FCC RADIO TEST REPORT

FCC ID	:	**O57FLEX5G14X05**
Equipment	:	**Notebook Computer**
Brand Name	:	**Lenovo**
Model Name	:	**Lenovo Flex 5G 14Q8CX05********, 82AK********, Yoga 5G 14Q8CX05********, 81XE******** (* = 0~9, A~Z, a~z, "-" or blank, for marketing use only, with no impact on RF compliance of the product)**
Applicant	:	**Lenovo (Shanghai) Electronics Technology Co., Ltd. Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone, Shanghai**
Manufacturer	:	**Lenovo PC HK Limited 23/F, Lincoln House, Taikoo Place, 979 King's Road, Quarry Bay, Hong Kong**
Standard	:	**FCC Part 15 Subpart E §15.407**

Equipment: Murata LBDD5WV1US-575 and HON LIN T99W175 tested inside of Lenovo Notebook Computer.

The product was received on Nov. 27, 2019 and testing was started from Nov. 28, 2019 and completed on Jan. 20, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issued Date
FR9N2705D	01	Initial issue of report	Feb. 18, 2020
FR9N2705D	02	Revise typographical error in the section 1.2 for U-NII Band 1 802.11ac VHT40 output power.	Feb. 24, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 0.10 dB at 5356.800 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 14.08 dB at 8.762 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	Notebook Computer
Brand Name	Lenovo
Model Name	Lenovo Flex 5G 14Q8CX05********, 82AK********, Yoga 5G 14Q8CX05********, 81XE******** (* = 0~9, A~Z, a~z, "-" or blank, for marketing use only, with no impact on RF compliance of the product)
FCC ID	O57FLEX5G14X05
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/RFID/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Murata LBDD5WV1US-575 and HON LIN T99W175 tested inside of Lenovo Notebook Computer.

Antenna Information			
Notebook Mode	**Antenna Type**	Main: PIFA Antenna	Aux: PIFA Antenna
	Part number	AML6Y-100089 (AM2RC000600)	AML6Y-100090 (AM2RC000700)
	Peak gain (dBi)	Main Antenna :	Aux. Antenna :
		WLAN (5GHz Band1): -1.93 WLAN (5GHz Band2): -2.18 WLAN (5GHz Band3): 0.23	WLAN (5GHz Band1): -1.98 WLAN (5GHz Band2): -1.98 WLAN (5GHz Band3): -1.74
Tablet Mode	**Antenna Type**	Main: PIFA Antenna	Aux: PIFA Antenna
	Part number	AML6Y-100089 (AM2RC000600)	AML6Y-100090 (AM2RC000700)
	Peak gain (dBi)	Main Antenna :	Aux. Antenna :
		WLAN (5GHz Band1): 1.90 WLAN (5GHz Band2): 1.95 WLAN (5GHz Band3): 1.93	WLAN (5GHz Band1): 1.81 WLAN (5GHz Band2): 0.89 WLAN (5GHz Band3): 1.88

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	**<5180 MHz ~ 5240 MHz>** **<Chain 1>** 802.11a : 10.30 dBm / 0.0107 W 802.11n HT20 : 10.00 dBm / 0.0100 W 802.11n HT40 : 10.20 dBm / 0.0105 W 802.11ac VHT20: 10.10 dBm / 0.0102 W 802.11ac VHT40: 10.30 dBm / 0.0107 W 802.11ac VHT80: 10.10 dBm / 0.0102 W **<Chain 2>** 802.11a : 10.30 dBm / 0.0107 W 802.11n HT20 : 10.10 dBm / 0.0102 W 802.11n HT40 : 10.00 dBm / 0.0100 W 802.11ac VHT20: 10.20 dBm / 0.0105 W 802.11ac VHT40: 10.10 dBm / 0.0102 W 802.11ac VHT80: 10.10 dBm / 0.0102 W **MIMO <Chain 1+2>** 802.11a : 13.46 dBm / 0.0222 W 802.11n HT20 : 13.21 dBm / 0.0209 W 802.11n HT40 : 13.26 dBm / 0.0212 W 802.11ac VHT20: 13.31 dBm / 0.0214 W 802.11ac VHT40: 13.36 dBm / 0.0217 W 802.11ac VHT80: 13.21 dBm / 0.0209 W **<5260 MHz ~ 5320 MHz>** **<Chain 1>** 802.11a : 10.30 dBm / 0.0107 W 802.11n HT20 : 10.10 dBm / 0.0102 W 802.11n HT40 : 10.10 dBm / 0.0102 W 802.11ac VHT20: 10.20 dBm / 0.0105 W 802.11ac VHT40: 10.20 dBm / 0.0105 W 802.11ac VHT80: 10.30 dBm / 0.0107 W **<Chain 2>** 802.11a : 10.30 dBm / 0.0107 W 802.11n HT20 : 10.20 dBm / 0.0105 W 802.11n HT40 : 10.30 dBm / 0.0107 W 802.11ac VHT20: 10.30 dBm / 0.0107 W 802.11ac VHT40: 10.40 dBm / 0.0110 W 802.11ac VHT80: 10.30 dBm / 0.0107 W **MIMO <Chain 1+2>** 802.11a : 13.46 dBm / 0.0222 W 802.11n HT20 : 13.36 dBm / 0.0217 W 802.11n HT40 : 13.36 dBm / 0.0217 W 802.11ac VHT20: 13.46 dBm / 0.0222 W 802.11ac VHT40: 13.41 dBm / 0.0219 W 802.11ac VHT80: 13.41 dBm / 0.0219 W

Standards-related Product Specification	
Maximum Output Power to Antenna	**<5500 MHz ~ 5720 MHz>** **<Chain 1>** 802.11a : 11.40 dBm / 0.0138 W 802.11n HT20 : 11.00 dBm / 0.0126 W 802.11n HT40 : 11.30 dBm / 0.0135 W 802.11ac VHT20: 11.10 dBm / 0.0129 W 802.11ac VHT40: 11.40 dBm / 0.0138 W 802.11ac VHT80: 11.40 dBm / 0.0138 W **<Chain 2>** 802.11a : 11.10 dBm / 0.0129 W 802.11n HT20 : 11.00 dBm / 0.0126 W 802.11n HT40 : 11.00 dBm / 0.0126 W 802.11ac VHT20: 11.10 dBm / 0.0129 W 802.11ac VHT40: 11.10 dBm / 0.0129 W 802.11ac VHT80: 11.20 dBm / 0.0132 W **MIMO <Chain 1+2>** 802.11a : 14.41 dBm / 0.0276 W 802.11n HT20 : 14.31 dBm / 0.0270 W 802.11n HT40 : 14.31 dBm / 0.0270 W 802.11ac VHT20: 14.36 dBm / 0.0273 W 802.11ac VHT40: 14.36 dBm / 0.0273 W 802.11ac VHT80: 14.46 dBm / 0.0279 W
Maximum Output Power to Antenna for Straddle Channel	**<Chain 1>** 802.11a : 11.40 dBm / 0.0138 W 802.11n HT20 : 11.00 dBm / 0.0126 W 802.11n HT40 : 11.10 dBm / 0.0129 W 802.11ac VHT20: 11.10 dBm / 0.0129 W 802.11ac VHT40: 11.20 dBm / 0.0132 W 802.11ac VHT80: 11.40 dBm / 0.0138 W **<Chain 2>** 802.11a : 11.10 dBm / 0.0129 W 802.11n HT20 : 11.00 dBm / 0.0126 W 802.11n HT40 : 11.00 dBm / 0.0126 W 802.11ac VHT20: 11.10 dBm / 0.0129 W 802.11ac VHT40: 11.10 dBm / 0.0129 W 802.11ac VHT80: 11.10 dBm / 0.0129 W **MIMO <Chain 1+2>** 802.11a : 14.36 dBm / 0.0273 W 802.11n HT20 : 14.31 dBm / 0.0270 W 802.11n HT40 : 14.21 dBm / 0.0264 W 802.11ac VHT20: 14.36 dBm / 0.0273 W 802.11ac VHT40: 14.31 dBm / 0.0270 W 802.11ac VHT80: 14.36 dBm / 0.0273 W
99% Occupied Bandwidth	802.11a : 16.78 MHz 802.11ac VHT20 : 18.03 MHz 802.11ac VHT40 : 36.66 MHz 802.11ac VHT80 : 76.24 MHz

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		Chain 1	Chain 2
	802.11 a/n/ac	V	V
	802.11 a/n/ac MIMO	V	V

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

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan
Test Site No.	**Sporton Site No.**
	03CH15-HY

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: All test items were verified and recorded according to the standards and without any deviation during the test.

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 notebook type and three orthogonal panels (X, Y, Z). The worst cases (Notebook mode) 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.

Single Mode (Covered by MIMO Mode)

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Tx + WLAN (5GHz) Tx + Adapter + Type-C × 1 + Earphone

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

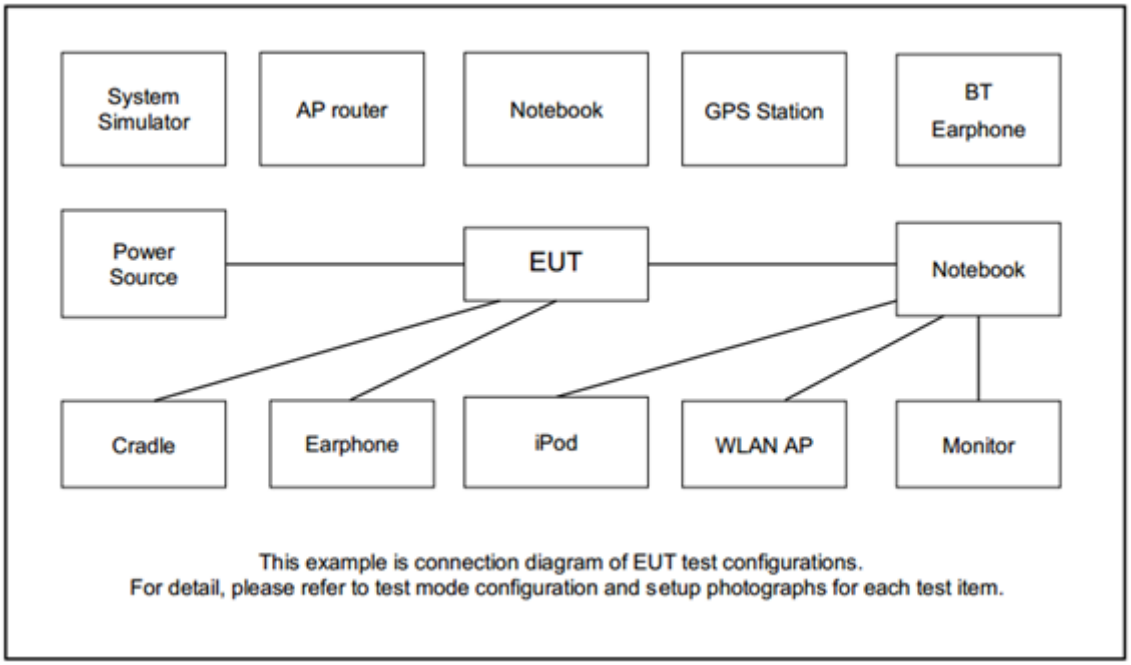
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	42	-	110
H	High	46	62	134
Straddle		-	-	142

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
2.	HD	lenovo	F310S	FCC DoC	Shielded, 0.5m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT_V 4.0.00142.0” was installed in EUT which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

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

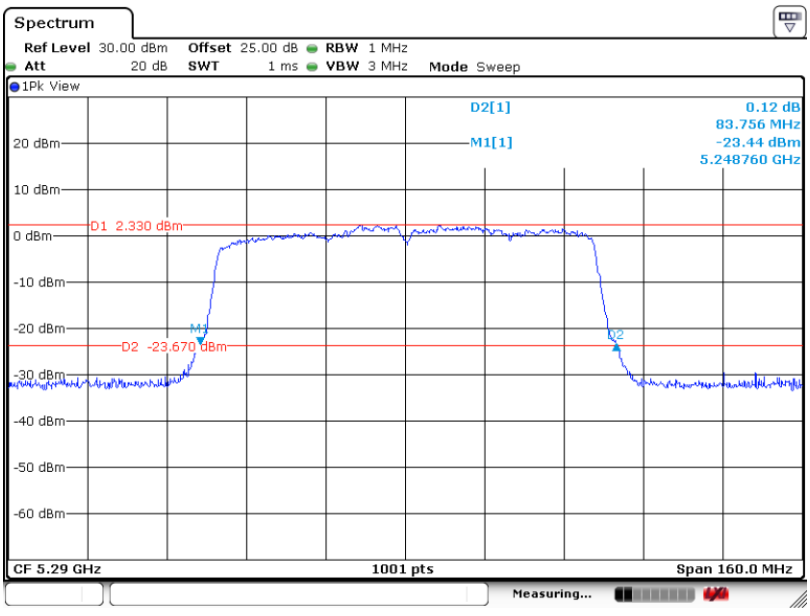
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup

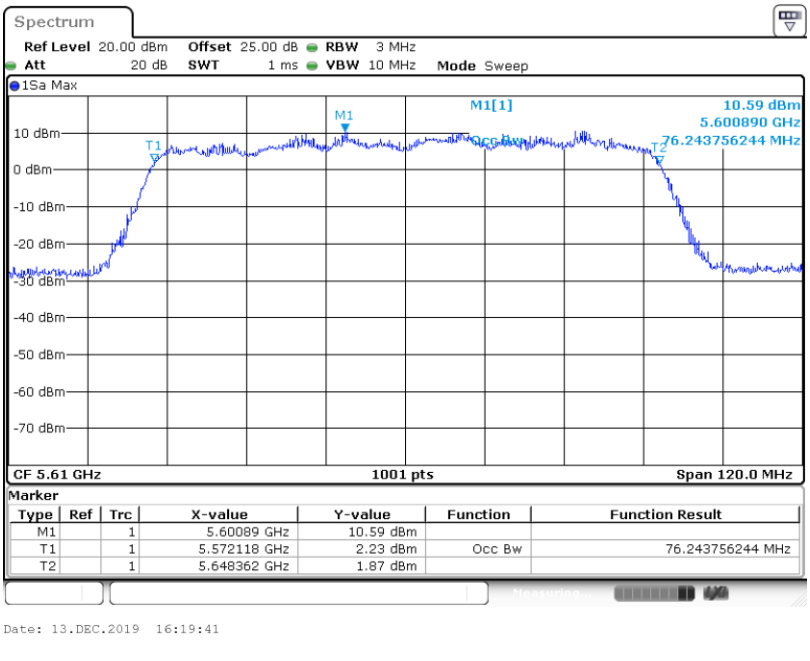
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

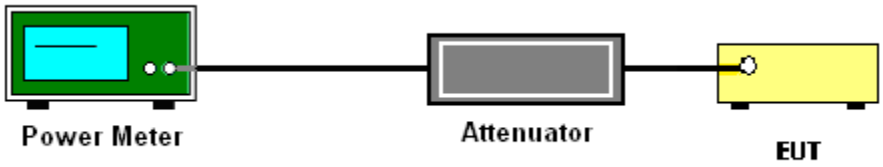
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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):

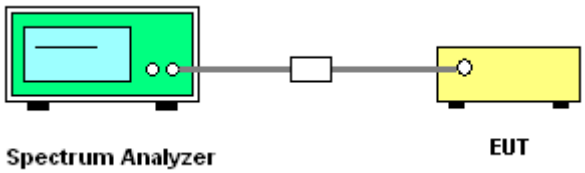
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the 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.

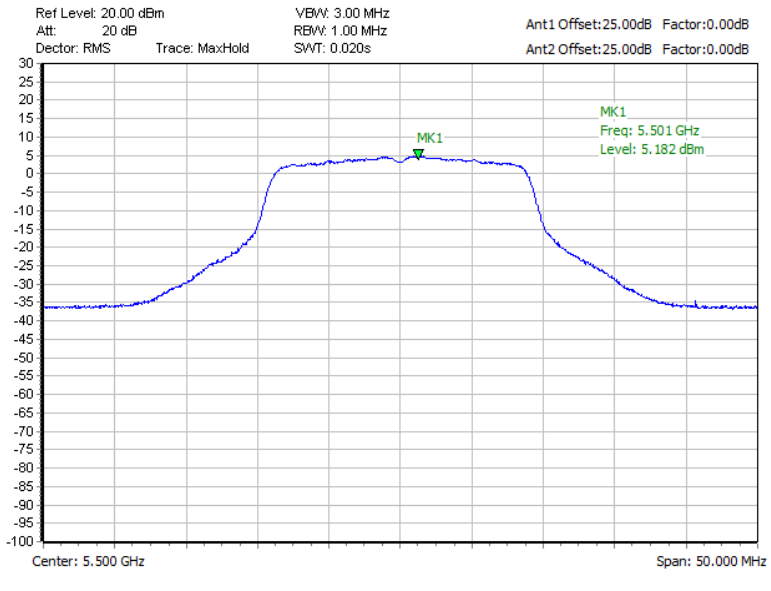
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

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

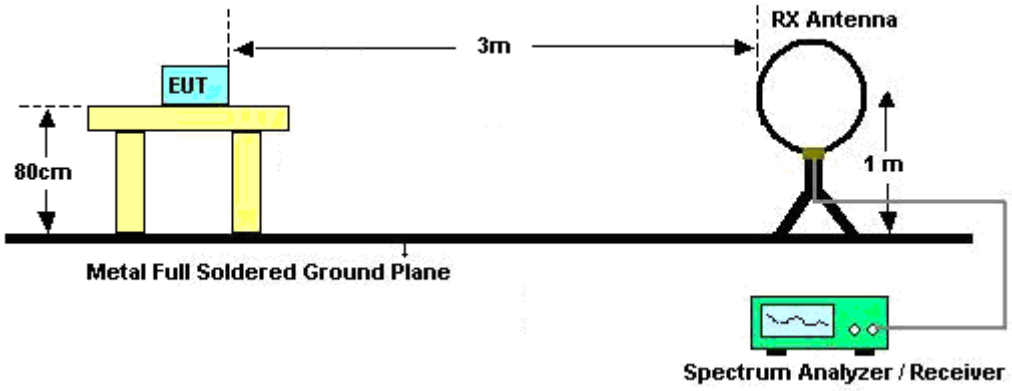
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.

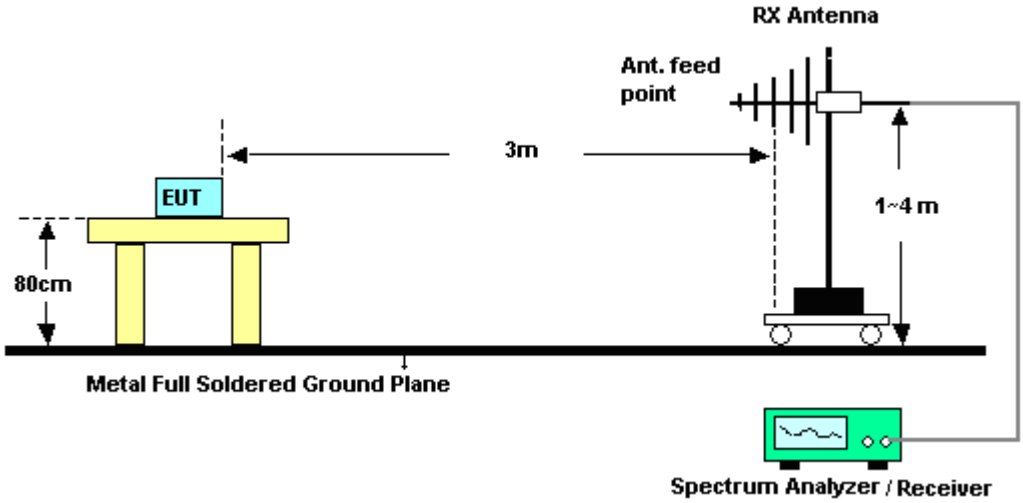
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

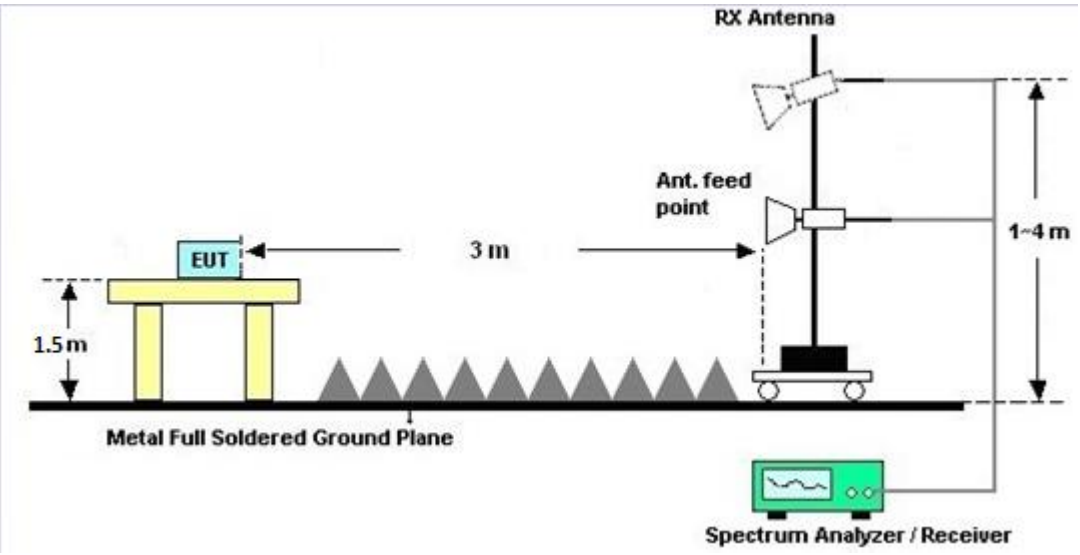
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (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.

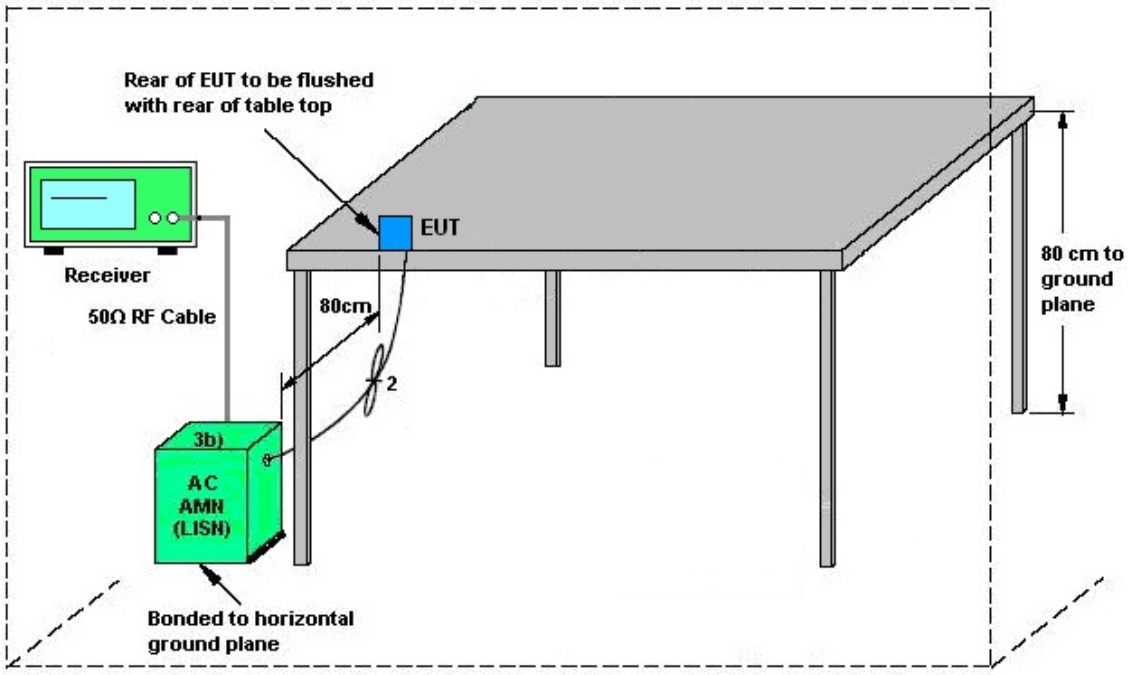
3.5.2 Measuring Instruments

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



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	1.33	1.62	1.62	4.49	0.00	0.00
Band II	1.33	0.62	1.33	3.99	0.00	0.00
Band III	1.43	1.53	1.53	4.49	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	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Nov. 30, 2019 ~ Dec. 02, 2019	Dec. 05, 2019	Radiation (03CH15-HY)
Preamplifier	EMEC INSTRUMENTS&PE	EMC184045B&PE7005-6	980192	18GHz ~ 40GHz	Aug. 01, 2019	Dec. 03, 2019 ~ Jan. 20 2020	Jul. 31, 2020	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	41912&05	30MHz to 1GHz	Feb. 12, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Feb. 11, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-2114	1-18GHz	Jul. 31, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Jul. 30, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Nov. 30, 2019 ~ Dec. 02, 2019	Dec. 04, 2019	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	May 13, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Apr. 01, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	May 31, 2020	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 22, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Oct. 21, 2020	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY532701975	1GHz~26.5GHz	Aug. 23, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Aug. 22, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY554201770	20MHz~8.4GHz	Mar. 08, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Mar. 07, 2020	Radiation (03CH15-HY
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 27, 2018	Nov. 30, 2019 ~ Dec. 02, 2019	Dec. 26, 2019	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY501801336	3Hz~44GHz	Apr. 29, 2019	Dec. 03, 2019 ~ Jan. 20, 2020	Apr. 28, 2020	Radiation (03CH15-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Nov. 30, 2019 ~ Jan. 20, 2020	N/A	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 30, 2019 ~ Jan. 20, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 30, 2019 ~ Jan. 20, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Nov. 30, 2019 ~ Jan. 20, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 15, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Apr. 14, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4PE	30M-18G	Apr. 15, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Apr. 14, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY802430/4	30M~18G	May 13, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	May 12, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 26, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Feb. 25, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 26, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Feb. 25, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN4	1.53G Low Pass	Jul. 04, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Jul. 03, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jul. 02, 2019	Nov. 30, 2019 ~ Jan. 20, 2020	Jul. 01, 2020	Radiation (03CH15-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Nov. 28, 2019 ~ Dec. 13, 2019	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	Nov. 28, 2019 ~ Dec. 13, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Jul. 15, 2019	Nov. 28, 2019 ~ Dec. 13, 2019	Jul. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Nov. 28, 2019 ~ Dec. 13, 2019	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 19, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Dec. 19, 2019	Nov. 14, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Dec. 19, 2019	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 19, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Dec. 19, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Dec. 19, 2019	Dec. 30, 2019	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.0**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2019/11/28~12/13	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.73	16.63	24.58	23.38	-		22.21			
11a	6Mbps	2	44	5220	16.73	16.58	24.33	23.68	-		22.20			
11a	6Mbps	2	48	5240	16.68	16.63	24.68	23.88	-		22.21			
VHT20	MCS0	2	36	5180	18.03	17.78	26.07	24.88	-		22.50			
VHT20	MCS0	2	44	5220	18.03	17.88	26.57	25.27	-		22.52			
VHT20	MCS0	2	48	5240	18.03	17.88	26.32	25.17	-		22.52			
VHT40	MCS0	2	38	5190	36.36	36.46	41.81	41.90	-		23.01			
VHT40	MCS0	2	46	5230	36.46	36.46	41.90	42.08	-		23.01			
VHT80	MCS0	2	42	5210	75.76	75.88	82.80	83.28	-		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	10.30	10.30		24.00	24.00	1.90	1.81		Pass
11a	6Mbps	1	44	5220	10.20	10.30		24.00	24.00	1.90	1.81		Pass
11a	6Mbps	1	48	5240	10.10	10.30		24.00	24.00	1.90	1.81		Pass
HT20	MCS0	1	36	5180	10.00	10.10		24.00	24.00	1.90	1.81		Pass
HT20	MCS0	1	44	5220	10.00	10.10		24.00	24.00	1.90	1.81		Pass
HT20	MCS0	1	48	5240	10.00	10.10		24.00	24.00	1.90	1.81		Pass
HT40	MCS0	1	38	5190	10.20	10.00		24.00	24.00	1.90	1.81		Pass
HT40	MCS0	1	46	5230	10.00	10.00		24.00	24.00	1.90	1.81		Pass
VHT20	MCS0	1	36	5180	10.10	10.20		24.00	24.00	1.90	1.81		Pass
VHT20	MCS0	1	44	5220	10.10	10.20		24.00	24.00	1.90	1.81		Pass
VHT20	MCS0	1	48	5240	10.10	10.20		24.00	24.00	1.90	1.81		Pass
VHT40	MCS0	1	38	5190	10.30	10.10		24.00	24.00	1.90	1.81		Pass
VHT40	MCS0	1	46	5230	10.10	10.10		24.00	24.00	1.90	1.81		Pass
VHT80	MCS0	1	42	5210	10.10	10.10		24.00	24.00	1.90	1.81		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	10.40	10.50	13.46	24.00		1.90			Pass
11a	6Mbps	2	44	5220	10.40	10.50	13.46	24.00		1.90			Pass
11a	6Mbps	2	48	5240	10.40	10.50	13.46	24.00		1.90			Pass
HT20	MCS0	2	36	5180	10.10	10.30	13.21	24.00		1.90			Pass
HT20	MCS0	2	44	5220	10.10	10.20	13.16	24.00		1.90			Pass
HT20	MCS0	2	48	5240	10.10	10.30	13.21	24.00		1.90			Pass
HT40	MCS0	2	38	5190	10.30	10.20	13.26	24.00		1.90			Pass
HT40	MCS0	2	46	5230	10.20	10.10	13.16	24.00		1.90			Pass
VHT20	MCS0	2	36	5180	10.20	10.40	13.31	24.00		1.90			Pass
VHT20	MCS0	2	44	5220	10.20	10.30	13.26	24.00		1.90			Pass
VHT20	MCS0	2	48	5240	10.20	10.40	13.31	24.00		1.90			Pass
VHT40	MCS0	2	38	5190	10.40	10.30	13.36	24.00		1.90			Pass
VHT40	MCS0	2	46	5230	10.30	10.20	13.26	24.00		1.90			Pass
VHT80	MCS0	2	42	5210	10.20	10.20	13.21	24.00		1.90			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180			3.91	11.00		4.87			Pass
11a	6Mbps	2	44	5220			3.93	11.00		4.87			Pass
11a	6Mbps	2	48	5240			4.36	11.00		4.87			Pass
VHT20	MCS0	2	36	5180			3.77	11.00		4.87			Pass
VHT20	MCS0	2	44	5220			3.97	11.00		4.87			Pass
VHT20	MCS0	2	48	5240			4.12	11.00		4.87			Pass
VHT40	MCS0	2	38	5190			0.42	11.00		4.87			Pass
VHT40	MCS0	2	46	5230			0.36	11.00		4.87			Pass
VHT80	MCS0	2	42	5210			-1.99	11.00		4.87			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.68	16.63	24.43	23.28	23.21		29.21		23.98		
11a	6Mbps	2	60	5300	16.73	16.63	24.33	23.08	23.21		29.21		23.98		
11a	6Mbps	2	64	5320	16.68	16.63	24.38	24.63	23.21		29.21		23.98		
VHT20	MCS0	2	52	5260	17.98	17.88	26.57	25.62	23.52		29.52		23.98		
VHT20	MCS0	2	60	5300	17.88	17.78	26.22	24.63	23.50		29.50		23.98		
VHT20	MCS0	2	64	5320	17.93	17.73	26.12	24.83	23.49		29.49		23.98		
VHT40	MCS0	2	54	5270	36.36	36.46	42.08	41.99	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.56	36.36	41.72	41.81	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.88	75.76	83.44	83.76	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	10.30	10.30		23.98	23.98	1.95	0.89	30	Pass
11a	6Mbps	1	60	5300	10.20	10.30		23.98	23.98	1.95	0.89	30	Pass
11a	6Mbps	1	64	5320	10.10	10.10		23.98	23.98	1.95	0.89	30	Pass
HT20	MCS0	1	52	5260	10.10	10.00		23.98	23.98	1.95	0.89	30	Pass
HT20	MCS0	1	60	5300	10.00	10.10		23.98	23.98	1.95	0.89	30	Pass
HT20	MCS0	1	64	5320	10.00	10.20		23.98	23.98	1.95	0.89	30	Pass
HT40	MCS0	1	54	5270	10.10	10.00		23.98	23.98	1.95	0.89	30	Pass
HT40	MCS0	1	62	5310	10.10	10.30		23.98	23.98	1.95	0.89	30	Pass
VHT20	MCS0	1	52	5260	10.20	10.10		23.98	23.98	1.95	0.89	30	Pass
VHT20	MCS0	1	60	5300	10.10	10.20		23.98	23.98	1.95	0.89	30	Pass
VHT20	MCS0	1	64	5320	10.10	10.30		23.98	23.98	1.95	0.89	30	Pass
VHT40	MCS0	1	54	5270	10.20	10.10		23.98	23.98	1.95	0.89	30	Pass
VHT40	MCS0	1	62	5310	10.20	10.40		23.98	23.98	1.95	0.89	30	Pass
VHT80	MCS0	1	58	5290	10.30	10.30		23.98	23.98	1.95	0.89	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	10.50	10.40	13.46	23.98		1.95		30	Pass
11a	6Mbps	2	60	5300	10.30	10.40	13.36	23.98		1.95		30	Pass
11a	6Mbps	2	64	5320	10.50	10.40	13.46	23.98		1.95		30	Pass
HT20	MCS0	2	52	5260	10.50	10.20	13.36	23.98		1.95		30	Pass
HT20	MCS0	2	60	5300	10.30	10.40	13.36	23.98		1.95		30	Pass
HT20	MCS0	2	64	5320	10.30	10.30	13.31	23.98		1.95		30	Pass
HT40	MCS0	2	54	5270	10.20	10.10	13.16	23.98		1.95		30	Pass
HT40	MCS0	2	62	5310	10.20	10.50	13.36	23.98		1.95		30	Pass
VHT20	MCS0	2	52	5260	10.50	10.30	13.41	23.98		1.95		30	Pass
VHT20	MCS0	2	60	5300	10.40	10.50	13.46	23.98		1.95		30	Pass
VHT20	MCS0	2	64	5320	10.40	10.40	13.41	23.98		1.95		30	Pass
VHT40	MCS0	2	54	5270	10.30	10.20	13.26	23.98		1.95		30	Pass
VHT40	MCS0	2	62	5310	10.30	10.50	13.41	23.98		1.95		30	Pass
VHT80	MCS0	2	58	5290	10.40	10.40	13.41	23.98		1.95		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260			4.38	11.00		4.45			Pass
11a	6Mbps	2	60	5300			3.77	11.00		4.45			Pass
11a	6Mbps	2	64	5320			4.16	11.00		4.45			Pass
VHT20	MCS0	2	52	5260			4.23	11.00		4.45			Pass
VHT20	MCS0	2	60	5300			4.55	11.00		4.45			Pass
VHT20	MCS0	2	64	5320			4.12	11.00		4.45			Pass
VHT40	MCS0	2	54	5270			0.65	11.00		4.45			Pass
VHT40	MCS0	2	62	5310			0.92	11.00		4.45			Pass
VHT80	MCS0	2	58	5290			-1.50	11.00		4.45			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.78	16.63	24.68	24.33	23.21		29.21		23.98		----	----
11a	6Mbps	2	116	5580	16.78	16.63	24.58	23.73	23.21		29.21		23.98		----	----
11a	6Mbps	2	140	5700	16.73	16.63	24.28	23.93	23.21		29.21		23.98		----	----
VHT20	MCS0	2	100	5500	17.78	17.88	25.52	25.32	23.50		29.50		23.98		----	----
VHT20	MCS0	2	116	5580	17.93	17.83	25.42	25.17	23.51		29.51		23.98		----	----
VHT20	MCS0	2	140	5700	17.83	17.88	25.72	25.57	23.51		29.51		23.98		----	----
VHT40	MCS0	2	102	5510	36.46	36.36	41.36	41.63	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.46	36.46	41.63	41.90	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.66	36.46	41.63	41.63	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.00	76.24	83.60	83.12	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.24	76.12	82.96	83.12	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.39	13.29	17.09	16.94	22.24		28.24		23.29		2.892	2.893
VHT20	MCS0	2	144	5720	13.89	13.89	17.24	17.49	22.43		28.43		23.36		2.543	3.142
VHT40	MCS0	2	142	5710	33.18	33.18	35.68	36.04	23.98		30.00		23.98		2.585	2.585
VHT80	MCS0	2	138	5690	72.52	72.88	76.40	76.56	23.98		30.00		23.98		2.565	2.566

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	11.10	11.10		23.98	23.98	1.93	1.88	30	Pass
11a	6Mbps	1	116	5580	11.30	11.10		23.98	23.98	1.93	1.88	30	Pass
11a	6Mbps	1	140	5700	11.40	11.10		23.98	23.98	1.93	1.88	30	Pass
HT20	MCS0	1	100	5500	11.00	11.00		23.98	23.98	1.93	1.88	30	Pass
HT20	MCS0	1	116	5580	11.00	11.00		23.98	23.98	1.93	1.88	30	Pass
HT20	MCS0	1	140	5700	11.00	11.00		23.98	23.98	1.93	1.88	30	Pass
HT40	MCS0	1	102	5510	11.20	11.00		23.98	23.98	1.93	1.88	30	Pass
HT40	MCS0	1	110	5550	11.00	11.00		23.98	23.98	1.93	1.88	30	Pass
HT40	MCS0	1	134	5670	11.30	11.00		23.98	23.98	1.93	1.88	30	Pass
VHT20	MCS0	1	100	5500	11.10	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT20	MCS0	1	116	5580	11.10	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT20	MCS0	1	140	5700	11.10	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT40	MCS0	1	102	5510	11.30	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT40	MCS0	1	110	5550	11.10	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT40	MCS0	1	134	5670	11.40	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT80	MCS0	1	106	5530	11.30	11.20		23.98	23.98	1.93	1.88	30	Pass
VHT80	MCS0	1	122	5610	11.40	11.10		23.98	23.98	1.93	1.88	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	11.50	11.30	14.41	23.98		1.93		30	Pass
11a	6Mbps	2	116	5580	11.50	11.20	14.36	23.98		1.93		30	Pass
11a	6Mbps	2	140	5700	11.50	11.20	14.36	23.98		1.93		30	Pass
HT20	MCS0	2	100	5500	11.50	11.10	14.31	23.98		1.93		30	Pass
HT20	MCS0	2	116	5580	11.50	11.10	14.31	23.98		1.93		30	Pass
HT20	MCS0	2	140	5700	11.50	11.10	14.31	23.98		1.93		30	Pass
HT40	MCS0	2	102	5510	11.40	11.10	14.26	23.98		1.93		30	Pass
HT40	MCS0	2	110	5550	11.20	11.10	14.16	23.98		1.93		30	Pass
HT40	MCS0	2	134	5670	11.50	11.10	14.31	23.98		1.93		30	Pass
VHT20	MCS0	2	100	5500	11.50	11.20	14.36	23.98		1.93		30	Pass
VHT20	MCS0	2	116	5580	11.50	11.20	14.36	23.98		1.93		30	Pass
VHT20	MCS0	2	140	5700	11.50	11.20	14.36	23.98		1.93		30	Pass
VHT40	MCS0	2	102	5510	11.50	11.20	14.36	23.98		1.93		30	Pass
VHT40	MCS0	2	110	5550	11.30	11.20	14.26	23.98		1.93		30	Pass
VHT40	MCS0	2	134	5670	11.50	11.20	14.36	23.98		1.93		30	Pass
VHT80	MCS0	2	106	5530	11.50	11.40	14.46	23.98		1.93		30	Pass
VHT80	MCS0	2	122	5610	11.50	11.20	14.36	23.98		1.93		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	11.40	11.10		23.98	23.98	1.93	1.88	30	Pass
HT20	MCS0	1	144	5720	11.00	11.00		23.98	23.98	1.93	1.88	30	Pass
HT40	MCS0	1	142	5710	11.10	11.00		23.98	23.98	1.93	1.88	30	Pass
VHT20	MCS0	1	144	5720	11.10	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT40	MCS0	1	142	5710	11.20	11.10		23.98	23.98	1.93	1.88	30	Pass
VHT80	MCS0	1	138	5690	11.40	11.10		23.98	23.98	1.93	1.88	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	11.50	11.20	14.36	23.29		1.93		30	Pass
HT20	MCS0	2	144	5720	11.50	11.10	14.31	23.98		1.93		30	Pass
HT40	MCS0	2	142	5710	11.30	11.10	14.21	23.98		1.93		30	Pass
VHT20	MCS0	2	144	5720	11.50	11.20	14.36	23.36		1.93		30	Pass
VHT40	MCS0	2	142	5710	11.40	11.20	14.31	23.98		1.93		30	Pass
VHT80	MCS0	2	138	5690	11.50	11.20	14.36	23.98		1.93		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500			5.05	11.00		4.92			Pass
11a	6Mbps	2	116	5580			4.98	11.00		4.92			Pass
11a	6Mbps	2	140	5700			4.69	11.00		4.92			Pass
VHT20	MCS0	2	100	5500			5.18	11.00		4.92			Pass
VHT20	MCS0	2	116	5580			4.84	11.00		4.92			Pass
VHT20	MCS0	2	140	5700			4.60	11.00		4.92			Pass
VHT40	MCS0	2	102	5510			1.62	11.00		4.92			Pass
VHT40	MCS0	2	110	5550			1.24	11.00		4.92			Pass
VHT40	MCS0	2	134	5670			1.62	11.00		4.92			Pass
VHT80	MCS0	2	106	5530			-0.47	11.00		4.92			Pass
VHT80	MCS0	2	122	5610			-0.61	11.00		4.92			Pass

Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720			4.91	11.00		4.92			Pass
VHT20	MCS0	2	144	5720			4.40	11.00		4.92			Pass
VHT40	MCS0	2	142	5710			1.24	11.00		4.92			Pass
VHT80	MCS0	2	138	5690			-0.47	11.00		4.92			Pass

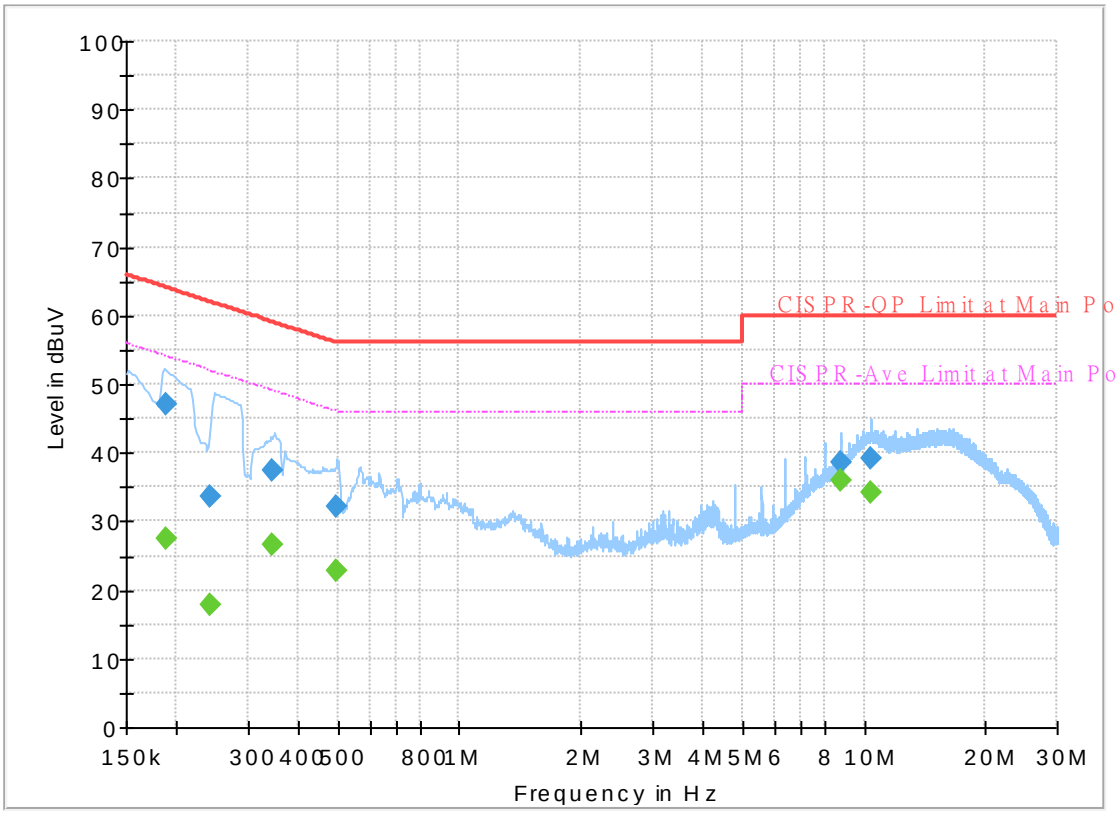
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	22~25℃
		Relative Humidity :	43~51%

EUT Information

Report NO :	9N2705
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



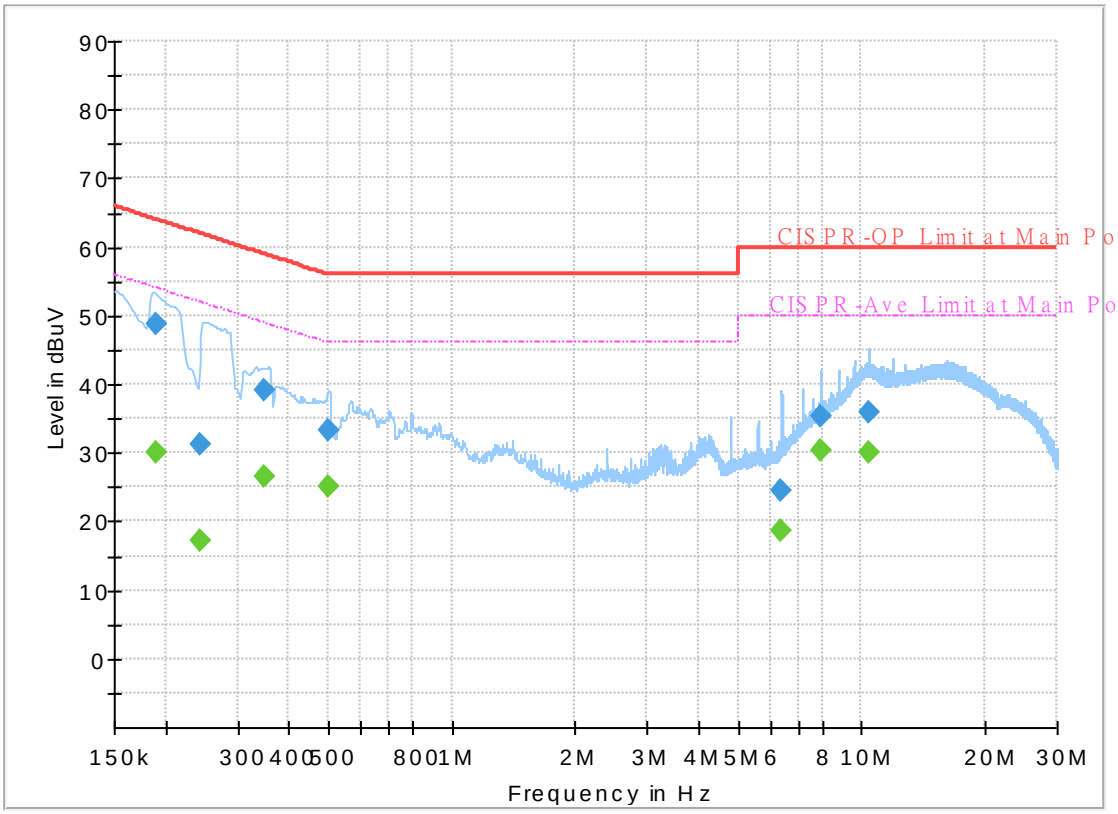
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.188250	---	27.63	54.11	26.48	L1	OFF	19.5
0.188250	47.02	---	64.11	17.09	L1	OFF	19.5
0.243150	---	17.75	51.99	34.24	L1	OFF	19.5
0.243150	33.69	---	61.99	28.30	L1	OFF	19.5
0.345750	---	26.60	49.06	22.46	L1	OFF	19.5
0.345750	37.57	---	59.06	21.49	L1	OFF	19.5
0.494790	---	22.91	46.09	23.18	L1	OFF	19.5
0.494790	32.25	---	56.09	23.84	L1	OFF	19.5
8.762010	---	35.92	50.00	14.08	L1	OFF	19.7
8.762010	38.55	---	60.00	21.45	L1	OFF	19.7
10.358250	---	34.23	50.00	15.77	L1	OFF	19.7
10.358250	39.10	---	60.00	20.90	L1	OFF	19.7

EUT Information

Report NO :	9N2705
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)
0.190500	---	30.03	54.02	23.99	N	OFF	19.5
0.190500	48.71	---	64.02	15.31	N	OFF	19.5
0.242250	---	17.07	52.02	34.95	N	OFF	19.5
0.242250	31.22	---	62.02	30.80	N	OFF	19.5
0.349350	---	26.49	48.98	22.49	N	OFF	19.5
0.349350	39.15	---	58.98	19.83	N	OFF	19.5
0.499200	---	25.21	46.01	20.80	N	OFF	19.5
0.499200	33.16	---	56.01	22.85	N	OFF	19.5
6.382320	---	18.66	50.00	31.34	N	OFF	19.7
6.382320	24.57	---	60.00	35.43	N	OFF	19.7
7.970190	---	30.31	50.00	19.69	N	OFF	19.7
7.970190	35.33	---	60.00	24.67	N	OFF	19.7
10.371030	---	30.10	50.00	19.90	N	OFF	19.7
10.371030	36.01	---	60.00	23.99	N	OFF	19.7

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Li, Karl Hou, and Bigshow Wang	Temperature :	24.5~25.1°C
		Relative Humidity :	55~63%
Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 1 and Ant. 2 means Chain 2.			

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5143.52	57.23	-16.77	74	46.32	32.09	9.25	30.43	100	327	P	H
		5150	46.59	-7.41	54	35.66	32.1	9.26	30.43	100	327	A	H
	*	5180	115.35	-	-	104.51	31.98	9.29	30.43	100	327	P	H
	*	5180	107.71	-	-	96.87	31.98	9.29	30.43	100	327	A	H
													H
													H
		5143	54.59	-19.41	74	43.68	32.09	9.25	30.43	297	203	P	V
		5147.42	45.94	-8.06	54	35.03	32.09	9.25	30.43	297	203	A	V
	*	5180	115.4	-	-	104.56	31.98	9.29	30.43	297	203	P	V
	*	5180	107.31	-	-	96.47	31.98	9.29	30.43	297	203	A	V
													V
													V
802.11a CH 44 5220MHz		5145.34	52.01	-21.99	74	41.1	32.09	9.25	30.43	100	327	P	H
		5145.6	41.79	-12.21	54	30.88	32.09	9.25	30.43	100	327	A	H
	*	5220	106.78	-	-	96.14	31.74	9.33	30.43	100	327	P	H
	*	5220	99.26	-	-	88.62	31.74	9.33	30.43	100	327	A	H
		5449.36	50.68	-23.32	74	39.55	32	9.56	30.43	100	327	P	H
		5453	40.73	-13.27	54	29.59	32.01	9.56	30.43	100	327	A	H
		5045.76	50.8	-23.2	74	40.32	31.77	9.14	30.43	301	205	P	V
		5145.6	41.25	-12.75	54	30.34	32.09	9.25	30.43	301	205	A	V
	*	5220	106.86	-	-	96.22	31.74	9.33	30.43	301	205	P	V
	*	5220	99.3	-	-	88.66	31.74	9.33	30.43	301	205	A	V
		5430.6	51.49	-22.51	74	40.52	31.88	9.52	30.43	301	205	P	V
		5452.72	41.29	-12.71	54	30.15	32.01	9.56	30.43	301	205	A	V

802.11a CH 48 5240MHz		5148.98	51.69	-22.31	74	40.77	32.1	9.25	30.43	100	329	P	H
		5145.6	41.95	-12.05	54	31.04	32.09	9.25	30.43	100	329	A	H
	*	5240	115.04	-	-	104.55	31.58	9.34	30.43	100	329	P	H
	*	5240	107.45	-	-	96.96	31.58	9.34	30.43	100	329	A	H
		5433.68	50.67	-23.33	74	39.67	31.9	9.53	30.43	100	329	P	H
		5452.72	42.27	-11.73	54	31.13	32.01	9.56	30.43	100	329	A	H
		5134.68	52.05	-21.95	74	41.17	32.07	9.24	30.43	302	205	P	V
		5145.86	40.75	-13.25	54	29.84	32.09	9.25	30.43	302	205	A	V
	*	5240	114.17	-	-	103.68	31.58	9.34	30.43	302	205	P	V
	*	5240	106.6	-	-	96.11	31.58	9.34	30.43	302	205	A	V
		5411.56	52.06	-21.94	74	41.24	31.77	9.48	30.43	302	205	P	V
		5433.68	42	-12	54	31	31.9	9.53	30.43	302	205	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	48.15	-20.05	68.2	55.68	39.66	13.57	60.76	100	0	P	H
		15540	46.71	-27.29	74	52.75	38.5	17.01	61.55	100	0	P	H
													H
													H
		10360	48.42	-19.78	68.2	55.95	39.66	13.57	60.76	100	0	P	V
		15540	47.18	-26.82	74	53.22	38.5	17.01	61.55	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	43.97	-24.23	68.2	51.38	39.9	13.65	60.96	100	0	P	H
		15660	44.09	-29.91	74	50.56	37.78	17.16	61.41	100	0	P	H
													H
													H
		10440	44.08	-24.12	68.2	51.49	39.9	13.65	60.96	100	0	P	V
		15660	43.98	-30.02	74	50.45	37.78	17.16	61.41	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	49.23	-18.97	68.2	56.7	39.9	13.68	61.05	100	0	P	H
		15720	49.01	-24.99	74	55.6	37.54	17.21	61.34	100	0	P	H
													H
													H
		10480	48.98	-19.22	68.2	56.45	39.9	13.68	61.05	100	0	P	V
		15720	47.86	-26.14	74	54.45	37.54	17.21	61.34	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.98	60.4	-13.6	74	49.48	32.1	9.25	30.43	100	324	P	H
		5149.76	46.88	-7.12	54	35.96	32.1	9.25	30.43	100	324	A	H
	*	5180	114.83	-	-	103.99	31.98	9.29	30.43	100	324	P	H
	*	5180	106.63	-	-	95.79	31.98	9.29	30.43	100	324	A	H
802.11ac													H
VHT20													H
CH 36		5149.76	57.25	-16.75	74	46.33	32.1	9.25	30.43	310	203	P	V
5180MHz		5149.76	45.59	-8.41	54	34.67	32.1	9.25	30.43	310	203	A	V
	*	5180	116.11	-	-	105.27	31.98	9.29	30.43	310	203	P	V
	*	5180	108.01	-	-	97.17	31.98	9.29	30.43	310	203	A	V
													V
													V
		5028.6	50.52	-23.48	74	40.16	31.67	9.12	30.43	100	327	P	H
		5145.6	41.77	-12.23	54	30.86	32.09	9.25	30.43	100	327	A	H
	*	5220	105.76	-	-	95.12	31.74	9.33	30.43	100	327	P	H
	*	5220	97.77	-	-	87.13	31.74	9.33	30.43	100	327	A	H
802.11ac		5368.72	50.09	-23.91	74	39.57	31.51	9.44	30.43	100	327	P	H
VHT20		5452.72	40.73	-13.27	54	29.59	32.01	9.56	30.43	100	327	A	H
CH 44		5135.72	51.08	-22.92	74	40.2	32.07	9.24	30.43	300	205	P	V
5220MHz		5145.6	41.23	-12.77	54	30.32	32.09	9.25	30.43	300	205	A	V
	*	5220	107.36	-	-	96.72	31.74	9.33	30.43	300	205	P	V
	*	5220	99.19	-	-	88.55	31.74	9.33	30.43	300	205	A	V
		5452.44	51.46	-22.54	74	40.33	32	9.56	30.43	300	205	P	V
		5452.72	41.3	-12.7	54	30.16	32.01	9.56	30.43	300	205	A	V

		5146.12	51.46	-22.54	74	40.55	32.09	9.25	30.43	100	328	P	H
		5145.6	42.32	-11.68	54	31.41	32.09	9.25	30.43	100	328	A	H
	*	5240	114.18	-	-	103.69	31.58	9.34	30.43	100	328	P	H
	*	5240	105.97	-	-	95.48	31.58	9.34	30.43	100	328	A	H
802.11ac		5357.52	50.95	-23.05	74	40.5	31.45	9.43	30.43	100	328	P	H
VHT20		5453	42.09	-11.91	54	30.95	32.01	9.56	30.43	100	328	A	H
CH 48		5060.06	50.68	-23.32	74	40.11	31.84	9.16	30.43	300	203	P	V
5240MHz		5150	41.32	-12.68	54	30.39	32.1	9.26	30.43	300	203	A	V
	*	5240	115.47	-	-	104.98	31.58	9.34	30.43	300	203	P	V
	*	5240	107.39	-	-	96.9	31.58	9.34	30.43	300	203	A	V
		5357.52	52.58	-21.42	74	42.13	31.45	9.43	30.43	300	203	P	V
		5356.68	42.89	-11.11	54	32.45	31.44	9.43	30.43	300	203	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	47.25	-20.95	68.2	54.78	39.66	13.57	60.76	100	0	P	H
		15540	45.54	-28.46	74	51.58	38.5	17.01	61.55	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	47.74	-20.46	68.2	55.27	39.66	13.57	60.76	100	0	P	V
5180MHz		15540	45.8	-28.2	74	51.84	38.5	17.01	61.55	100	0	P	V
													V
													V
		10440	44.24	-23.96	68.2	51.65	39.9	13.65	60.96	100	0	P	H
		15660	44.14	-29.86	74	50.61	37.78	17.16	61.41	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	43.79	-24.41	68.2	51.2	39.9	13.65	60.96	100	0	P	V
5220MHz		15660	44.48	-29.52	74	50.95	37.78	17.16	61.41	100	0	P	V
													V
													V
		10480	48.6	-19.6	68.2	56.07	39.9	13.68	61.05	100	0	P	H
		15720	47.7	-26.3	74	54.29	37.54	17.21	61.34	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	47.64	-20.56	68.2	55.11	39.9	13.68	61.05	100	0	P	V
5240MHz		15720	47.37	-26.63	74	53.96	37.54	17.21	61.34	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	63.54	-10.46	74	52.61	32.1	9.26	30.43	100	326	P	H
		5149.76	52.83	-1.17	54	41.91	32.1	9.25	30.43	100	326	A	H
	*	5190	107.76	-	-	96.95	31.94	9.3	30.43	100	326	P	H
	*	5190	99.44	-	-	88.63	31.94	9.3	30.43	100	326	A	H
802.11ac		5374.6	50.48	-23.52	74	39.92	31.55	9.44	30.43	100	326	P	H
VHT40		5452.72	43.33	-10.67	54	32.19	32.01	9.56	30.43	100	326	A	H
CH 38		5142.74	60.78	-13.22	74	49.87	32.09	9.25	30.43	294	157	P	V
5190MHz		5131.82	49.51	-4.49	54	38.64	32.06	9.24	30.43	294	157	A	V
	*	5190	107.53	-	-	96.72	31.94	9.3	30.43	294	157	P	V
	*	5190	100.04	-	-	89.23	31.94	9.3	30.43	294	157	A	V
		5362.28	50.18	-23.82	74	39.71	31.47	9.43	30.43	294	157	P	V
		5452.72	43.5	-10.5	54	32.36	32.01	9.56	30.43	294	157	A	V
		5143.52	52.78	-21.22	74	41.87	32.09	9.25	30.43	100	329	P	H
		5145.6	44.7	-9.3	54	33.79	32.09	9.25	30.43	100	329	A	H
	*	5230	112.28	-	-	101.72	31.66	9.33	30.43	100	329	P	H
	*	5230	104.58	-	-	94.02	31.66	9.33	30.43	100	329	A	H
802.11ac		5362.28	51.15	-22.85	74	40.68	31.47	9.43	30.43	100	329	P	H
VHT40		5452.72	43.43	-10.57	54	32.29	32.01	9.56	30.43	100	329	A	H
CH 46		5140.66	50.23	-23.77	74	39.34	32.08	9.24	30.43	314	152	P	V
5230MHz		5147.94	42.67	-11.33	54	31.75	32.1	9.25	30.43	314	152	A	V
	*	5230	111.44	-	-	100.88	31.66	9.33	30.43	314	152	P	V
	*	5230	103.91	-	-	93.35	31.66	9.33	30.43	314	152	A	V
		5419.96	51.85	-22.15	74	40.96	31.82	9.5	30.43	314	152	P	V
		5452.72	43.9	-10.1	54	32.76	32.01	9.56	30.43	314	152	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.62	-20.58	68.2	55.06	39.78	13.59	60.81	100	0	P	H
		15570	45.22	-28.78	74	51.34	38.35	17.05	61.52	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.67	-20.53	68.2	55.11	39.78	13.59	60.81	100	0	P	V
5190MHz		15570	45.64	-28.36	74	51.76	38.35	17.05	61.52	100	0	P	V
													V
													V
		10460	47.74	-20.46	68.2	55.18	39.9	13.66	61	100	0	P	H
		15690	46.2	-27.8	74	52.81	37.57	17.19	61.37	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	47.46	-20.74	68.2	54.9	39.9	13.66	61	100	0	P	V
5230MHz		15690	47.05	-26.95	74	53.66	37.57	17.19	61.37	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150.02	60.77	-89.23	150	49.84	32.1	9.26	30.43	100	327	P	H
		5150	53.58	-0.42	54	42.65	32.1	9.26	30.43	100	327	A	H
	*	5210	106.12	-	-	95.41	31.82	9.32	30.43	100	327	P	H
	*	5210	98.83	-	-	88.12	31.82	9.32	30.43	100	327	A	H
802.11ac		5436.76	50.4	-23.6	74	39.38	31.92	9.53	30.43	100	327	P	H
VHT80		5452.72	43.23	-10.77	54	32.09	32.01	9.56	30.43	100	327	A	H
CH 42		5138.58	57.1	-16.9	74	46.21	32.08	9.24	30.43	300	148	P	V
5210MHz		5146.12	50.15	-3.85	54	39.24	32.09	9.25	30.43	300	148	A	V
	*	5210	105.79	-	-	95.08	31.82	9.32	30.43	300	148	P	V
	*	5210	98.1	-	-	87.39	31.82	9.32	30.43	300	148	A	V
		5440.68	51.62	-22.38	74	40.57	31.94	9.54	30.43	300	148	P	V
		5429.2	42.85	-11.15	54	31.88	31.88	9.52	30.43	300	148	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	48.55	-19.65	68.2	55.94	39.9	13.62	60.91	100	0	P	H
		15630	46.47	-27.53	74	52.8	37.99	17.12	61.44	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.06	-20.14	68.2	55.45	39.9	13.62	60.91	100	0	P	V
5210MHz		15630	46.56	-27.44	74	52.89	37.99	17.12	61.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5141.78	50.19	-23.81	74	39.29	32.08	9.25	30.43	100	328	P	H
		5145.52	41.48	-12.52	54	30.57	32.09	9.25	30.43	100	328	A	H
	*	5260	107.8	-	-	97.39	31.48	9.36	30.43	100	328	P	H
	*	5260	100.09	-	-	89.68	31.48	9.36	30.43	100	328	A	H
		5441.76	50.2	-23.8	74	39.14	31.95	9.54	30.43	100	328	P	H
		5452.8	40.77	-13.23	54	29.63	32.01	9.56	30.43	100	328	A	H
		5149.94	50.59	-23.41	74	39.67	32.1	9.25	30.43	293	206	P	V
		5145.52	41.03	-12.97	54	30.12	32.09	9.25	30.43	293	206	A	V
	*	5260	107.16	-	-	96.75	31.48	9.36	30.43	293	206	P	V
	*	5260	99.33	-	-	88.92	31.48	9.36	30.43	293	206	A	V
		5388.48	51.13	-22.87	74	40.48	31.63	9.45	30.43	293	206	P	V
		5376	41.42	-12.58	54	30.85	31.56	9.44	30.43	293	206	A	V
802.11a CH 60 5300MHz		5065.28	50.47	-23.53	74	39.88	31.86	9.16	30.43	100	328	P	H
		5145.52	41.46	-12.54	54	30.55	32.09	9.25	30.43	100	328	A	H
	*	5300	106.12	-	-	95.76	31.4	9.39	30.43	100	328	P	H
	*	5300	98.39	-	-	88.03	31.4	9.39	30.43	100	328	A	H
		5396.16	50.66	-23.34	74	39.95	31.68	9.46	30.43	100	328	P	H
		5350.08	41.19	-12.81	54	30.8	31.4	9.42	30.43	100	328	A	H
		5098.6	49.33	-24.67	74	38.57	31.99	9.2	30.43	300	205	P	V
		5145.52	40.93	-13.07	54	30.02	32.09	9.25	30.43	300	205	A	V
	*	5300	105.83	-	-	95.47	31.4	9.39	30.43	300	205	P	V
	*	5300	98.33	-	-	87.97	31.4	9.39	30.43	300	205	A	V
		5357.76	51.31	-22.69	74	40.86	31.45	9.43	30.43	300	205	P	V
		5350.8	41.97	-12.03	54	31.58	31.4	9.42	30.43	300	205	A	V

802.11a CH 64 5320MHz	*	5320	113.33	-	-	102.96	31.4	9.4	30.43	100	328	P	H
	*	5320	105.38	-	-	95.01	31.4	9.4	30.43	100	328	A	H
		5378.88	54.35	-19.65	74	43.77	31.57	9.44	30.43	100	328	P	H
		5350.08	44.43	-9.57	54	34.04	31.4	9.42	30.43	100	328	A	H
													H
													H
	*	5320	115.37	-	-	105	31.4	9.4	30.43	303	201	P	V
	*	5320	107.32	-	-	96.95	31.4	9.4	30.43	303	201	A	V
		5352.48	58.25	-15.75	74	47.85	31.41	9.42	30.43	303	201	P	V
		5352.16	46.42	-7.58	54	36.02	31.41	9.42	30.43	303	201	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	43.69	-24.51	68.2	51.24	39.88	13.69	61.12	100	0	P	H
		15780	44.78	-29.22	74	51.11	37.66	17.27	61.26	100	0	P	H
													H
													H
		10520	45.21	-22.99	68.2	52.76	39.88	13.69	61.12	100	0	P	V
		15780	43.94	-30.06	74	50.27	37.66	17.27	61.26	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	44.26	-29.74	74	51.97	39.8	13.71	61.22	100	0	P	H
		15900	44.34	-29.66	74	50.78	37.3	17.38	61.12	100	0	P	H
													H
													H
		10600	44.54	-29.46	74	52.25	39.8	13.71	61.22	100	0	P	V
		15900	44.21	-29.79	74	50.65	37.3	17.38	61.12	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.83	-25.17	74	56.5	39.88	13.72	61.27	100	0	P	H
		15960	45.06	-28.94	74	51.6	37.18	17.33	61.05	100	0	P	H
													H
													H
		10640	49.85	-24.15	74	57.52	39.88	13.72	61.27	100	0	P	V
		15960	45.33	-28.67	74	51.87	37.18	17.33	61.05	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5123.08	50.64	-23.36	74	39.79	32.05	9.23	30.43	100	328	P	H
		5145.52	41.3	-12.7	54	30.39	32.09	9.25	30.43	100	328	A	H
	*	5260	106.93	-	-	96.52	31.48	9.36	30.43	100	328	P	H
	*	5260	98.88	-	-	88.47	31.48	9.36	30.43	100	328	A	H
802.11ac		5414.16	51.5	-22.5	74	40.66	31.78	9.49	30.43	100	328	P	H
VHT20		5452.8	40.72	-13.28	54	29.58	32.01	9.56	30.43	100	328	A	H
CH 52		5112.88	49.96	-24.04	74	39.15	32.03	9.21	30.43	300	204	P	V
5260MHz		5145.52	40.98	-13.02	54	30.07	32.09	9.25	30.43	300	204	A	V
	*	5260	105.79	-	-	95.38	31.48	9.36	30.43	300	204	P	V
	*	5260	97.53	-	-	87.12	31.48	9.36	30.43	300	204	A	V
		5433.84	51.37	-22.63	74	40.37	31.9	9.53	30.43	300	204	P	V
		5376	41.52	-12.48	54	30.95	31.56	9.44	30.43	300	204	A	V
		5134.64	51.39	-22.61	74	40.51	32.07	9.24	30.43	100	327	P	H
		5145.52	41.44	-12.56	54	30.53	32.09	9.25	30.43	100	327	A	H
	*	5300	106.3	-	-	95.94	31.4	9.39	30.43	100	327	P	H
	*	5300	98.53	-	-	88.17	31.4	9.39	30.43	100	327	A	H
802.11ac		5355.12	50.54	-23.46	74	40.11	31.43	9.43	30.43	100	327	P	H
VHT20		5350.56	41.06	-12.94	54	30.67	31.4	9.42	30.43	100	327	A	H
CH 60		5047.94	50.41	-23.59	74	39.91	31.79	9.14	30.43	300	203	P	V
5300MHz		5145.52	40.93	-13.07	54	30.02	32.09	9.25	30.43	300	203	A	V
	*	5300	107.04	-	-	96.68	31.4	9.39	30.43	300	203	P	V
	*	5300	99.07	-	-	88.71	31.4	9.39	30.43	300	203	A	V
		5358.72	52.17	-21.83	74	41.72	31.45	9.43	30.43	300	203	P	V
		5376	42.28	-11.72	54	31.71	31.56	9.44	30.43	300	203	A	V

	*	5320	113.83	-	-	103.46	31.4	9.4	30.43	100	327	P	H
	*	5320	105.77	-	-	95.4	31.4	9.4	30.43	100	327	A	H
		5350.08	54.96	-19.04	74	44.57	31.4	9.42	30.43	100	327	P	H
		5350.08	45.97	-8.03	54	35.58	31.4	9.42	30.43	100	327	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	116.26	-	-	105.89	31.4	9.4	30.43	297	201	P	V
5320MHz	*	5320	108.11	-	-	97.74	31.4	9.4	30.43	297	201	A	V
		5368.32	58	-16	74	47.48	31.51	9.44	30.43	297	201	P	V
		5350.08	48.35	-5.65	54	37.96	31.4	9.42	30.43	297	201	A	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	44.26	-23.94	68.2	51.81	39.88	13.69	61.12	100	0	P	H
		15780	44.98	-29.02	74	51.31	37.66	17.27	61.26	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	44.68	-23.52	68.2	52.23	39.88	13.69	61.12	100	0	P	V
5260MHz		15780	45.08	-28.92	74	51.41	37.66	17.27	61.26	100	0	P	V
													V
													V
		10600	44.57	-29.43	74	52.28	39.8	13.71	61.22	100	0	P	H
		15900	45.05	-28.95	74	51.49	37.3	17.38	61.12	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	44.71	-29.29	74	52.42	39.8	13.71	61.22	100	0	P	V
5300MHz		15900	43.78	-30.22	74	50.22	37.3	17.38	61.12	100	0	P	V
													V
													V
		10640	47.68	-26.32	74	55.35	39.88	13.72	61.27	100	0	P	H
		15960	44.92	-29.08	74	51.46	37.18	17.33	61.05	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	48.4	-25.6	74	56.07	39.88	13.72	61.27	100	0	P	V
5320MHz		15960	44.39	-29.61	74	50.93	37.18	17.33	61.05	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5031.62	50.52	-23.48	74	40.14	31.69	9.12	30.43	100	328	P	H
		5145.52	42.44	-11.56	54	31.53	32.09	9.25	30.43	100	328	A	H
	*	5270	104.39	-	-	94	31.46	9.36	30.43	100	328	P	H
	*	5270	95.94	-	-	85.55	31.46	9.36	30.43	100	328	A	H
802.11ac		5420.88	50.63	-23.37	74	39.73	31.83	9.5	30.43	100	328	P	H
VHT40		5376	42.14	-11.86	54	31.57	31.56	9.44	30.43	100	328	A	H
CH 54		5026.52	50.01	-23.99	74	39.66	31.66	9.12	30.43	293	205	P	V
5270MHz		5145.52	42.64	-11.36	54	31.73	32.09	9.25	30.43	293	205	A	V
	*	5270	103.39	-	-	93	31.46	9.36	30.43	293	205	P	V
	*	5270	95.22	-	-	84.83	31.46	9.36	30.43	293	205	A	V
		5355.84	52.58	-21.42	74	42.14	31.44	9.43	30.43	293	205	P	V
		5352.96	43.41	-10.59	54	33	31.42	9.42	30.43	293	205	A	V
		5079.56	50.63	-23.37	74	39.96	31.92	9.18	30.43	100	312	P	H
		5123.42	41.89	-12.11	54	31.04	32.05	9.23	30.43	100	312	A	H
	*	5310	105.69	-	-	95.33	31.4	9.39	30.43	100	312	P	H
	*	5310	97.13	-	-	86.77	31.4	9.39	30.43	100	312	A	H
802.11ac		5350.08	62.74	-11.26	74	52.35	31.4	9.42	30.43	100	312	P	H
VHT40		5350.08	51.6	-2.4	54	41.21	31.4	9.42	30.43	100	312	A	H
CH 62		5121.72	50.59	-23.41	74	39.76	32.04	9.22	30.43	280	200	P	V
5310MHz		5067.66	42.05	-11.95	54	31.45	31.87	9.16	30.43	280	200	A	V
	*	5310	108.3	-	-	97.94	31.4	9.39	30.43	280	200	P	V
	*	5310	99.7	-	-	89.34	31.4	9.39	30.43	280	200	A	V
		5351.04	64.66	-9.34	74	54.26	31.41	9.42	30.43	280	200	P	V
		5350.32	52.75	-1.25	54	42.36	31.4	9.42	30.43	280	200	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	44.09	-24.11	68.2	51.76	39.82	13.71	61.2	100	0	P	H
		15870	43.66	-30.34	74	50.05	37.42	17.35	61.16	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10580	43.12	-25.08	68.2	50.79	39.82	13.71	61.2	100	0	P	V
5270MHz		15870	44.12	-29.88	74	50.51	37.42	17.35	61.16	100	0	P	V
													V
													V
		10620	47.62	-26.38	74	55.3	39.84	13.72	61.24	100	0	P	H
		15930	45.72	-28.28	74	52.2	37.24	17.36	61.08	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	48.81	-25.19	74	56.49	39.84	13.72	61.24	100	0	P	V
5310MHz		15930	45.86	-28.14	74	52.34	37.24	17.36	61.08	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5144.84	50.6	-23.4	74	39.69	32.09	9.25	30.43	100	329	P	H
		5145.86	42.54	-11.46	54	31.63	32.09	9.25	30.43	100	329	A	H
	*	5290	105.21	-	-	94.84	31.42	9.38	30.43	100	329	P	H
	*	5290	97.68	-	-	87.31	31.42	9.38	30.43	100	329	A	H
802.11ac		5359.2	62.15	-11.85	74	51.69	31.46	9.43	30.43	100	329	P	H
VHT80		5360.4	52.93	-1.07	54	42.47	31.46	9.43	30.43	100	329	A	H
CH 58		5029.92	49.68	-24.32	74	39.31	31.68	9.12	30.43	292	199	P	V
5290MHz		5125.8	41.98	-12.02	54	31.13	32.05	9.23	30.43	292	199	A	V
	*	5290	107.14	-	-	96.77	31.42	9.38	30.43	292	199	P	V
	*	5290	99.59	-	-	89.22	31.42	9.38	30.43	292	199	A	V
		5359.2	61.76	-12.24	74	51.3	31.46	9.43	30.43	292	199	P	V
		5356.8	53.9	-0.1	54	43.46	31.44	9.43	30.43	292	199	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.93	-20.27	68.2	55.6	39.82	13.71	61.2	100	0	P	H
		15870	46.64	-27.36	74	53.03	37.42	17.35	61.16	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	48.37	-19.83	68.2	56.04	39.82	13.71	61.2	100	0	P	V
5290MHz		15870	46.97	-27.03	74	53.36	37.42	17.35	61.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5446.48	52.89	-21.11	74	41.79	31.98	9.55	30.43	100	329	P	H
		5466.64	53.31	-14.89	68.2	42.12	32.03	9.59	30.43	100	329	P	H
		5452.72	44.11	-9.89	54	32.97	32.01	9.56	30.43	100	329	A	H
	*	5500	112.6	-	-	101.27	32.1	9.66	30.43	100	329	P	H
	*	5500	105.03	-	-	93.7	32.1	9.66	30.43	100	329	A	H
													H
		5433.04	54.41	-19.59	74	43.42	31.9	9.52	30.43	310	205	P	V
		5468.08	55.84	-12.36	68.2	44.64	32.04	9.59	30.43	310	205	P	V
		5459.44	44.95	-9.05	54	33.78	32.02	9.58	30.43	310	205	A	V
	*	5500	115.76	-	-	104.43	32.1	9.66	30.43	310	205	P	V
	*	5500	107.49	-	-	96.16	32.1	9.66	30.43	310	205	A	V
													V
802.11a CH 116 5580MHz		5421.04	51.13	-22.87	74	40.23	31.83	9.5	30.43	100	323	P	H
		5466.4	50.52	-17.68	68.2	39.33	32.03	9.59	30.43	100	323	P	H
		5452.72	41.83	-12.17	54	30.69	32.01	9.56	30.43	100	323	A	H
	*	5580	112.61	-	-	101.34	31.94	9.81	30.48	100	323	P	H
	*	5580	104.73	-	-	93.46	31.94	9.81	30.48	100	323	A	H
		5762.795	51.36	-16.84	68.2	39.68	32.4	9.87	30.59	100	323	P	H
		5392.72	51.06	-22.94	74	40.38	31.66	9.45	30.43	305	211	P	V
		5463.04	52.53	-15.67	68.2	41.35	32.03	9.58	30.43	305	211	P	V
		5452.72	41.84	-12.16	54	30.7	32.01	9.56	30.43	305	211	A	V
	*	5580	114.48	-	-	103.21	31.94	9.81	30.48	305	211	P	V
	*	5580	107.09	-	-	95.82	31.94	9.81	30.48	305	211	A	V
		5759.645	51.09	-17.11	68.2	39.41	32.4	9.87	30.59	305	211	P	V

802.11a CH 140 5700MHz	*	5700	112.75	-	-	101.24	32.2	9.86	30.55	100	320	P	H
	*	5700	104.85	-	-	93.34	32.2	9.86	30.55	100	320	A	H
		5725.88	59.04	-9.16	68.2	47.45	32.3	9.86	30.57	100	320	P	H
													H
													H
													H
	*	5700	117.35	-	-	105.84	32.2	9.86	30.55	305	209	P	V
	*	5700	108.93	-	-	97.42	32.2	9.86	30.55	305	209	A	V
		5728.2	64.8	-3.4	68.2	53.2	32.31	9.86	30.57	305	209	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	49.66	-24.34	74	56.9	40.6	13.86	61.7	100	0	P	H
		16500	46.69	-21.51	68.2	49.54	39.3	17.55	59.7	100	0	P	H
													H
													H
		11000	49.86	-24.14	74	57.1	40.6	13.86	61.7	100	0	P	V
		16500	46.35	-21.85	68.2	49.2	39.3	17.55	59.7	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	49.1	-24.9	74	56.74	40.08	14.14	61.86	100	0	P	H
		16740	48.96	-19.24	68.2	50.81	39.88	17.92	59.65	100	0	P	H
													H
													H
		11160	49.22	-24.78	74	56.86	40.08	14.14	61.86	100	0	P	V
		16740	47.79	-20.41	68.2	49.64	39.88	17.92	59.65	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.72	-25.28	74	56.09	40.2	14.53	62.1	100	0	P	H
		17100	48.42	-19.78	68.2	49.66	39.9	18.24	59.38	100	0	P	H
													H
													H
		11400	48.36	-25.64	74	55.73	40.2	14.53	62.1	100	0	P	V
		17100	48.41	-19.79	68.2	49.65	39.9	18.24	59.38	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5448.56	53.16	-20.84	74	42.05	31.99	9.55	30.43	100	330	P	H
		5465.04	54.43	-13.77	68.2	43.24	32.03	9.59	30.43	100	330	P	H
		5452.88	44.17	-9.83	54	33.03	32.01	9.56	30.43	100	330	A	H
	*	5500	112.77	-	-	101.44	32.1	9.66	30.43	100	330	P	H
802.11ac	*	5500	104.86	-	-	93.53	32.1	9.66	30.43	100	330	A	H
VHT20													H
CH 100		5459.44	55.57	-18.43	74	44.4	32.02	9.58	30.43	307	209	P	V
5500MHz		5470	55.23	-12.97	68.2	44.02	32.04	9.6	30.43	307	209	P	V
		5460	44.51	-9.49	54	33.34	32.02	9.58	30.43	307	209	A	V
	*	5500	116.06	-	-	104.73	32.1	9.66	30.43	307	209	P	V
	*	5500	108.11	-	-	96.78	32.1	9.66	30.43	307	209	A	V
													V
		5455.12	51.42	-22.58	74	40.27	32.01	9.57	30.43	100	315	P	H
		5467.12	50.13	-18.07	68.2	38.94	32.03	9.59	30.43	100	315	P	H
		5452.72	42.42	-11.58	54	31.28	32.01	9.56	30.43	100	315	A	H
	*	5580	112.57	-	-	101.3	31.94	9.81	30.48	100	315	P	H
802.11ac	*	5580	104.63	-	-	93.36	31.94	9.81	30.48	100	315	A	H
VHT20		5727.83	50.58	-17.62	68.2	38.98	32.31	9.86	30.57	100	315	P	H
CH 116		5453.68	50.84	-23.16	74	39.7	32.01	9.56	30.43	317	211	P	V
5580MHz		5464.24	50.96	-17.24	68.2	39.77	32.03	9.59	30.43	317	211	P	V
		5452.72	41.78	-12.22	54	30.64	32.01	9.56	30.43	317	211	A	V
	*	5580	116.35	-	-	105.08	31.94	9.81	30.48	317	211	P	V
	*	5580	108.17	-	-	96.9	31.94	9.81	30.48	317	211	A	V
		5759.96	51.48	-16.72	68.2	39.8	32.4	9.87	30.59	317	211	P	V

	*	5700	112.94	-	-	101.43	32.2	9.86	30.55	100	319	P	H
	*	5700	104.8	-	-	93.29	32.2	9.86	30.55	100	319	A	H
		5726.04	58.52	-9.68	68.2	46.93	32.3	9.86	30.57	100	319	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	117.73	-	-	106.22	32.2	9.86	30.55	304	208	P	V
5700MHz	*	5700	109.41	-	-	97.9	32.2	9.86	30.55	304	208	A	V
		5725.48	63.7	-4.5	68.2	52.11	32.3	9.86	30.57	304	208	P	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.74	-25.26	74	55.98	40.6	13.86	61.7	100	0	P	H
		16500	46.63	-21.57	68.2	49.48	39.3	17.55	59.7	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	48.52	-25.48	74	55.76	40.6	13.86	61.7	100	0	P	V
5500MHz		16500	45.95	-22.25	68.2	48.8	39.3	17.55	59.7	100	0	P	V
													V
													V
		11160	49.64	-24.36	74	57.28	40.08	14.14	61.86	100	0	P	H
		16740	47.56	-20.64	68.2	49.41	39.88	17.92	59.65	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	48.38	-25.62	74	56.02	40.08	14.14	61.86	100	0	P	V
5580MHz		16740	47.92	-20.28	68.2	49.77	39.88	17.92	59.65	100	0	P	V
													V
													V
		11400	47.5	-26.5	74	54.87	40.2	14.53	62.1	100	0	P	H
		17100	47.61	-20.59	68.2	48.85	39.9	18.24	59.38	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.54	-26.46	74	54.91	40.2	14.53	62.1	100	0	P	V
5700MHz		17100	47.31	-20.89	68.2	48.55	39.9	18.24	59.38	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.68	55.08	-18.92	74	43.91	32.02	9.58	30.43	100	328	P	H
		5466.88	57.37	-10.83	68.2	46.18	32.03	9.59	30.43	100	328	P	H
		5459.92	46.85	-7.15	54	35.68	32.02	9.58	30.43	100	328	A	H
	*	5510	108.65	-	-	97.34	32.08	9.67	30.44	100	328	P	H
802.11ac	*	5510	101.18	-	-	89.87	32.08	9.67	30.44	100	328	A	H
VHT40		5737.28	50.04	-18.16	68.2	38.41	32.35	9.86	30.58	100	328	P	H
CH 102		5459.68	59.5	-14.5	74	48.33	32.02	9.58	30.43	300	206	P	V
5510MHz		5469.52	61.62	-6.58	68.2	50.41	32.04	9.6	30.43	300	206	P	V
		5459.92	50.3	-3.7	54	39.13	32.02	9.58	30.43	300	206	A	V
	*	5510	112.98	-	-	101.67	32.08	9.67	30.44	300	206	P	V
	*	5510	105.19	-	-	93.88	32.08	9.67	30.44	300	206	A	V
		5735.39	51.81	-16.39	68.2	40.19	32.34	9.86	30.58	300	206	P	V
		5459.92	51.6	-22.4	74	40.43	32.02	9.58	30.43	100	323	P	H
		5462.32	51.75	-16.45	68.2	40.58	32.02	9.58	30.43	100	323	P	H
		5452.72	43.33	-10.67	54	32.19	32.01	9.56	30.43	100	323	A	H
	*	5550	108.94	-	-	97.65	32	9.75	30.46	100	323	P	H
802.11ac	*	5550	101.72	-	-	90.43	32	9.75	30.46	100	323	A	H
VHT40		5736.02	50.06	-18.14	68.2	38.44	32.34	9.86	30.58	100	323	P	H
CH 110		5453.44	52.95	-21.05	74	41.81	32.01	9.56	30.43	314	210	P	V
5550MHz		5465.68	52.47	-15.73	68.2	41.28	32.03	9.59	30.43	314	210	P	V
		5457.04	44.39	-9.61	54	33.24	32.01	9.57	30.43	314	210	A	V
	*	5550	111.84	-	-	100.55	32	9.75	30.46	314	210	P	V
	*	5550	103.92	-	-	92.63	32	9.75	30.46	314	210	A	V
		5759.96	51.55	-16.65	68.2	39.87	32.4	9.87	30.59	314	210	P	V

		5401.1	49.61	-24.39	74	38.87	31.71	9.46	30.43	100	322	P	H
		5461.3	49.73	-18.47	68.2	38.56	32.02	9.58	30.43	100	322	P	H
		5452.55	42.57	-11.43	54	31.43	32.01	9.56	30.43	100	322	A	H
	*	5670	109.79	-	-	98.45	32.02	9.86	30.54	100	322	P	H
802.11ac	*	5670	101.99	-	-	90.65	32.02	9.86	30.54	100	322	A	H
VHT40		5730.525	56.29	-11.91	68.2	44.68	32.32	9.86	30.57	100	322	P	H
CH 134		5421.4	50.74	-23.26	74	39.84	31.83	9.5	30.43	293	145	P	V
5670MHz		5461.3	49.78	-18.42	68.2	38.61	32.02	9.58	30.43	293	145	P	V
		5436.8	42.32	-11.68	54	31.3	31.92	9.53	30.43	293	145	A	V
	*	5670	112.61	-	-	101.27	32.02	9.86	30.54	293	145	P	V
	*	5670	104.91	-	-	93.57	32.02	9.86	30.54	293	145	A	V
		5726.675	61.05	-7.15	68.2	49.45	32.31	9.86	30.57	293	145	P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	48.53	-25.47	74	55.84	40.52	13.89	61.72	100	0	P	H
		16530	45.65	-22.55	68.2	48.38	39.36	17.6	59.69	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	48.21	-25.79	74	55.52	40.52	13.89	61.72	100	0	P	V
5510MHz		16530	46.22	-21.98	68.2	48.95	39.36	17.6	59.69	100	0	P	V
													V
													V
		11100	48.93	-25.07	74	56.55	40.2	13.98	61.8	100	0	P	H
		16650	46.78	-21.42	68.2	49.08	39.55	17.82	59.67	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	49.95	-24.05	74	57.57	40.2	13.98	61.8	100	0	P	V
5550MHz		16650	47.34	-20.86	68.2	49.64	39.55	17.82	59.67	100	0	P	V
													V
													V
		11340	47.63	-26.37	74	55.06	40.08	14.53	62.04	100	0	P	H
		17010	47.48	-20.72	68.2	48.98	39.99	18.09	59.58	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.43	-26.57	74	54.86	40.08	14.53	62.04	100	0	P	V
5670MHz		17010	46.71	-21.49	68.2	48.21	39.99	18.09	59.58	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.84	56.86	-17.14	74	45.71	32.01	9.57	30.43	100	328	P	H
		5466.16	59.54	-8.66	68.2	48.35	32.03	9.59	30.43	100	328	P	H
		5455.12	49.83	-4.17	54	38.68	32.01	9.57	30.43	100	328	A	H
	*	5530	105.21	-	-	93.91	32.04	9.71	30.45	100	328	P	H
802.11ac	*	5530	97.84	-	-	86.54	32.04	9.71	30.45	100	328	A	H
VHT80		5764.055	50.01	-18.19	68.2	38.33	32.4	9.87	30.59	100	328	P	H
CH 106		5447.44	61.15	-12.85	74	50.05	31.98	9.55	30.43	297	208	P	V
5530MHz		5468.08	63.45	-4.75	68.2	52.25	32.04	9.59	30.43	297	208	P	V
		5459.92	53.32	-0.68	54	42.15	32.02	9.58	30.43	297	208	A	V
	*	5530	108.5	-	-	97.2	32.04	9.71	30.45	297	208	P	V
	*	5530	100.85	-	-	89.55	32.04	9.71	30.45	297	208	A	V
		5733.5	52.28	-15.92	68.2	40.66	32.33	9.86	30.57	297	208	P	V
		5448.16	50.93	-23.07	74	39.82	31.99	9.55	30.43	100	321	P	H
		5464.96	50.44	-17.76	68.2	39.25	32.03	9.59	30.43	100	321	P	H
		5452.96	43.32	-10.68	54	32.18	32.01	9.56	30.43	100	321	A	H
	*	5610	106.26	-	-	95.01	31.9	9.85	30.5	100	321	P	H
802.11ac	*	5610	99.03	-	-	87.78	31.9	9.85	30.5	100	321	A	H
VHT80		5729.72	53.05	-15.15	68.2	41.44	32.32	9.86	30.57	100	321	P	H
CH 122		5459.44	51.11	-22.89	74	39.94	32.02	9.58	30.43	337	207	P	V
5610MHz		5464	51.47	-16.73	68.2	40.29	32.03	9.58	30.43	337	207	P	V
		5452.72	42.8	-11.2	54	31.66	32.01	9.56	30.43	337	207	A	V
	*	5610	109.21	-	-	97.96	31.9	9.85	30.5	337	207	P	V
	*	5610	101.5	-	-	90.25	31.9	9.85	30.5	337	207	A	V
		5759.645	52.75	-15.45	68.2	41.07	32.4	9.87	30.59	337	207	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	49.14	-24.86	74	56.6	40.36	13.94	61.76	100	0	P	H
		16590	47.08	-21.12	68.2	49.57	39.48	17.71	59.68	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	48.75	-25.25	74	56.21	40.36	13.94	61.76	100	0	P	V
5530MHz		16590	46.62	-21.58	68.2	49.11	39.48	17.71	59.68	100	0	P	V
													V
													V
		11220	47.87	-26.13	74	55.47	40	14.32	61.92	100	0	P	H
		16830	48.25	-19.95	68.2	49.65	40.27	17.96	59.63	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.86	-26.14	74	55.46	40	14.32	61.92	100	0	P	V
5610MHz		16830	47.83	-20.37	68.2	49.23	40.27	17.96	59.63	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		5443.99	50.19	-23.81	74	39.11	31.96	9.55	30.43	100	355	P	H
		5469.34	50.91	-17.29	68.2	39.7	32.04	9.6	30.43	100	355	P	H
		5452.96	40.55	-13.45	54	29.41	32.01	9.56	30.43	100	355	A	H
	*	5720	102.88	-	-	91.31	32.28	9.86	30.57	100	355	P	H
	*	5720	95.24	-	-	83.67	32.28	9.86	30.57	100	355	A	H
		5914.75	52.01	-16.19	68.2	40.13	32.56	10.01	30.69	100	355	P	H
		5407.33	50.97	-23.03	74	40.19	31.74	9.47	30.43	300	151	P	V
		5460.37	50.7	-17.5	68.2	39.53	32.02	9.58	30.43	300	151	P	V
		5452.96	40.76	-13.24	54	29.62	32.01	9.56	30.43	300	151	A	V
	*	5720	109.83	-	-	98.26	32.28	9.86	30.57	300	151	P	V
	*	5720	102.18	-	-	90.61	32.28	9.86	30.57	300	151	A	V
		5888.5	52.29	-15.91	68.2	40.5	32.48	9.98	30.67	300	151	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	45.07	-28.93	74	52.46	40.24	14.51	62.14	100	0	P	H
		17160	47.76	-20.44	68.2	48.63	40.02	18.36	59.25	100	0	P	H
													H
													H
		11440	44.94	-29.06	74	52.33	40.24	14.51	62.14	100	0	P	V
		17160	48.04	-20.16	68.2	48.91	40.02	18.36	59.25	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.18	50.75	-23.25	74	39.62	32	9.56	30.43	100	329	P	H
		5463.1	50.31	-17.89	68.2	39.13	32.03	9.58	30.43	100	329	P	H
		5452.57	40.48	-13.52	54	29.34	32.01	9.56	30.43	100	329	A	H
	*	5720	103.02	-	-	91.45	32.28	9.86	30.57	100	329	P	H
802.11ac	*	5720	95.15	-	-	83.58	32.28	9.86	30.57	100	329	A	H
VHT20		5912.5	52.08	-16.12	68.2	40.21	32.55	10.01	30.69	100	329	P	H
CH 144		5371.06	50.23	-23.77	74	39.69	31.53	9.44	30.43	300	149	P	V
5720MHz		5469.34	49.67	-18.53	68.2	38.46	32.04	9.6	30.43	300	149	P	V
		5452.96	40.7	-13.3	54	29.56	32.01	9.56	30.43	300	149	A	V
	*	5720	109.73	-	-	98.16	32.28	9.86	30.57	300	149	P	V
	*	5720	101.71	-	-	90.14	32.28	9.86	30.57	300	149	A	V
		5931	53.05	-15.15	68.2	41.1	32.62	10.03	30.7	300	149	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	46.27	-27.73	74	53.66	40.24	14.51	62.14	100	0	P	H
		17160	47.83	-20.37	68.2	48.7	40.02	18.36	59.25	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	45.63	-28.37	74	53.02	40.24	14.51	62.14	100	0	P	V
5720MHz		17160	47.93	-20.27	68.2	48.8	40.02	18.36	59.25	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5399.53	50.04	-23.96	74	39.31	31.7	9.46	30.43	100	323	P	H
		5459.98	49.81	-24.19	74	38.64	32.02	9.58	30.43	100	323	P	H
		5454.52	41.9	-12.1	54	30.75	32.01	9.57	30.43	100	323	A	H
	*	5710	101.78	-	-	90.24	32.24	9.86	30.56	100	323	P	H
802.11ac	*	5710	94.03	-	-	82.49	32.24	9.86	30.56	100	323	A	H
VHT40		5893	52.44	-15.76	68.2	40.63	32.49	9.99	30.67	100	323	P	H
CH 142		5355.85	50.73	-23.27	74	40.29	31.44	9.43	30.43	298	151	P	V
5710MHz		5461.15	49.53	-18.67	68.2	38.36	32.02	9.58	30.43	298	151	P	V
		5457.25	42.09	-11.91	54	30.94	32.01	9.57	30.43	298	151	A	V
	*	5710	107.98	-	-	96.44	32.24	9.86	30.56	298	151	P	V
	*	5710	100.08	-	-	88.54	32.24	9.86	30.56	298	151	A	V
		5936	52.42	-15.78	68.2	40.44	32.64	10.04	30.7	298	151	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	45.69	-28.31	74	53.07	40.22	14.52	62.12	100	0	P	H
		17130	48.1	-20.1	68.2	49.15	39.96	18.3	59.31	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.28	-27.72	74	53.66	40.22	14.52	62.12	100	0	P	V
5710MHz		17130	47.44	-20.76	68.2	48.49	39.96	18.3	59.31	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.08	50.93	-23.07	74	39.78	32.01	9.57	30.43	100	356	P	H
		5468.95	49.95	-18.25	68.2	38.75	32.04	9.59	30.43	100	356	P	H
		5459.98	41.89	-12.11	54	30.72	32.02	9.58	30.43	100	356	A	H
	*	5690	98.15	-	-	86.7	32.14	9.86	30.55	100	356	P	H
802.11ac	*	5690	91.01	-	-	79.56	32.14	9.86	30.55	100	356	A	H
VHT80		5856.4	51.69	-16.51	68.2	39.99	32.41	9.94	30.65	100	356	P	H
CH 138		5452.96	50.62	-23.38	74	39.48	32.01	9.56	30.43	300	151	P	V
5690MHz		5461.15	50.08	-18.12	68.2	38.91	32.02	9.58	30.43	300	151	P	V
		5436.19	42.22	-11.78	54	31.2	31.92	9.53	30.43	300	151	A	V
	*	5690	104.19	-	-	92.74	32.14	9.86	30.55	300	151	P	V
	*	5690	97.03	-	-	85.58	32.14	9.86	30.55	300	151	A	V
		5851.9	51.62	-16.58	68.2	39.94	32.4	9.93	30.65	300	151	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	46.25	-27.75	74	53.64	40.16	14.53	62.08	100	0	P	H
		17070	47.9	-20.3	68.2	49.23	39.93	18.19	59.45	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.8	-28.2	74	53.19	40.16	14.53	62.08	100	0	P	V
5690MHz		17070	47.44	-20.76	68.2	48.77	39.93	18.19	59.45	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		106.63	28.55	-14.95	43.5	42.99	16.7	1.37	32.51	-	-	P	H
		207.51	28.27	-15.23	43.5	43.59	15.2	1.97	32.49	-	-	P	H
		262.8	27.6	-18.4	46	37.94	20	2.18	32.52	-	-	P	H
		671.17	28.93	-17.07	46	31.44	26.6	3.35	32.46	-	-	P	H
		788.54	31.9	-14.1	46	32.14	28.33	3.65	32.22	-	-	P	H
		924.34	33.54	-12.46	46	31.37	29.59	4.02	31.44	100	0	P	H
													H
													H
													H
													H
													H
													H
		30	30.56	-9.44	40	37.27	25.2	0.71	32.62	100	0	P	V
		102.75	21.36	-22.14	43.5	36.21	16.3	1.36	32.51	-	-	P	V
		261.83	30.08	-15.92	46	40.43	20	2.17	32.52	-	-	P	V
		272.5	27.43	-18.57	46	38.86	18.9	2.2	32.53	-	-	P	V
		567.38	27.58	-18.42	46	30.65	26.35	3.17	32.59	-	-	P	V
		788.54	32.03	-13.97	46	32.27	28.33	3.65	32.22	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

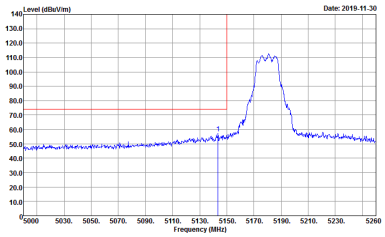
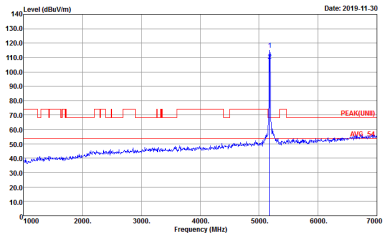
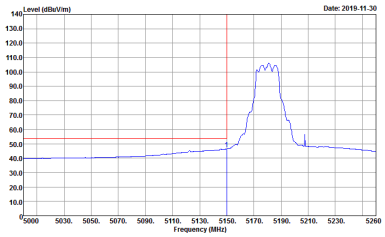
Test Engineer :	Leo Li, Karl Hou, and Bigshow Wang	**Temperature :**	24.5~25.1°C
		Relative Humidity :	55~63%
Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 1 and Ant. 2 means Chain 2.			

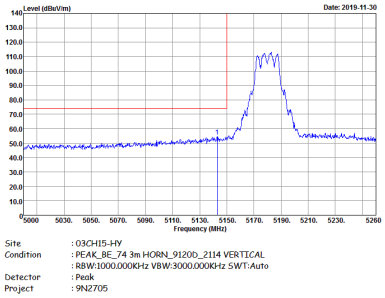
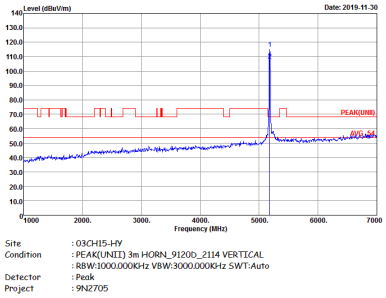
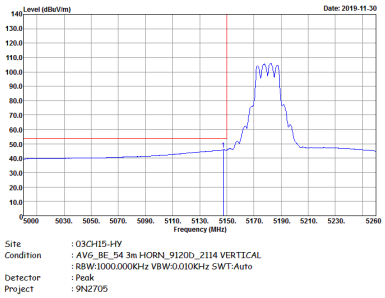
Note symbol

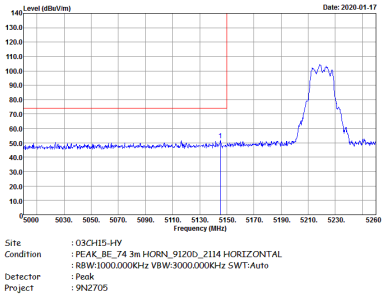
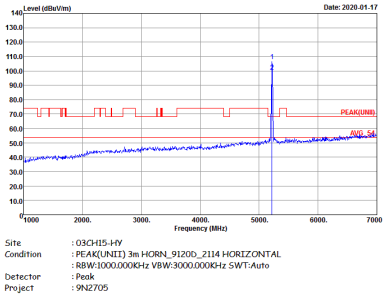
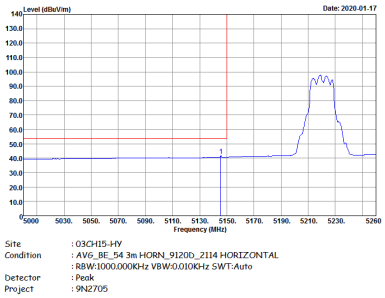
-L	**Low channel location**
-R	**High channel location**

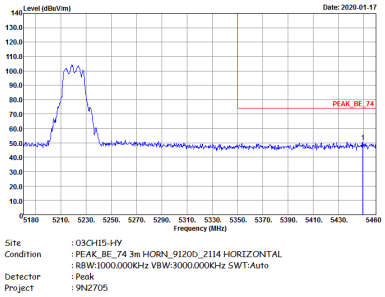
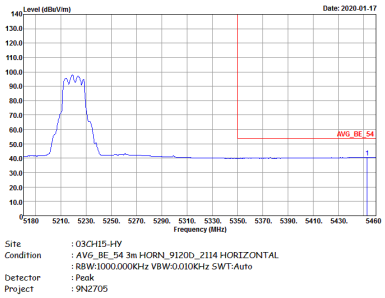
Band 1 - 5150~5250MHz

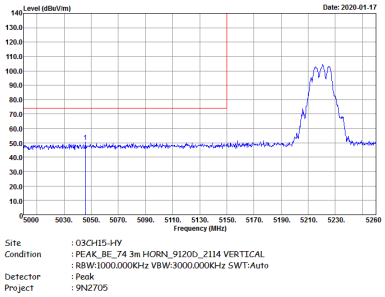
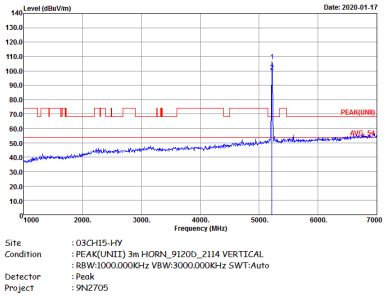
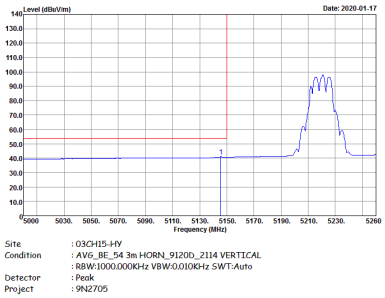
WIFI 802.11a (Band Edge @ 3m)

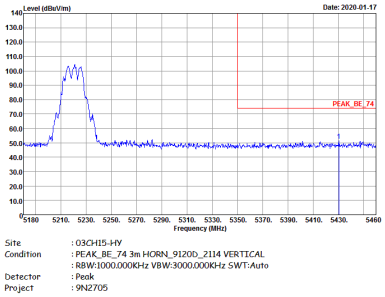
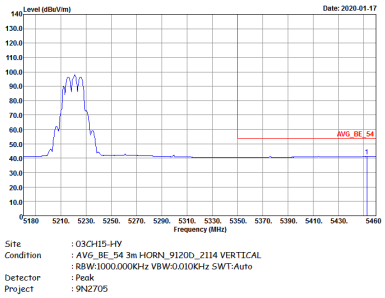
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

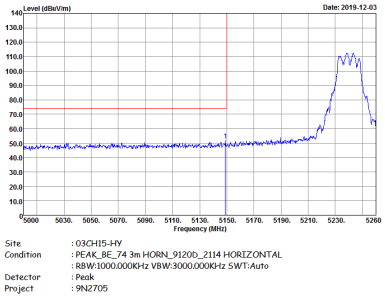
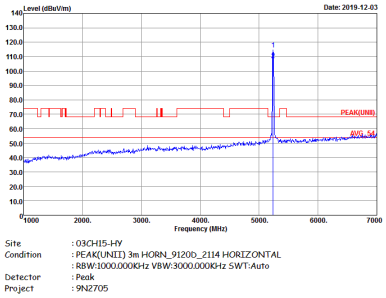
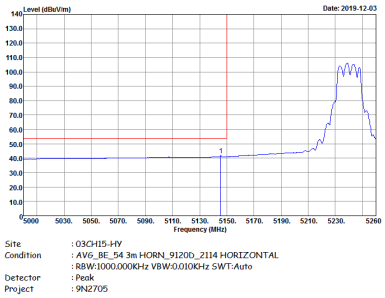
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

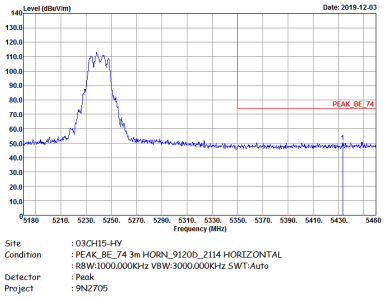
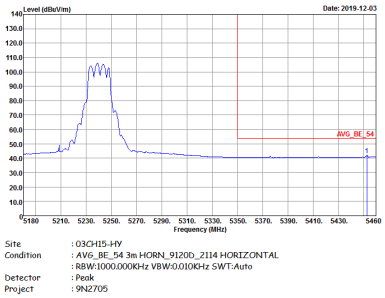
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

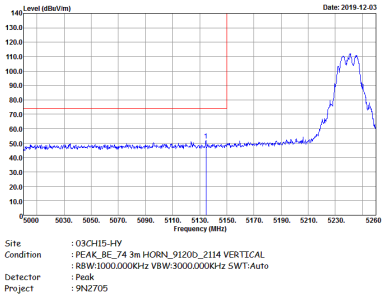
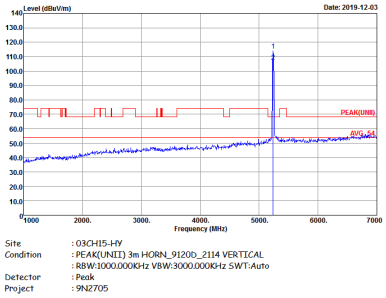
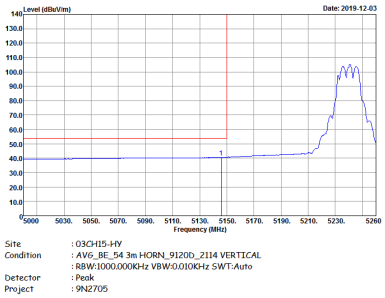
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

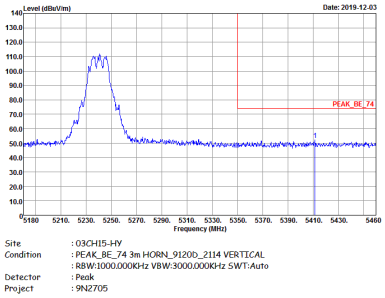
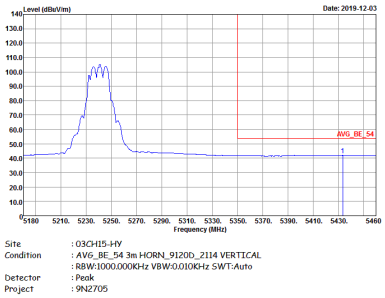
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

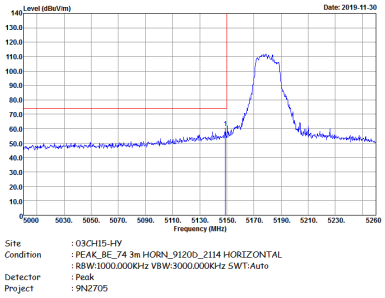
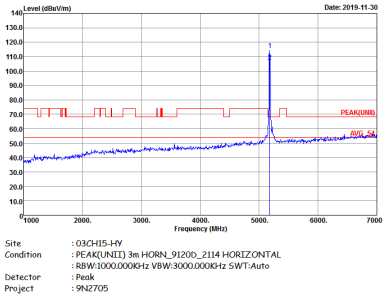
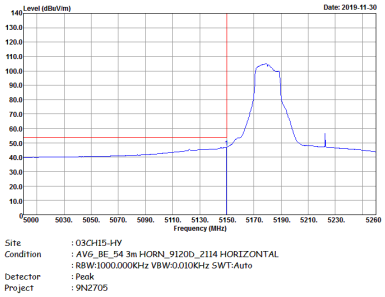
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

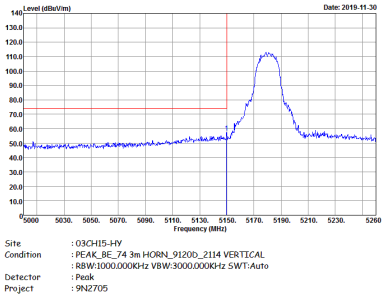
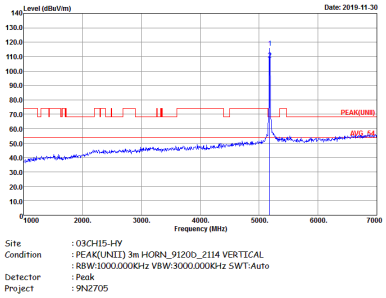
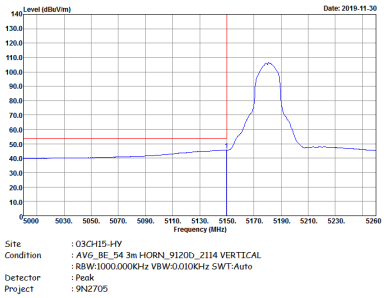
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

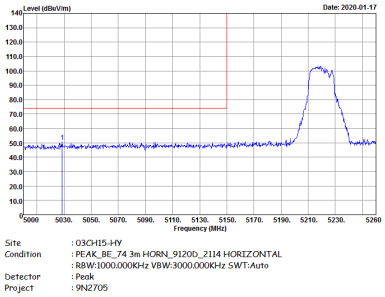
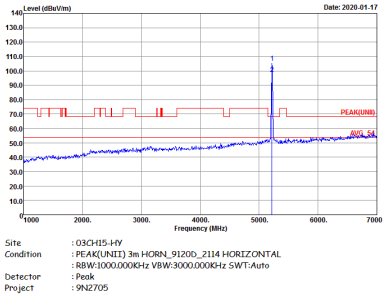
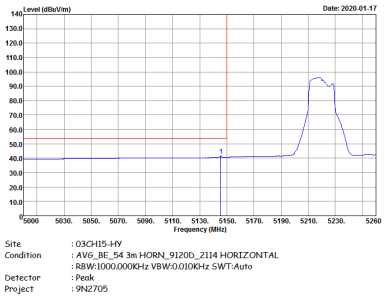
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

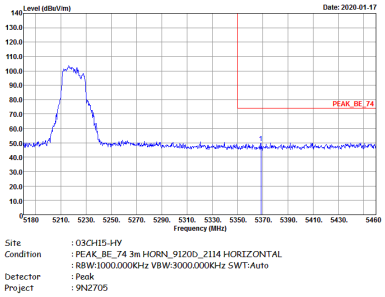
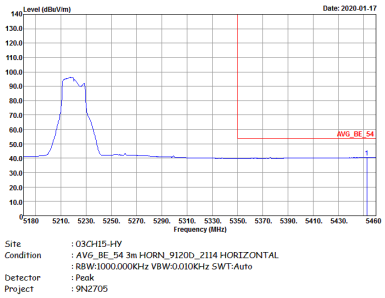
Band 1 5150~5250MHz

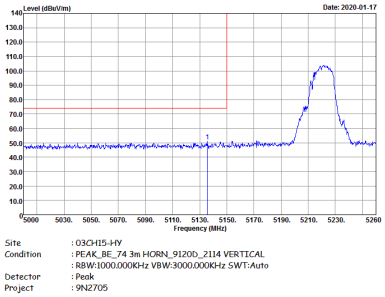
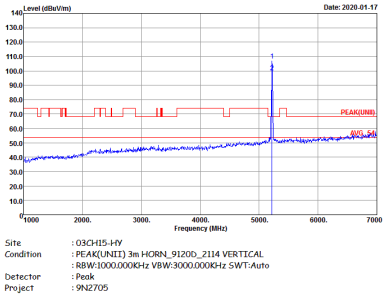
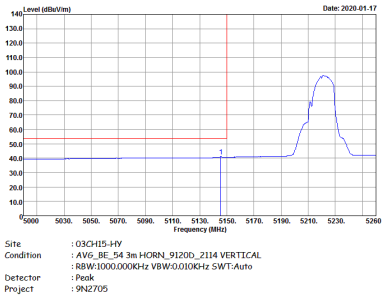
WIFI 802.11ac VHT20 (Band Edge @ 3m)

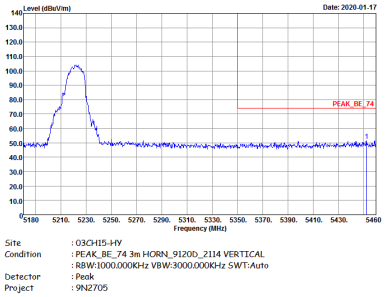
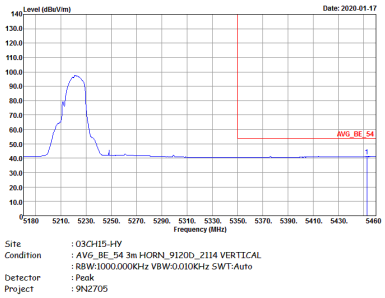
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

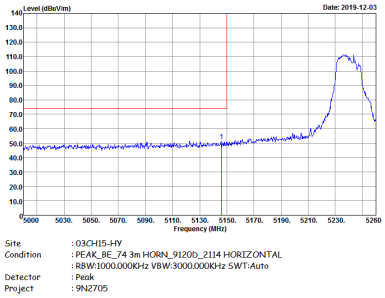
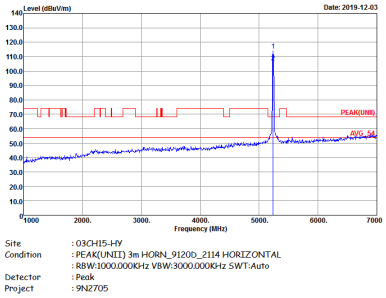
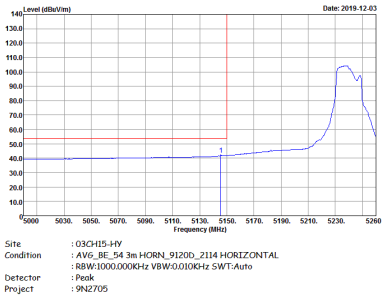
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

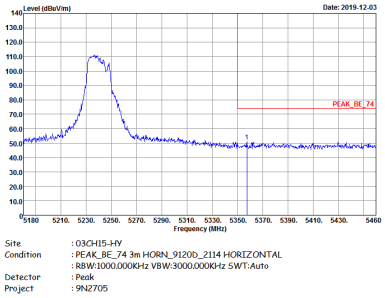
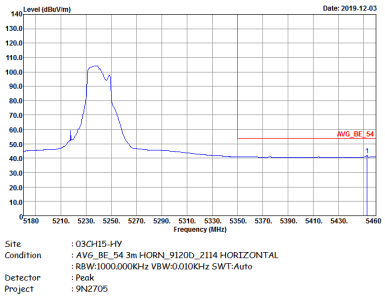
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

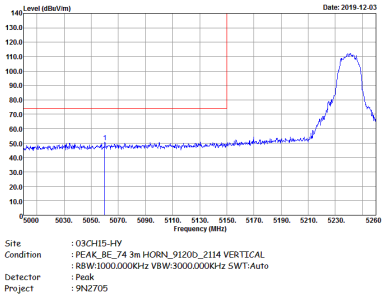
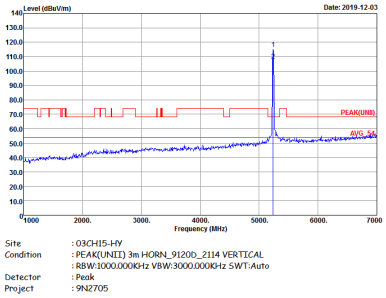
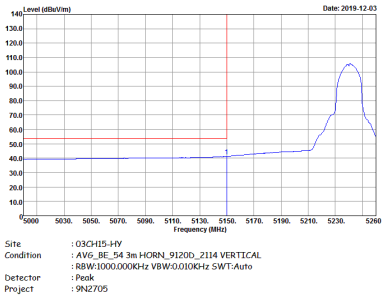
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

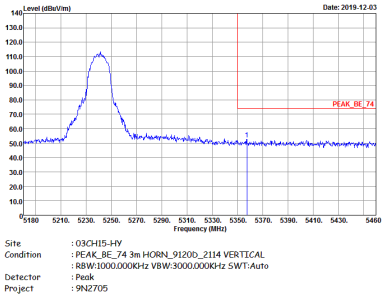
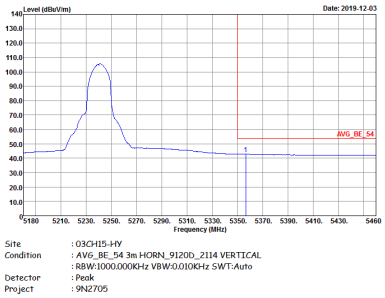
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

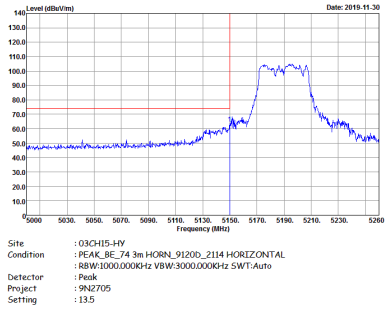
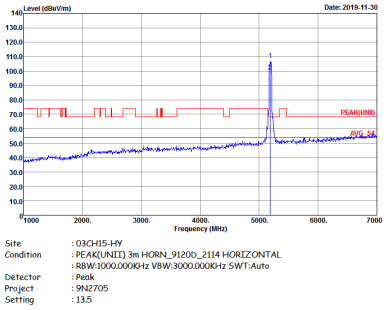
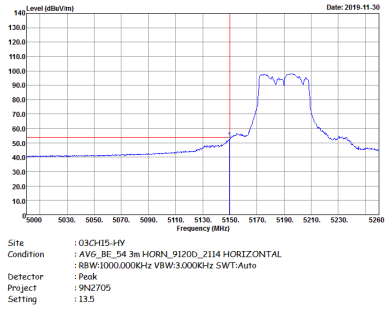
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

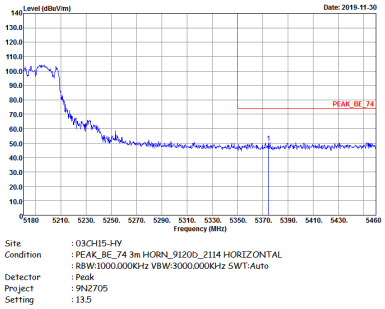
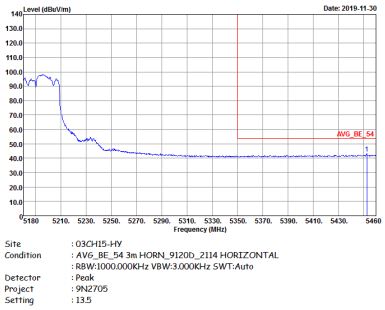
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

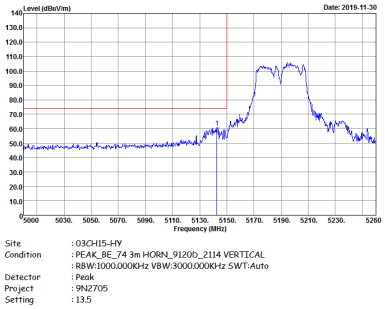
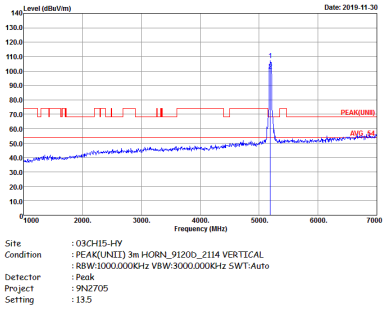
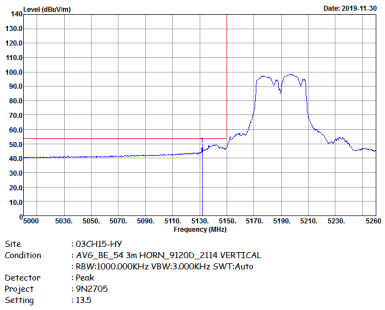
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

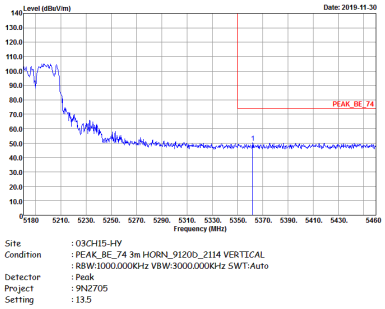
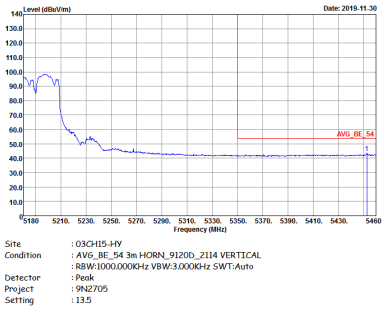
Band 1 5150~5250MHz

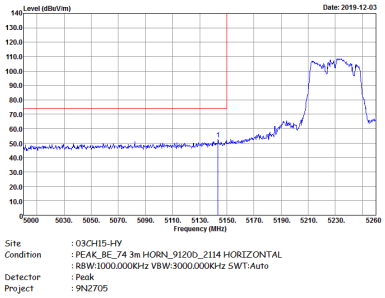
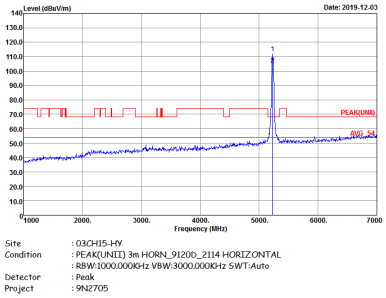
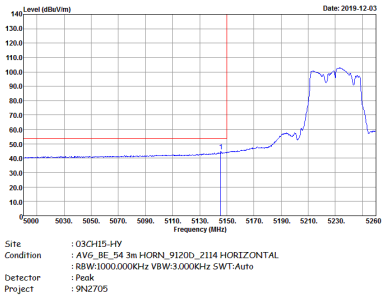
WIFI 802.11ac VHT40 (Band Edge @ 3m)

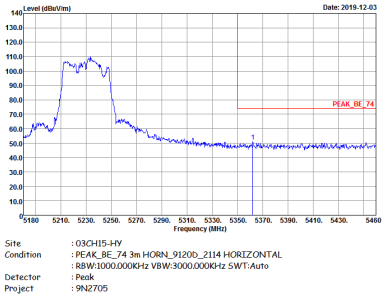
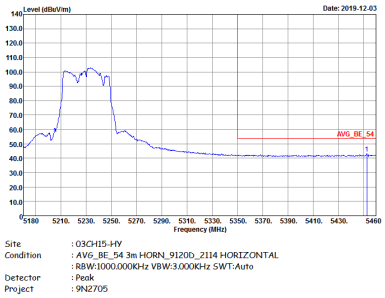
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

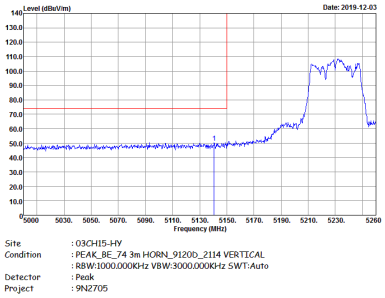
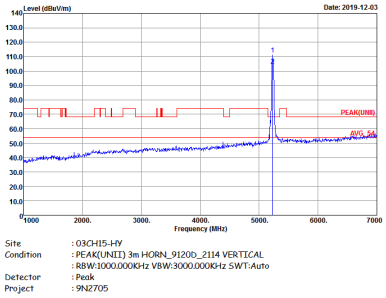
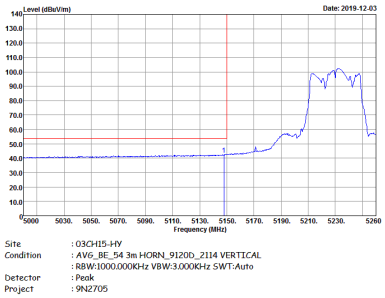
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

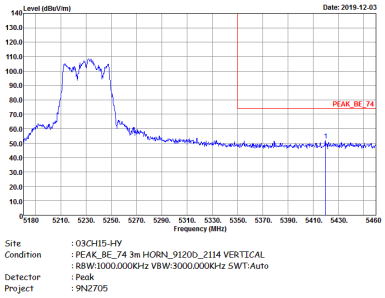
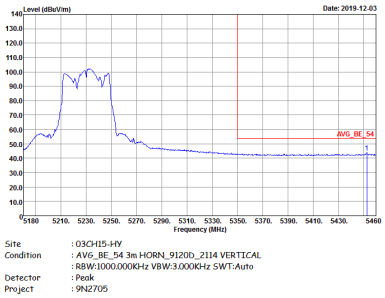
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

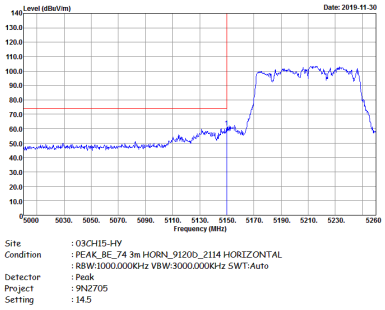
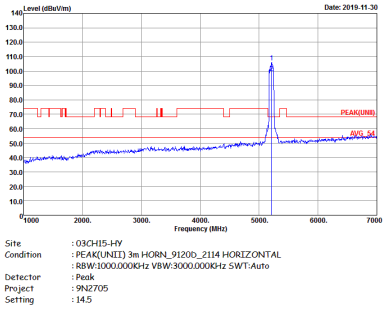
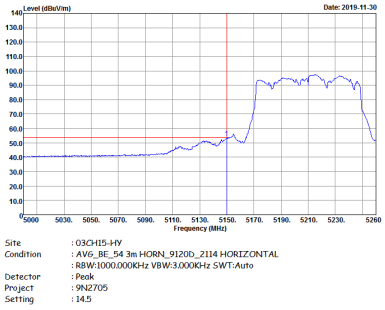
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

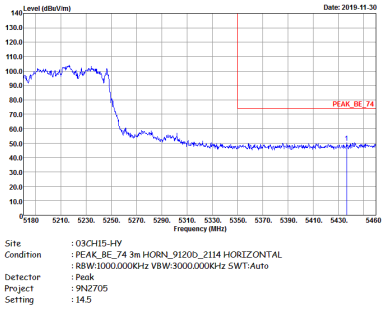
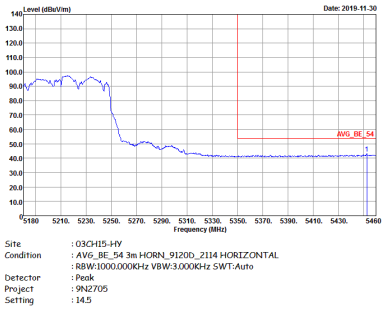
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

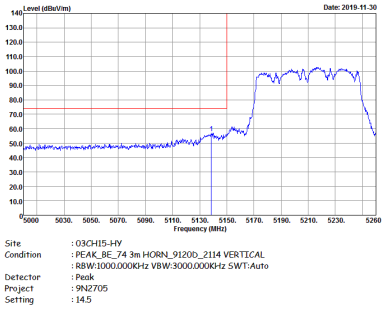
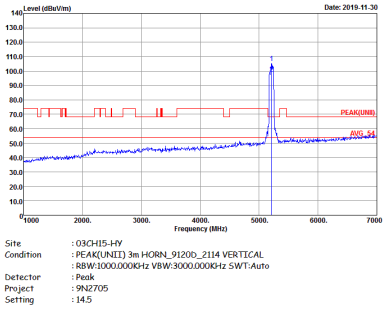
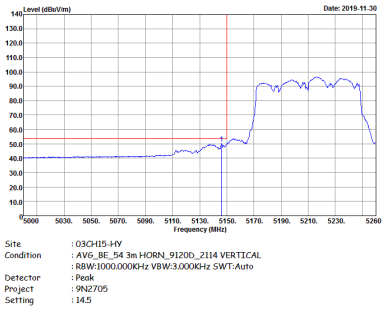
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

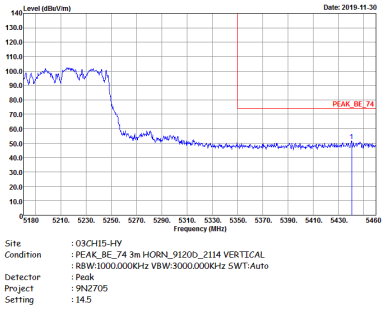
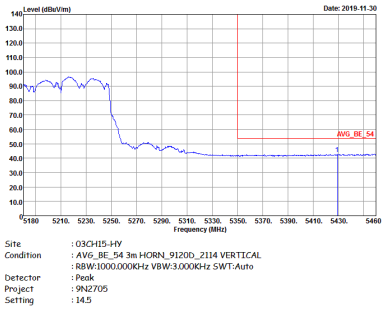
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

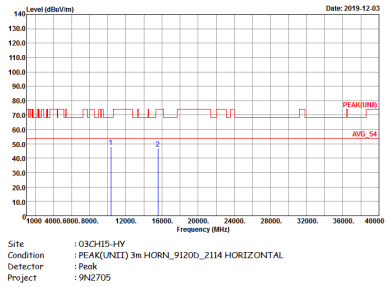
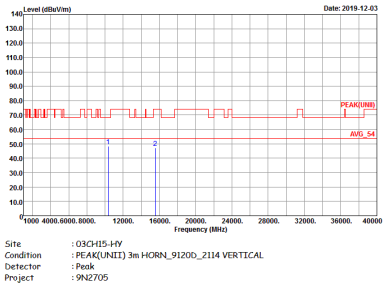
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

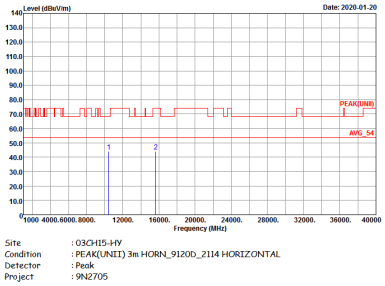
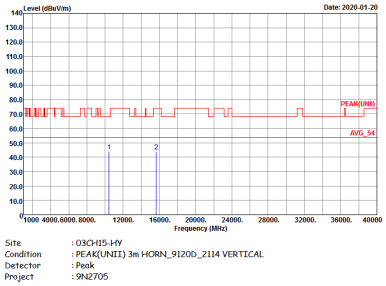
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

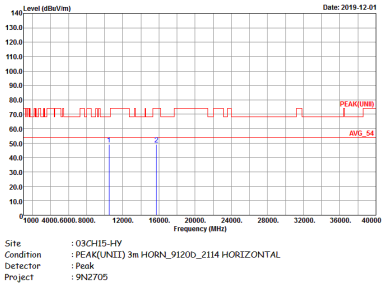
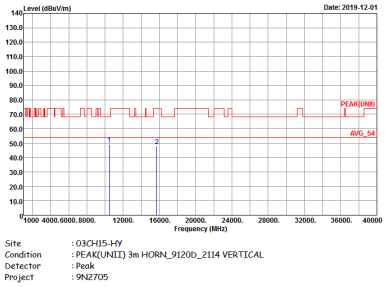
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

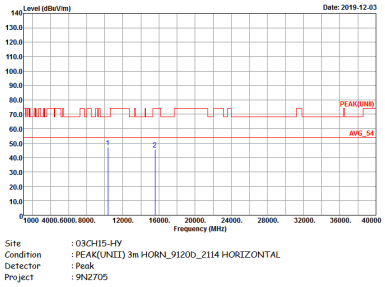
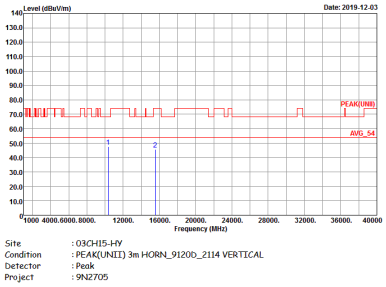
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

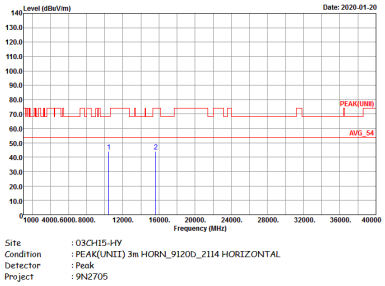
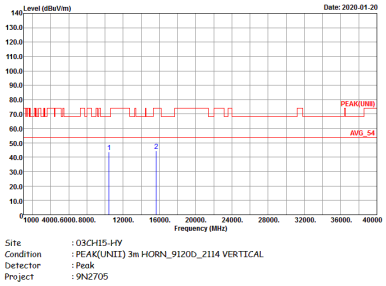
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

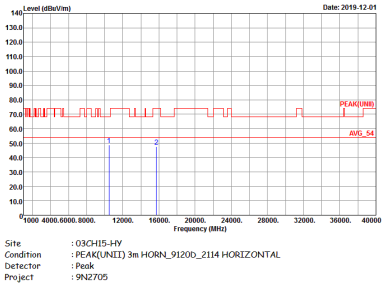
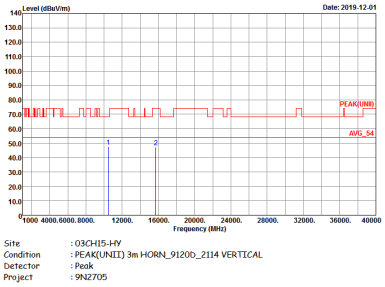
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9NZ705	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9NZ705

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

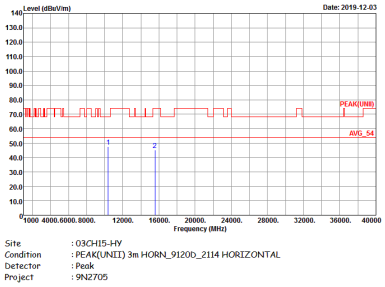
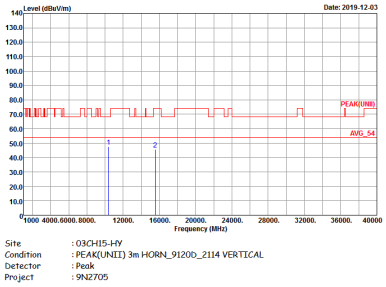
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

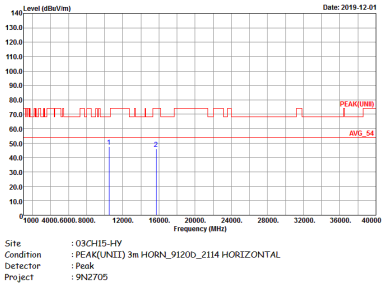
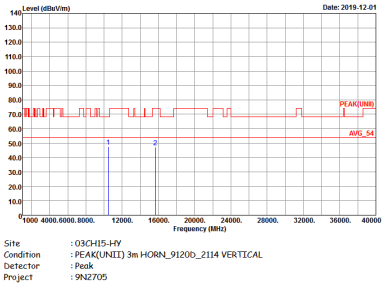
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9NZ705	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9NZ705

Band 1 5150~5250MHz

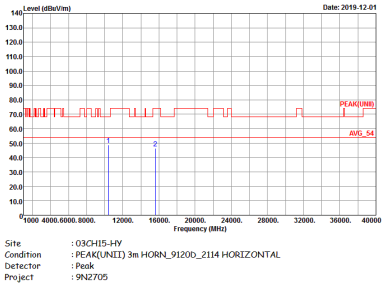
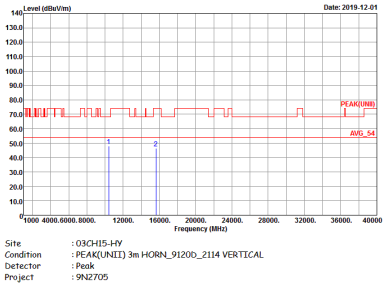
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9NZ705	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9NZ705

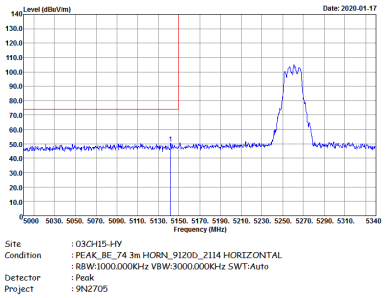
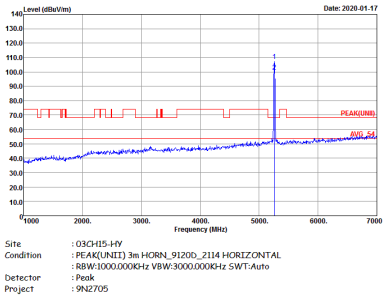
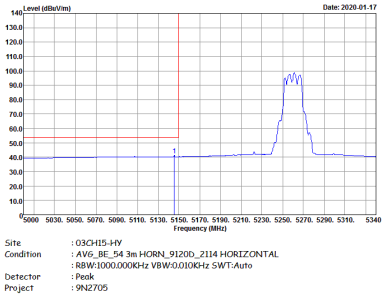
Band 1 5150~5250MHz

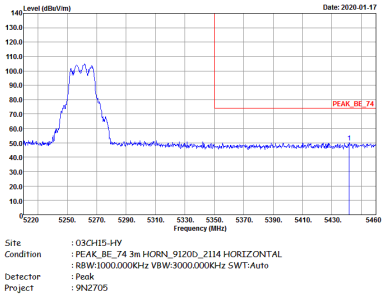
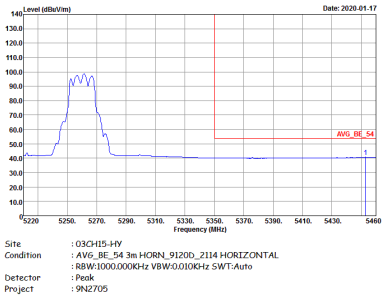
WIFI 802.11ac VHT80 (Harmonic @ 3m)

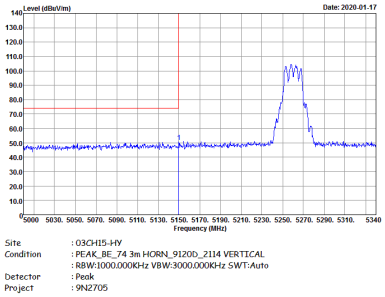
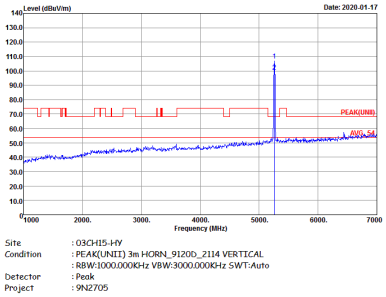
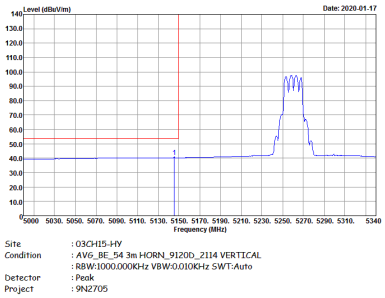
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

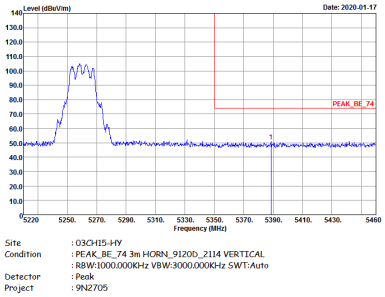
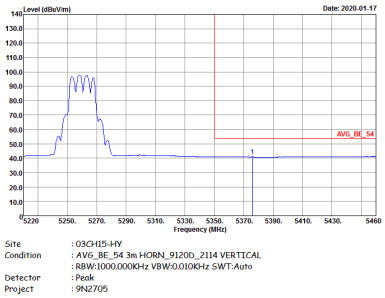
Band 2 - 5250~5350MHz

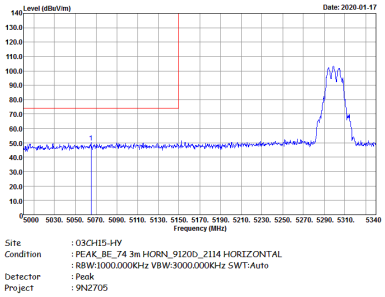
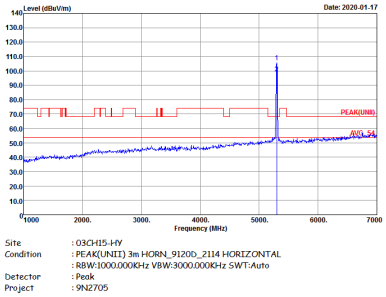
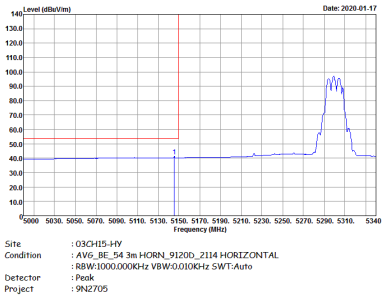
WIFI 802.11a (Band Edge @ 3m)

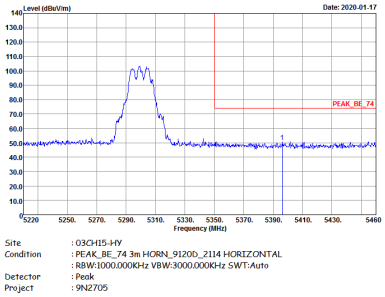
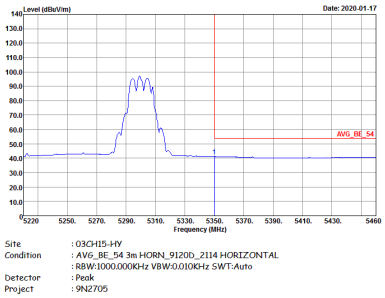
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

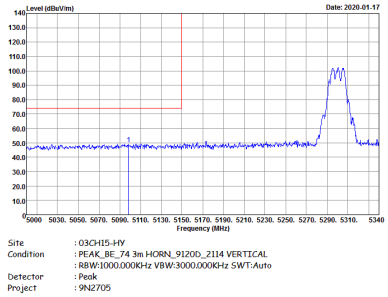
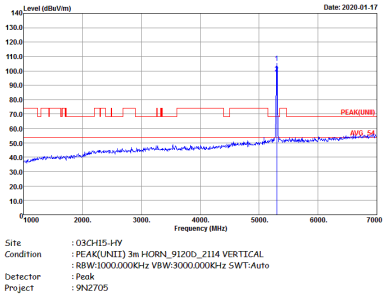
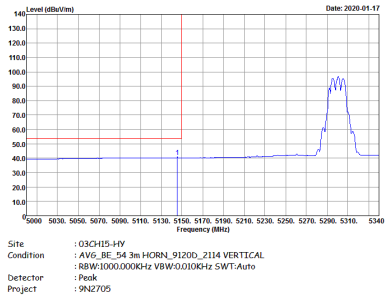
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

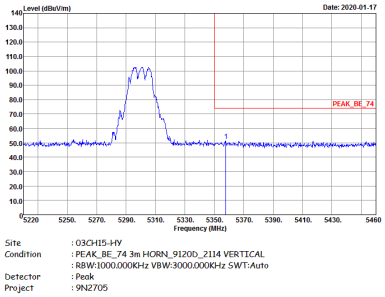
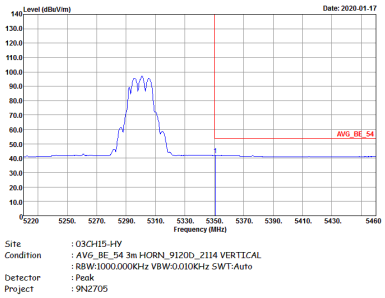
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

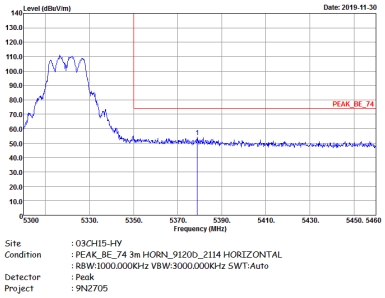
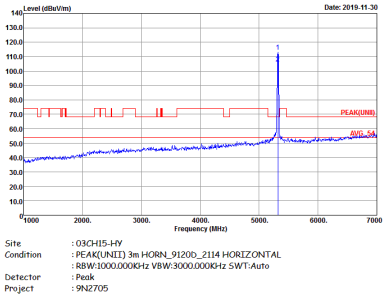
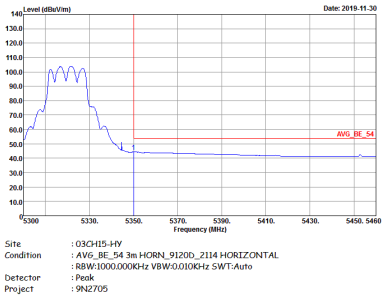
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

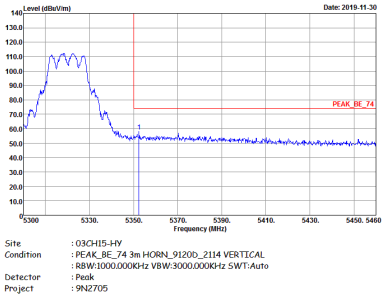
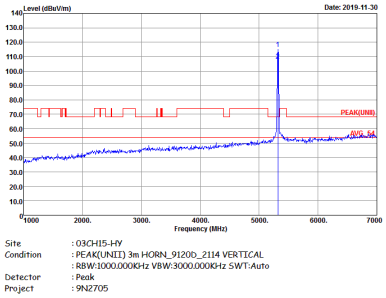
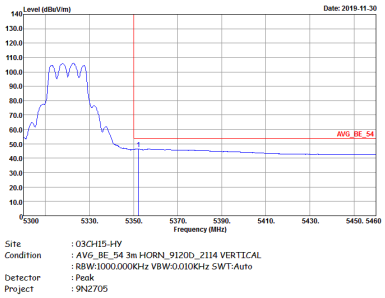
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

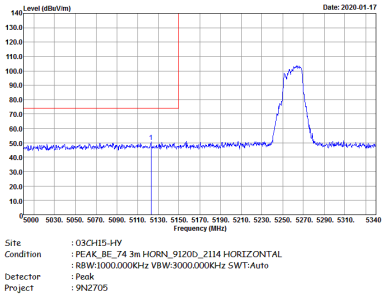
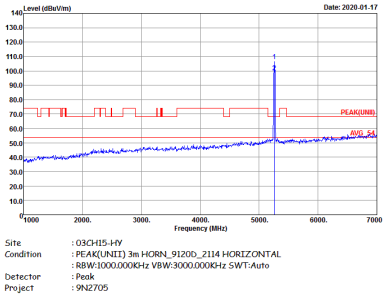
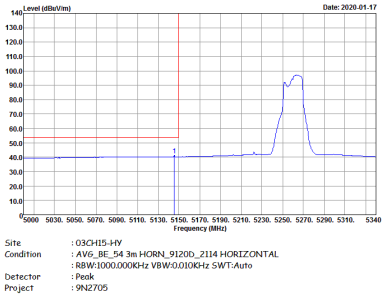
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

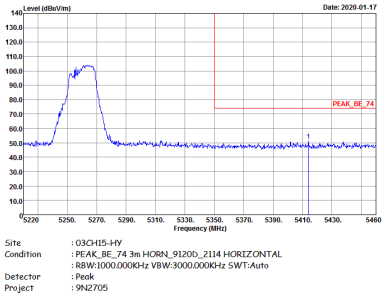
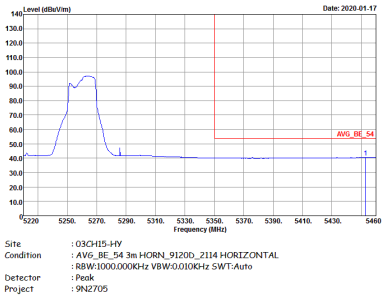
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

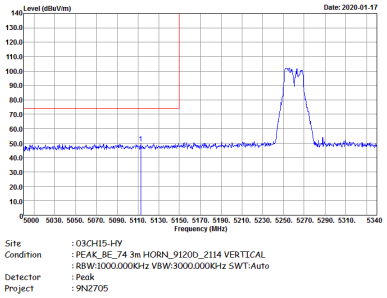
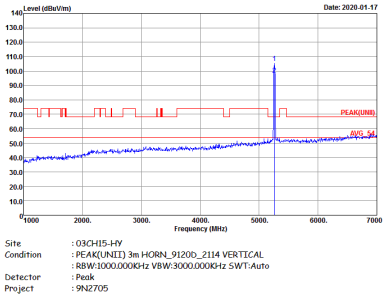
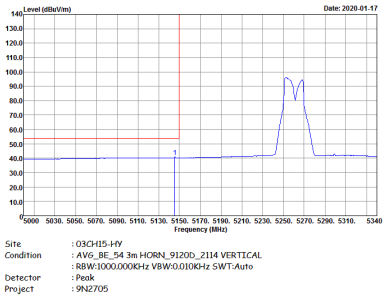
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

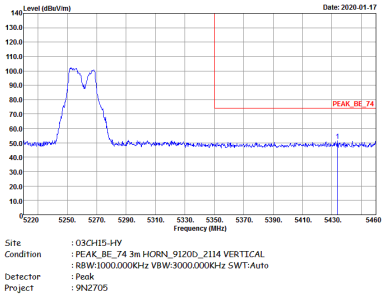
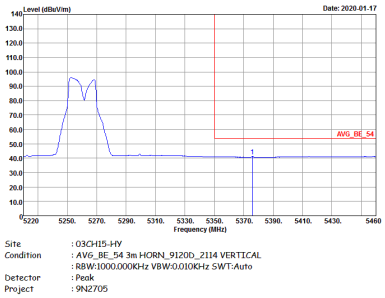
Band 2 5250~5350MHz

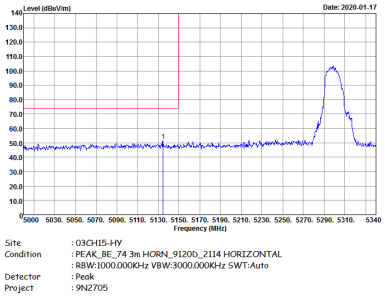
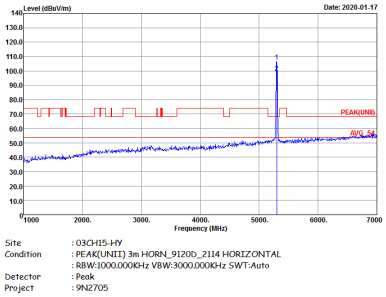
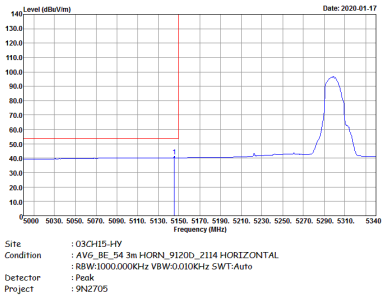
WIFI 802.11ac VHT20 (Band Edge @ 3m)

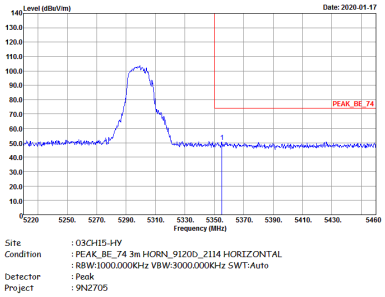
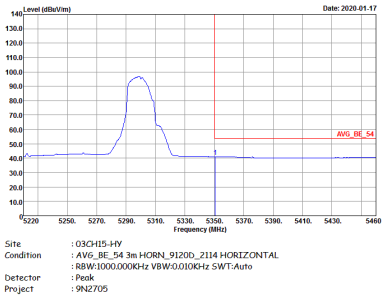
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

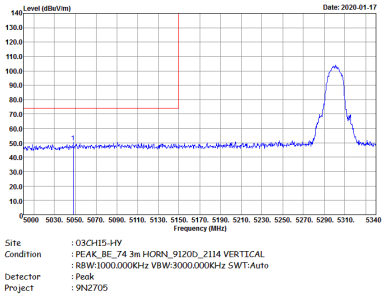
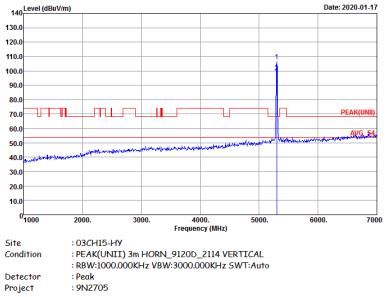
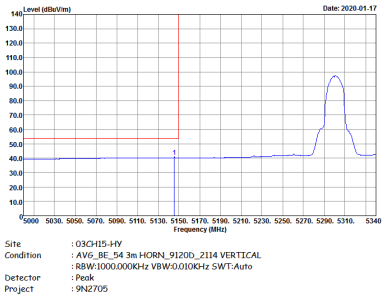
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

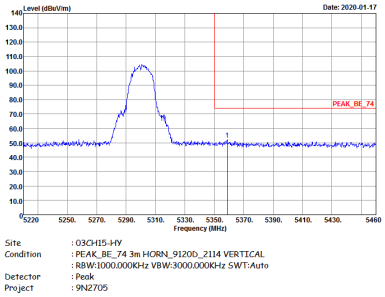
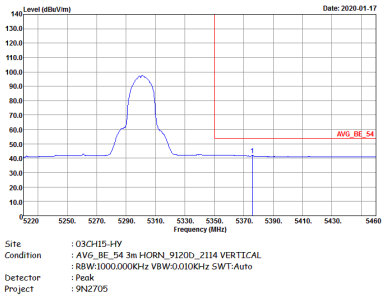
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

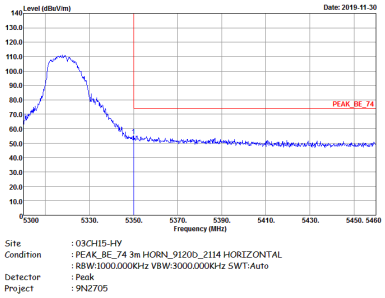
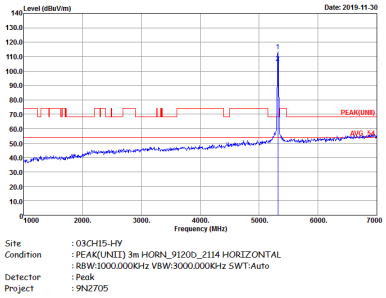
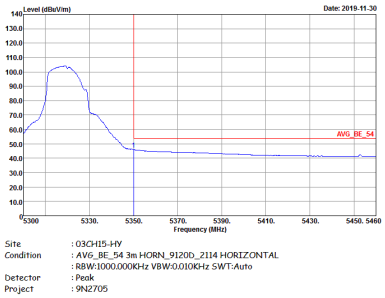
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

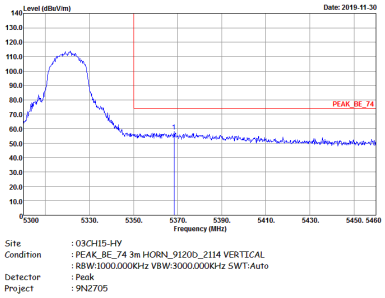
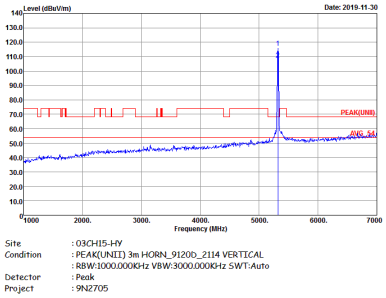
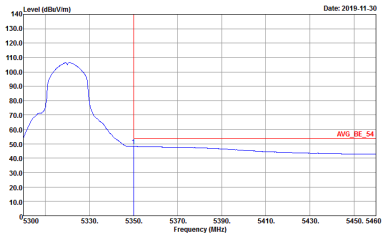
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

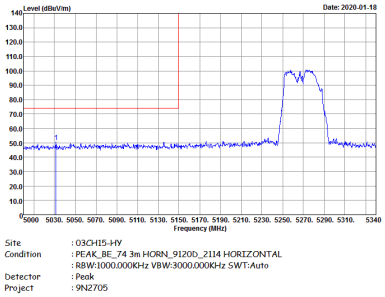
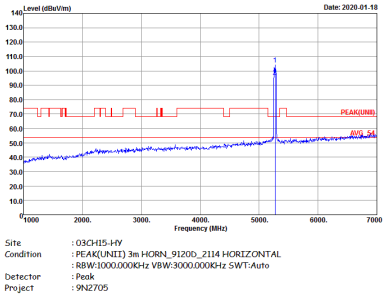
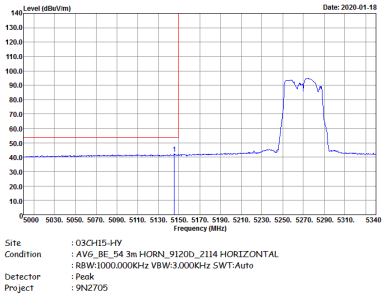
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

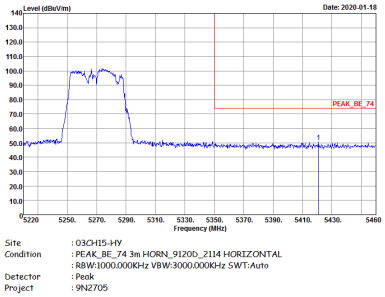
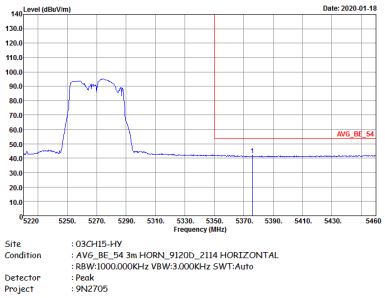
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

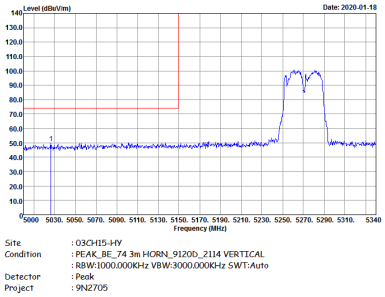
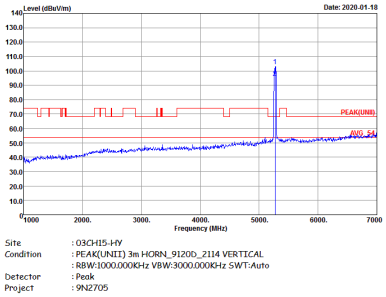
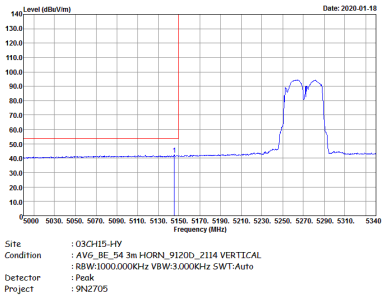
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank

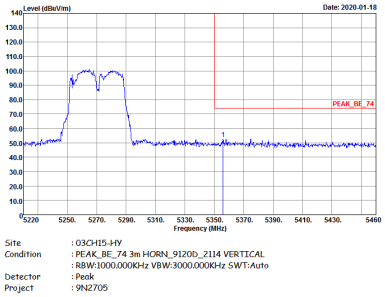
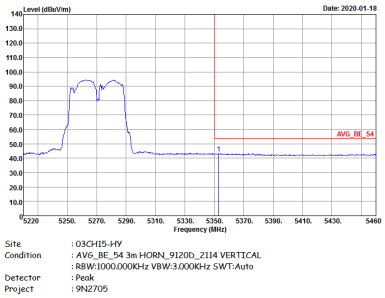
Band 2 5250~5350MHz

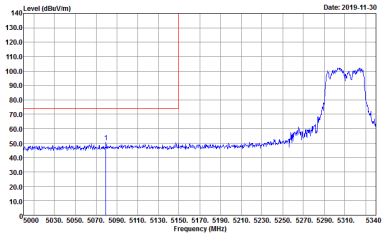
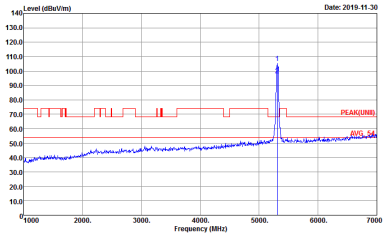
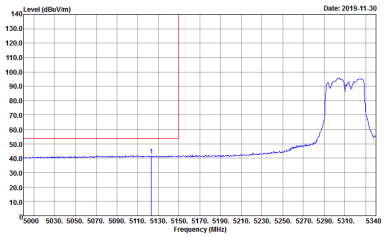
WIFI 802.11ac VHT40 (Band Edge @ 3m)

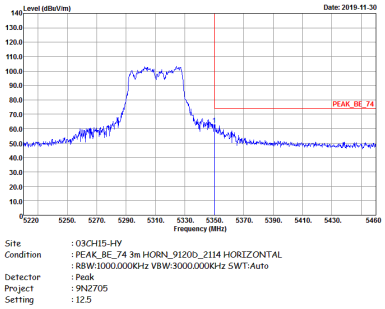
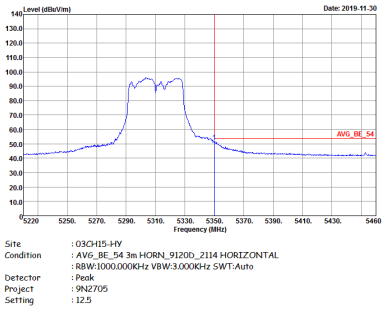
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

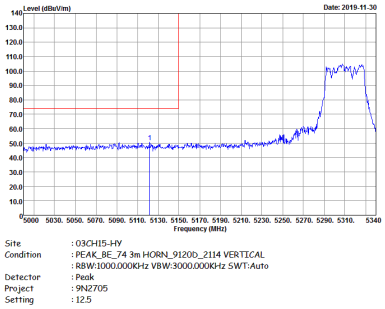
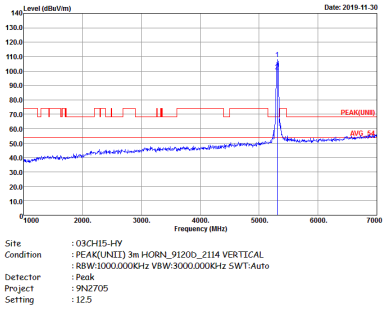
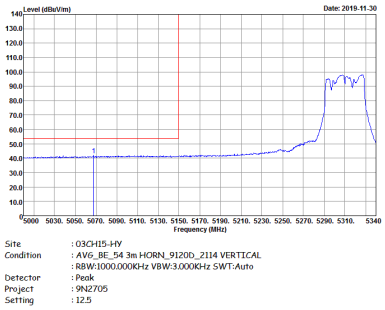
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

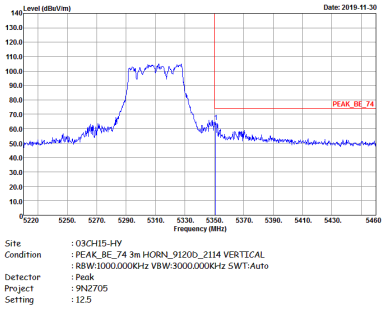
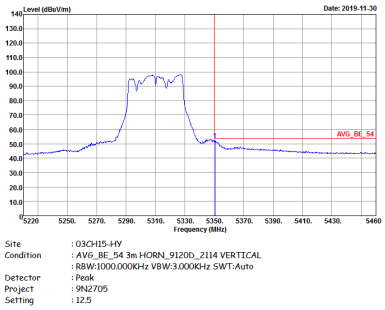
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705 Setting : 12.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705 Setting : 12.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9N2705 Setting : 12.5	Left blank

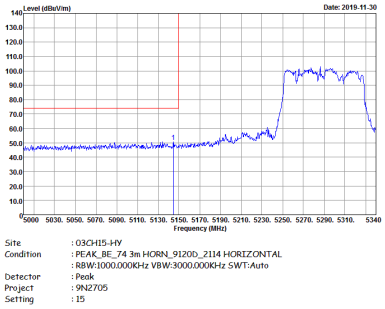
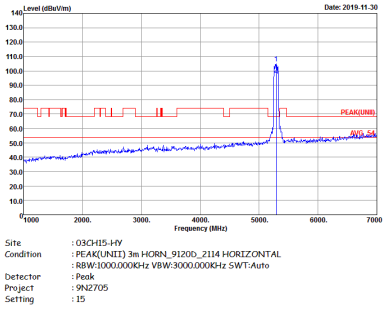
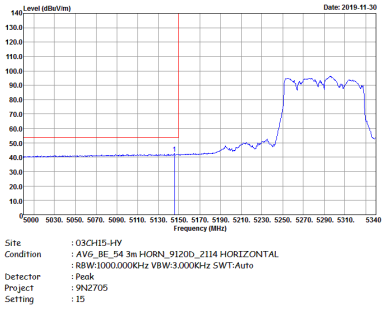
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

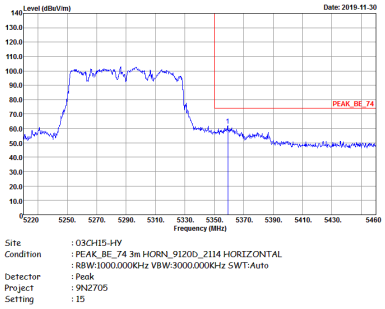
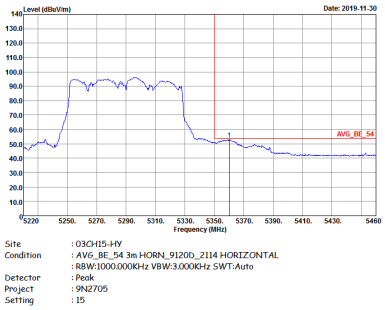
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

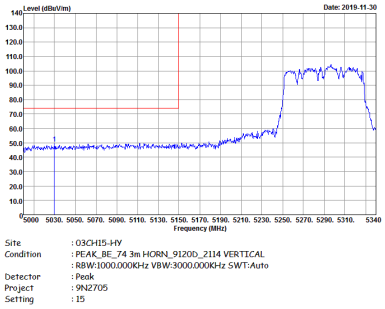
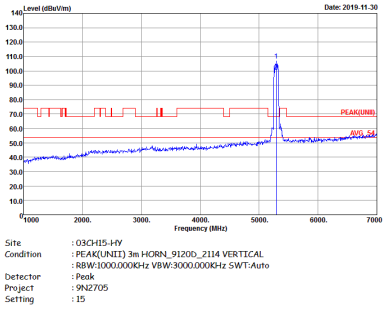
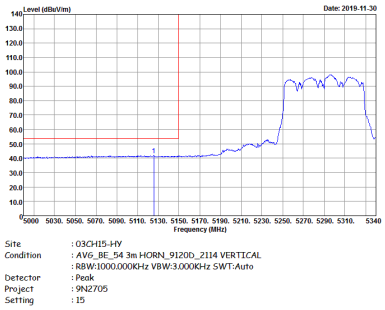
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

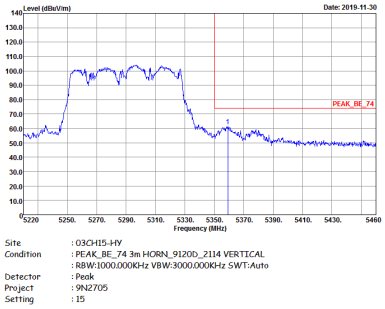
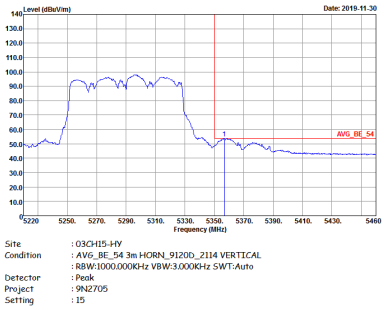
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

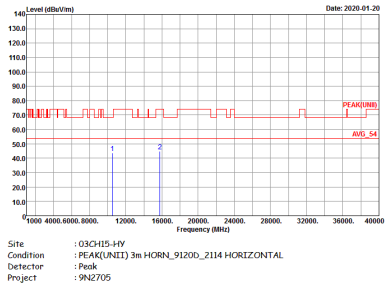
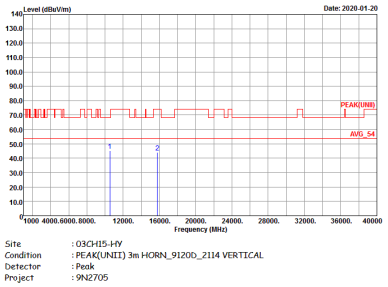
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

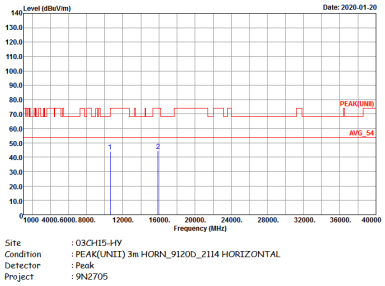
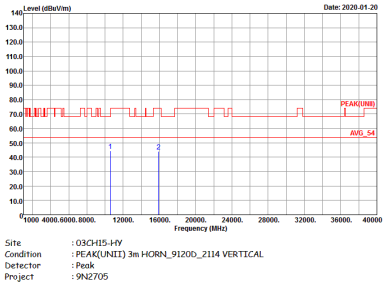
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

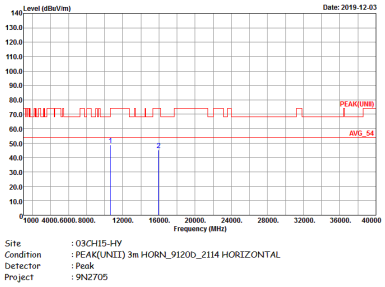
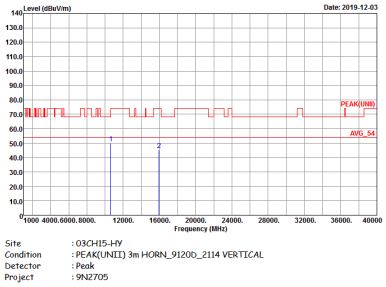
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

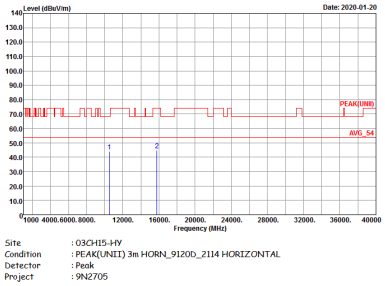
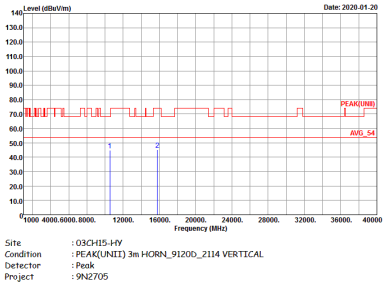
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

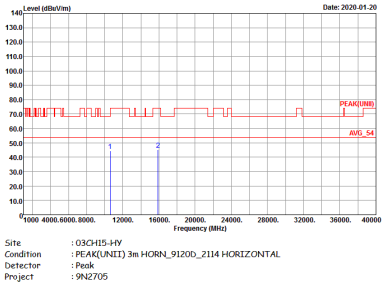
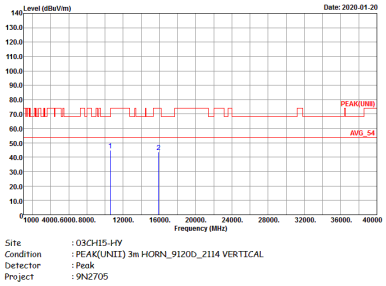
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

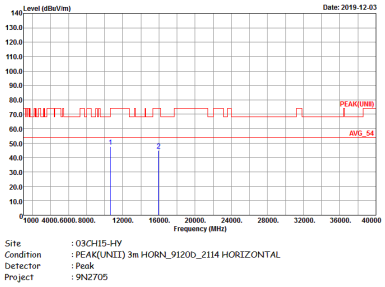
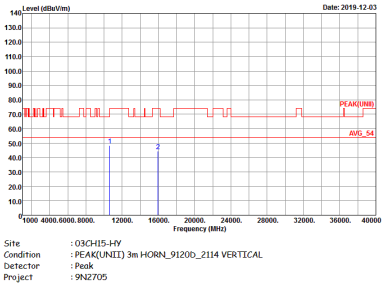
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

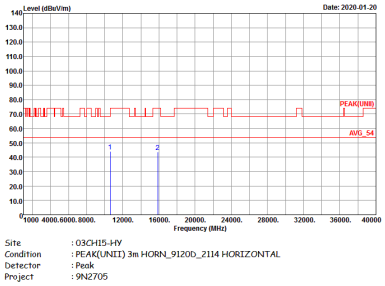
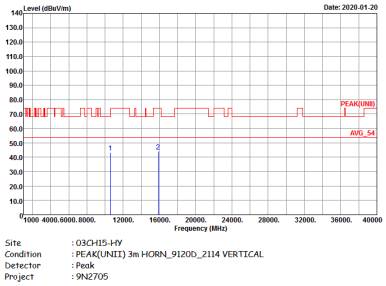
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

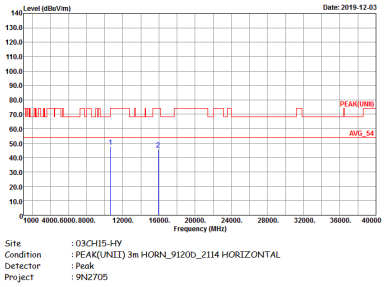
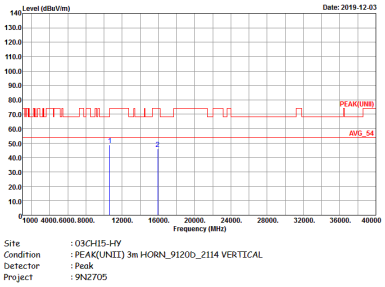
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

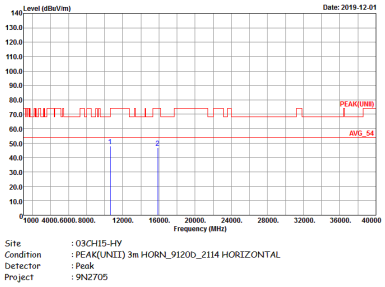
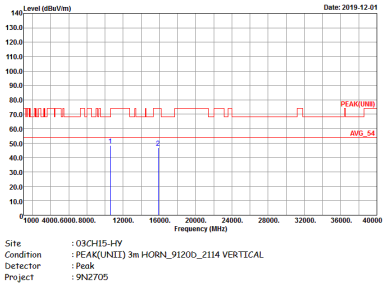
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.		

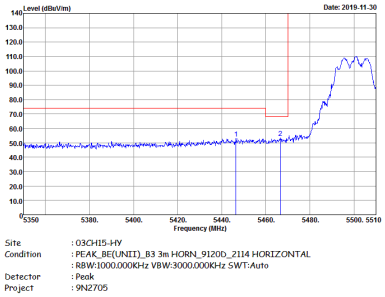
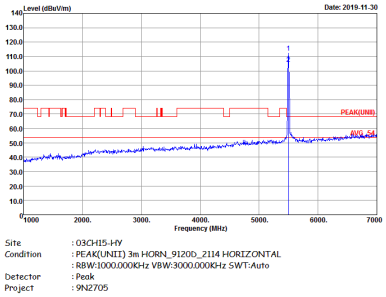
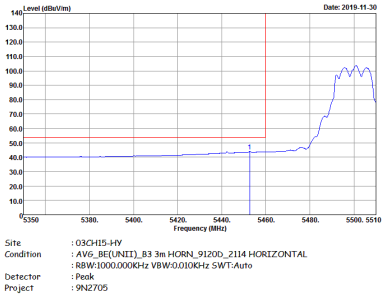
Band 2 5250~5350MHz

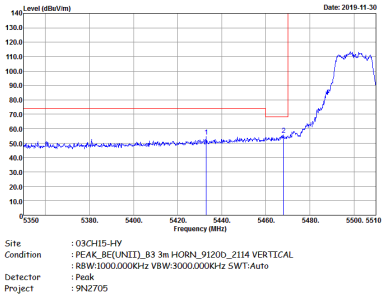
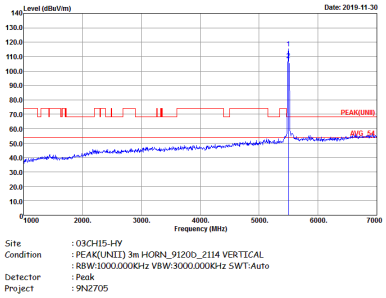
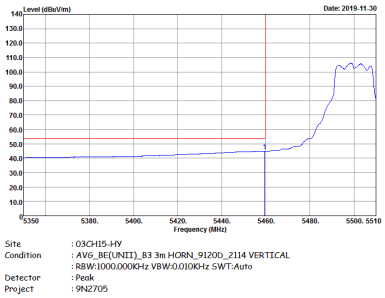
WIFI 802.11ac VHT80 (Harmonic @ 3m)

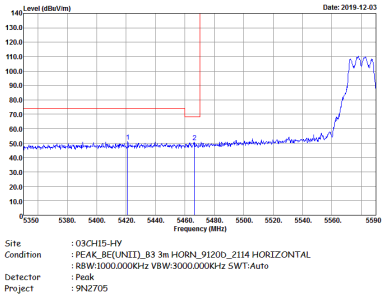
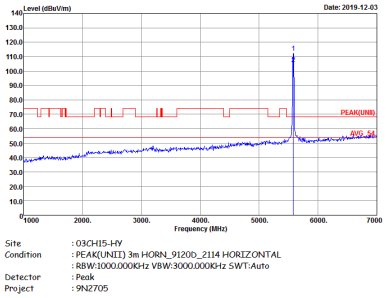
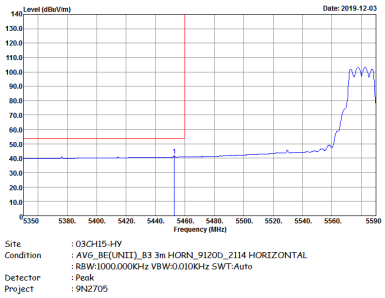
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.		

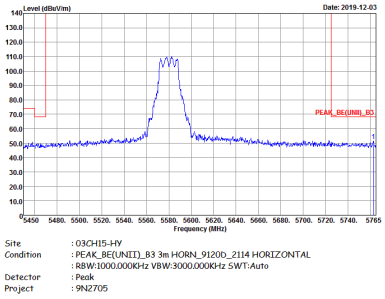
Band 3 - 5470~5725MHz

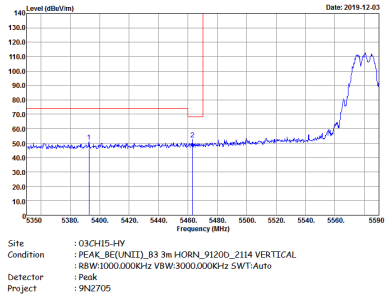
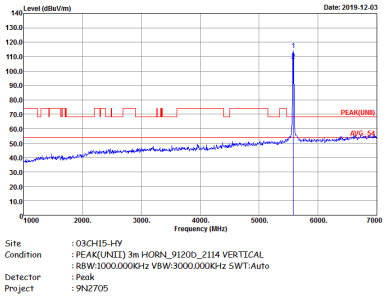
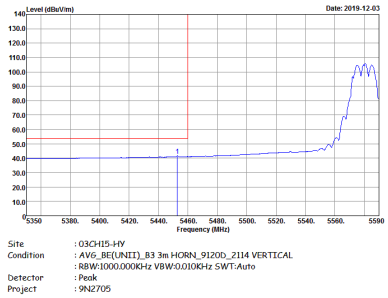
WIFI 802.11a (Band Edge @ 3m)

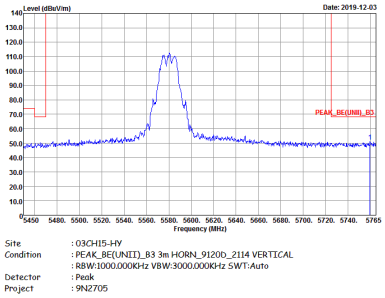
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

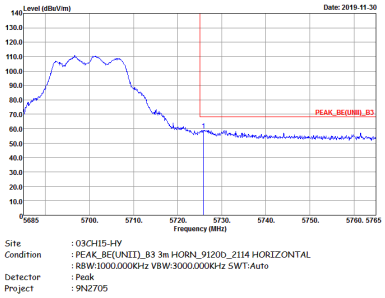
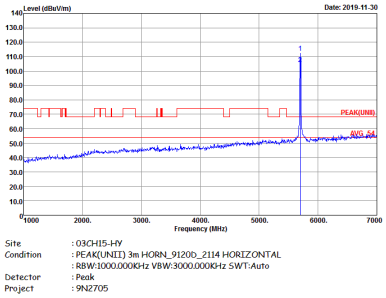
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

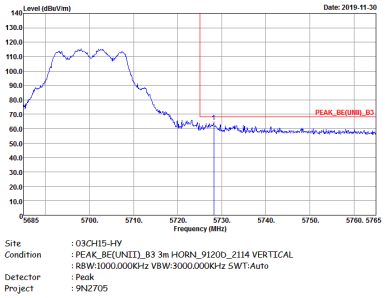
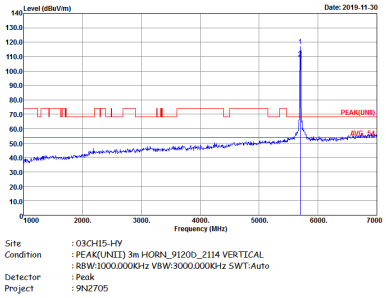
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

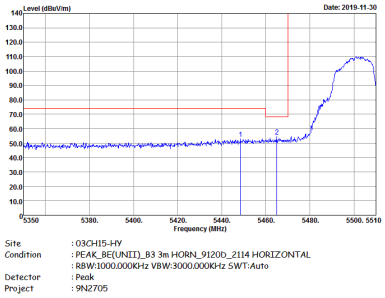
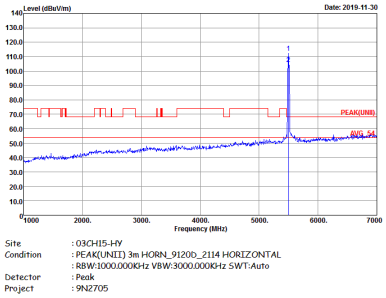
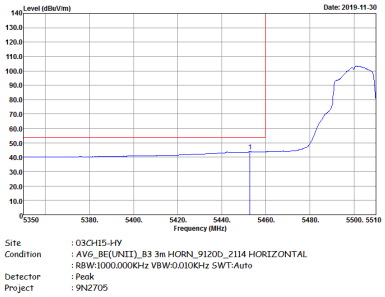
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank

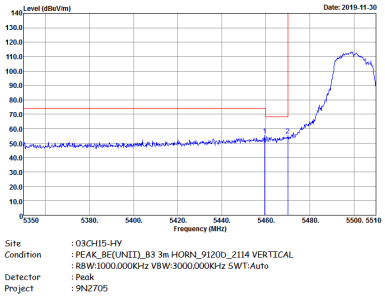
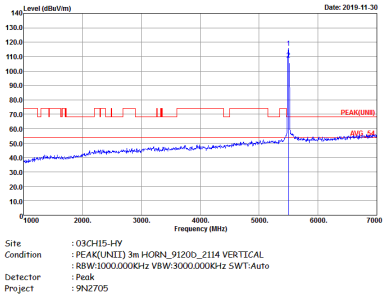
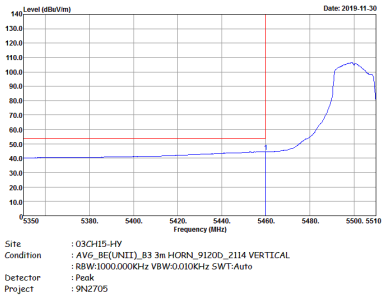
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

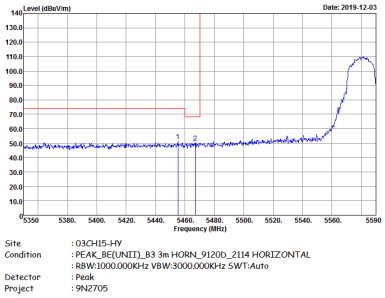
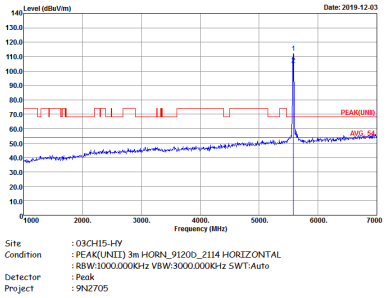
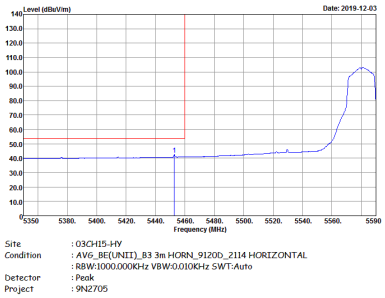
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		

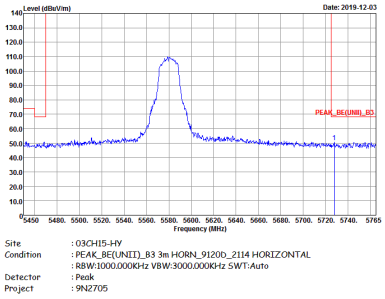
Band 3 5470~5725MHz

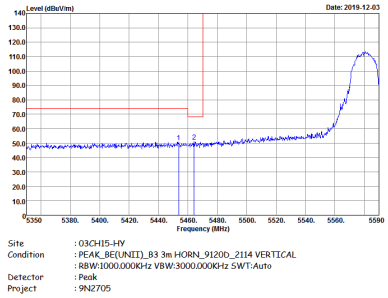
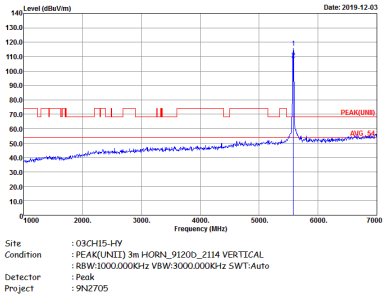
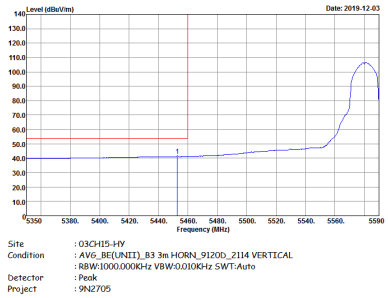
WIFI 802.11ac VHT20 (Band Edge @ 3m)

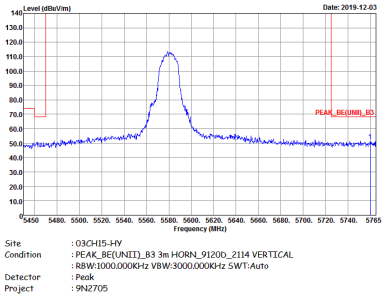
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

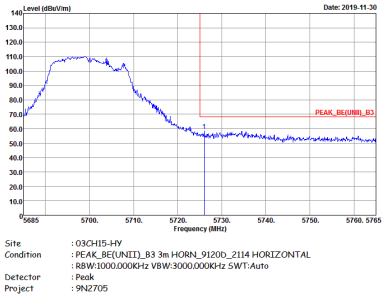
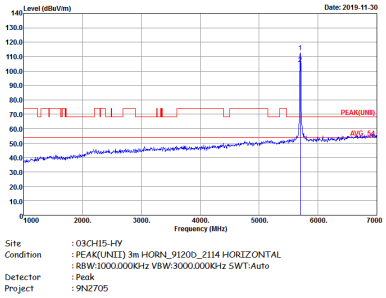
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

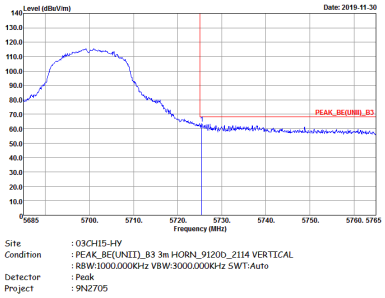
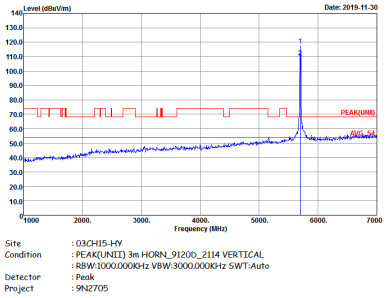
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

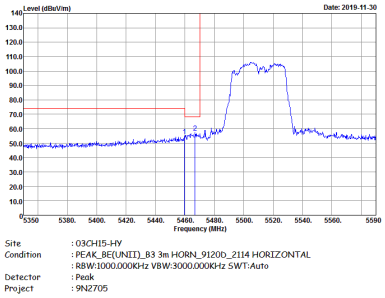
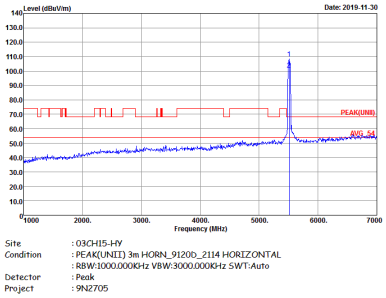
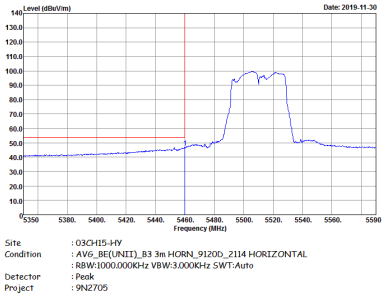
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

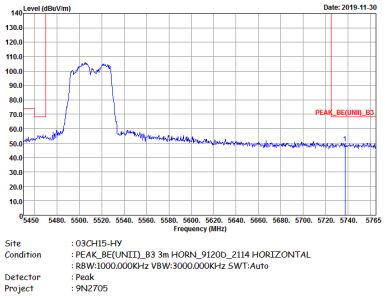
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

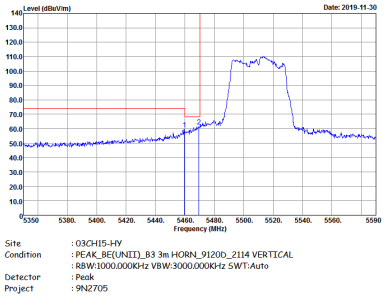
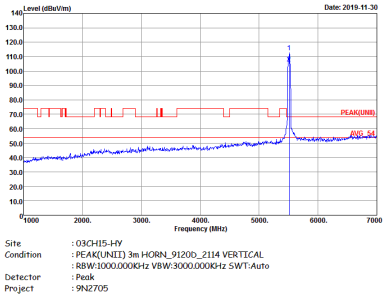
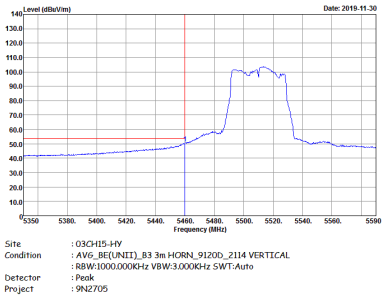
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		

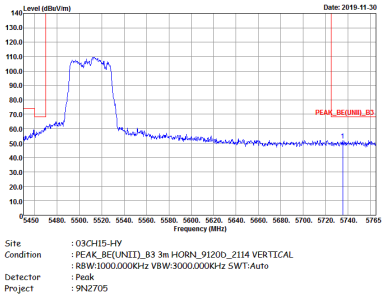
Band 3 5470~5725MHz

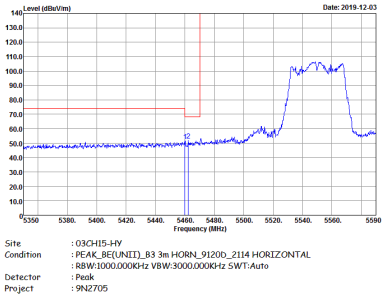
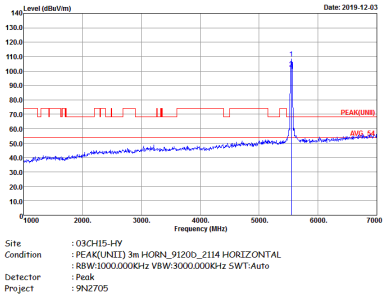
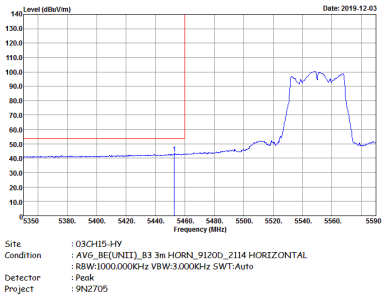
WIFI 802.11ac VHT40 (Band Edge @ 3m)

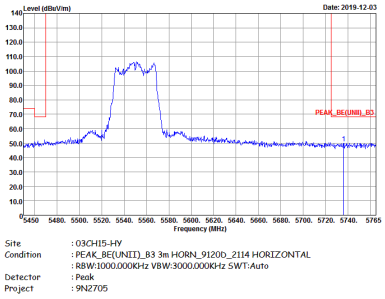
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

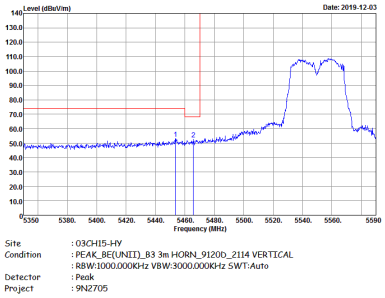
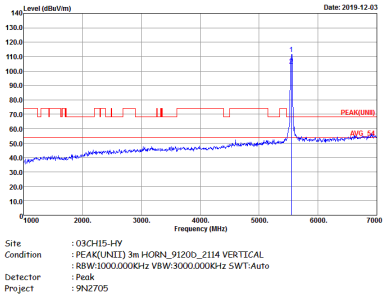
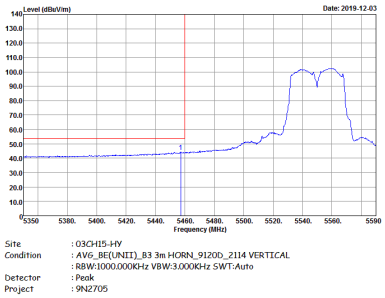
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

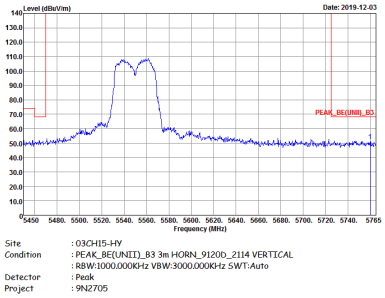
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

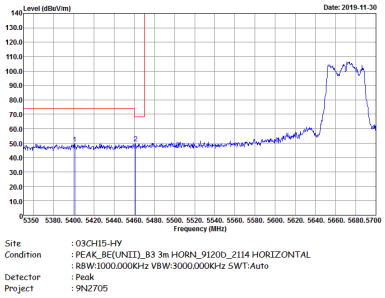
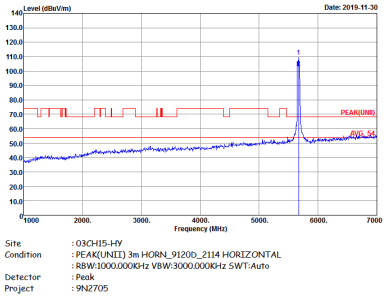
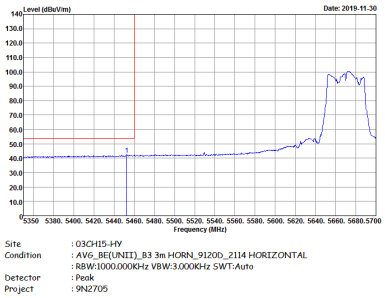
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

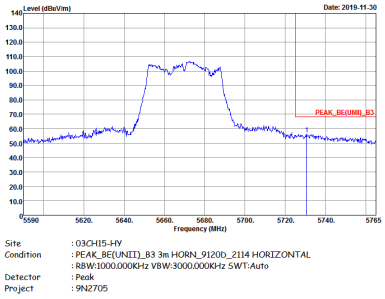
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

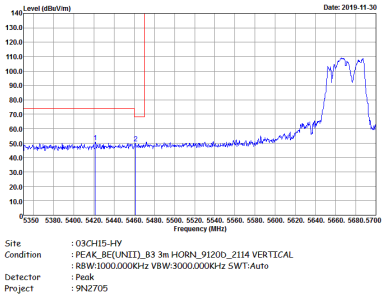
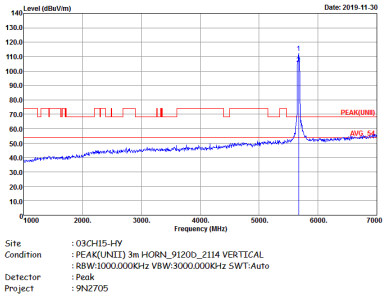
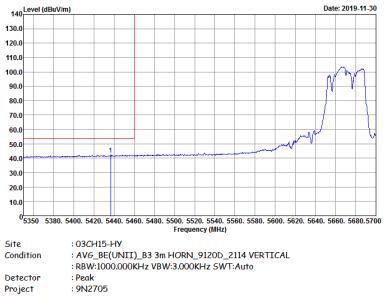
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

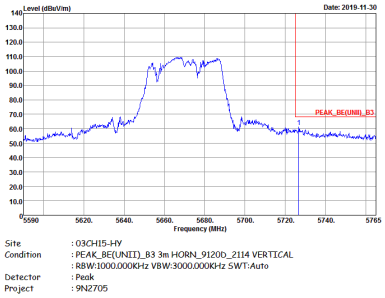
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

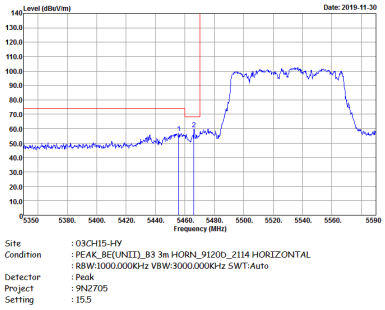
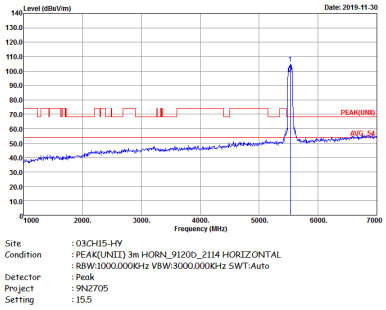
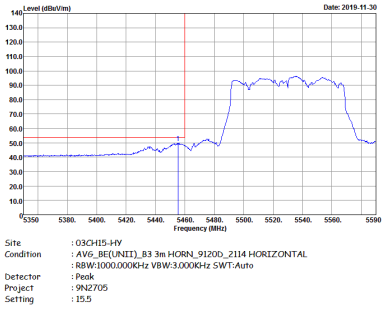
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

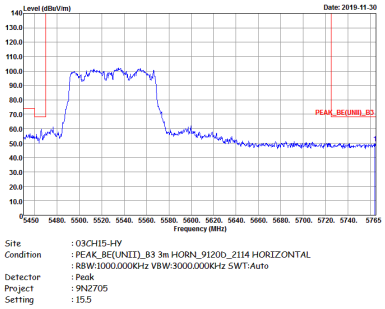
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

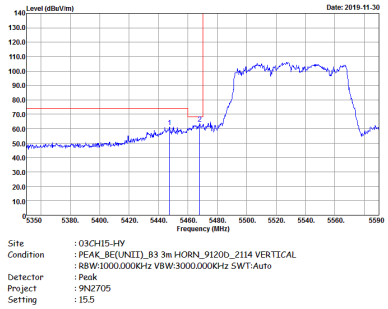
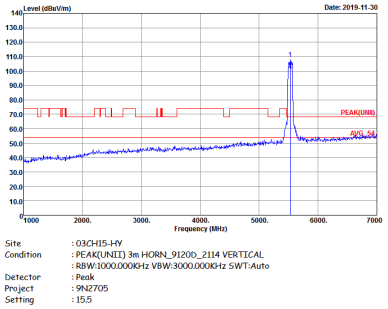
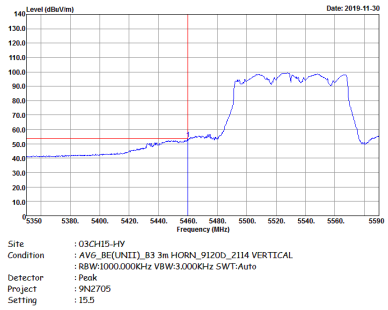
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank