-0.90		30	Pass
VHT20	MCS0	2	52	5260	16.60	16.50	19.56	23.98		-0.90		30	Pass
VHT20	MCS0	2	60	5300	16.70	17.00	19.86	23.98		-0.90		30	Pass
VHT20	MCS0	2	64	5320	16.60	16.70	19.66	23.98		-0.90		30	Pass
VHT40	MCS0	2	54	5270	17.40	17.30	20.36	23.98		-0.90		30	Pass
VHT40	MCS0	2	62	5310	16.80	16.20	19.52	23.98		-0.90		30	Pass
VHT80	MCS0	2	58	5290	15.90	15.50	18.71	23.98		-0.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260			8.82	11.00	0.86				Pass
11a	6Mbps	2	60	5300			8.51	11.00	0.86				Pass
11a	6Mbps	2	64	5320			8.83	11.00	0.86				Pass
HT20	MCS0	2	52	5260			8.57	11.00	0.86				Pass
HT20	MCS0	2	60	5300			8.73	11.00	0.86				Pass
HT20	MCS0	2	64	5320			8.63	11.00	0.86				Pass
HT40	MCS0	2	54	5270			6.13	11.00	0.86				Pass
HT40	MCS0	2	62	5310			5.48	11.00	0.86				Pass
VHT80	MCS0	2	58	5290			1.54	11.00	0.86				Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	N _{TX}	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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	100	5500	17.05	17.75	26.35	27.40	23.32		29.32		23.98		----	----
11a	6Mbps	2	116	5580	18.05	20.10	26.25	27.40	23.56		29.56		23.98		----	----
11a	6Mbps	2	140	5700	17.30	17.40	26.55	27.90	23.38		29.38		23.98		----	----
HT20	MCS0	2	100	5500	18.00	18.05	26.45	27.70	23.55		29.55		23.98		----	----
HT20	MCS0	2	116	5580	18.05	18.15	26.75	30.10	23.56		29.56		23.98		----	----
HT20	MCS0	2	140	5700	18.00	18.10	28.30	30.00	23.55		29.55		23.98		----	----
HT40	MCS0	2	102	5510	36.50	36.60	41.76	41.94	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.60	36.70	42.12	45.45	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.70	36.80	42.75	62.46	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	77.04	77.04	82.88	83.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.92	77.04	83.84	96.64	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																
Mod.	Data Rate	N _{Tx}	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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	144	5720	20.30	21.10	27.05	28.20	23.98		30.00		23.98		2.7	3.1
HT20	MCS0	2	144	5720	18.05	18.15	29.70	28.90	23.56		29.56		23.98		2.5	3.1
HT40	MCS0	2	142	5710	36.70	36.80	42.12	57.60	23.98		30.00		23.98		2.46	2.46
VHT80	MCS0	2	138	5690	73.64	73.64	89.08	96.12	23.98		30.00		23.98		2.56	2.44

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	100	5500	16.50	16.60		23.98	23.98	0.00	-1.30	30	Pass
11a	6Mbps	1	116	5580	16.30	16.20		23.98	23.98	0.00	-1.30	30	Pass
11a	6Mbps	1	140	5700	16.80	16.60		23.98	23.98	0.00	-1.30	30	Pass
HT20	MCS0	1	100	5500	16.70	16.60		23.98	23.98	0.00	-1.30	30	Pass
HT20	MCS0	1	116	5580	17.00	16.30		23.98	23.98	0.00	-1.30	30	Pass
HT20	MCS0	1	140	5700	16.70	16.50		23.98	23.98	0.00	-1.30	30	Pass
HT40	MCS0	1	102	5510	15.80	15.40		23.98	23.98	0.00	-1.30	30	Pass
HT40	MCS0	1	110	5550	17.20	16.80		23.98	23.98	0.00	-1.30	30	Pass
HT40	MCS0	1	134	5670	17.40	16.90		23.98	23.98	0.00	-1.30	30	Pass
VHT20	MCS0	1	100	5500	16.60	16.50		23.98	23.98	0.00	-1.30	30	Pass
VHT20	MCS0	1	116	5580	16.90	16.20		23.98	23.98	0.00	-1.30	30	Pass
VHT20	MCS0	1	140	5700	16.60	16.40		23.98	23.98	0.00	-1.30	30	Pass
VHT40	MCS0	1	102	5510	15.70	15.30		23.98	23.98	0.00	-1.30	30	Pass
VHT40	MCS0	1	110	5550	17.10	16.70		23.98	23.98	0.00	-1.30	30	Pass
VHT40	MCS0	1	134	5670	17.30	16.80		23.98	23.98	0.00	-1.30	30	Pass
VHT80	MCS0	1	106	5530	14.10	14.00		23.98	23.98	0.00	-1.30	30	Pass
VHT80	MCS0	1	122	5610	16.80	16.50		23.98	23.98	0.00	-1.30	30	Pass

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500	16.60	16.80	19.71	23.98		0.00		30	Pass
11a	6Mbps	2	116	5580	16.40	16.30	19.36	23.98		0.00		30	Pass
11a	6Mbps	2	140	5700	16.90	16.70	19.81	23.98		0.00		30	Pass
HT20	MCS0	2	100	5500	16.80	16.70	19.76	23.98		0.00		30	Pass
HT20	MCS0	2	116	5580	17.10	16.50	19.82	23.98		0.00		30	Pass
HT20	MCS0	2	140	5700	16.80	16.60	19.71	23.98		0.00		30	Pass
HT40	MCS0	2	102	5510	15.90	15.70	18.81	23.98		0.00		30	Pass
HT40	MCS0	2	110	5550	17.40	17.00	20.21	23.98		0.00		30	Pass
HT40	MCS0	2	134	5670	17.80	17.10	20.47	23.98		0.00		30	Pass
VHT20	MCS0	2	100	5500	16.70	16.60	19.66	23.98		0.00		30	Pass
VHT20	MCS0	2	116	5580	17.00	16.40	19.72	23.98		0.00		30	Pass
VHT20	MCS0	2	140	5700	16.70	16.50	19.61	23.98		0.00		30	Pass
VHT40	MCS0	2	102	5510	15.80	15.60	18.71	23.98		0.00		30	Pass
VHT40	MCS0	2	110	5550	17.30	16.90	20.11	23.98		0.00		30	Pass
VHT40	MCS0	2	134	5670	17.70	17.00	20.37	23.98		0.00		30	Pass
VHT80	MCS0	2	106	5530	14.20	14.30	17.26	23.98		0.00		30	Pass
VHT80	MCS0	2	122	5610	16.90	16.60	19.76	23.98		0.00		30	Pass

FCC Band III straddle channel single antenna													
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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	144	5720	16.70	16.40		23.98	23.98	0.00	-1.30	30	Pass
HT20	MCS0	1	144	5720	16.60	16.40		23.98	23.98	0.00	-1.30	30	Pass
HT40	MCS0	1	142	5710	17.00	16.90		23.98	23.98	0.00	-1.30	30	Pass
VHT20	MCS0	1	144	5720	16.50	16.30		23.98	23.98	0.00	-1.30	30	Pass
VHT40	MCS0	1	142	5710	16.90	16.80		23.98	23.98	0.00	-1.30	30	Pass
VHT80	MCS0	1	138	5690	16.70	16.40		23.98	23.98	0.00	-1.30	30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720	16.80	16.50	19.66	23.98		0.00		30	Pass
HT20	MCS0	2	144	5720	16.90	16.60	19.76	23.98		0.00		30	Pass
HT40	MCS0	2	142	5710	17.30	17.10	20.21	23.98		0.00		30	Pass
VHT20	MCS0	2	144	5720	16.80	16.50	19.66	23.98		0.00		30	Pass
VHT40	MCS0	2	142	5710	17.20	17.00	20.11	23.98		0.00		30	Pass
VHT80	MCS0	2	138	5690	17.00	16.50	19.77	23.98		0.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	100	5500			8.89	11.00		2.38		Pass
11a	6Mbps	2	116	5580			8.52	11.00		2.38		Pass
11a	6Mbps	2	140	5700			8.79	11.00		2.38		Pass
HT20	MCS0	2	100	5500			8.91	11.00		2.38		Pass
HT20	MCS0	2	116	5580			8.95	11.00		2.38		Pass
HT20	MCS0	2	140	5700			8.87	11.00		2.38		Pass
HT40	MCS0	2	102	5510			5.06	11.00		2.38		Pass
HT40	MCS0	2	110	5550			5.56	11.00		2.38		Pass
HT40	MCS0	2	134	5670			7.64	11.00		2.38		Pass
VHT80	MCS0	2	106	5530			0.62	11.00		2.38		Pass
VHT80	MCS0	2	122	5610			2.31	11.00		2.38		Pass

Band III straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	144	5720			8.60	11.00		2.38		Pass
HT20	MCS0	2	144	5720			8.58	11.00		2.38		Pass
HT40	MCS0	2	142	5710			5.49	11.00		2.38		Pass
VHT80	MCS0	2	138	5690			2.18	11.00		2.38		Pass



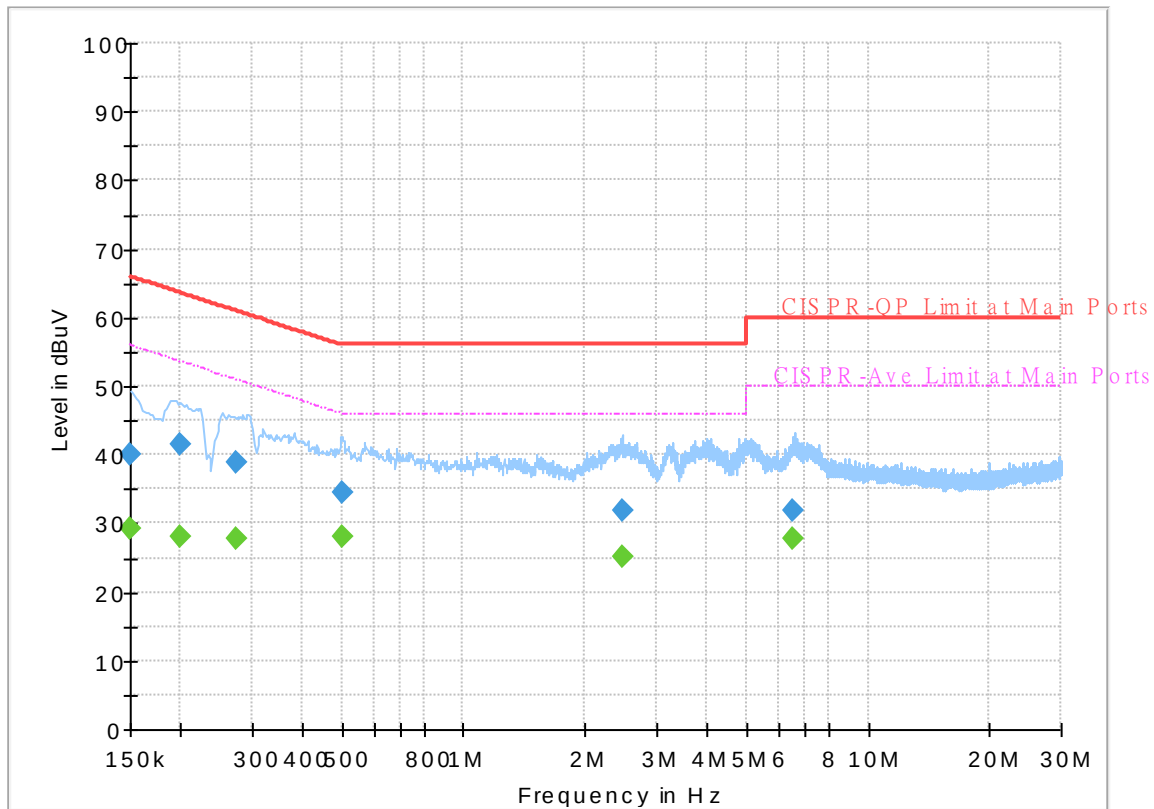
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 093032-02
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



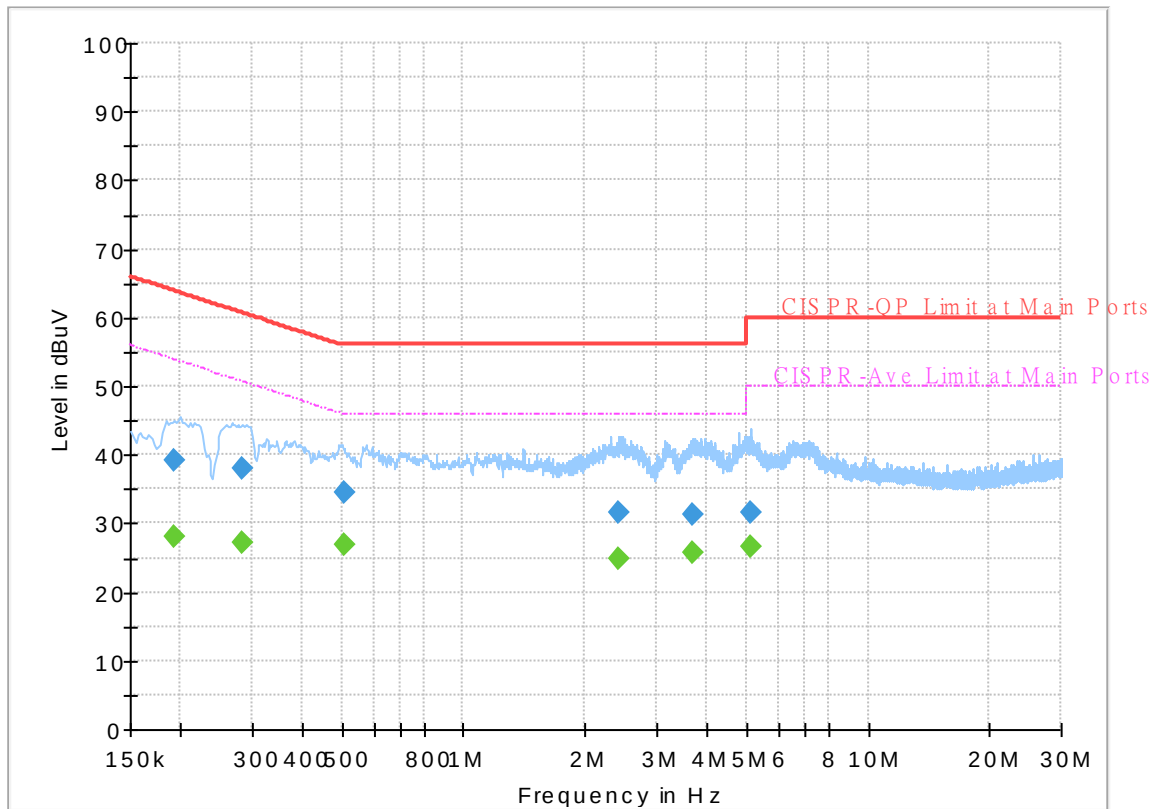
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	29.35	56.00	26.65	L1	OFF	19.7
0.150000	40.18	---	66.00	25.82	L1	OFF	19.7
0.199500	---	27.96	53.63	25.67	L1	OFF	19.7
0.199500	41.42	---	63.63	22.21	L1	OFF	19.7
0.272850	---	27.87	51.03	23.16	L1	OFF	19.7
0.272850	38.98	---	61.03	22.05	L1	OFF	19.7
0.500280	---	28.03	46.00	17.97	L1	OFF	19.9
0.500280	34.55	---	56.00	21.45	L1	OFF	19.9
2.463180	---	25.03	46.00	20.97	L1	OFF	20.2
2.463180	31.86	---	56.00	24.14	L1	OFF	20.2
6.490500	---	27.72	50.00	22.28	L1	OFF	20.1
6.490500	31.91	---	60.00	28.09	L1	OFF	20.1

EUT Information

Report NO : 093032-02
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)
0.192750	---	27.96	53.92	25.96	N	OFF	19.7
0.192750	39.14	---	63.92	24.78	N	OFF	19.7
0.282750	---	27.09	50.74	23.65	N	OFF	19.8
0.282750	37.95	---	60.74	22.79	N	OFF	19.8
0.504780	---	26.78	46.00	19.22	N	OFF	19.9
0.504780	34.51	---	56.00	21.49	N	OFF	19.9
2.418180	---	24.91	46.00	21.09	N	OFF	20.2
2.418180	31.63	---	56.00	24.37	N	OFF	20.2
3.696270	---	25.80	46.00	20.20	N	OFF	20.1
3.696270	31.33	---	56.00	24.67	N	OFF	20.1
5.157060	---	26.55	50.00	23.45	N	OFF	20.1
5.157060	31.57	---	60.00	28.43	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou, and Bigshow Wang	Temperature :	20.1~26.1°C
		Relative Humidity :	46~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5145.08	61.67	-12.33	74	49.89	31.8	9.99	30.01	100	141	P	H
		5150	51.42	-2.58	54	39.63	31.8	10	30.01	100	141	A	H
	*	5180	110.79	-	-	99.15	31.62	10.03	30.01	100	141	P	H
	*	5180	102.94	-	-	91.3	31.62	10.03	30.01	100	141	A	H
													H
		5108.42	51.98	-22.02	74	40.24	31.8	9.95	30.01	375	358	P	V
		5150	42.71	-11.29	54	30.92	31.8	10	30.01	375	358	A	V
	*	5180	102	-	-	90.36	31.62	10.03	30.01	375	358	P	V
	*	5180	93.82	-	-	82.18	31.62	10.03	30.01	375	358	A	V
													V
802.11a CH 44 5220MHz		5024.7	51.31	-22.69	74	39.96	31.5	9.87	30.02	100	185	P	H
		5148.98	41.41	-12.59	54	29.62	31.8	10	30.01	100	185	A	H
	*	5220	112.62	-	-	101.18	31.38	10.07	30.01	100	185	P	H
	*	5220	104.3	-	-	92.86	31.38	10.07	30.01	100	185	A	H
		5444.04	50.56	-23.44	74	38.72	31.58	10.25	29.99	100	185	P	H
		5452.44	40.64	-13.36	54	28.78	31.6	10.25	29.99	100	185	A	H
		5139.36	51.71	-22.29	74	39.93	31.8	9.99	30.01	398	249	P	V
		5149.76	40.94	-13.06	54	29.15	31.8	10	30.01	398	249	A	V
	*	5220	110.66	-	-	99.22	31.38	10.07	30.01	398	249	P	V
	*	5220	102.97	-	-	91.53	31.38	10.07	30.01	398	249	A	V
		5449.36	50.1	-23.9	74	38.24	31.6	10.25	29.99	398	249	P	V
		5459.72	40.59	-13.41	54	28.72	31.6	10.26	29.99	398	249	A	V



802.11a CH 48 5240MHz		5040.82	51.37	-22.63	74	39.88	31.63	9.88	30.02	100	185	P	H
		5149.5	40.95	-13.05	54	29.16	31.8	10	30.01	100	185	A	H
	*	5240	112.05	-	-	100.72	31.26	10.08	30.01	100	185	P	H
	*	5240	104.07	-	-	92.74	31.26	10.08	30.01	100	185	A	H
		5449.92	50.85	-23.15	74	38.99	31.6	10.25	29.99	100	185	P	H
		5453.28	40.6	-13.4	54	28.73	31.6	10.26	29.99	100	185	A	H
		5098.28	51.34	-22.66	74	39.61	31.8	9.94	30.01	394	245	P	V
		5129.22	40.84	-13.16	54	29.07	31.8	9.98	30.01	394	245	A	V
	*	5240	110.19	-	-	98.86	31.26	10.08	30.01	394	245	P	V
	*	5240	102.54	-	-	91.21	31.26	10.08	30.01	394	245	A	V
		5409.6	50.42	-23.58	74	38.76	31.44	10.22	30	394	245	P	V
		5453.84	40.57	-13.43	54	28.7	31.6	10.26	29.99	394	245	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. 4+3	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	48.54	-19.66	68.2	55.54	39.44	14.46	60.9	100	0	P	H
		15540	47.85	-26.15	74	55.45	37.82	17.29	62.71	100	0	P	H
		18000	60.27	-13.73	74	50.13	49	19.04	57.9	200	124	P	H
		18000	49.17	-4.83	54	39.03	49	19.04	57.9	200	124	A	H
		10360	48.09	-20.11	68.2	55.09	39.44	14.46	60.9	100	0	P	V
		15540	46.88	-27.12	74	54.48	37.82	17.29	62.71	100	0	P	V
		17978	60.4	-13.6	74	50.7	48.6	19.03	57.93	100	58	P	V
		17978	48.3	-5.7	54	38.6	48.6	19.03	57.93	100	58	A	V
802.11a CH 44 5220MHz		10440	48.39	-19.81	68.2	55.27	39.64	14.5	61.02	100	0	P	H
		15660	47	-27	74	54.25	37.52	17.36	62.13	100	0	P	H
		18000	59.82	-14.18	74	49.68	49	19.04	57.9	200	124	P	H
		18000	48.72	-5.28	54	38.58	49	19.04	57.9	200	124	A	H
		10440	47.67	-20.53	68.2	54.55	39.64	14.5	61.02	100	0	P	V
		15660	48.36	-25.64	74	55.61	37.52	17.36	62.13	100	0	P	V
		18000	60.56	-13.44	74	50.42	49	19.04	57.9	100	58	P	V
		18000	49.46	-4.54	54	39.32	49	19.04	57.9	100	58	A	V
802.11a CH 48 5240MHz		10480	48.2	-20	68.2	55.07	39.68	14.52	61.07	100	0	P	H
		15720	46.4	-27.6	74	53.5	37.34	17.4	61.84	100	0	P	H
		17978	59.5	-14.5	74	49.8	48.6	19.03	57.93	200	124	P	H
		17978	48.6	-5.4	54	38.9	48.6	19.03	57.93	200	124	A	H
		10480	47.6	-20.6	68.2	54.47	39.68	14.52	61.07	100	0	P	V
		15720	46.8	-27.2	74	53.9	37.34	17.4	61.84	100	0	P	V
		18000	60.63	-13.37	74	50.49	49	19.04	57.9	100	58	P	V
		18000	49.53	-4.47	54	39.39	49	19.04	57.9	100	58	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 36 5180MHz		5141.18	61.83	-12.17	74	50.05	31.8	9.99	30.01	100	219	P	H
		5142.22	50.3	-3.7	54	38.52	31.8	9.99	30.01	100	219	A	H
	*	5180	111.68	-	-	100.04	31.62	10.03	30.01	100	219	P	H
	*	5180	104.21	-	-	92.57	31.62	10.03	30.01	100	219	A	H
													H
													H
		5148.72	60.21	-13.79	74	48.42	31.8	10	30.01	383	247	P	V
		5150	50.98	-3.02	54	39.19	31.8	10	30.01	383	247	A	V
	*	5180	110.68	-	-	99.04	31.62	10.03	30.01	383	247	P	V
	*	5180	102.17	-	-	90.53	31.62	10.03	30.01	383	247	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5146.12	51.93	-22.07	74	40.15	31.8	9.99	30.01	100	144	P	H
		5149.76	42.46	-11.54	54	30.67	31.8	10	30.01	100	144	A	H
	*	5220	113.76	-	-	102.32	31.38	10.07	30.01	100	144	P	H
	*	5220	105.42	-	-	93.98	31.38	10.07	30.01	100	144	A	H
		5381.6	51.59	-22.41	74	40.1	31.29	10.2	30	100	144	P	H
		5439.28	41.63	-12.37	54	29.82	31.56	10.24	29.99	100	144	A	H
		5075.66	51.8	-22.2	74	40.15	31.75	9.92	30.02	400	326	P	V
		5131.82	41.7	-12.3	54	29.93	31.8	9.98	30.01	400	326	A	V
	*	5220	108.4	-	-	96.96	31.38	10.07	30.01	400	326	P	V
	*	5220	100.8	-	-	89.36	31.38	10.07	30.01	400	326	A	V
		5438.16	52.02	-21.98	74	40.22	31.55	10.24	29.99	400	326	P	V
		5441.8	41.58	-12.42	54	29.75	31.57	10.25	29.99	400	326	A	V



802.11n HT20 CH 48 5240MHz		5140.14	52.4	-21.6	74	40.62	31.8	9.99	30.01	100	219	P	H
		5148.2	42.02	-11.98	54	30.23	31.8	10	30.01	100	219	A	H
	*	5240	111.87	-	-	100.54	31.26	10.08	30.01	100	219	P	H
	*	5240	103.99	-	-	92.66	31.26	10.08	30.01	100	219	A	H
		5439.56	51.6	-22.4	74	39.79	31.56	10.24	29.99	100	219	P	H
		5442.36	41.83	-12.17	54	30	31.57	10.25	29.99	100	219	A	H
		5050.44	52.71	-21.29	74	41.14	31.7	9.89	30.02	400	246	P	V
		5105.3	41.85	-12.15	54	30.11	31.8	9.95	30.01	400	246	A	V
	*	5240	109.28	-	-	97.95	31.26	10.08	30.01	400	246	P	V
	*	5240	100.99	-	-	89.66	31.26	10.08	30.01	400	246	A	V
		5407.08	52.19	-21.81	74	40.54	31.43	10.22	30	400	246	P	V
		5458.04	41.54	-12.46	54	29.67	31.6	10.26	29.99	400	246	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 36 5180MHz		10360	47.48	-20.72	68.2	54.48	39.44	14.46	60.9	100	0	P	H
		15540	47.07	-26.93	74	54.67	37.82	17.29	62.71	100	0	P	H
		17989	59.99	-14.01	74	50.07	48.8	19.03	57.91	200	124	P	H
		17989	48.08	-5.92	54	38.16	48.8	19.03	57.91	200	124	A	H
		10360	48.32	-19.88	68.2	55.32	39.44	14.46	60.9	100	0	P	V
		15540	47.41	-26.59	74	55.01	37.82	17.29	62.71	100	0	P	V
		18000	60.61	-13.39	74	50.47	49	19.04	57.9	100	58	P	V
		18000	48.52	-5.48	54	38.38	49	19.04	57.9	100	58	A	V
802.11n HT20 CH 44 5220MHz		10440	47.73	-20.47	68.2	54.61	39.64	14.5	61.02	100	0	P	H
		15660	46.99	-27.01	74	54.24	37.52	17.36	62.13	100	0	P	H
		17978	59.98	-14.02	74	50.28	48.6	19.03	57.93	200	124	P	H
		17978	48.07	-5.93	54	38.37	48.6	19.03	57.93	200	124	A	H
		10440	47.24	-20.96	68.2	54.12	39.64	14.5	61.02	100	0	P	V
		15660	46.86	-27.14	74	54.11	37.52	17.36	62.13	100	0	P	V
		18000	60.19	-13.81	74	50.05	49	19.04	57.9	100	58	P	V
		18000	50.33	-3.67	54	40.19	49	19.04	57.9	100	58	A	V
802.11n HT20 CH 48 5240MHz		10480	47.59	-20.61	68.2	54.46	39.68	14.52	61.07	100	0	P	H
		15720	45.97	-28.03	74	53.07	37.34	17.4	61.84	100	0	P	H
		18000	60.45	-13.55	74	50.31	49	19.04	57.9	200	124	P	H
		18000	50.36	-3.64	54	40.22	49	19.04	57.9	200	124	A	H
		10480	47.4	-20.8	68.2	54.27	39.68	14.52	61.07	100	0	P	V
		15720	46.8	-27.2	74	53.9	37.34	17.4	61.84	100	0	P	V
		17978	59.99	-14.01	74	50.29	48.6	19.03	57.93	100	58	P	V
		17978	50.08	-3.92	54	40.38	48.6	19.03	57.93	100	58	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 38 5190MHz		5149.76	57.85	-16.15	74	46.06	31.8	10	30.01	100	185	P	H
		5147.94	49.68	-4.32	54	37.89	31.8	10	30.01	100	185	A	H
	*	5190	107.31	-	-	95.72	31.56	10.04	30.01	100	185	P	H
	*	5190	99.83	-	-	88.24	31.56	10.04	30.01	100	185	A	H
		5431.16	50.65	-23.35	74	38.88	31.52	10.24	29.99	100	185	P	H
		5441.8	42.48	-11.52	54	30.65	31.57	10.25	29.99	100	185	A	H
		5146.9	53.78	-20.22	74	42	31.8	9.99	30.01	400	315	P	V
		5149.24	45.94	-8.06	54	34.15	31.8	10	30.01	400	315	A	V
	*	5190	104.82	-	-	93.23	31.56	10.04	30.01	400	315	P	V
	*	5190	97.46	-	-	85.87	31.56	10.04	30.01	400	315	A	V
		5446.28	50.5	-23.5	74	38.65	31.59	10.25	29.99	400	315	P	V
		5452.44	42.15	-11.85	54	30.29	31.6	10.25	29.99	400	315	A	V
802.11n HT40 CH 46 5230MHz		5149.24	51.86	-22.14	74	40.07	31.8	10	30.01	100	183	P	H
		5149.5	44.94	-9.06	54	33.15	31.8	10	30.01	100	183	A	H
	*	5230	107.58	-	-	96.2	31.32	10.07	30.01	100	183	P	H
	*	5230	100.52	-	-	89.14	31.32	10.07	30.01	100	183	A	H
		5351.92	51.66	-22.34	74	40.38	31.11	10.17	30	100	183	P	H
		5414.36	42.37	-11.63	54	30.69	31.46	10.22	30	100	183	A	H
		5147.68	53.25	-20.75	74	41.46	31.8	10	30.01	392	246	P	V
		5147.68	44.21	-9.79	54	32.42	31.8	10	30.01	392	246	A	V
	*	5230	106.71	-	-	95.33	31.32	10.07	30.01	392	246	P	V
	*	5230	99.23	-	-	87.85	31.32	10.07	30.01	392	246	A	V
		5404	50.38	-23.62	74	38.75	31.42	10.21	30	392	246	P	V
		5429.76	42.19	-11.81	54	30.42	31.52	10.24	29.99	392	246	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 38 5190MHz		10380	47.16	-21.04	68.2	54.1	39.52	14.47	60.93	100	0	P	H
		15570	47.18	-26.82	74	54.68	37.76	17.3	62.56	100	0	P	H
		18000	59.89	-14.11	74	49.75	49	19.04	57.9	200	124	P	H
		18000	50.46	-3.54	54	40.32	49	19.04	57.9	200	124	A	H
		10380	47.68	-20.52	68.2	54.62	39.52	14.47	60.93	100	0	P	V
		15570	47.31	-26.69	74	54.81	37.76	17.3	62.56	100	0	P	V
		17978	59.43	-14.57	74	49.73	48.6	19.03	57.93	100	58	P	V
		17978	50.27	-3.73	54	40.57	48.6	19.03	57.93	100	58	A	V
802.11n HT40 CH 46 5230MHz		10460	47.79	-20.41	68.2	54.66	39.66	14.51	61.04	100	0	P	H
		15690	47.61	-26.39	74	54.79	37.43	17.38	61.99	100	0	P	H
		17989	60.79	-13.21	74	50.87	48.8	19.03	57.91	200	134	P	H
		17989	50.59	-3.41	54	40.67	48.8	19.03	57.91	200	134	A	H
		10460	48.18	-20.02	68.2	55.05	39.66	14.51	61.04	100	0	P	V
		15690	46.85	-27.15	74	54.03	37.43	17.38	61.99	100	0	P	V
		18000	60.81	-13.19	74	50.67	49	19.04	57.9	100	67	P	V
		18000	50.47	-3.53	54	40.33	49	19.04	57.9	100	67	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 (Band Edge @ 3m)

WIFI Ant. 4+3	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		5118.04	60.9	-13.1	74	49.15	31.8	9.96	30.01	100	184	P	H
		5150	51.93	-2.07	54	40.14	31.8	10	30.01	100	184	A	H
	*	5210	104	-	-	92.51	31.44	10.06	30.01	100	184	P	H
	*	5210	95.92	-	-	84.43	31.44	10.06	30.01	100	184	A	H
		5398.68	50.95	-23.05	74	39.35	31.39	10.21	30	100	184	P	H
		5349.96	42.58	-107.42	150	31.31	31.1	10.17	30	100	184	A	H
		5148.98	56.83	-17.17	74	45.04	31.8	10	30.01	377	246	P	V
		5150	48.8	-5.2	54	37.01	31.8	10	30.01	377	246	A	V
	*	5210	102.55	-	-	91.06	31.44	10.06	30.01	377	246	P	V
	*	5210	95.16	-	-	83.67	31.44	10.06	30.01	377	246	A	V
		5459.72	50.82	-23.18	74	38.95	31.6	10.26	29.99	377	246	P	V
		5350.8	42.35	-11.65	54	31.08	31.1	10.17	30	377	246	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. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	47.71	-20.49	68.2	54.59	39.62	14.49	60.99	100	0	P	H
		15630	46.26	-27.74	74	53.59	37.61	17.34	62.28	100	0	P	H
		18000	58.58	-15.42	74	48.44	49	19.04	57.9	200	63	P	H
		18000	50.53	-3.47	54	40.39	49	19.04	57.9	200	63	A	H
		10420	47.55	-20.65	68.2	54.43	39.62	14.49	60.99	100	0	P	V
		15630	46.77	-27.23	74	54.1	37.61	17.34	62.28	100	0	P	V
		17978	59.99	-14.01	74	50.29	48.6	19.03	57.93	100	54	P	V
		17978	50.52	-3.48	54	40.82	48.6	19.03	57.93	100	54	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+3	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		5146.54	51.35	-22.65	74	39.57	31.8	9.99	30.01	100	138	P	H
		5105.06	40.63	-13.37	54	28.89	31.8	9.95	30.01	100	138	A	H
	*	5260	114.48	-	-	103.18	31.2	10.1	30	100	138	P	H
	*	5260	106.15	-	-	94.85	31.2	10.1	30	100	138	A	H
		5394.72	51.92	-22.08	74	40.34	31.37	10.21	30	100	138	P	H
		5350.08	40.63	-13.37	54	29.36	31.1	10.17	30	100	138	A	H
		5072.08	51.24	-22.76	74	39.6	31.74	9.92	30.02	325	252	P	V
		5130.9	40.55	-13.45	54	28.78	31.8	9.98	30.01	325	252	A	V
	*	5260	108.7	-	-	97.4	31.2	10.1	30	325	252	P	V
	*	5260	101.23	-	-	89.93	31.2	10.1	30	325	252	A	V
		5414.16	51.31	-22.69	74	39.63	31.46	10.22	30	325	252	P	V
		5458.8	40.44	-13.56	54	28.57	31.6	10.26	29.99	325	252	A	V
802.11a CH 60 5300MHz		5091.12	51.23	-22.77	74	39.52	31.78	9.94	30.01	100	136	P	H
		5104.04	40.55	-13.45	54	28.81	31.8	9.95	30.01	100	136	A	H
	*	5300	113.46	-	-	102.13	31.2	10.13	30	100	136	P	H
	*	5300	105.45	-	-	94.12	31.2	10.13	30	100	136	A	H
		5350.32	57.4	-16.6	74	46.13	31.1	10.17	30	100	136	P	H
		5351.04	44.86	-9.14	54	33.58	31.11	10.17	30	100	136	A	H
		5123.42	50.87	-23.13	74	39.11	31.8	9.97	30.01	347	318	P	V
		5103.36	40.54	-13.46	54	28.8	31.8	9.95	30.01	347	318	A	V
	*	5300	109.33	-	-	98	31.2	10.13	30	347	318	P	V
	*	5300	101.41	-	-	90.08	31.2	10.13	30	347	318	A	V
		5356.08	51.23	-22.77	74	39.92	31.14	10.17	30	347	318	P	V
		5353.68	41.21	-12.79	54	29.92	31.12	10.17	30	347	318	A	V



802.11a CH 64 5320MHz	*	5320	113.86	-	-	102.55	31.16	10.15	30	100	138	P	H
	*	5320	105.61	-	-	94.3	31.16	10.15	30	100	138	A	H
		5350.56	60.62	-13.38	74	49.35	31.1	10.17	30	100	138	P	H
		5350.4	50.75	-3.25	54	39.48	31.1	10.17	30	100	138	A	H
													H
													H
	*	5320	109.11	-	-	97.8	31.16	10.15	30	342	316	P	V
	*	5320	100.75	-	-	89.44	31.16	10.15	30	342	316	A	V
		5352	55.56	-18.44	74	44.28	31.11	10.17	30	342	316	P	V
		5352.32	45.48	-8.52	54	34.2	31.11	10.17	30	342	316	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. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.51	-20.69	68.2	54.37	39.7	14.54	61.1	100	0	P	H
		15780	46.25	-27.75	74	53.21	37.16	17.44	61.56	100	0	P	H
		18000	60.55	-13.45	74	50.41	49	19.04	57.9	200	124	P	H
		18000	50.46	-3.54	54	40.32	49	19.04	57.9	200	124	A	H
		10520	46.95	-21.25	68.2	53.81	39.7	14.54	61.1	100	0	P	V
		15780	46.71	-27.29	74	53.67	37.16	17.44	61.56	100	0	P	V
		17989	60.27	-13.73	74	50.35	48.8	19.03	57.91	100	58	P	V
		17989	50.36	-3.64	54	40.44	48.8	19.03	57.91	100	58	A	V
802.11a CH 60 5300MHz		10600	47.55	-26.45	74	54.37	39.7	14.58	61.1	100	0	P	H
		15900	46.76	-27.24	74	53.04	37.2	17.5	60.98	100	0	P	H
		18000	60.44	-13.56	74	50.3	49	19.04	57.9	200	124	P	H
		18000	50.53	-3.47	54	40.39	49	19.04	57.9	200	124	A	H
		10600	47.7	-26.3	74	54.52	39.7	14.58	61.1	100	0	P	V
		15900	46.52	-27.48	74	52.8	37.2	17.5	60.98	100	0	P	V
		18000	60.4	-13.6	74	50.26	49	19.04	57.9	100	58	P	V
		18000	50.49	-3.51	54	40.35	49	19.04	57.9	100	58	A	V
802.11a CH 64 5320MHz		10640	48.13	-25.87	74	54.85	39.78	14.6	61.1	100	0	P	H
		15960	47	-27	74	52.89	37.26	17.54	60.69	100	0	P	H
		17989	60.85	-13.15	74	50.93	48.8	19.03	57.91	200	124	P	H
		17989	50.77	-3.23	54	40.85	48.8	19.03	57.91	200	124	A	H
		10640	48.02	-25.98	74	54.74	39.78	14.6	61.1	100	0	P	V
		15960	45.78	-28.22	74	51.67	37.26	17.54	60.69	100	0	P	V
		18000	60.39	-13.61	74	50.25	49	19.04	57.9	100	58	P	V
		18000	50.48	-3.52	54	40.34	49	19.04	57.9	100	58	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 52 5260MHz		5103.36	52.13	-21.87	74	40.39	31.8	9.95	30.01	100	144	P	H
		5136.68	41.66	-12.34	54	29.89	31.8	9.98	30.01	100	144	A	H
	*	5260	112.87	-	-	101.57	31.2	10.1	30	100	144	P	H
	*	5260	104.81	-	-	93.51	31.2	10.1	30	100	144	A	H
		5417.52	51.56	-22.44	74	39.86	31.47	10.22	29.99	100	144	P	H
		5351.76	41.57	-12.43	54	30.29	31.11	10.17	30	100	144	A	H
		5067.32	50.76	-23.24	74	39.14	31.73	9.91	30.02	352	319	P	V
		5128.86	41.66	-12.34	54	29.89	31.8	9.98	30.01	352	319	A	V
	*	5260	108.66	-	-	97.36	31.2	10.1	30	352	319	P	V
	*	5260	100.34	-	-	89.04	31.2	10.1	30	352	319	A	V
		5451.36	51.17	-22.83	74	39.31	31.6	10.25	29.99	352	319	P	V
		5428.08	41.29	-12.71	54	29.54	31.51	10.23	29.99	352	319	A	V
802.11n HT20 CH 60 5300MHz		5126.82	51.02	-22.98	74	39.26	31.8	9.97	30.01	100	133	P	H
		5106.08	41.44	-12.56	54	29.7	31.8	9.95	30.01	100	133	A	H
	*	5300	114.83	-	-	103.5	31.2	10.13	30	100	133	P	H
	*	5300	106.77	-	-	95.44	31.2	10.13	30	100	133	A	H
		5351.28	57.56	-16.44	74	46.28	31.11	10.17	30	100	133	P	H
		5352	46.74	-7.26	54	35.46	31.11	10.17	30	100	133	A	H
		5131.24	51.16	-22.84	74	39.39	31.8	9.98	30.01	350	252	P	V
		5100.64	41.48	-12.52	54	29.74	31.8	9.95	30.01	350	252	A	V
	*	5300	109.44	-	-	98.11	31.2	10.13	30	350	252	P	V
	*	5300	101.54	-	-	90.21	31.2	10.13	30	350	252	A	V
		5353.92	53.67	-20.33	74	42.38	31.12	10.17	30	350	252	P	V
		5352.24	43.45	-10.55	54	32.17	31.11	10.17	30	350	252	A	V



802.11n HT20 CH 64 5320MHz	*	5320	113.95	-	-	102.64	31.16	10.15	30	100	142	P	H
	*	5320	105.91	-	-	94.6	31.16	10.15	30	100	142	A	H
		5359.36	60.27	-13.73	74	48.93	31.16	10.18	30	100	142	P	H
		5359.68	48.56	-5.44	54	37.22	31.16	10.18	30	100	142	A	H
													H
													H
	*	5320	108.37	-	-	97.06	31.16	10.15	30	346	316	P	V
	*	5320	100.36	-	-	89.05	31.16	10.15	30	346	316	A	V
		5353.12	55.93	-18.07	74	44.64	31.12	10.17	30	346	316	P	V
		5350.4	46.19	-7.81	54	34.92	31.1	10.17	30	346	316	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 52 5260MHz		10520	46.75	-21.45	68.2	53.61	39.7	14.54	61.1	100	0	P	H
		15780	46.7	-27.3	74	53.66	37.16	17.44	61.56	100	0	P	H
		17978	60.46	-13.54	74	50.76	48.6	19.03	57.93	200	124	P	H
		17978	50.55	-3.45	54	40.85	48.6	19.03	57.93	200	124	A	H
		10520	46.88	-21.32	68.2	53.74	39.7	14.54	61.1	100	0	P	V
		15780	46.17	-27.83	74	53.13	37.16	17.44	61.56	100	0	P	V
		18000	60.53	-13.47	74	50.39	49	19.04	57.9	100	58	P	V
		18000	50.62	-3.38	54	40.48	49	19.04	57.9	100	58	A	V
802.11n HT20 CH 60 5300MHz		10600	48.16	-25.84	74	54.98	39.7	14.58	61.1	100	0	P	H
		15900	46.01	-27.99	74	52.29	37.2	17.5	60.98	100	0	P	H
		18000	60.76	-13.24	74	50.62	49	19.04	57.9	200	124	P	H
		18000	50.67	-3.33	54	40.53	49	19.04	57.9	200	124	A	H
		10600	48.44	-25.56	74	55.26	39.7	14.58	61.1	100	0	P	V
		15900	46.73	-27.27	74	53.01	37.2	17.5	60.98	100	0	P	V
		17978	60.18	-13.82	74	50.48	48.6	19.03	57.93	100	58	P	V
		17978	50.27	-3.73	54	40.57	48.6	19.03	57.93	100	58	A	V
802.11n HT20 CH 64 5320MHz		10640	48.35	-25.65	74	55.07	39.78	14.6	61.1	100	0	P	H
		15960	46.48	-27.52	74	52.37	37.26	17.54	60.69	100	0	P	H
		18000	60.01	-13.99	74	49.87	49	19.04	57.9	200	124	P	H
		18000	50.1	-3.9	54	39.96	49	19.04	57.9	200	124	A	H
		10640	48.55	-25.45	74	55.27	39.78	14.6	61.1	100	0	P	V
		15960	47.45	-26.55	74	53.34	37.26	17.54	60.69	100	0	P	V
		18000	61.31	-12.69	74	51.17	49	19.04	57.9	100	58	P	V
		18000	50.7	-3.3	54	40.56	49	19.04	57.9	100	58	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 54 5270MHz		5091.8	51.28	-22.72	74	39.57	31.78	9.94	30.01	334	140	P	H
		5143.82	42.87	-11.13	54	31.09	31.8	9.99	30.01	334	140	A	H
	*	5270	109.02	-	-	97.71	31.2	10.11	30	334	140	P	H
	*	5270	101.42	-	-	90.11	31.2	10.11	30	334	140	A	H
		5359.68	52.31	-21.69	74	40.97	31.16	10.18	30	334	140	P	H
		5351.04	43.78	-10.22	54	32.5	31.11	10.17	30	334	140	A	H
		5093.84	52.15	-21.85	74	40.43	31.79	9.94	30.01	365	252	P	V
		5145.18	42.43	-11.57	54	30.65	31.8	9.99	30.01	365	252	A	V
	*	5270	104.34	-	-	93.03	31.2	10.11	30	365	252	P	V
	*	5270	97.46	-	-	86.15	31.2	10.11	30	365	252	A	V
		5417.28	52.09	-21.91	74	40.39	31.47	10.22	29.99	365	252	P	V
		5350.8	43.1	-10.9	54	31.83	31.1	10.17	30	365	252	A	V
802.11n HT40 CH 62 5310MHz		5028.56	52.17	-21.83	74	40.79	31.53	9.87	30.02	100	183	P	H
		5140.08	42.6	-11.4	54	30.82	31.8	9.99	30.01	100	183	A	H
	*	5310	109.08	-	-	97.76	31.18	10.14	30	100	183	P	H
	*	5310	100.64	-	-	89.32	31.18	10.14	30	100	183	A	H
		5352.48	59.53	-14.47	74	48.25	31.11	10.17	30	100	183	P	H
		5350.08	50.98	-3.02	54	39.71	31.1	10.17	30	100	183	A	H
		5071.4	51.73	-22.27	74	40.1	31.74	9.91	30.02	382	244	P	V
		5104.04	42.42	-11.58	54	30.68	31.8	9.95	30.01	382	244	A	V
	*	5310	105.72	-	-	94.4	31.18	10.14	30	382	244	P	V
	*	5310	97.98	-	-	86.66	31.18	10.14	30	382	244	A	V
		5350.08	56.91	-17.09	74	45.64	31.1	10.17	30	382	244	P	V
		5350.08	49.25	-4.75	54	37.98	31.1	10.17	30	382	244	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 54 5270MHz		10540	46.8	-21.4	68.2	53.65	39.7	14.55	61.1	100	0	P	H
		15810	45.54	-28.46	74	52.39	37.11	17.45	61.41	100	0	P	H
		17989	58.97	-15.03	74	49.05	48.8	19.03	57.91	200	130	P	H
		17989	50.57	-3.43	54	40.65	48.8	19.03	57.91	200	130	A	H
		10540	46.94	-21.26	68.2	53.79	39.7	14.55	61.1	100	0	P	V
		15810	46	-28	74	52.85	37.11	17.45	61.41	100	0	P	V
		18000	58.93	-15.07	74	48.79	49	19.04	57.9	100	64	P	V
		18000	50.47	-3.53	54	40.33	49	19.04	57.9	100	64	A	V
802.11n HT40 CH 62 5310MHz		10620	48.29	-25.71	74	55.06	39.74	14.59	61.1	100	0	P	H
		15930	46.21	-27.79	74	52.29	37.23	17.53	60.84	100	0	P	H
		17989	58.99	-15.01	74	49.07	48.8	19.03	57.91	200	136	P	H
		17989	50.57	-3.43	54	40.65	48.8	19.03	57.91	200	136	A	H
		10620	48.38	-25.62	74	55.15	39.74	14.59	61.1	100	0	P	V
		15930	46.48	-27.52	74	52.56	37.23	17.53	60.84	100	0	P	V
		17967	58.91	-15.09	74	49.42	48.41	19.02	57.94	100	66	P	V
		17967	50.36	-3.64	54	40.87	48.41	19.02	57.94	100	66	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 (Band Edge @ 3m)

WIFI Ant. 4+3	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		5136	51.91	-22.09	74	40.14	31.8	9.98	30.01	100	182	P	H
		5143.14	43	-11	54	31.22	31.8	9.99	30.01	100	182	A	H
	*	5290	104.56	-	-	93.24	31.2	10.12	30	100	182	P	H
	*	5290	96.93	-	-	85.61	31.2	10.12	30	100	182	A	H
		5350.32	59.25	-14.75	74	47.98	31.1	10.17	30	100	182	P	H
		5350.08	52.08	-1.92	54	40.81	31.1	10.17	30	100	182	A	H
		5104.38	51.83	-22.17	74	40.09	31.8	9.95	30.01	361	243	P	V
		5138.72	42.79	-11.21	54	31.01	31.8	9.99	30.01	361	243	A	V
	*	5290	102.15	-	-	90.83	31.2	10.12	30	361	243	P	V
	*	5290	94.86	-	-	83.54	31.2	10.12	30	361	243	A	V
		5350.32	59.01	-14.99	74	47.74	31.1	10.17	30	361	243	P	V
		5350.08	52.1	-1.9	54	40.83	31.1	10.17	30	361	243	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. 4+3	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	47.2	-21	68.2	54.03	39.7	14.57	61.1	100	0	P	H
		15870	47.02	-26.98	74	53.48	37.17	17.49	61.12	100	0	P	H
		18000	59.34	-14.66	74	49.2	49	19.04	57.9	200	54	P	H
		18000	50.8	-3.2	54	40.66	49	19.04	57.9	200	54	A	H
		10580	47.11	-21.09	68.2	53.94	39.7	14.57	61.1	100	0	P	V
		15870	47.72	-26.28	74	54.18	37.17	17.49	61.12	100	0	P	V
		18000	59.95	-14.05	74	49.81	49	19.04	57.9	100	141	P	V
		18000	50.59	-3.41	54	40.45	49	19.04	57.9	100	141	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.12	57.03	-16.97	74	45.16	31.6	10.26	29.99	100	131	P	H
		5468.72	64.75	-3.45	68.2	52.87	31.6	10.27	29.99	100	131	P	H
		5458.96	45.92	-8.08	54	34.05	31.6	10.26	29.99	100	131	A	H
	*	5500	112.27	-	-	100.36	31.6	10.3	29.99	100	131	P	H
	*	5500	104.26	-	-	92.35	31.6	10.3	29.99	100	131	A	H
													H
		5456.08	52.78	-21.22	74	40.91	31.6	10.26	29.99	397	326	P	V
		5466.64	58.34	-9.86	68.2	46.46	31.6	10.27	29.99	397	326	P	V
		5460	42.52	-11.48	54	30.65	31.6	10.26	29.99	397	326	A	V
	*	5500	110.12	-	-	98.21	31.6	10.3	29.99	397	326	P	V
	*	5500	101.94	-	-	90.03	31.6	10.3	29.99	397	326	A	V
													V
802.11a CH 116 5580MHz		5444.8	50.46	-23.54	74	38.62	31.58	10.25	29.99	100	173	P	H
		5460	50.33	-17.87	68.2	38.46	31.6	10.26	29.99	100	173	P	H
		5459.44	40.82	-13.18	54	28.95	31.6	10.26	29.99	100	173	A	H
	*	5580	112.43	-	-	100.56	31.56	10.36	30.05	100	173	P	H
	*	5580	104.81	-	-	92.94	31.56	10.36	30.05	100	173	A	H
		5745.47	51.3	-16.9	68.2	39.14	31.79	10.54	30.17	100	173	P	H
		5428.24	50.79	-23.21	74	39.04	31.51	10.23	29.99	385	240	P	V
		5460.4	49.9	-18.3	68.2	38.03	31.6	10.26	29.99	385	240	P	V
		5459.44	40.73	-13.27	54	28.86	31.6	10.26	29.99	385	240	A	V
	*	5580	110.7	-	-	98.83	31.56	10.36	30.05	385	240	P	V
	*	5580	102.36	-	-	90.49	31.56	10.36	30.05	385	240	A	V
		5754.605	50.75	-17.45	68.2	38.57	31.8	10.55	30.17	385	240	P	V



802.11a CH 140 5700MHz	*	5700	111.85	-	-	99.79	31.7	10.49	30.13	100	19	P	H
	*	5700	103.77	-	-	91.71	31.7	10.49	30.13	100	19	A	H
		5725.56	64.6	-3.6	68.2	52.48	31.75	10.52	30.15	100	19	P	H
													H
													H
													H
	*	5700	109.02	-	-	96.96	31.7	10.49	30.13	379	201	P	V
	*	5700	100.45	-	-	88.39	31.7	10.49	30.13	379	201	A	V
		5727.96	59.9	-8.3	68.2	47.77	31.76	10.52	30.15	379	201	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. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	49.79	-24.21	74	55.7	40.4	14.79	61.1	100	0	P	H
		16500	49.29	-18.91	68.2	51.85	38.9	17.94	59.4	100	0	P	H
		17989	61.7	-12.3	74	51.78	48.8	19.03	57.91	200	124	P	H
		17989	50.84	-3.16	54	40.92	48.8	19.03	57.91	200	124	A	H
		11000	49.97	-24.03	74	55.88	40.4	14.79	61.1	100	0	P	V
		16500	48.25	-19.95	68.2	50.81	38.9	17.94	59.4	100	0	P	V
		17989	60.8	-13.2	74	50.88	48.8	19.03	57.91	100	58	P	V
		17989	50.8	-3.2	54	40.88	48.8	19.03	57.91	100	58	A	V
802.11a CH 116 5580MHz		11160	49.12	-24.88	74	55.33	39.96	14.87	61.04	100	0	P	H
		16740	49.44	-18.76	68.2	50.64	39.94	18.12	59.26	100	0	P	H
		17989	61.24	-12.76	74	51.32	48.8	19.03	57.91	200	124	P	H
		17989	50.33	-3.67	54	40.41	48.8	19.03	57.91	200	124	A	H
		11160	48.25	-25.75	74	54.46	39.96	14.87	61.04	100	0	P	V
		16740	50.22	-17.98	68.2	51.42	39.94	18.12	59.26	100	0	P	V
		18000	61.45	-12.55	74	51.31	49	19.04	57.9	100	58	P	V
		18000	50.54	-3.46	54	40.4	49	19.04	57.9	100	58	A	V
802.11a CH 140 5700MHz		11400	47.99	-26.01	74	53.94	40	14.99	60.94	100	0	P	H
		17100	49.9	-18.3	68.2	49.9	40.6	18.38	58.98	100	0	P	H
		17978	60.15	-13.85	74	50.45	48.6	19.03	57.93	200	124	P	H
		17978	49.24	-4.76	54	39.54	48.6	19.03	57.93	200	124	A	H
		11400	48.9	-25.1	74	54.85	40	14.99	60.94	100	0	P	V
		17100	50.2	-18	68.2	50.2	40.6	18.38	58.98	100	0	P	V
		18000	60.56	-13.44	74	50.42	49	19.04	57.9	100	58	P	V
		18000	49.65	-4.35	54	39.51	49	19.04	57.9	100	58	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 100 5500MHz		5458.72	62.61	-11.39	74	50.74	31.6	10.26	29.99	100	171	P	H
		5462.32	64.95	-3.25	68.2	53.08	31.6	10.26	29.99	100	171	P	H
		5459.92	51.6	-2.4	54	39.73	31.6	10.26	29.99	100	171	A	H
	*	5500	113.07	-	-	101.16	31.6	10.3	29.99	100	171	P	H
	*	5500	105.23	-	-	93.32	31.6	10.3	29.99	100	171	A	H
		5737.595	50.43	-17.77	68.2	38.28	31.78	10.53	30.16	100	171	P	H
		5459.44	58.58	-15.42	74	46.71	31.6	10.26	29.99	376	240	P	V
		5469.04	61.04	-7.16	68.2	49.16	31.6	10.27	29.99	376	240	P	V
		5459.2	48.34	-5.66	54	36.47	31.6	10.26	29.99	376	240	A	V
	*	5500	111.09	-	-	99.18	31.6	10.3	29.99	376	240	P	V
	*	5500	102.93	-	-	91.02	31.6	10.3	29.99	376	240	A	V
		5730.98	50.01	-18.19	68.2	37.89	31.76	10.52	30.16	376	240	P	V
802.11n HT20 CH 116 5580MHz		5424.88	51.45	-22.55	74	39.71	31.5	10.23	29.99	100	172	P	H
		5459.92	50.33	-23.67	74	38.46	31.6	10.26	29.99	100	172	P	H
		5457.52	41.78	-12.22	54	29.91	31.6	10.26	29.99	100	172	A	H
	*	5580	113.01	-	-	101.14	31.56	10.36	30.05	100	172	P	H
	*	5580	105.11	-	-	93.24	31.56	10.36	30.05	100	172	A	H
		5742.32	51.04	-17.16	68.2	38.88	31.78	10.54	30.16	100	172	P	H
		5437.36	50.47	-23.53	74	38.67	31.55	10.24	29.99	375	267	P	V
		5466.64	50.51	-17.69	68.2	38.63	31.6	10.27	29.99	375	267	P	V
		5439.76	41.53	-12.47	54	29.72	31.56	10.24	29.99	375	267	A	V
	*	5580	108.44	-	-	96.57	31.56	10.36	30.05	375	267	P	V
	*	5580	100.68	-	-	88.81	31.56	10.36	30.05	375	267	A	V
		5764.37	50.3	-17.9	68.2	38.12	31.8	10.56	30.18	375	267	P	V



802.11n HT20 CH 140 5700MHz	*	5700	112.26	-	-	100.2	31.7	10.49	30.13	100	170	P	H
	*	5700	104.21	-	-	92.15	31.7	10.49	30.13	100	170	A	H
		5725.08	64.39	-3.81	68.2	52.27	31.75	10.52	30.15	100	170	P	H
													H
													H
													H
	*	5700	107.37	-	-	95.31	31.7	10.49	30.13	400	200	P	V
	*	5700	109.3	-	-	97.24	31.7	10.49	30.13	400	200	A	V
		5725.16	60.27	-7.93	68.2	48.15	31.75	10.52	30.15	400	200	P	V
													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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 100 5500MHz		11000	49.74	-24.26	74	55.65	40.4	14.79	61.1	100	0	P	H
		16500	48.8	-19.4	68.2	51.36	38.9	17.94	59.4	100	0	P	H
		18000	59.86	-14.14	74	49.72	49	19.04	57.9	200	132	P	H
		18000	50.01	-3.99	54	39.87	49	19.04	57.9	200	132	A	H
		11000	49.72	-24.28	74	55.63	40.4	14.79	61.1	100	0	P	V
		16500	48.42	-19.78	68.2	50.98	38.9	17.94	59.4	100	0	P	V
		18000	59.95	-14.05	74	49.81	49	19.04	57.9	100	57	P	V
		18000	50.25	-3.75	54	40.11	49	19.04	57.9	100	57	A	V
802.11n HT20 CH 116 5580MHz		11160	48.72	-25.28	74	54.93	39.96	14.87	61.04	100	0	P	H
		16740	49.75	-18.45	68.2	50.95	39.94	18.12	59.26	100	0	P	H
		17989	59.81	-14.19	74	49.89	48.8	19.03	57.91	200	137	P	H
		17989	49.8	-4.2	54	39.88	48.8	19.03	57.91	200	137	A	H
		11160	47.79	-26.21	74	54	39.96	14.87	61.04	100	0	P	V
		16740	49.6	-18.6	68.2	50.8	39.94	18.12	59.26	100	0	P	V
		17978	59.59	-14.41	74	49.89	48.6	19.03	57.93	100	74	P	V
		17978	49.74	-4.26	54	40.04	48.6	19.03	57.93	100	74	A	V
802.11n HT20 CH 140 5700MHz		11400	48.03	-25.97	74	53.98	40	14.99	60.94	100	0	P	H
		17100	50.19	-18.01	68.2	50.19	40.6	18.38	58.98	100	0	P	H
		17989	60.11	-13.89	74	50.19	48.8	19.03	57.91	200	121	P	H
		17989	49.46	-4.54	54	39.54	48.8	19.03	57.91	200	121	A	H
		11400	48.04	-25.96	74	53.99	40	14.99	60.94	100	0	P	V
		17100	50.81	-17.39	68.2	50.81	40.6	18.38	58.98	100	0	P	V
		18000	59.9	-14.1	74	49.76	49	19.04	57.9	100	56	P	V
		18000	50.35	-3.65	54	40.21	49	19.04	57.9	100	56	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 102 5510MHz		5457.73	60.33	-13.67	74	48.46	31.6	10.26	29.99	100	140	P	H
		5467.45	61.46	-6.74	68.2	49.58	31.6	10.27	29.99	100	140	P	H
		5457.46	52.36	-1.64	54	40.49	31.6	10.26	29.99	100	140	A	H
	*	5510	106.76	-	-	94.88	31.58	10.3	30	100	140	P	H
	*	5510	99.35	-	-	87.47	31.58	10.3	30	100	140	A	H
		5732.555	50.85	-17.35	68.2	38.71	31.77	10.53	30.16	100	140	P	H
		5459.08	56.14	-17.86	74	44.27	31.6	10.26	29.99	336	235	P	V
		5465.83	57.35	-10.85	68.2	45.47	31.6	10.27	29.99	336	235	P	V
		5459.89	48.51	-5.49	54	36.64	31.6	10.26	29.99	336	235	A	V
	*	5510	103.35	-	-	91.47	31.58	10.3	30	336	235	P	V
	*	5510	95.98	-	-	84.1	31.58	10.3	30	336	235	A	V
		5750.51	51.71	-16.49	68.2	39.53	31.8	10.55	30.17	336	235	P	V
802.11n HT40 CH 110 5550MHz		5453.68	53.54	-20.46	74	41.67	31.6	10.26	29.99	100	141	P	H
		5467.99	55.29	-12.91	68.2	43.41	31.6	10.27	29.99	100	141	P	H
		5456.65	45.06	-8.94	54	33.19	31.6	10.26	29.99	100	141	A	H
	*	5550	107.77	-	-	95.96	31.5	10.34	30.03	100	141	P	H
	*	5550	100.04	-	-	88.23	31.5	10.34	30.03	100	141	A	H
		5725.94	51.27	-16.93	68.2	39.15	31.75	10.52	30.15	100	141	P	H
		5455.57	52.19	-21.81	74	40.32	31.6	10.26	29.99	311	233	P	V
		5467.18	53.01	-15.19	68.2	41.13	31.6	10.27	29.99	311	233	P	V
		5459.35	43.87	-10.13	54	32	31.6	10.26	29.99	311	233	A	V
	*	5550	104.16	-	-	92.35	31.5	10.34	30.03	311	233	P	V
	*	5550	96.1	-	-	84.29	31.5	10.34	30.03	311	233	A	V
		5730.665	52.37	-15.83	68.2	40.25	31.76	10.52	30.16	311	233	P	V



802.11n HT40 CH 134 5670MHz		5430.66	52.44	-21.56	74	40.67	31.52	10.24	29.99	100	141	P	H
		5467.66	51.78	-16.42	68.2	39.9	31.6	10.27	29.99	100	141	P	H
		5398.1	42.77	-11.23	54	31.17	31.39	10.21	30	100	141	A	H
	*	5670	108.26	-	-	96.21	31.7	10.46	30.11	100	141	P	H
	*	5670	100.49	-	-	88.44	31.7	10.46	30.11	100	141	A	H
		5732.8	62.14	-6.06	68.2	50	31.77	10.53	30.16	100	141	P	H
		5455.45	51.3	-22.7	74	39.43	31.6	10.26	29.99	373	333	P	V
		5469.14	50.95	-17.25	68.2	39.07	31.6	10.27	29.99	373	333	P	V
		5447.68	42.69	-11.31	54	30.84	31.59	10.25	29.99	373	333	A	V
	*	5670	105.47	-	-	93.42	31.7	10.46	30.11	373	333	P	V
	*	5670	98	-	-	85.95	31.7	10.46	30.11	373	333	A	V
		5726.325	57.52	-10.68	68.2	45.4	31.75	10.52	30.15	373	333	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 102 5510MHz		11020	49.48	-24.52	74	55.41	40.36	14.8	61.09	100	0	P	H
		16530	48.49	-19.71	68.2	51.04	38.87	17.96	59.38	100	0	P	H
		17978	59.85	-14.15	74	50.15	48.6	19.03	57.93	200	136	P	H
		17978	50.72	-3.28	54	41.02	48.6	19.03	57.93	200	136	A	H
		11020	48.91	-25.09	74	54.84	40.36	14.8	61.09	100	0	P	V
		16530	48.06	-20.14	68.2	50.61	38.87	17.96	59.38	100	0	P	V
		17989	60.16	-13.84	74	50.24	48.8	19.03	57.91	100	62	P	V
		17989	50.49	-3.51	54	40.57	48.8	19.03	57.91	100	62	A	V
802.11n HT40 CH 110 5550MHz		11100	49.22	-24.78	74	55.24	40.2	14.84	61.06	100	0	P	H
		16650	49.02	-19.18	68.2	51.03	39.25	18.05	59.31	100	0	P	H
		17978	59.49	-14.51	74	49.79	48.6	19.03	57.93	200	147	P	H
		17978	50.03	-3.97	54	40.33	48.6	19.03	57.93	200	147	A	H
		11100	49.15	-24.85	74	55.17	40.2	14.84	61.06	100	0	P	V
		16650	48.86	-19.34	68.2	50.87	39.25	18.05	59.31	100	0	P	V
		17989	59.87	-14.13	74	49.95	48.8	19.03	57.91	100	56	P	V
		17989	50.25	-3.75	54	40.33	48.8	19.03	57.91	100	56	A	V
802.11n HT40 CH 134 5670MHz		11340	47.76	-26.24	74	53.82	39.94	14.96	60.96	100	0	P	H
		17010	50.35	-17.85	68.2	50.52	40.6	18.32	59.09	100	0	P	H
		17978	59.39	-14.61	74	49.69	48.6	19.03	57.93	200	134	P	H
		17978	50.67	-3.33	54	40.97	48.6	19.03	57.93	200	134	A	H
		11340	47.65	-26.35	74	53.71	39.94	14.96	60.96	100	0	P	V
		17010	50.41	-17.79	68.2	50.58	40.6	18.32	59.09	100	0	P	V
		17989	59.34	-14.66	74	49.42	48.8	19.03	57.91	100	63	P	V
		17989	50.95	-3.05	54	41.03	48.8	19.03	57.91	100	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 4+3	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		5455.3	60.45	-13.55	74	48.58	31.6	10.26	29.99	100	144	P	H
		5469.88	60.85	-7.35	68.2	48.97	31.6	10.27	29.99	100	144	P	H
		5432.62	51.79	-2.21	54	40.01	31.53	10.24	29.99	100	144	A	H
	*	5530	103.2	-	-	91.35	31.54	10.32	30.01	100	144	P	H
	*	5530	95.97	-	-	84.12	31.54	10.32	30.01	100	144	A	H
		5734.13	52.05	-16.15	68.2	39.91	31.77	10.53	30.16	100	144	P	H
		5447.74	55.95	-18.05	74	44.1	31.59	10.25	29.99	313	228	P	V
		5469.88	57.3	-10.9	68.2	45.42	31.6	10.27	29.99	313	228	P	V
		5432.35	47.88	-6.12	54	36.1	31.53	10.24	29.99	313	228	A	V
	*	5530	99.23	-	-	87.38	31.54	10.32	30.01	313	228	P	V
	*	5530	91.6	-	-	79.75	31.54	10.32	30.01	313	228	A	V
		5740.115	51.29	-16.91	68.2	39.14	31.78	10.53	30.16	313	228	P	V
802.11ac VHT80 CH 122 5610MHz		5457.73	54.79	-19.21	74	42.92	31.6	10.26	29.99	100	121	P	H
		5460.7	55.3	-12.9	68.2	43.43	31.6	10.26	29.99	100	121	P	H
		5459.89	45.95	-8.05	54	34.08	31.6	10.26	29.99	100	121	A	H
	*	5610	104.73	-	-	92.79	31.62	10.39	30.07	100	121	P	H
	*	5610	97.38	-	-	85.44	31.62	10.39	30.07	100	121	A	H
		5725.31	59.65	-8.55	68.2	47.53	31.75	10.52	30.15	100	121	P	H
		5459.89	53.12	-20.88	74	41.25	31.6	10.26	29.99	400	328	P	V
		5468.26	53.21	-14.99	68.2	41.33	31.6	10.27	29.99	400	328	P	V
		5453.41	42.78	-11.22	54	30.91	31.6	10.26	29.99	400	328	A	V
	*	5610	102.5	-	-	90.56	31.62	10.39	30.07	400	328	P	V
	*	5610	94.8	-	-	82.86	31.62	10.39	30.07	400	328	A	V
		5726.255	56.89	-11.31	68.2	44.77	31.75	10.52	30.15	400	328	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. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	49.86	-24.14	74	55.84	40.28	14.82	61.08	100	0	P	H
		16590	47.73	-20.47	68.2	50.26	38.81	18.01	59.35	100	0	P	H
		18000	59.32	-14.68	74	49.18	49	19.04	57.9	200	124	P	H
		18000	50.69	-3.31	54	40.55	49	19.04	57.9	200	124	A	H
		11060	49.78	-24.22	74	55.76	40.28	14.82	61.08	100	0	P	V
		16590	47.79	-20.41	68.2	50.32	38.81	18.01	59.35	100	0	P	V
		18000	59.42	-14.58	74	49.28	49	19.04	57.9	100	58	P	V
		18000	50.53	-3.47	54	40.39	49	19.04	57.9	100	58	A	V
802.11ac VHT80 CH 122 5610MHz		11220	47.98	-26.02	74	54.27	39.82	14.9	61.01	100	0	P	H
		16830	51.97	-16.23	68.2	52.66	40.33	18.18	59.2	100	0	P	H
		17978	59.3	-14.7	74	49.6	48.6	19.03	57.93	200	132	P	H
		17978	50.29	-3.71	54	40.59	48.6	19.03	57.93	200	132	A	H
		11220	48.17	-25.83	74	54.46	39.82	14.9	61.01	100	0	P	V
		16830	50.84	-17.36	68.2	51.53	40.33	18.18	59.2	100	0	P	V
		17989	59.7	-14.3	74	49.78	48.8	19.03	57.91	100	65	P	V
		17989	50.58	-3.42	54	40.66	48.8	19.03	57.91	100	65	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5435.41	50.12	-23.88	74	38.33	31.54	10.24	29.99	100	19	P	H
		5470	50.21	-17.99	68.2	38.33	31.6	10.27	29.99	100	19	P	H
		5453.74	40.65	-13.35	54	28.78	31.6	10.26	29.99	100	19	A	H
	*	5720	112.67	-	-	100.57	31.74	10.51	30.15	100	19	P	H
	*	5720	104.41	-	-	92.31	31.74	10.51	30.15	100	19	A	H
		5924.52	52.13	-16.07	68.2	39.59	32.15	10.69	30.3	100	19	P	H
		5456.86	50.25	-23.75	74	38.38	31.6	10.26	29.99	400	201	P	V
		5460.76	50.62	-17.58	68.2	38.75	31.6	10.26	29.99	400	201	P	V
		5459.2	40.59	-13.41	54	28.72	31.6	10.26	29.99	400	201	A	V
	*	5720	108.59	-	-	96.49	31.74	10.51	30.15	400	201	P	V
	*	5720	101.24	-	-	89.14	31.74	10.51	30.15	400	201	A	V
		5925.04	52.73	-15.47	68.2	40.19	32.15	10.69	30.3	400	201	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	48.25	-25.75	74	54.12	40.04	15.01	60.92	100	0	P	H
		17160	50.3	-17.9	68.2	50.06	40.72	18.43	58.91	100	0	P	H
		17989	60.04	-13.96	74	50.12	48.8	19.03	57.91	200	124	P	H
		17989	49.12	-4.88	54	39.2	48.8	19.03	57.91	200	124	A	H
		11440	48.2	-25.8	74	54.07	40.04	15.01	60.92	100	0	P	V
		17160	50.01	-18.19	68.2	49.77	40.72	18.43	58.91	100	0	P	V
		17989	60.28	-13.72	74	50.36	48.8	19.03	57.91	100	58	P	V
		17989	49.37	-4.63	54	39.45	48.8	19.03	57.91	100	58	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 144 5720MHz		5435.02	51.25	-22.75	74	39.46	31.54	10.24	29.99	100	21	P	H
		5469.73	50.98	-17.22	68.2	39.1	31.6	10.27	29.99	100	21	P	H
		5457.64	41.61	-12.39	54	29.74	31.6	10.26	29.99	100	21	A	H
	*	5720	113.17	-	-	101.07	31.74	10.51	30.15	100	21	P	H
	*	5720	104.76	-	-	92.66	31.74	10.51	30.15	100	21	A	H
		5894.5	53.02	-15.18	68.2	40.53	32.09	10.67	30.27	100	21	P	H
		5412.4	51.89	-22.11	74	40.22	31.45	10.22	30	366	338	P	V
		5466.22	50.77	-17.43	68.2	38.89	31.6	10.27	29.99	366	338	P	V
		5439.31	41.59	-12.41	54	29.78	31.56	10.24	29.99	366	338	A	V
	*	5720	109.26	-	-	97.16	31.74	10.51	30.15	366	338	P	V
	*	5720	101.42	-	-	89.32	31.74	10.51	30.15	366	338	A	V
		5939.25	52.31	-15.89	68.2	39.74	32.18	10.7	30.31	366	338	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 144 5720MHz		11440	48.51	-25.49	74	54.38	40.04	15.01	60.92	100	0	P	H
		17160	50.86	-17.34	68.2	50.62	40.72	18.43	58.91	100	0	P	H
		17989	59.04	-14.96	74	49.12	48.8	19.03	57.91	200	135	P	H
		17989	49.79	-4.21	54	39.87	48.8	19.03	57.91	200	135	A	H
		11440	47.64	-26.36	74	53.51	40.04	15.01	60.92	100	0	P	V
		17160	50.94	-17.26	68.2	50.7	40.72	18.43	58.91	100	0	P	V
		18000	59.57	-14.43	74	49.43	49	19.04	57.9	100	76	P	V
		18000	50.12	-3.88	54	39.98	49	19.04	57.9	100	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 142 5710MHz		5387.44	51.55	-22.45	74	40.03	31.32	10.2	30	100	141	P	H
		5464.27	50.11	-18.09	68.2	38.24	31.6	10.26	29.99	100	141	P	H
		5458.03	42.76	-11.24	54	30.89	31.6	10.26	29.99	100	141	A	H
	*	5710	107.19	-	-	95.11	31.72	10.5	30.14	100	141	P	H
	*	5710	99.62	-	-	87.54	31.72	10.5	30.14	100	141	A	H
		5898.5	52.67	-15.53	68.2	40.18	32.1	10.67	30.28	100	141	P	H
		5455.69	51.5	-22.5	74	39.63	31.6	10.26	29.99	381	201	P	V
		5470.12	51.1	-98.9	150	39.22	31.6	10.27	29.99	381	201	P	V
		5394.07	42.51	-11.49	54	30.94	31.36	10.21	30	381	201	A	V
	*	5710	104.88	-	-	92.8	31.72	10.5	30.14	381	201	P	V
	*	5710	97.15	-	-	85.07	31.72	10.5	30.14	381	201	A	V
		5949.25	53.32	-14.88	68.2	40.73	32.2	10.7	30.31	381	201	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT40 CH 142 5710MHz		11420	47.98	-26.02	74	53.89	40.02	15	60.93	100	0	P	H
		17130	50.42	-17.78	68.2	50.3	40.66	18.4	58.94	100	0	P	H
		18000	58.7	-15.3	74	48.56	49	19.04	57.9	200	134	P	H
		18000	50.79	-3.21	54	40.65	49	19.04	57.9	200	134	A	H
		11420	48.49	-25.51	74	54.4	40.02	15	60.93	100	0	P	V
		17130	50.49	-17.71	68.2	50.37	40.66	18.4	58.94	100	0	P	V
		18000	59.23	-14.77	74	49.09	49	19.04	57.9	100	69	P	V
		18000	50.5	-3.5	54	40.36	49	19.04	57.9	100	69	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5438.14	51.83	-22.17	74	40.03	31.55	10.24	29.99	100	123	P	H
		5462.32	51.54	-16.66	68.2	39.67	31.6	10.26	29.99	100	123	P	H
		5429.56	42.49	-11.51	54	30.72	31.52	10.24	29.99	100	123	A	H
	*	5690	104.32	-	-	92.27	31.7	10.48	30.13	100	123	P	H
	*	5690	96.71	-	-	84.66	31.7	10.48	30.13	100	123	A	H
		5862.4	51.76	-16.44	68.2	39.35	32.02	10.64	30.25	100	123	P	H
		5428.39	51.13	-22.87	74	39.38	31.51	10.23	29.99	400	205	P	V
		5460.37	50.02	-18.18	68.2	38.15	31.6	10.26	29.99	400	205	P	V
		5455.69	42.11	-11.89	54	30.24	31.6	10.26	29.99	400	205	A	V
	*	5690	100.58	-	-	88.53	31.7	10.48	30.13	400	205	P	V
	*	5690	93.32	-	-	81.27	31.7	10.48	30.13	400	205	A	V
		5866	52.17	-16.03	68.2	39.74	32.03	10.65	30.25	400	205	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	47.74	-26.26	74	53.73	39.98	14.98	60.95	100	0	P	H
		17070	50.79	-17.41	68.2	50.85	40.6	18.36	59.02	100	0	P	H
		17978	58.82	-15.18	74	49.12	48.6	19.03	57.93	200	121	P	H
		17978	50.33	-3.67	54	40.63	48.6	19.03	57.93	200	121	A	H
		11380	48.67	-25.33	74	54.66	39.98	14.98	60.95	100	0	P	V
		17070	50.44	-17.76	68.2	50.5	40.6	18.36	59.02	100	0	P	V
		18000	59.82	-14.18	74	49.68	49	19.04	57.9	100	61	P	V
		18000	50.71	-3.29	54	40.57	49	19.04	57.9	100	61	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

WIFI 802.11n HT40 (SHF @ 3m)[illegible]



Emission below 1GHz

WIFI 802.11n HT40 (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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30.97	20.01	-19.99	40	29.98	21.85	0.68	32.5	-	-	P	H
		66.86	24.02	-15.98	40	43.05	12.39	1.12	32.54	-	-	P	H
		157.07	34.25	-9.25	43.5	48.08	16.88	1.79	32.5	-	-	P	H
		180.35	22.98	-20.52	43.5	38.31	15.2	1.95	32.48	-	-	P	H
		793.39	33.42	-12.58	46	34.07	27.68	3.87	32.2	-	-	P	H
		896.21	39.02	-6.98	46	37.94	28.58	4.15	31.65	100	0	P	H
													H
													H
													H
													H
													H
													H
		32.91	20.64	-19.36	40	30.77	21.69	0.7	32.52	-	-	P	V
		141.55	23.05	-20.45	43.5	36.33	17.52	1.7	32.5	-	-	P	V
		561.56	26.9	-19.1	46	30.41	25.84	3.25	32.6	-	-	P	V
		638.19	27.88	-18.12	46	30.74	26.07	3.45	32.38	-	-	P	V
		783.69	33.76	-12.24	46	34.48	27.69	3.84	32.25	-	-	P	V
		910.76	39.1	-6.9	46	37.75	28.71	4.2	31.56	100	0	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



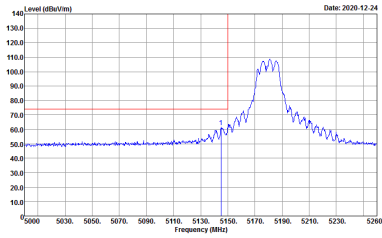
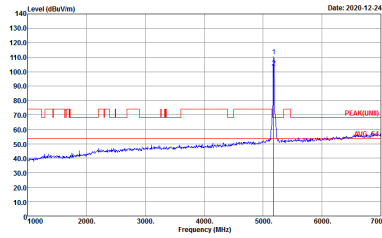
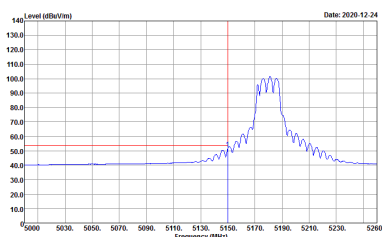
Appendix D. Radiated Spurious Emission

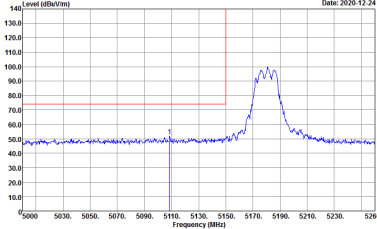
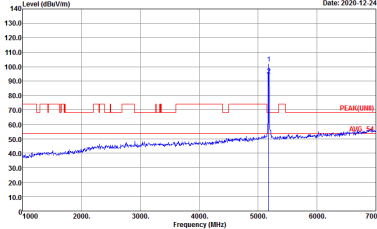
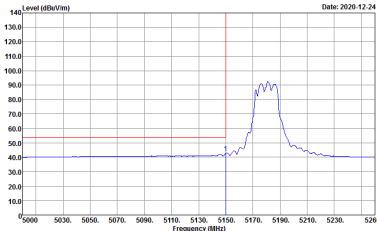
Test Engineer :	Leo Lee, Mancy Chou, and Bigshow Wang	Temperature :	20.1~26.1°C
		Relative Humidity :	46~65%

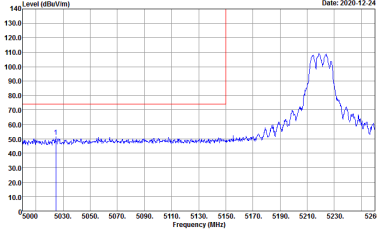
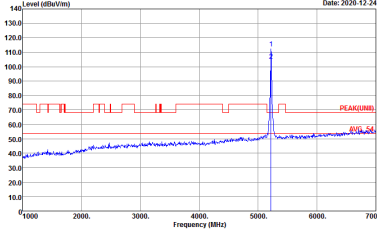
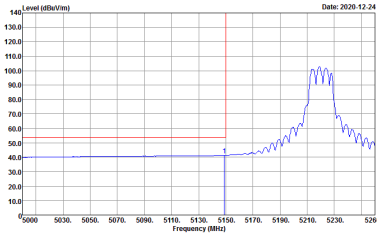
Note symbol

-L	Low channel location
-R	High channel location

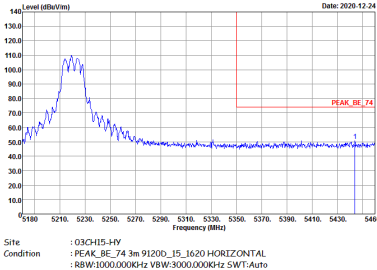
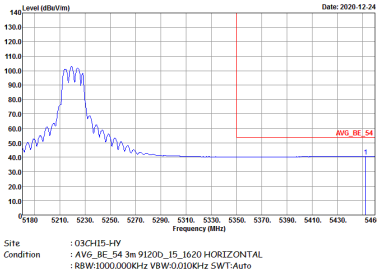
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

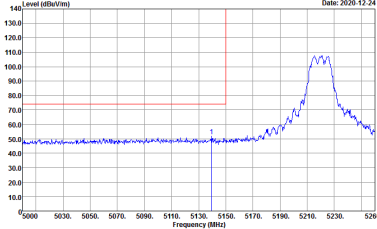
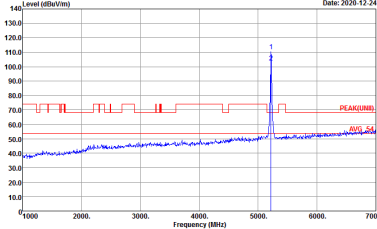
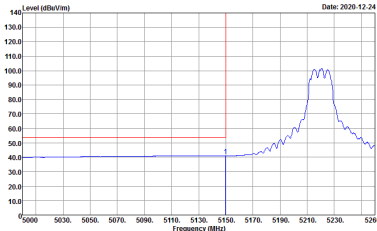
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

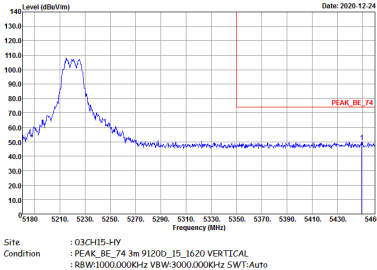
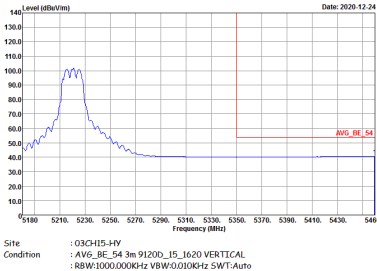


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

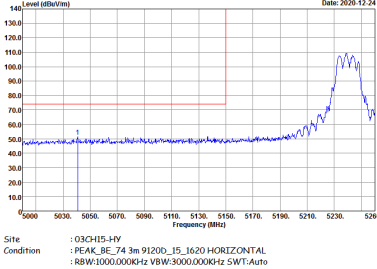
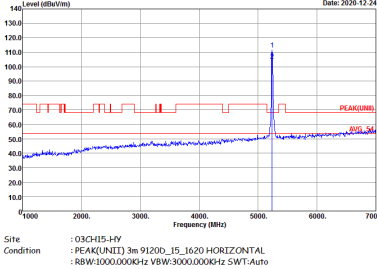
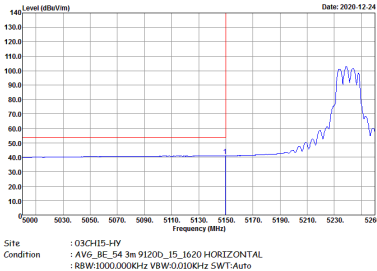


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

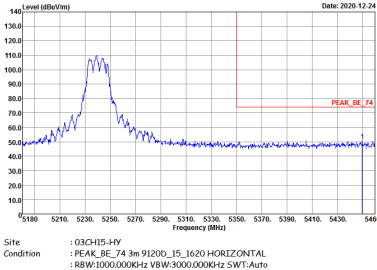
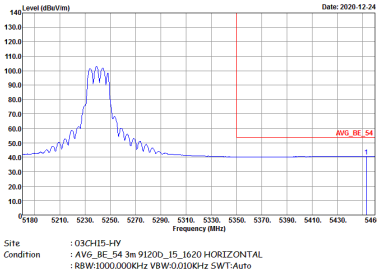


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

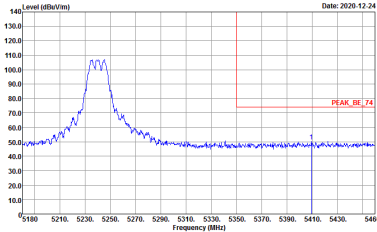
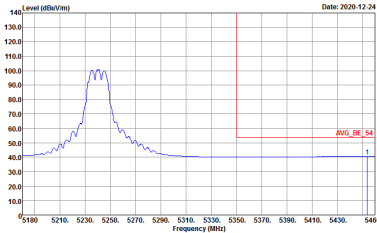


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



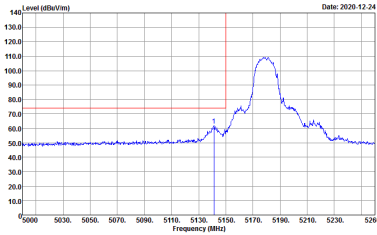
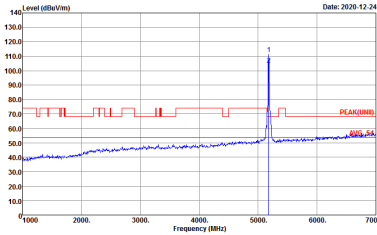
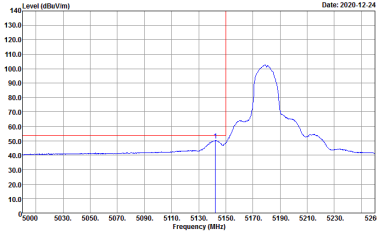
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



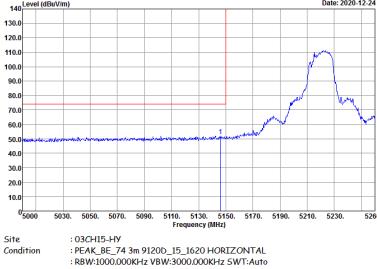
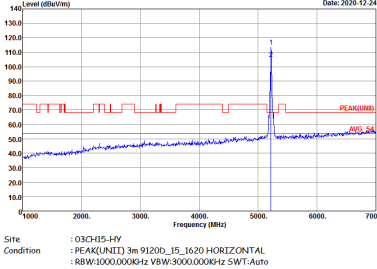
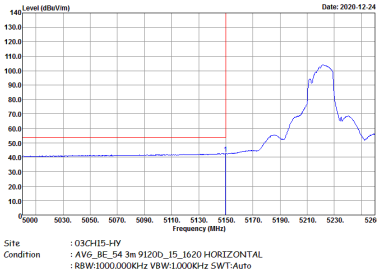
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-24	 Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-24
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Date: 2020-12-24	Left blank

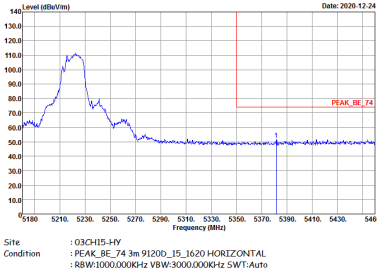
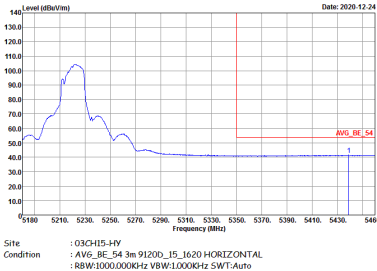


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

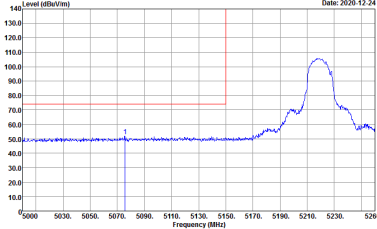
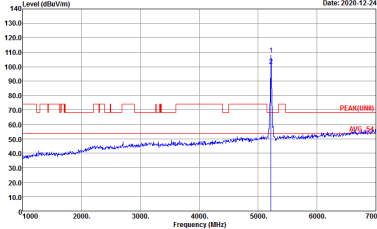
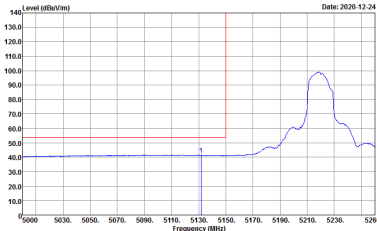


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

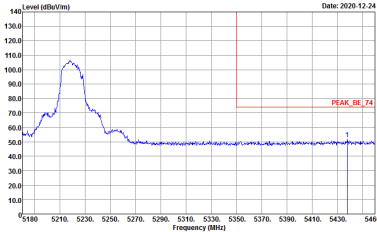
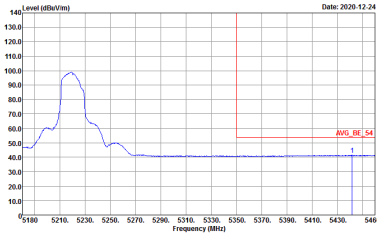


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

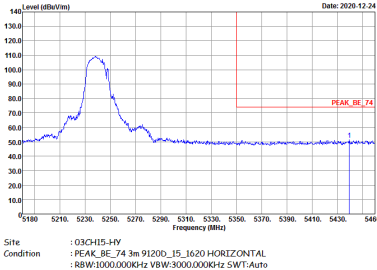
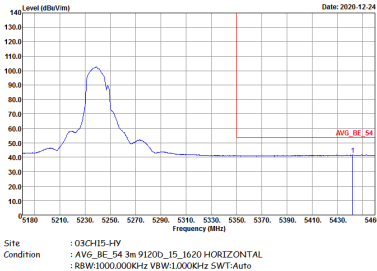


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

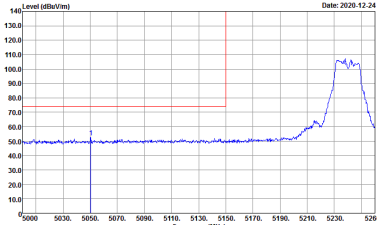
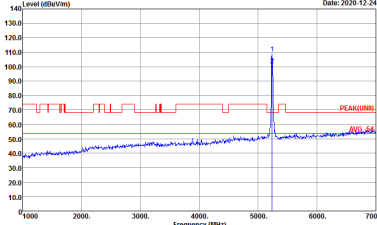
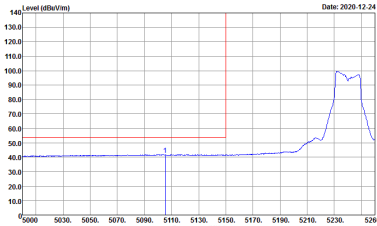


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

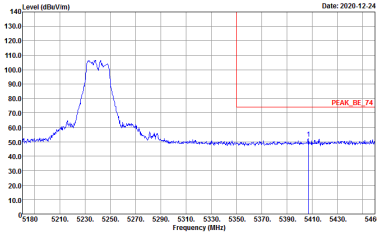
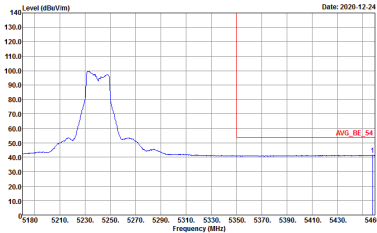


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

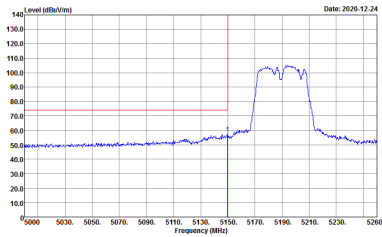
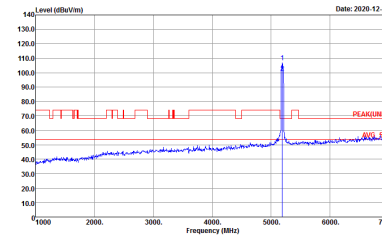
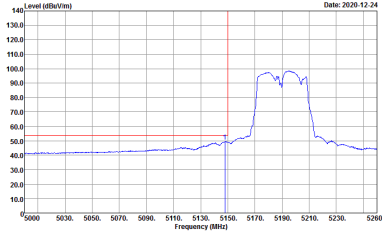


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 093032-02	 Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

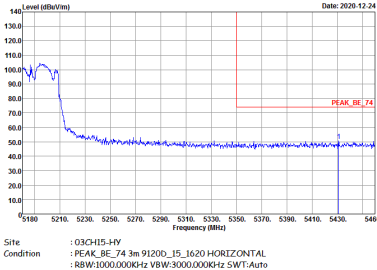
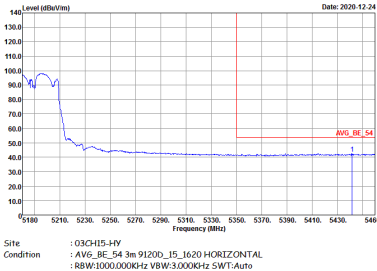


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

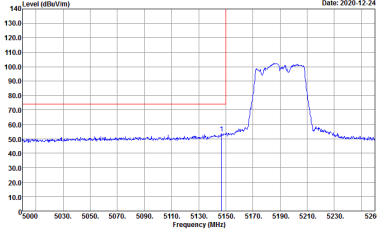
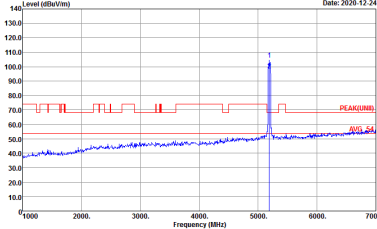
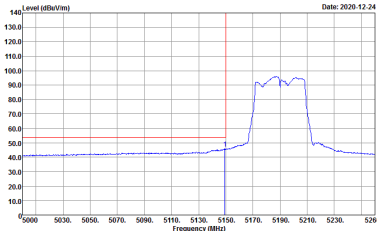
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

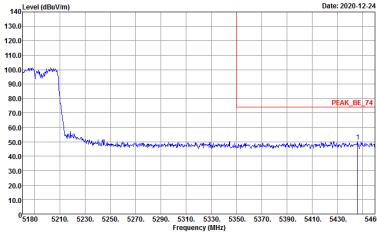
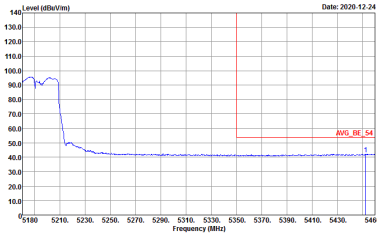


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

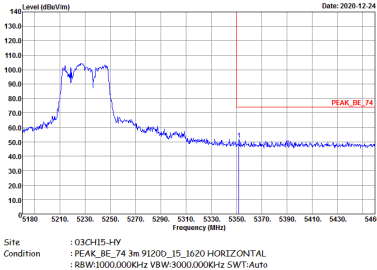
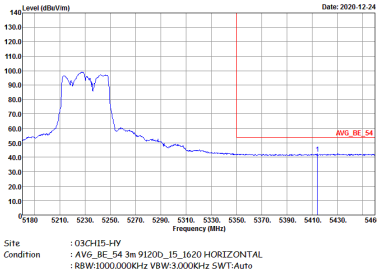


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

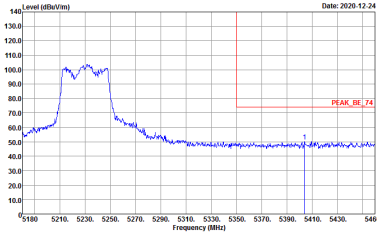
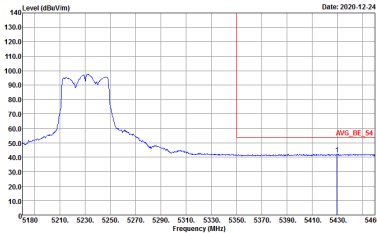


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



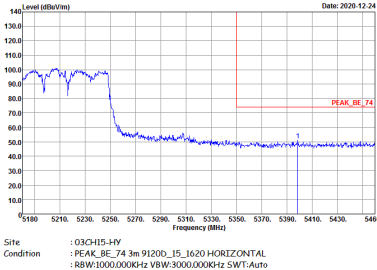
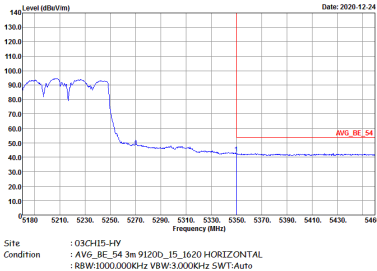
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



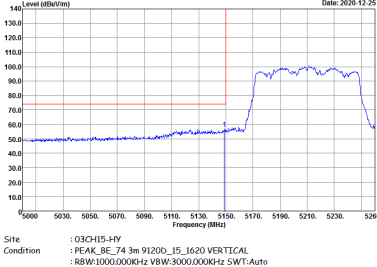
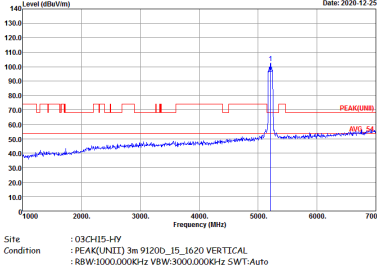
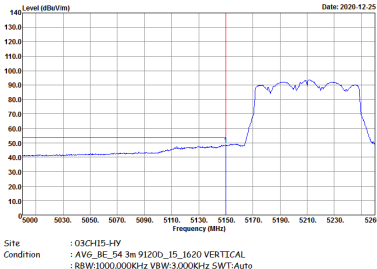
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

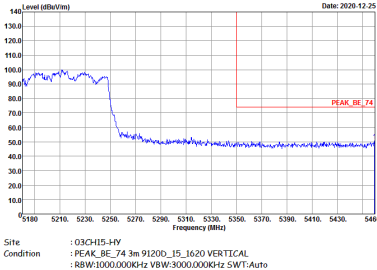
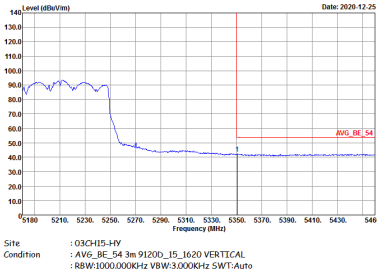


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



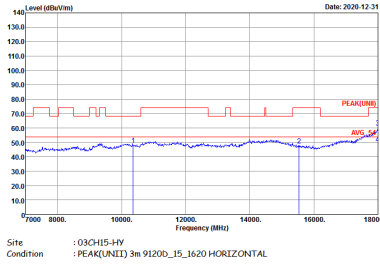
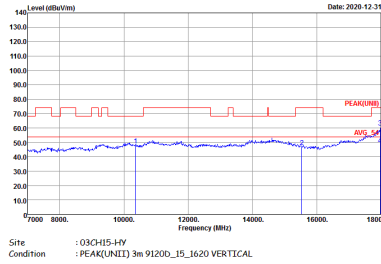
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



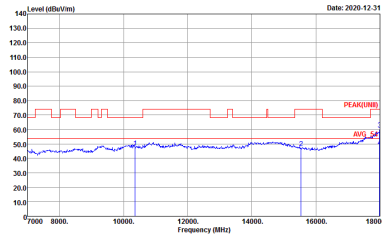
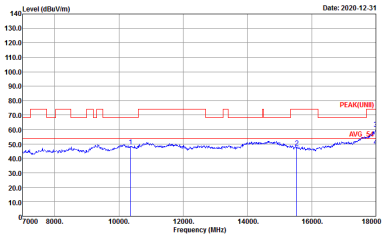
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/1m) Date: 2020-12-31 Frequency (MHz) Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/1m) Date: 2020-12-31 Frequency (MHz) Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



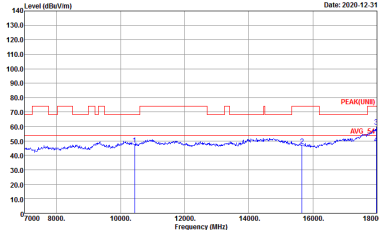
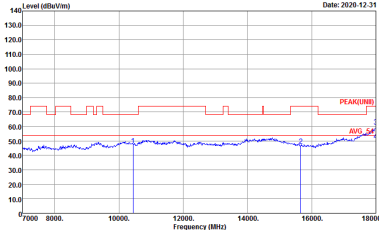
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/1m) Date: 2020-12-31 Frequency (MHz) Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/1m) Date: 2020-12-31 Frequency (MHz) Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



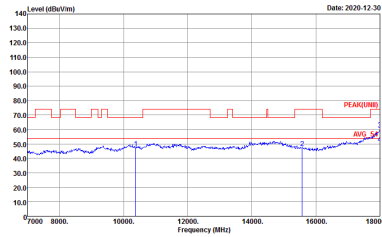
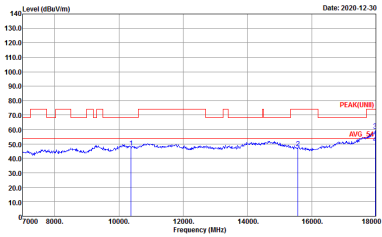
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



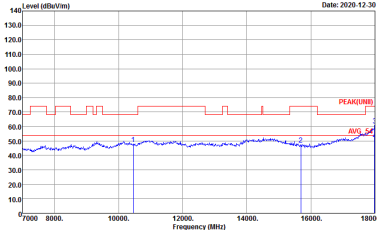
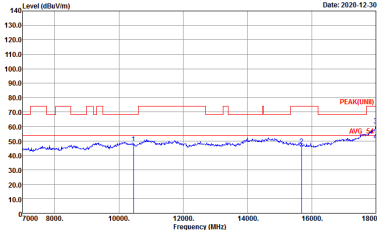
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/100) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/100) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

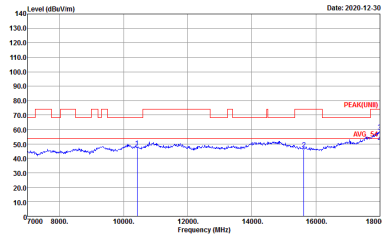
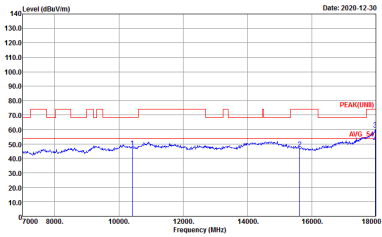
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

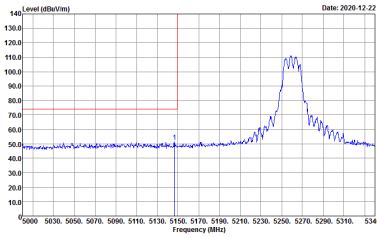
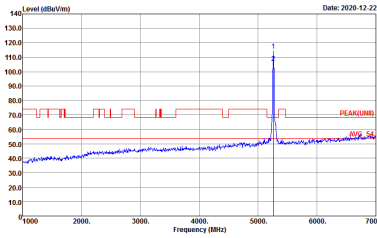
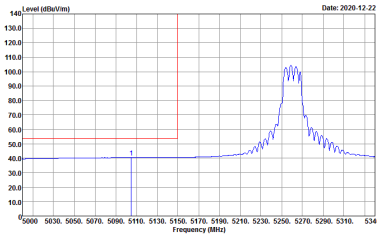


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

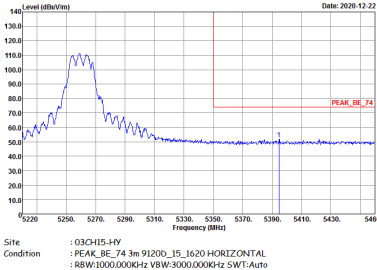
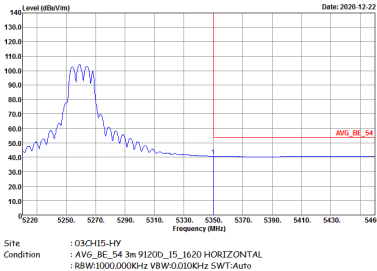
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 VERTICAL

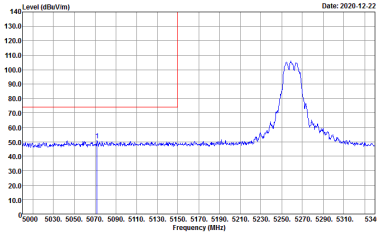
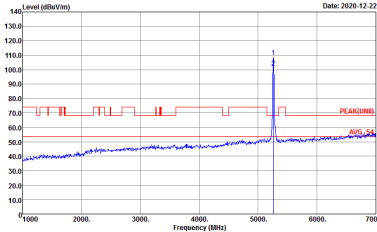
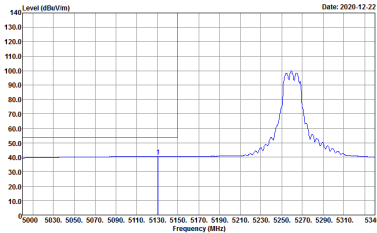


Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

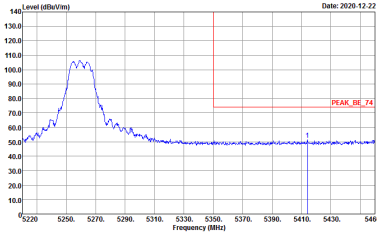
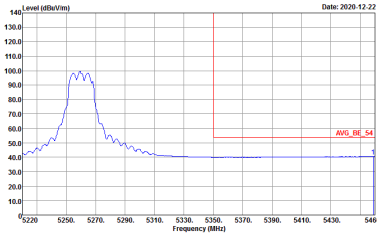
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



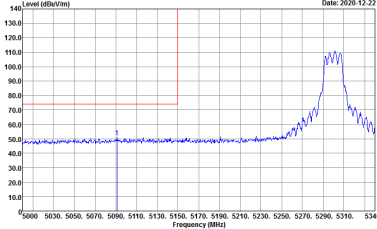
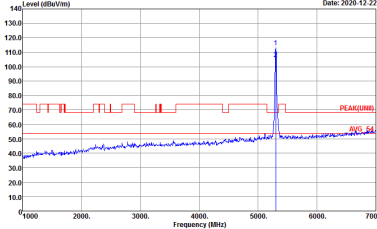
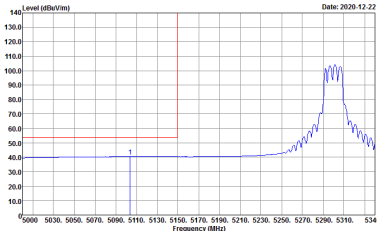
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

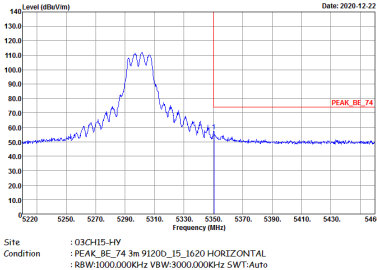
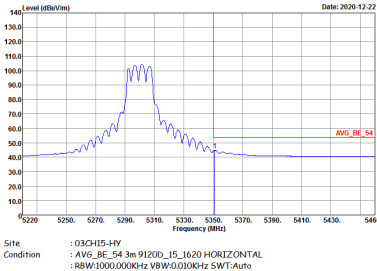


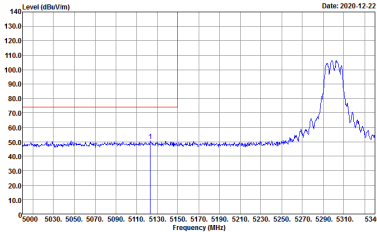
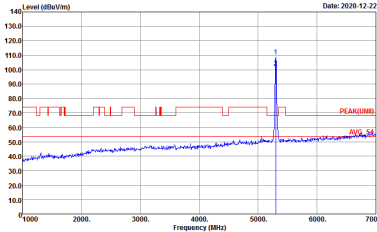
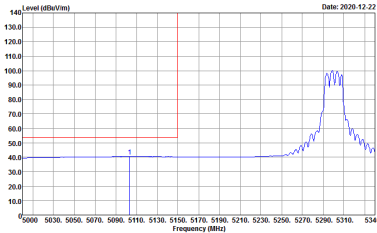
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank



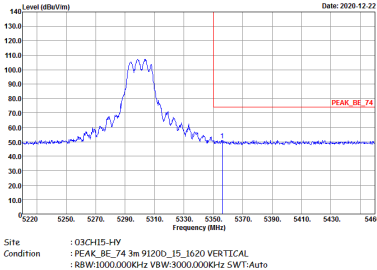
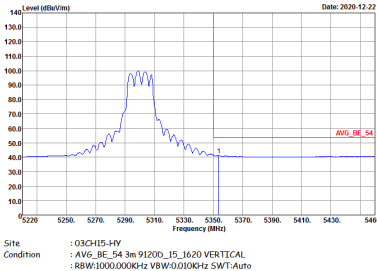
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



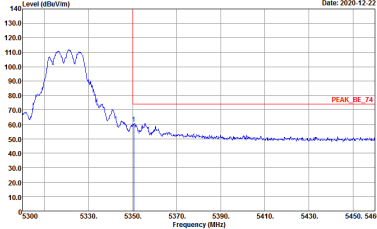
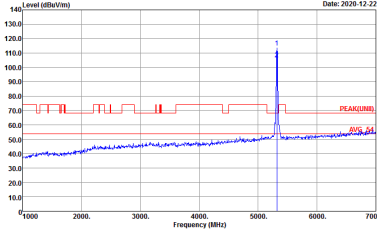
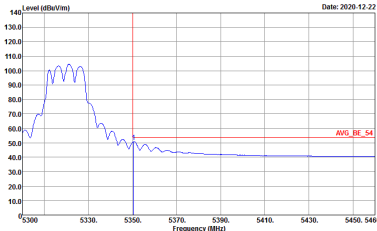
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



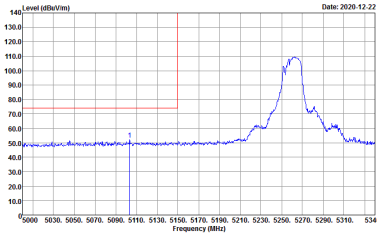
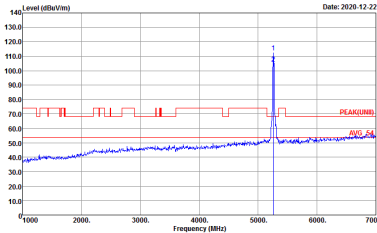
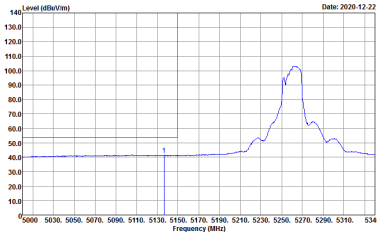
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK(FUND) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



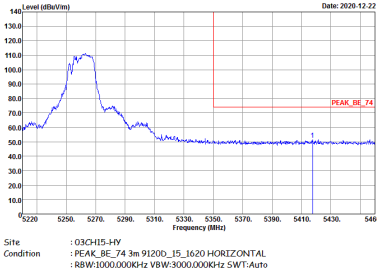
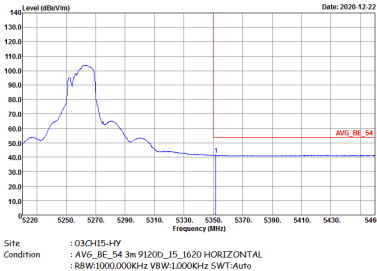
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(URB) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



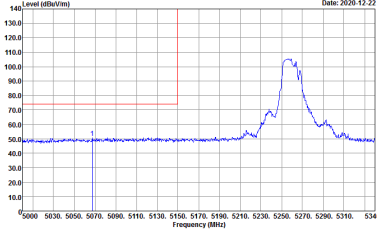
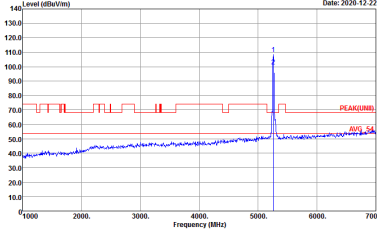
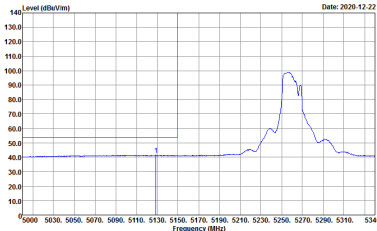
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

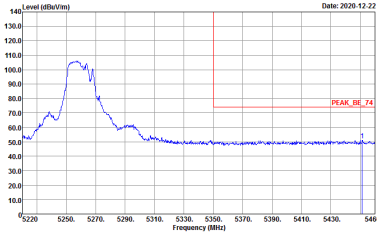
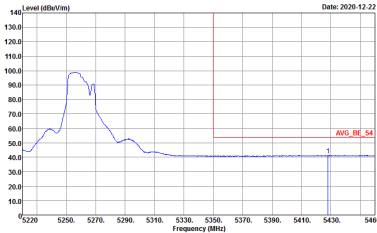


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

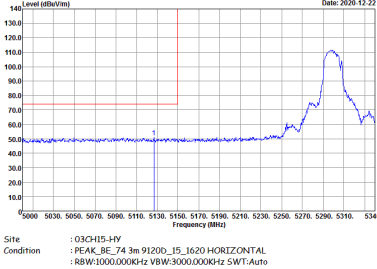
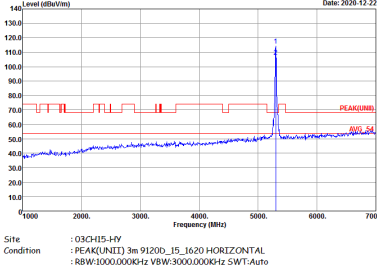
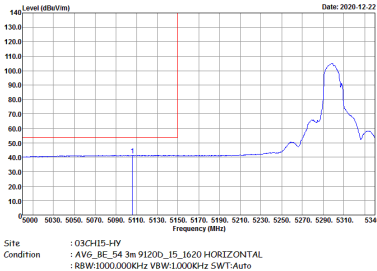


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

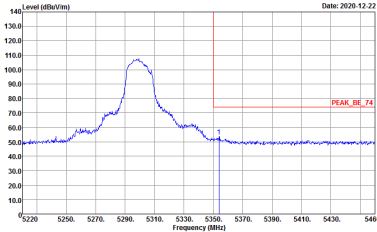
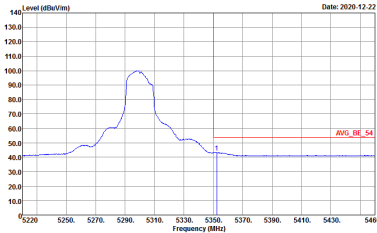


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4+3	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank



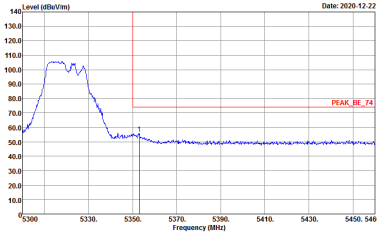
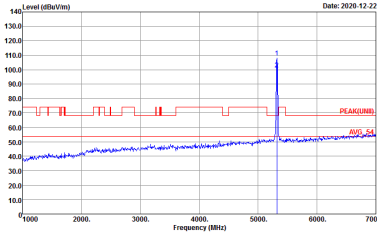
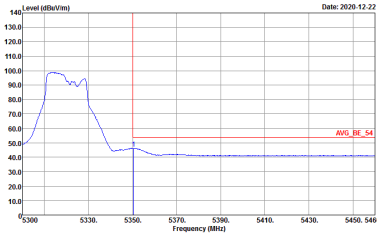
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9E_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

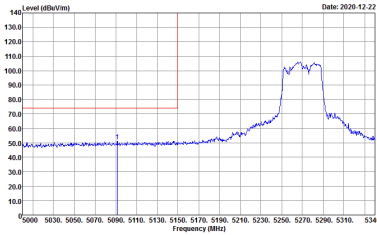
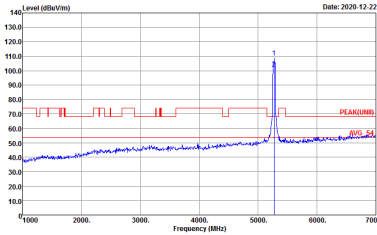
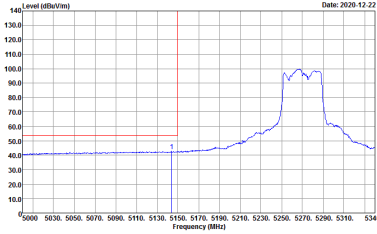


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(URB) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

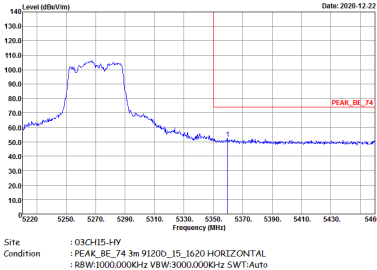
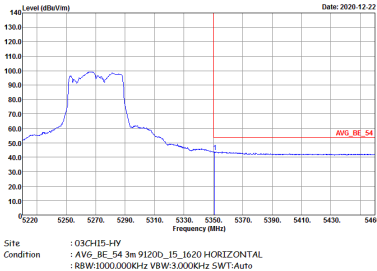
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUNB)_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



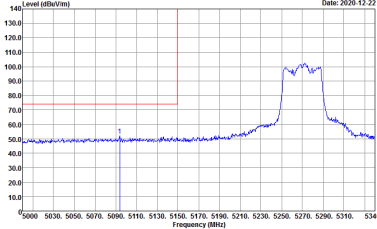
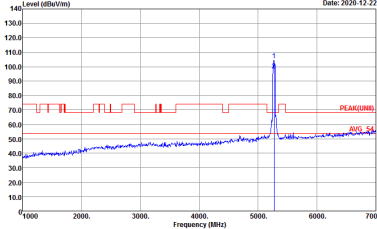
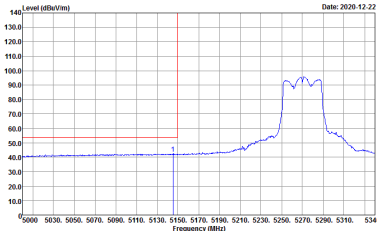
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

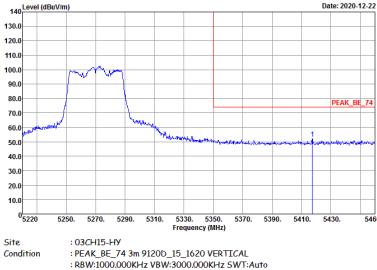
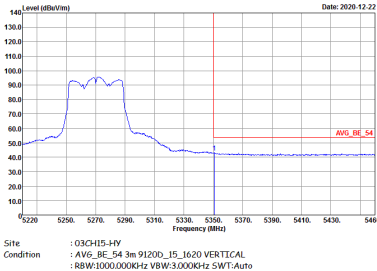


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
4+3	Vertical	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

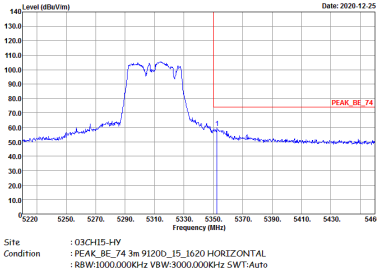
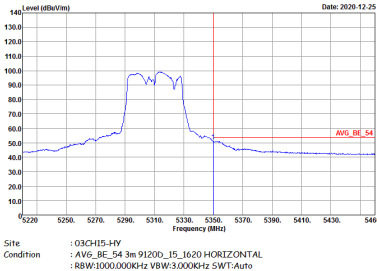


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
4+3	Vertical	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

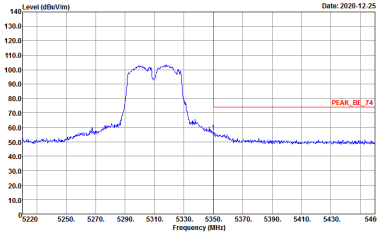
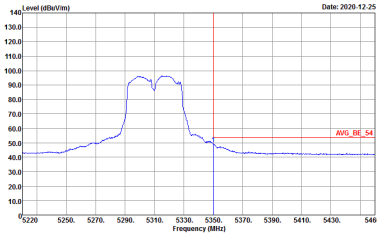


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



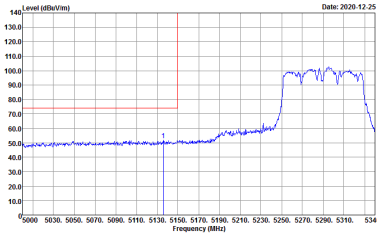
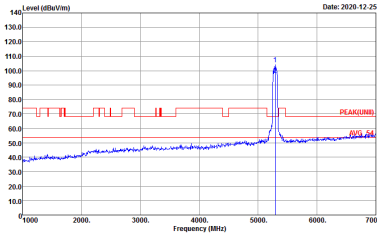
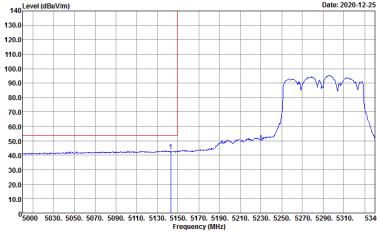
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



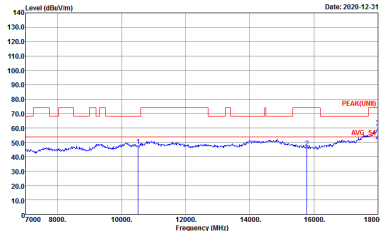
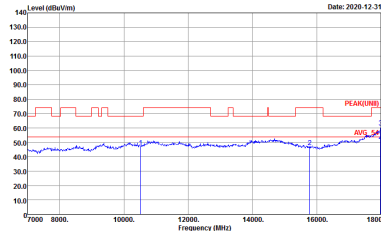
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



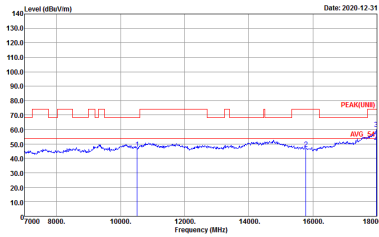
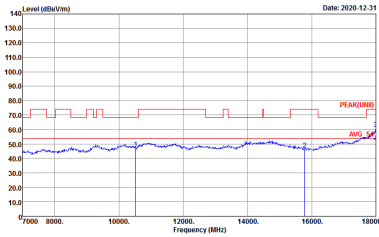
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/1m) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/1m) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



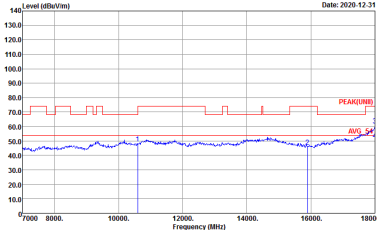
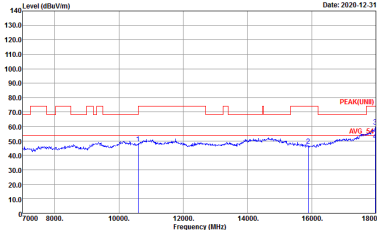
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/1m) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/1m) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 VERTICAL



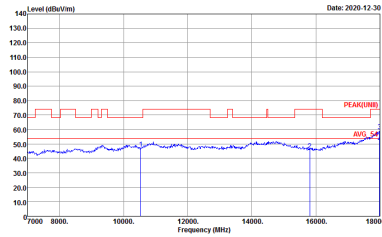
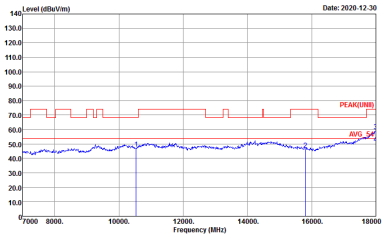
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



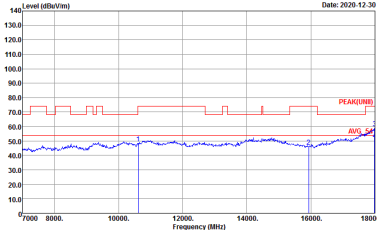
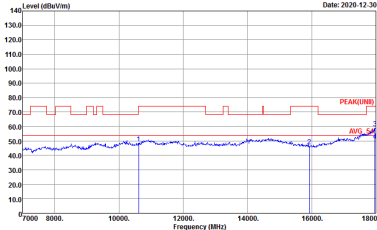
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/100) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/100) Date: 2020-12-31 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



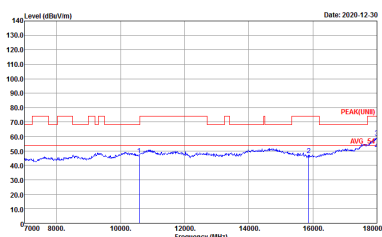
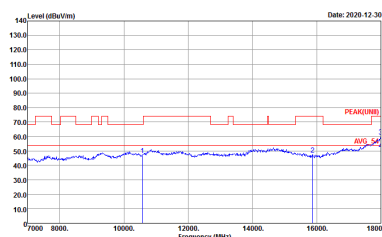
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 VERTICAL



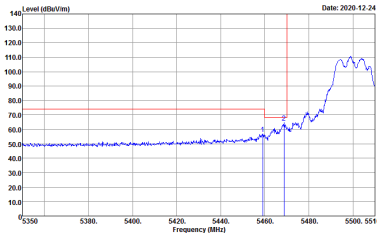
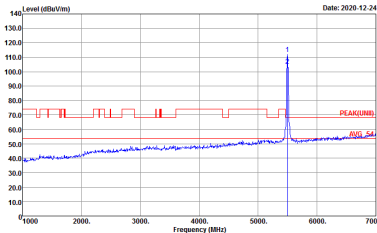
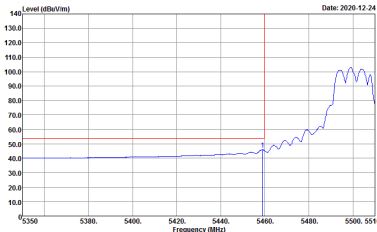
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

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

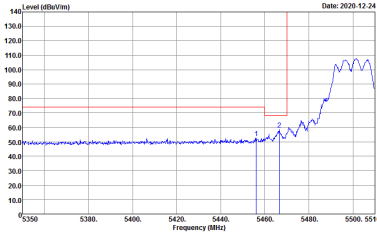
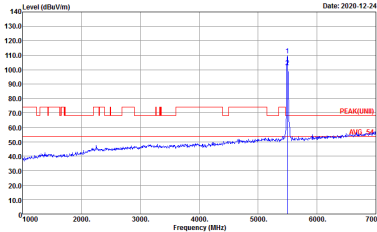
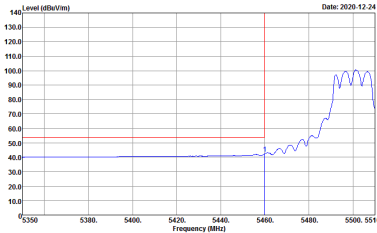
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 VERTICAL



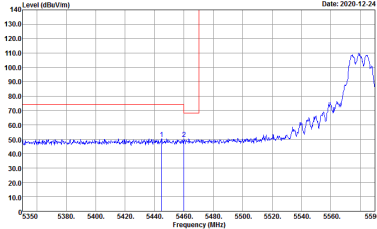
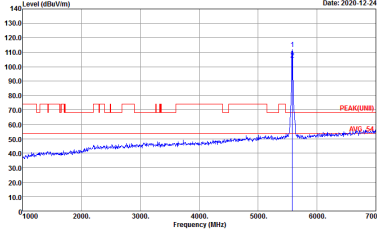
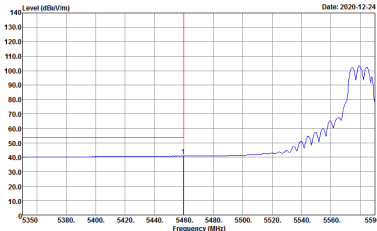
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

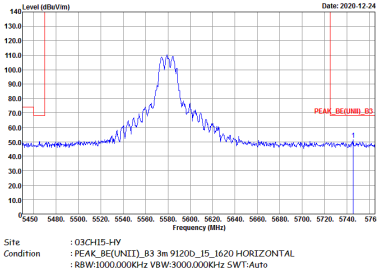


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:0.010KHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

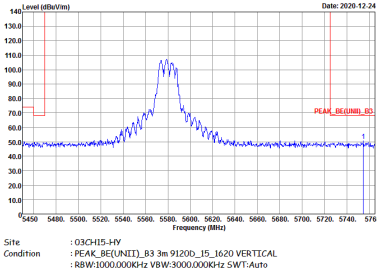


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank

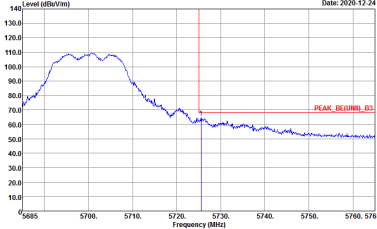
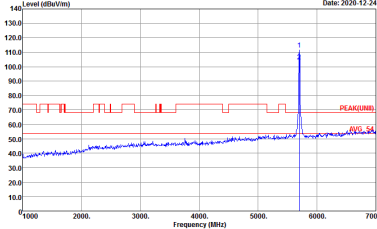


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-24	Left blank

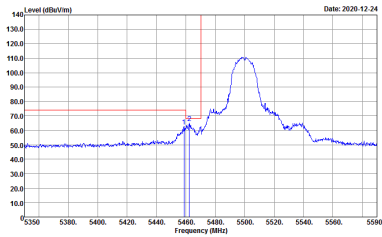
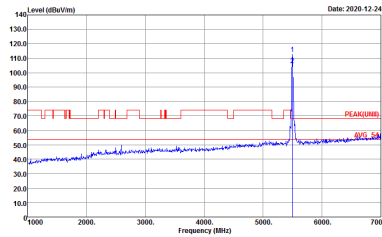
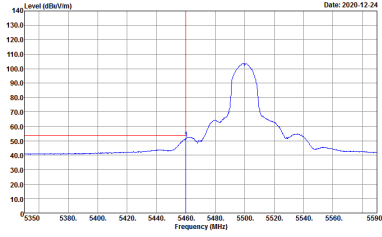


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_REC(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_REC(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+3	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2020-12-24 PEAK: 100.0dB, 5700.00MHz Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2020-12-24 PEAK: 100.0dB, 5700.00MHz Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto

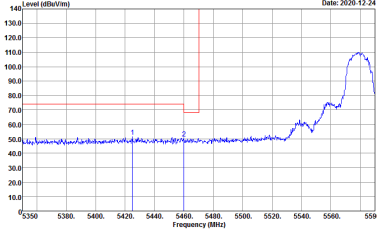
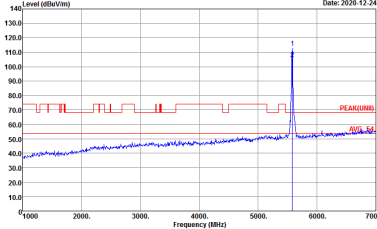
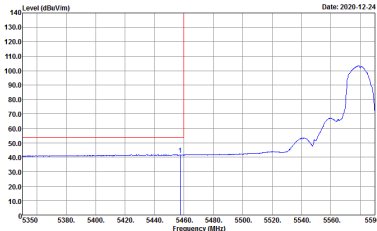
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

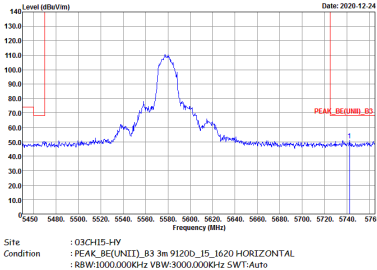


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

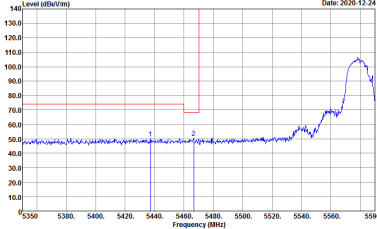
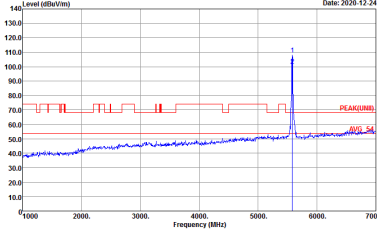
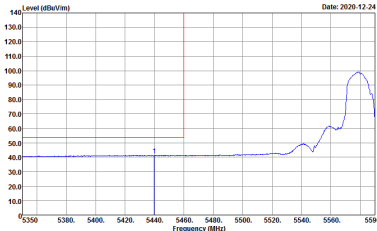


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

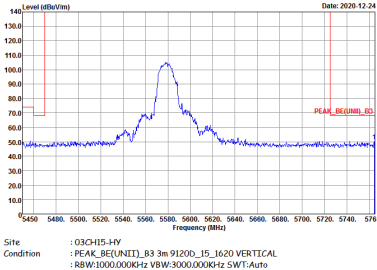


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank

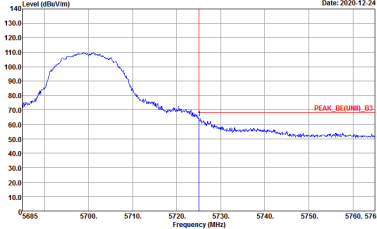
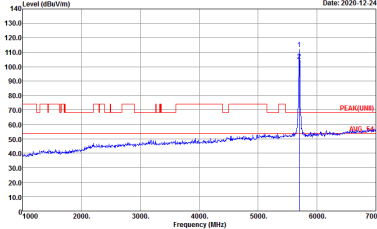


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:1000KHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-24	Left blank



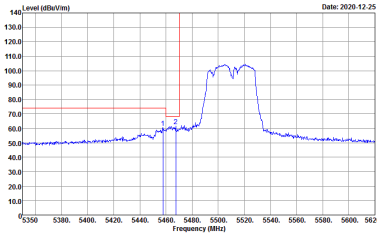
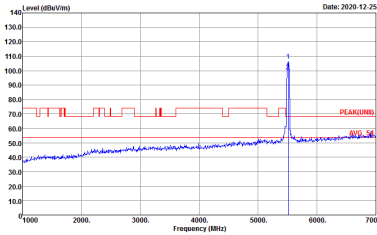
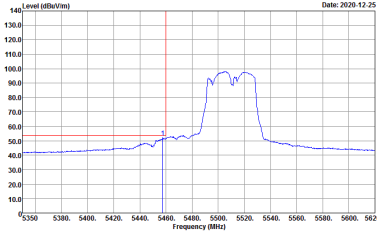
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto



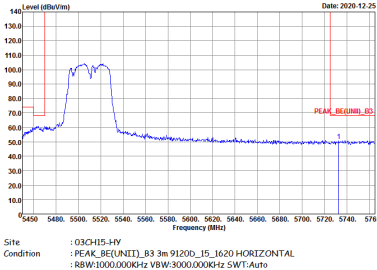
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4+3	Vertical	Fundamental
Peak.	Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto



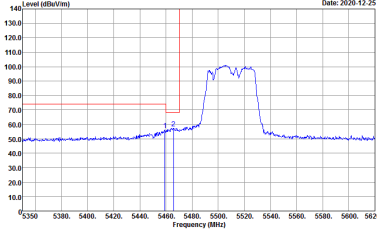
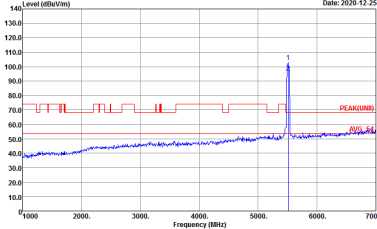
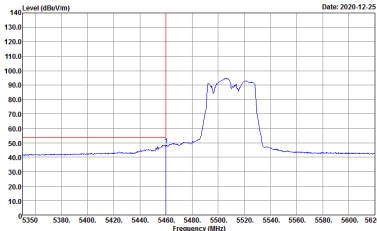
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

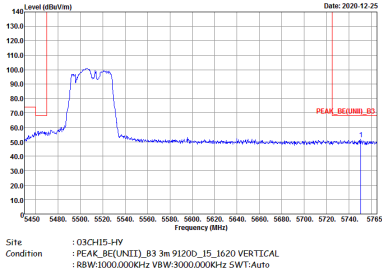


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2020-12-25	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

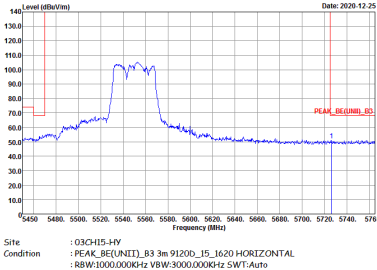


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-25	Left blank

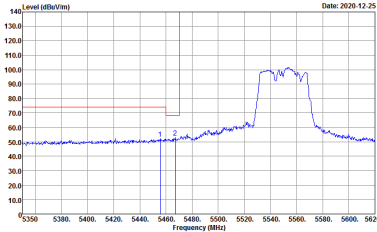
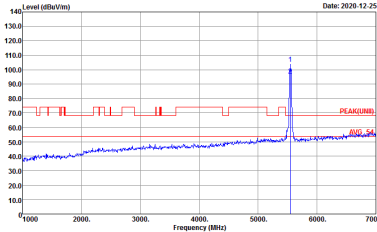
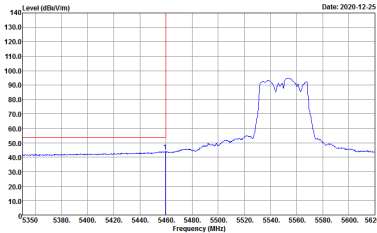


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

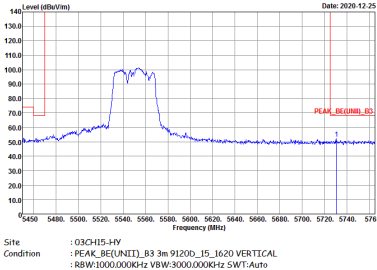


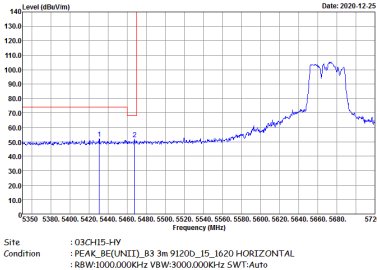
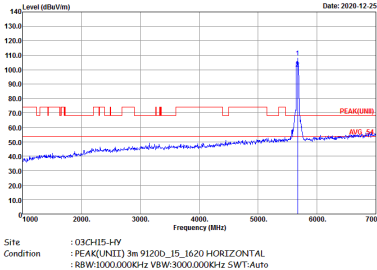
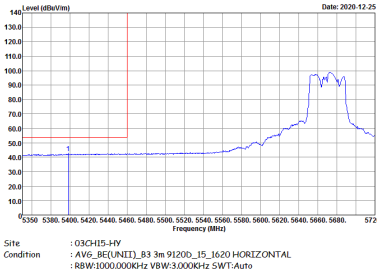
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2020-12-25	Left blank



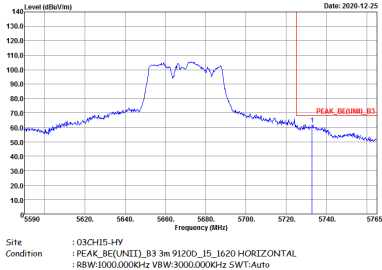
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



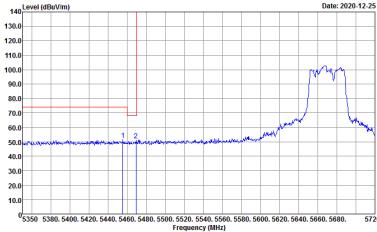
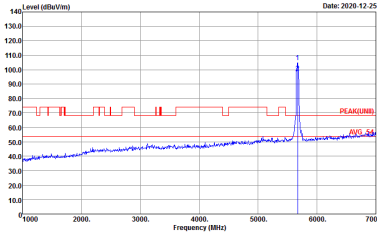
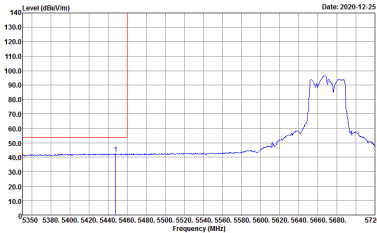
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-25	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

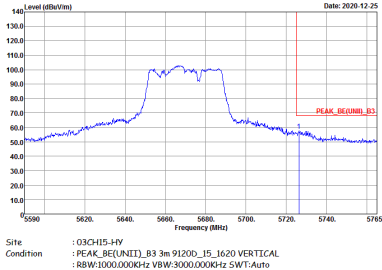


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank



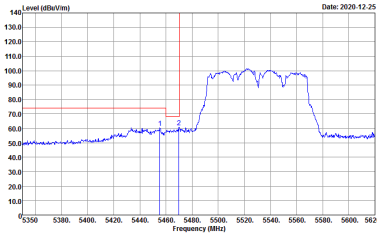
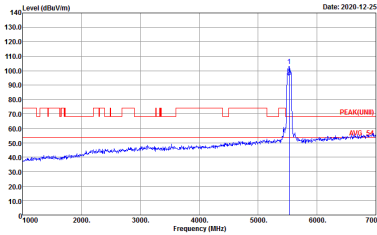
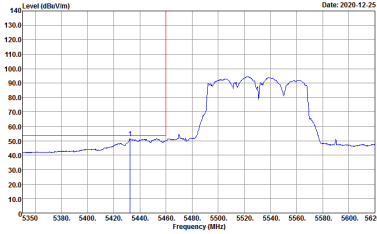
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



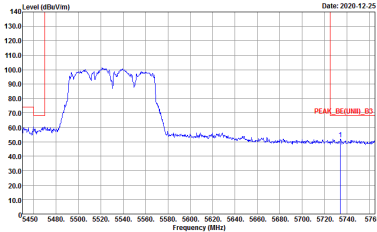
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

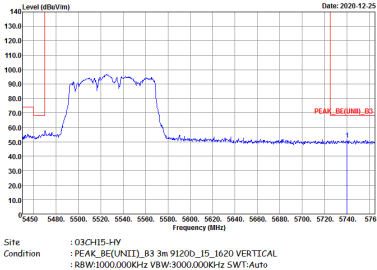


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

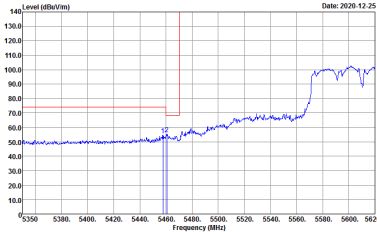
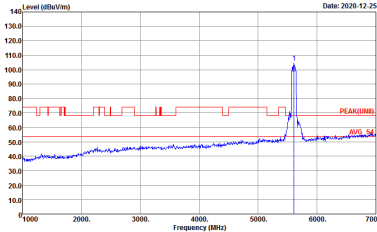
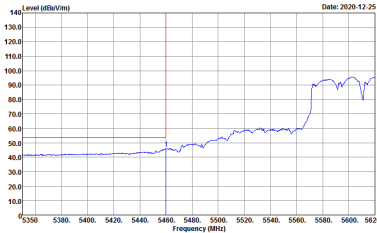


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

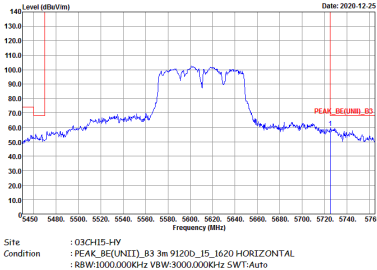


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-25	Left blank

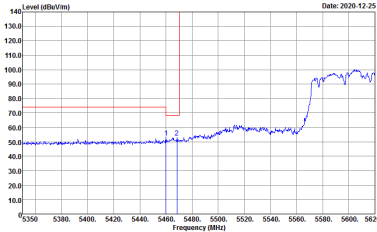
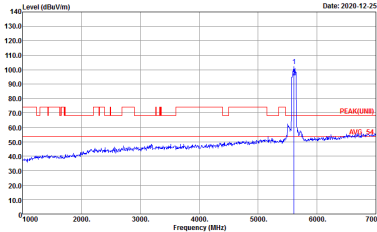
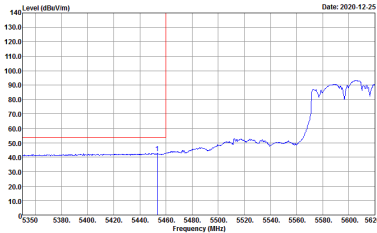


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

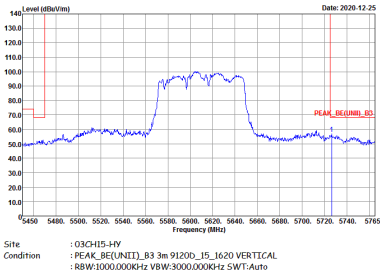


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-25	Left blank



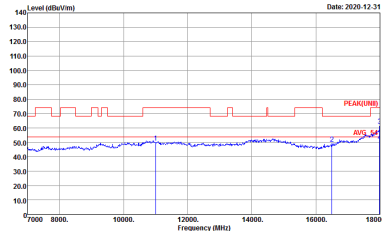
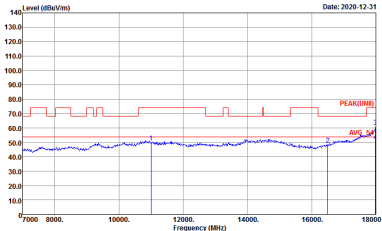
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_RE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-12-25	Left blank



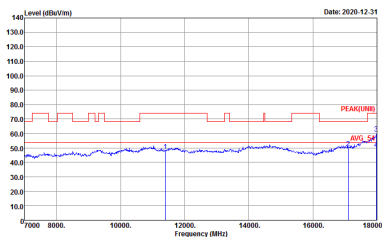
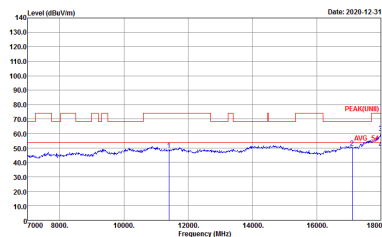
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

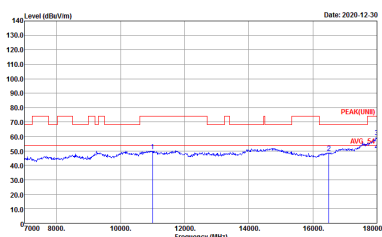
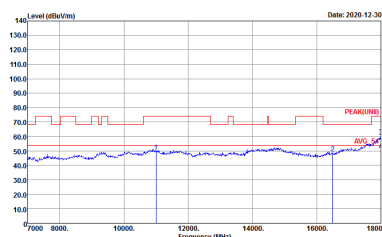


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/100) Date: 2020-12-31 Frequency (MHz) Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/100) Date: 2020-12-31 Frequency (MHz) Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

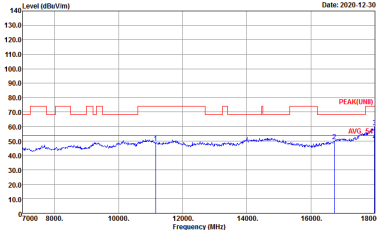
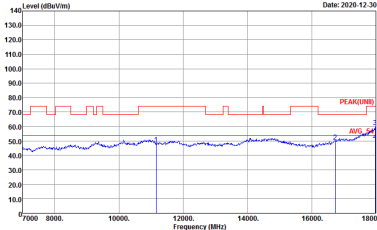


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 VERTICAL



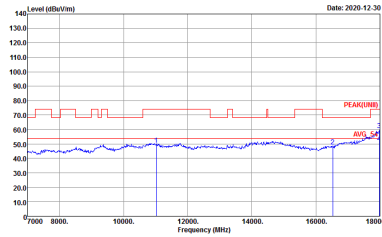
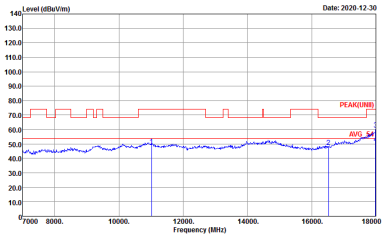
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : -PEAK(UNIT) 3m 91200_15_1620 VERTICAL



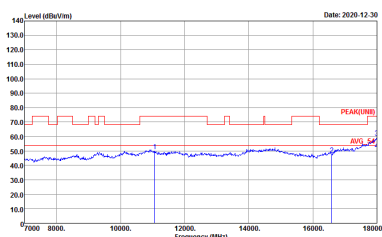
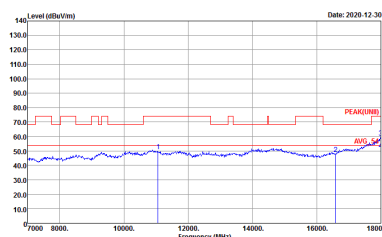
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



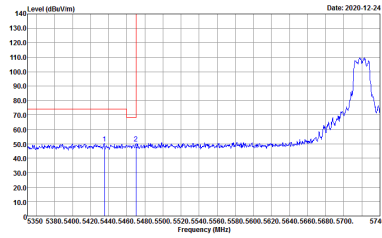
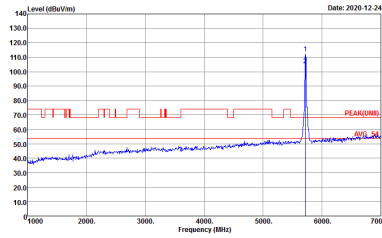
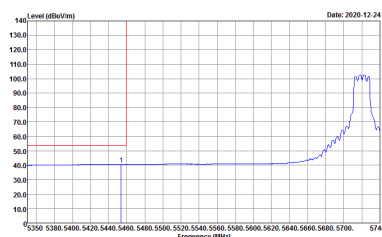
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

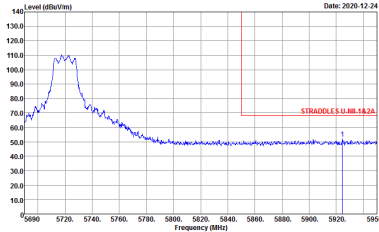


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Level (dBm/100) Date: 2020-12-30 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

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

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADDOLES U-NET-1A2A 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : U-NET-1A2A AVERAGE 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

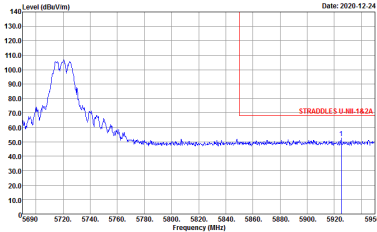


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADDOLES U-NB-142A 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

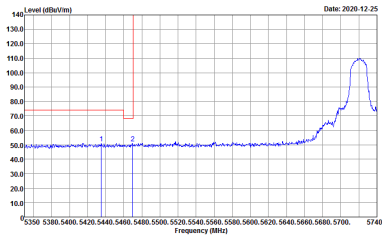
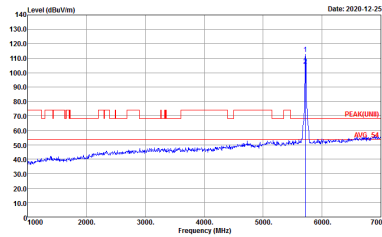
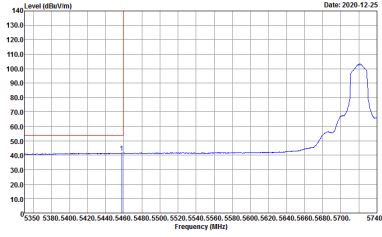


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : STRADDLES U-NIT-1A2A 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

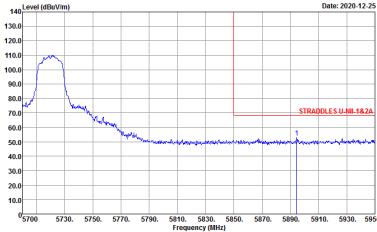


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADDOLES U-NB-142A 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

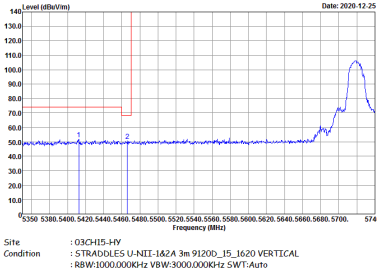
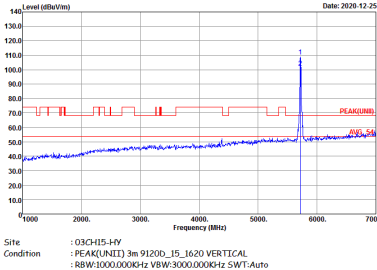
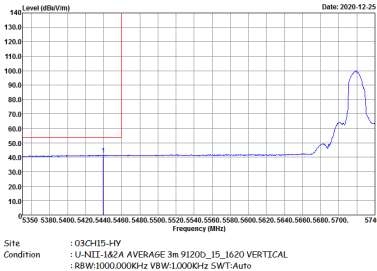
Band 3 – Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADDLES U-NIT-1A2A 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

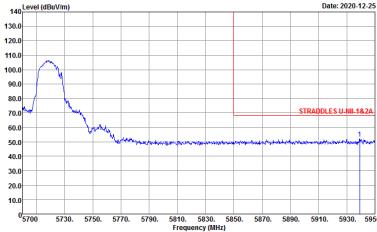


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADOLES U-HI-182A 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADDLES U-NIT-1A2A 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADOLES U-NII-142A 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank