

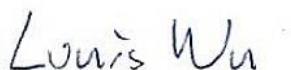


NCC RADIO TEST REPORT

Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2173-2
Applicant : Motorola Mobility LLC
222 W, Merchandise Mart Plaza, Chicago, IL60654 USA
Manufacturer : Motorola Mobility LLC
222 W, Merchandise Mart Plaza, Chicago, IL60654 USA
Standard : NCC LP0002 (2020-07-01)

The product was received on Aug. 02, 2021 and testing was started from Aug. 10, 2021 and completed on Aug. 27, 2021. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures NCC LP0002 (2020-07-01) and has been in compliance with the applicable technical standards.

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



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan



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History of this test report

Report No.	Version	Description	Issued Date
TR170932-01D	01	Initial issue of report	Sep. 27, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	LP0002 5.7.3	26dB Bandwidth	Pass	-
3.1	LP0002 5.7.3	99% Occupied Bandwidth	Reporting only	-
3.2	LP0002 5.7.3	Maximum Conducted Output Power	Pass	-
3.3	LP0002 5.7.3	Power Spectral Density	Pass	-
3.4	LP0002 5.7.4	Unwanted Emissions	Pass	Under limit 3.19 dB at 5150.000 MHz
3.5	LP0002 3.3	AC Conducted Emission	Pass	Under limit 17.41 dB at 18.850 MHz
3.6	LP0002 3.2 5.7.8	Antenna Requirement	Pass	-
Annex A	LP0002 3.9	Receiver Radiated Emission	Pass	Please refer to Annex A
Annex B	LP0002 3.2 6.20.2	Maximum Power Density	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: Keven Cheng

Report Producer: Cindy Liu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2173-2
Sample 1	1st source (refer to the PED)
Sample 2	2nd source (refer to the PED)
Sample 3	3rd source (refer to the PED)
Sample 4	4th source (refer to the PED)
IMEI Code	Conducted : IMEI 1: 354943970039171 IMEI 2: 354943970039189
	Conduction : IMEI 1: 354943970023498 IMEI 2: 354943970023506
	Radiation : IMEI 1: 354943970025477 IMEI 2: 354943970025485
	Receiver Radiated IMEI 1: 354943970023514
	Emission : IMEI 2: 354943970023522
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/FM/ Galileo/Glonass/GPS WLAN 11b/g/n HT20 WLAN 11an HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DVT2
EUT Stage	Identical Prototype

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

Accessory List	
AC Adapter 1	Brand Name : Motorola
	Model Name : MC-101
	Manufacturer : Salcomp
AC Adapter 2	Brand Name : Motorola
	Model Name : MC-101
	Manufacturer : Aohai
Battery 1	Brand Name : Motorola
	Model Name : JK50
	Manufacturer : Sunwoda
Battery 2	Brand Name : Motorola
	Model Name : JK50
	Manufacturer : ATL
Battery 3	Brand Name : Motorola
	Model Name : JK50
	Manufacturer : SCUD
Earphone	Brand Name : Motorola
	Model Name : MH202
USB Cable 1	Brand Name : Motorola
	Model Name : 5269AA000185
USB Cable 2	Brand Name : Motorola
	Model Name : 5269AA000189

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz
Maximum Output Power to Antenna	<5150 MHz ~ 5250 MHz> 802.11a: 17.40 dBm / 0.0550 W 802.11n HT20: 17.10 dBm / 0.0513 W 802.11n HT40: 17.50 dBm / 0.0562 W 802.11ac VHT20: 17.00 dBm / 0.0501 W 802.11ac VHT40: 17.40 dBm / 0.0550 W 802.11ac VHT80: 13.20 dBm / 0.0209 W <5250 MHz ~ 5350 MHz> 802.11a: 17.30 dBm / 0.0537 W 802.11n HT20: 17.10 dBm / 0.0513 W 802.11n HT40: 17.40 dBm / 0.0550 W 802.11ac VHT20: 17.00 dBm / 0.0501 W 802.11ac VHT40: 17.30 dBm / 0.0537 W 802.11ac VHT80: 12.30 dBm / 0.0170 W <5470 MHz ~ 5725 MHz> 802.11a: 17.30 dBm / 0.0537 W 802.11n HT20: 17.40 dBm / 0.0550 W 802.11n HT40: 17.50 dBm / 0.0562 W 802.11ac VHT20: 17.30 dBm / 0.0537 W 802.11ac VHT40: 17.40 dBm / 0.0550 W 802.11ac VHT80: 17.30 dBm / 0.0537 W
99% Occupied Bandwidth	802.11a: 17.98 MHz 802.11n HT20: 17.88 MHz 802.11n HT40: 36.76 MHz 802.11ac VHT80: 75.29 MHz
Type of Modulation	802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)

Antenna Information				
Antenna 2	Brand Name	HT	Peak gain	WLAN 5GHz (Band 1): -5.6dBi WLAN 5GHz (Band 2): -4.7dBi WLAN 5GHz (Band 3): -5.1dBi
	Model Name	SH1371DIV	Type	PIFA Antenna

Remark:

1. The detail internal, external and transmit antenna photo please refer to Sporton report no.: EP170932-01.
2. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	TH05-HY, 03CH13-HY, 03CH20-HY, CO07-HY

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

FCC designation No.: TW3786

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ NCC LP0002 (2020-07-01)
- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

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). The measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Y plane as worst plane.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone + Battery 1 + USB Cable 1 (Charging from Adapter 1) for Sample 1
Remark: 1. For Radiated Test Cases, the tests were performed with Adapter 1, Battery 1, USB Cable 1 and Sample 1. 2. For radiation spurious emission, after the test voltage (120Vac/60Hz and 110Vac/60Hz) is verified by lab, the test data can conform to the test requirements of NCC rule.	

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

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

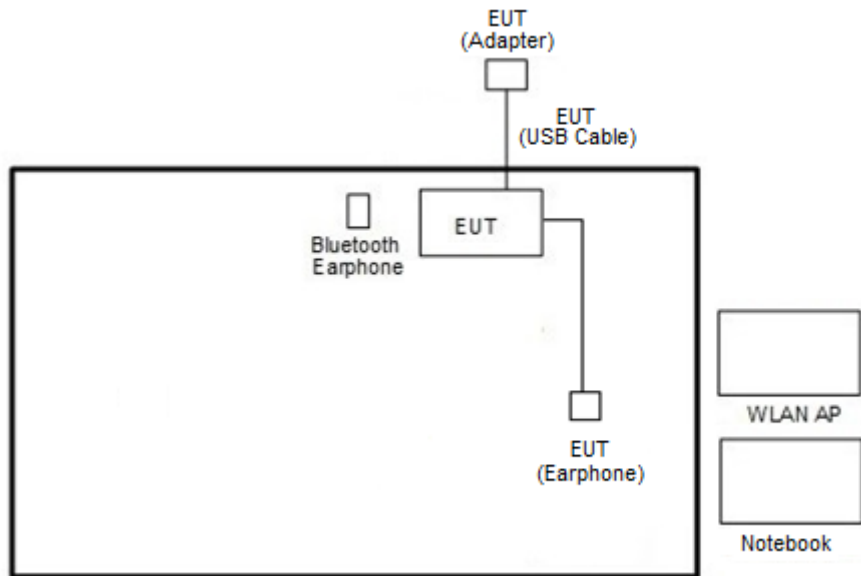
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT40	802.11ac VHT40
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

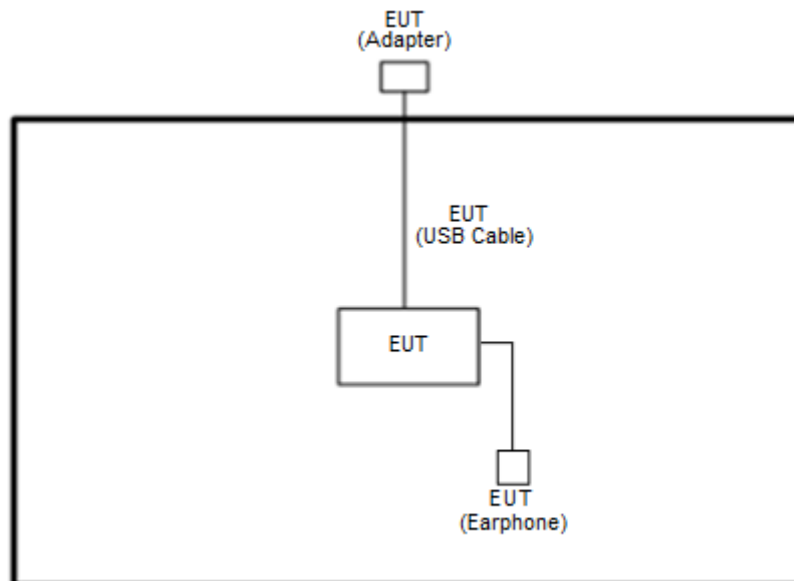
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

Remark: Applicant has ensured support unit would not be attached with the product on the market, support unit is provided by lab for testing.

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: coful_g_userdebug_11_RRWB31.Q3-38_0bea6_intcfg_test-keys) get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

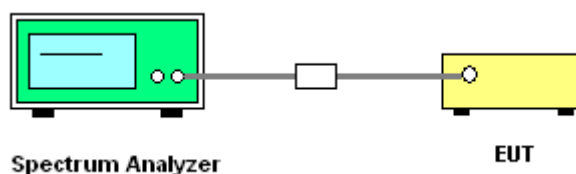
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

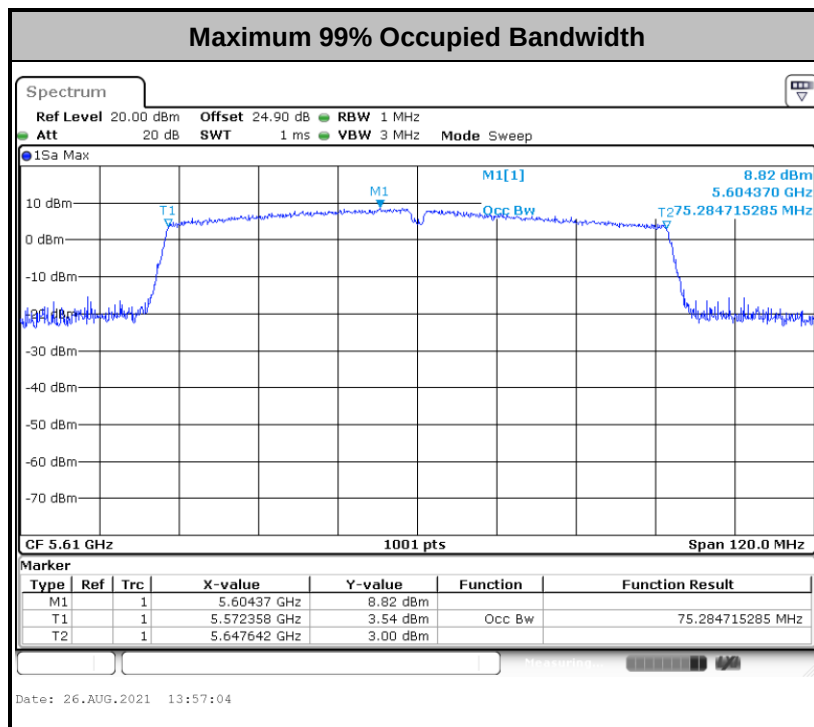
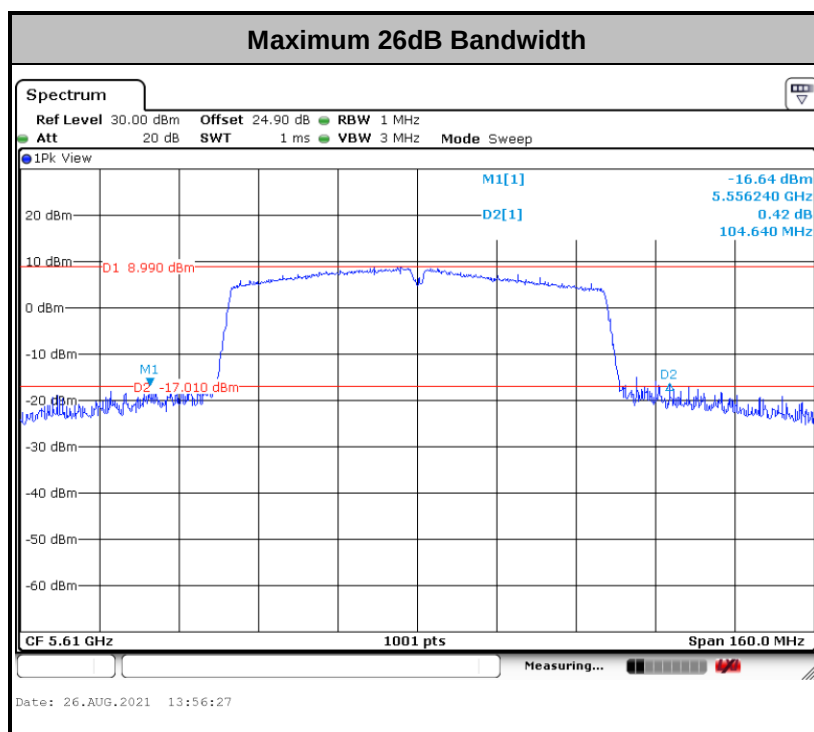
3.1.4 Test Setup





3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<LP0002 5.7.3>

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.

For the 5.25–5.725 GHz bands, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

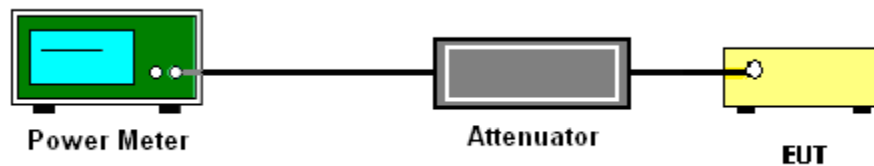
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<LP0002 5.7.3>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

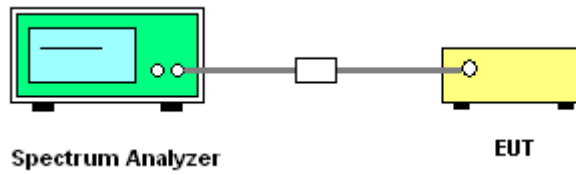
Section F) Maximum power spectral density.

Method SA-3

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

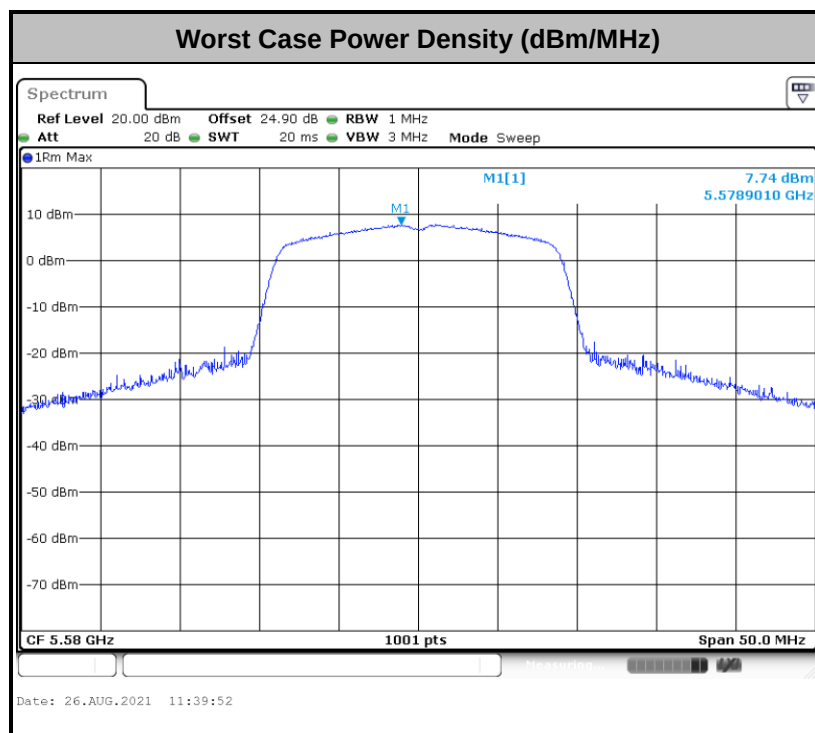
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Unwanted Emissions Measurement

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5725 MHz band: all emissions outside of the 5150-5725 MHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

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

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

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

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

- (3) ANSI C63.10-2013 clause 12.7.3 note 97
As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

3.4.2 Measuring Instruments

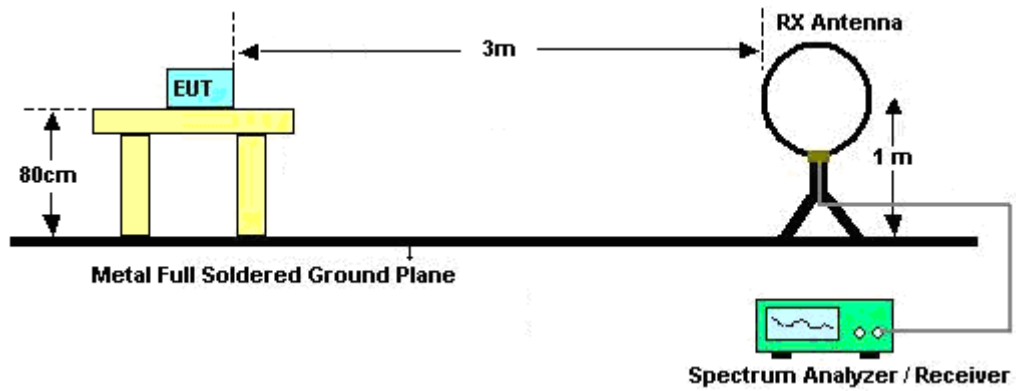
See list of measuring equipment of this test report.

3.4.3 Test Procedures

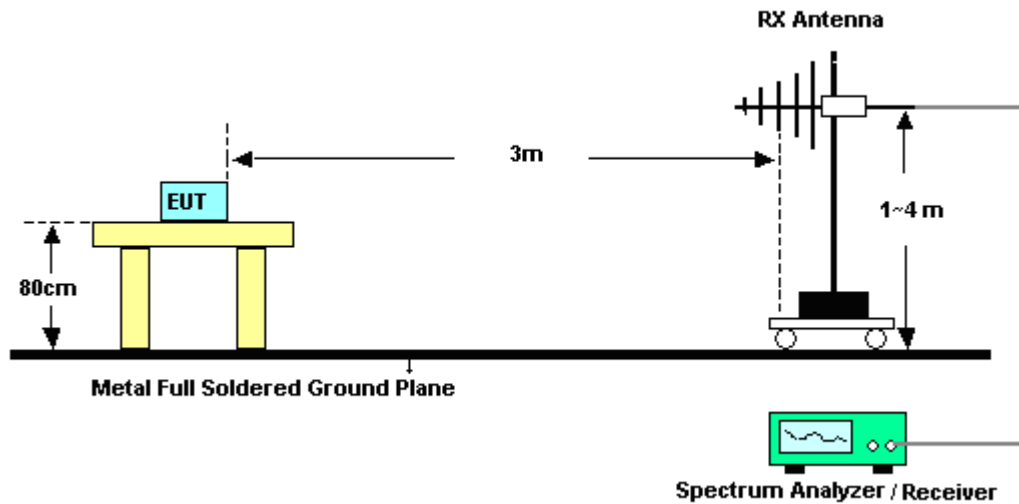
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

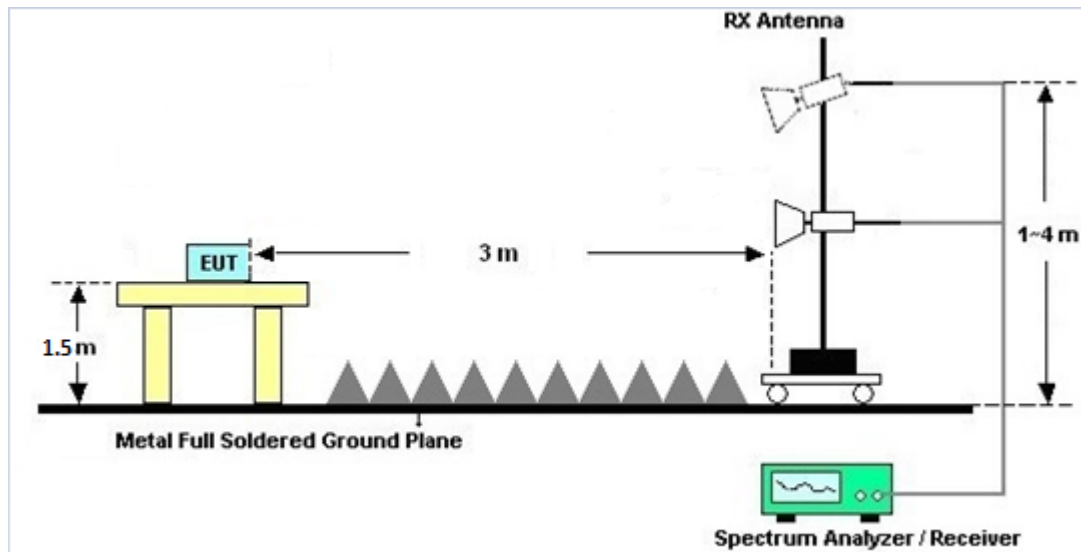
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated test above 1GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per NCC LP0002 section 6.13 was not reported.

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

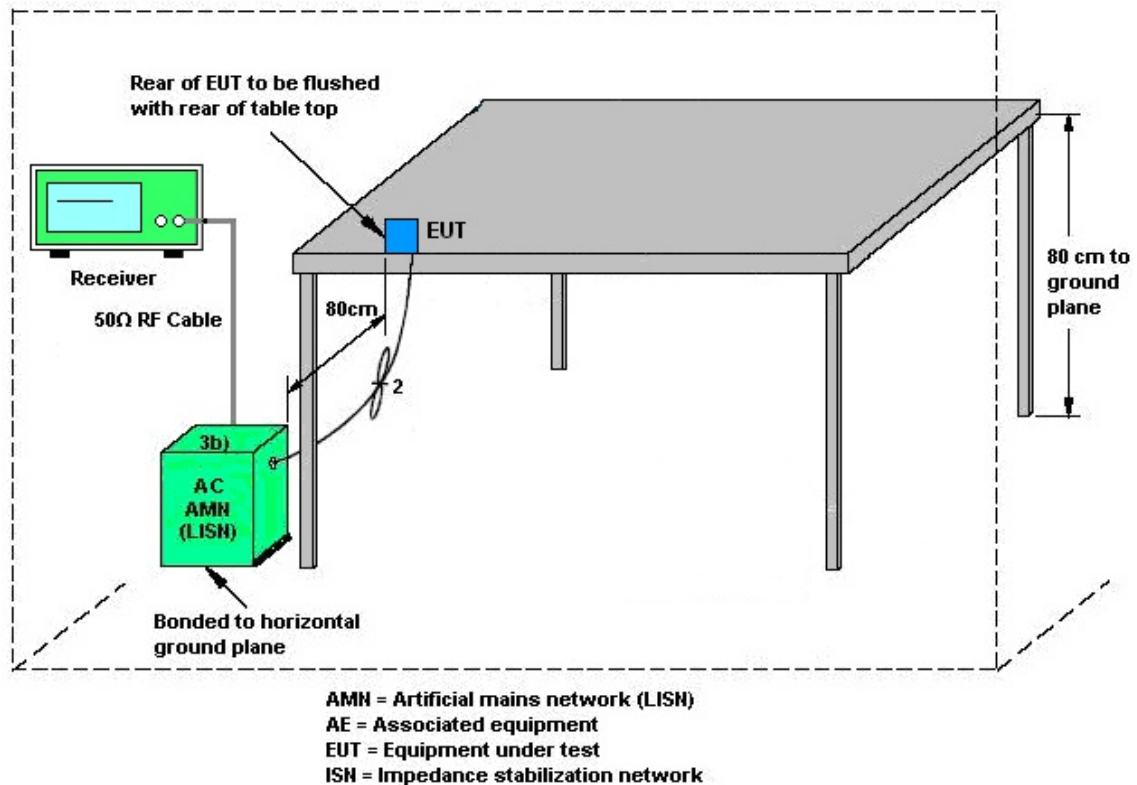
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 01, 2021	Aug. 10, 2021~ Aug. 27, 2021	Feb. 28, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12	10MHz~6GHz	Dec. 16, 2020	Aug. 10, 2021~ Aug. 27, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Nov. 13, 2020	Aug. 10, 2021~ Aug. 27, 2021	Nov. 12, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Aug. 10, 2021~ Aug. 27, 2021	Mar. 16, 2022	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Aug. 17, 2021~ Aug. 21, 2021	Jan. 03, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jul. 13, 2021	Aug. 17, 2021~ Aug. 21, 2021	Jul. 12, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz ~ 18GHz	Jun. 23, 2021	Aug. 17, 2021~ Aug. 21, 2021	Jun. 22, 2022	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917058 4	18GHz- 40GHz	Dec. 11, 2020	Aug. 17, 2021~ Aug. 21, 2021	Dec. 10, 2021	Radiation (03CH13-HY)
Amplifier	Sonoma-Instru ment	310 N	187282	9KHz~1GHz	Dec. 16, 2020	Aug. 17, 2021~ Aug. 21, 2021	Dec. 15, 2021	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 18, 2021	Aug. 17, 2021~ Aug. 21, 2021	May 17, 2022	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 28, 2020	Aug. 17, 2021~ Aug. 21, 2021	Oct. 27, 2021	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 11, 2020	Aug. 17, 2021~ Aug. 21, 2021	Dec. 10, 2021	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2021	Aug. 17, 2021~ Aug. 21, 2021	Mar. 17, 2022	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1m~4m	N/A	Aug. 17, 2021~ Aug. 21, 2021	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 17, 2021~ Aug. 21, 2021	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Aug. 17, 2021~ Aug. 21, 2021	N/A	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 10, 2021	Aug. 17, 2021~ Aug. 21, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 10, 2021	Aug. 17, 2021~ Aug. 21, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 22, 2021	Aug. 17, 2021~ Aug. 21, 2021	Feb. 21, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz~40GHz	Mar. 11, 2021	Aug. 17, 2021~ Aug. 21, 2021	Mar. 10, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 10, 2021	Aug. 17, 2021~ Aug. 21, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Aug. 17, 2021~ Aug. 21, 2021	Mar. 10, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN12	1.53GHz Low Pass Filter	Sep. 15, 2020	Aug. 17, 2021~ Aug. 21, 2021	Sep. 14, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000 -40ST	SN5	6.75GHz High Pass Filter	Mar. 11, 2021	Aug. 17, 2021~ Aug. 21, 2021	Mar. 10, 2022	Radiation (03CH13-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 23, 2020	Aug. 13, 2021~ Aug. 25, 2021	Oct. 22, 2021	Radiation (03CH20-HY)
EMI Test Receiver	Keysight	N9038A	MY59053012	N/A	Nov. 18, 2020	Aug. 13, 2021~ Aug. 25, 2021	Nov. 17, 2021	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Aug. 13, 2021~ Aug. 25, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 22, 2020	Aug. 13, 2021~ Aug. 25, 2021	Oct. 21, 2021	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	002360	1GHz-18GHz	Nov. 03, 2020	Aug. 13, 2021~ Aug. 25, 2021	Nov. 02, 2021	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 19, 2020	Aug. 13, 2021~ Aug. 25, 2021	Nov. 18, 2021	Radiation (03CH20-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN27	1.53GHz Low Pass Filter	May 25, 2021	Aug. 13, 2021~ Aug. 25, 2021	May 24, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX8-6090- 7000-18000-40 SS	SN99	N/A	Nov. 05, 2020	Aug. 13, 2021~ Aug. 25, 2021	Nov. 04, 2021	Radiation (03CH20-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 OST	SN8	N/A	Mar. 26, 2021	Aug. 13, 2021~ Aug. 25, 2021	Mar. 25, 2022	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 04, 2021	Aug. 13, 2021~ Aug. 25, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 16, 2020	Aug. 13, 2021~ Aug. 25, 2021	Nov. 15, 2021	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Aug. 13, 2021~ Aug. 25, 2021	Dec. 10, 2021	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 20, 2021	Aug. 13, 2021~ Aug. 25, 2021	Jan. 19, 2022	Radiation (03CH20-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 13, 2021~ Aug. 25, 2021	N/A	Radiation (03CH20-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 13, 2021~ Aug. 25, 2021	N/A	Radiation (03CH20-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 13, 2021~ Aug. 25, 2021	N/A	Radiation (03CH20-HY)
Hygrometer	TECEPEL	DTM-303B	TP200728	N/A	Mar. 09, 2021	Aug. 13, 2021~ Aug. 25, 2021	Mar. 08, 2022	Radiation (03CH20-HY)
Software	Audix	E3 6.2009-8-24	RK-002156	N/A	N/A	Aug. 13, 2021~ Aug. 25, 2021	N/A	Radiation (03CH20-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Aug. 12, 2021	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 12, 2021	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 02, 2020	Aug. 12, 2021	Nov. 01, 2021	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	N/A	Aug. 12, 2021	N/A	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 01, 2021	Aug. 12, 2021	Jan. 31, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Aug. 12, 2021	Sep. 10, 2021	Conduction (CO07-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.2 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz) for 03CH13-HY

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz) for 03CH13-HY

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.8 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz) for 03CH13-HY

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.9 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz) for 03CH20-HY

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.9 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz) for 03CH20-HY

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz) for 03CH20-HY

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu	Temperature:	24.4~24.8	°C
Test Date:	2021/8/10-2021/8/27	Relative Humidity:	49.5~51.5	%

Maximum Power Density				
Max. Power	Gain	EIRP	20 cm PSD	PSD Limit
17.50	-4.70	12.80	0.0038	1.00
dBm	dBi	dBm	mW/cm ²	mW/cm ²

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	17.98	-	31.10	-	-	-	22.55	-	
11a	6Mbps	1	44	5220	16.93	-	23.75	-	-	-	22.29	-	
11a	6Mbps	1	48	5240	16.78	-	22.10	-	-	-	22.25	-	
HT20	MCS0	1	36	5180	17.73	-	20.45	-	-	-	22.49	-	
HT20	MCS0	1	44	5220	17.83	-	24.60	-	-	-	22.51	-	
HT20	MCS0	1	48	5240	17.78	-	20.55	-	-	-	22.50	-	
HT40	MCS0	1	38	5190	36.56	-	39.87	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	36.66	-	40.50	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	75.17	-	82.24	-	-	-	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	16.30	-		24.00	-	-5.60	-		Pass
11a	6Mbps	1	44	5220	17.30	-		24.00	-	-5.60	-		Pass
11a	6Mbps	1	48	5240	17.40	-		24.00	-	-5.60	-		Pass
HT20	MCS0	1	36	5180	16.00	-		24.00	-	-5.60	-		Pass
HT20	MCS0	1	44	5220	17.10	-		24.00	-	-5.60	-		Pass
HT20	MCS0	1	48	5240	17.10	-		24.00	-	-5.60	-		Pass
HT40	MCS0	1	38	5190	14.40	-		24.00	-	-5.60	-		Pass
HT40	MCS0	1	46	5230	17.50	-		24.00	-	-5.60	-		Pass
VHT20	MCS0	1	36	5180	15.90	-		24.00	-	-5.60	-		Pass
VHT20	MCS0	1	44	5220	17.00	-		24.00	-	-5.60	-		Pass
VHT20	MCS0	1	48	5240	17.00	-		24.00	-	-5.60	-		Pass
VHT40	MCS0	1	38	5190	14.30	-		24.00	-	-5.60	-		Pass
VHT40	MCS0	1	46	5230	17.40	-		24.00	-	-5.60	-		Pass
VHT80	MCS0	1	42	5210	13.20	-		24.00	-	-5.60	-		Pass

Power Setting	
Ant 1	Ant 2
16	-
17	-
17	-
16	-
17	-
17	-
14.5	-
17.5	-
16	-
17	-
17	-
14.5	-
17.5	-
13.5	-

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna												
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	1	36	5180	6.76	-		11.00	-	-5.60	-	Pass
11a	6Mbps	1	44	5220	7.55	-		11.00	-	-5.60	-	Pass
11a	6Mbps	1	48	5240	7.28	-		11.00	-	-5.60	-	Pass
HT20	MCS0	1	36	5180	5.95	-		11.00	-	-5.60	-	Pass
HT20	MCS0	1	44	5220	7.16	-		11.00	-	-5.60	-	Pass
HT20	MCS0	1	48	5240	7.02	-		11.00	-	-5.60	-	Pass
HT40	MCS0	1	38	5190	1.77	-		11.00	-	-5.60	-	Pass
HT40	MCS0	1	46	5230	4.61	-		11.00	-	-5.60	-	Pass
VHT80	MCS0	1	42	5210	-2.60	-		11.00	-	-5.60	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.88	-	22.25	-	23.27	-	29.27	-	23.98	-	
11a	6Mbps	1	60	5300	16.93	-	24.15	-	23.29	-	29.29	-	23.98	-	
11a	6Mbps	1	64	5320	16.78	-	20.20	-	23.25	-	29.25	-	23.98	-	
HT20	MCS0	1	52	5260	17.78	-	23.15	-	23.50	-	29.50	-	23.98	-	
HT20	MCS0	1	60	5300	17.78	-	22.35	-	23.50	-	29.50	-	23.98	-	
HT20	MCS0	1	64	5320	17.78	-	20.60	-	23.50	-	29.50	-	23.98	-	
HT40	MCS0	1	54	5270	36.76	-	40.05	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.46	-	39.87	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.05	-	81.12	-	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	17.30	-		23.98	-	-4.70	-	26.99	Pass
11a	6Mbps	1	60	5300	17.10	-		23.98	-	-4.70	-	26.99	Pass
11a	6Mbps	1	64	5320	16.80	-		23.98	-	-4.70	-	26.99	Pass
HT20	MCS0	1	52	5260	17.10	-		23.98	-	-4.70	-	26.99	Pass
HT20	MCS0	1	60	5300	17.00	-		23.98	-	-4.70	-	26.99	Pass
HT20	MCS0	1	64	5320	16.60	-		23.98	-	-4.70	-	26.99	Pass
HT40	MCS0	1	54	5270	17.40	-		23.98	-	-4.70	-	26.99	Pass
HT40	MCS0	1	62	5310	15.00	-		23.98	-	-4.70	-	26.99	Pass
VHT20	MCS0	1	52	5260	17.00	-		23.98	-	-4.70	-	26.99	Pass
VHT20	MCS0	1	60	5300	16.90	-		23.98	-	-4.70	-	26.99	Pass
VHT20	MCS0	1	64	5320	16.50	-		23.98	-	-4.70	-	26.99	Pass
VHT40	MCS0	1	54	5270	17.30	-		23.98	-	-4.70	-	26.99	Pass
VHT40	MCS0	1	62	5310	14.90	-		23.98	-	-4.70	-	26.99	Pass
VHT80	MCS0	1	58	5290	12.30	-		23.98	-	-4.70	-	26.99	Pass

Power Setting	
Ant 1	Ant 2
17	-
17	-
16.5	-
17	-
17	-
16.5	-
17.5	-
15	-
17	-
17	-
16.5	-
17.5	-
15	-
12.5	-

TEST RESULTS DATA
Power Spectral Density

Band II single antenna												
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	1	52	5260	7.65	-		11.00	-	-4.70	-	Pass
11a	6Mbps	1	60	5300	7.10	-		11.00	-	-4.70	-	Pass
11a	6Mbps	1	64	5320	7.17	-		11.00	-	-4.70	-	Pass
HT20	MCS0	1	52	5260	7.19	-		11.00	-	-4.70	-	Pass
HT20	MCS0	1	60	5300	6.89	-		11.00	-	-4.70	-	Pass
HT20	MCS0	1	64	5320	6.94	-		11.00	-	-4.70	-	Pass
HT40	MCS0	1	54	5270	4.86	-		11.00	-	-4.70	-	Pass
HT40	MCS0	1	62	5310	2.43	-		11.00	-	-4.70	-	Pass
VHT80	MCS0	1	58	5290	-3.37	-		11.00	-	-4.70	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.68	-	20.40	-	23.22	-	29.22	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.83	-	23.55	-	23.26	-	29.26	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.73	-	20.25	-	23.24	-	29.24	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.78	-	20.75	-	23.50	-	29.50	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.88	-	23.35	-	23.52	-	29.52	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.73	-	20.45	-	23.49	-	29.49	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.16	-	40.32	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.56	-	40.50	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.56	-	39.87	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.05	-	80.96	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.29	-	104.64	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	144	5720	13.39	-	15.05	-	22.27	-	28.27	-	22.78	-	3.20	-
HT20	MCS0	1	144	5720	13.89	-	17.65	-	22.43	-	28.43	-	23.47	-	3.80	-
HT40	MCS0	1	142	5710	33.38	-	36.33	-	23.98	-	30.00	-	23.98	-	3.18	-
VHT80	MCS0	1	138	5690	72.76	-	97.56	-	23.98	-	30.00	-	23.98	-	3.242	-

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	15.20	-		23.98	-	-5.10	-	26.99	Pass
11a	6Mbps	1	116	5580	17.20	-		23.98	-	-5.10	-	26.99	Pass
11a	6Mbps	1	140	5700	14.70	-		23.98	-	-5.10	-	26.99	Pass
HT20	MCS0	1	100	5500	16.10	-		23.98	-	-5.10	-	26.99	Pass
HT20	MCS0	1	116	5580	17.40	-		23.98	-	-5.10	-	26.99	Pass
HT20	MCS0	1	140	5700	14.00	-		23.98	-	-5.10	-	26.99	Pass
HT40	MCS0	1	102	5510	14.10	-		23.98	-	-5.10	-	26.99	Pass
HT40	MCS0	1	110	5550	17.20	-		23.98	-	-5.10	-	26.99	Pass
HT40	MCS0	1	134	5670	16.90	-		23.98	-	-5.10	-	26.99	Pass
VHT20	MCS0	1	100	5500	16.00	-		23.98	-	-5.10	-	26.99	Pass
VHT20	MCS0	1	116	5580	17.30	-		23.98	-	-5.10	-	26.99	Pass
VHT20	MCS0	1	140	5700	17.00	-		23.98	-	-5.10	-	26.99	Pass
VHT40	MCS0	1	102	5510	14.00	-		23.98	-	-5.10	-	26.99	Pass
VHT40	MCS0	1	110	5550	17.10	-		23.98	-	-5.10	-	26.99	Pass
VHT40	MCS0	1	134	5670	16.80	-		23.98	-	-5.10	-	26.99	Pass
VHT80	MCS0	1	106	5530	13.60	-		23.98	-	-5.10	-	26.99	Pass
VHT80	MCS0	1	122	5610	17.30	-		23.98	-	-5.10	-	26.99	Pass

Power Setting	
Ant 1	Ant 2
15	-
17	-
15.5	-
16	-
17.5	-
15	-
14	-
17.5	-
17.5	-
16	-
17.5	-
15	-
14	-
17.5	-
17.5	-
14	-
17.5	-

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	17.30	-		22.78	-	-5.10	-	26.99	Pass
HT20	MCS0	1	144	5720	17.20	-		23.47	-	-5.10	-	26.99	Pass
HT40	MCS0	1	142	5710	17.50	-		23.98	-	-5.10	-	26.99	Pass
VHT20	MCS0	1	144	5720	17.10	-		23.98	-	-5.10	-	26.99	Pass
VHT40	MCS0	1	142	5710	17.40	-		23.98	-	-5.10	-	26.99	Pass
VHT80	MCS0	1	138	5690	17.30	-		23.98	-	-5.10	-	26.99	Pass

Power Setting	
Ant 1	Ant 2
18	-
18	-
18.5	-
18	-
18.5	-
18.5	-

TEST RESULTS DATA
Power Spectral Density

Band III single antenna													
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	1	100	5500	5.40	-		11.00	-	-5.10	-		Pass
11a	6Mbps	1	116	5580	7.47	-		11.00	-	-5.10	-		Pass
11a	6Mbps	1	140	5700	4.95	-		11.00	-	-5.10	-		Pass
HT20	MCS0	1	100	5500	6.27	-		11.00	-	-5.10	-		Pass
HT20	MCS0	1	116	5580	7.74	-		11.00	-	-5.10	-		Pass
HT20	MCS0	1	140	5700	4.29	-		11.00	-	-5.10	-		Pass
HT40	MCS0	1	102	5510	1.61	-		11.00	-	-5.10	-		Pass
HT40	MCS0	1	110	5550	4.43	-		11.00	-	-5.10	-		Pass
HT40	MCS0	1	134	5670	4.28	-		11.00	-	-5.10	-		Pass
VHT80	MCS0	1	106	5530	-2.03	-		11.00	-	-5.10	-		Pass
VHT80	MCS0	1	122	5610	1.41	-		11.00	-	-5.10	-		Pass

Band III straddle channel single antenna													
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	1	144	5720	7.30	-		11.00	-	-5.10	-		Pass
HT20	MCS0	1	144	5720	7.18	-		11.00	-	-5.10	-		Pass
HT40	MCS0	1	142	5710	4.68	-		11.00	-	-5.10	-		Pass
VHT80	MCS0	1	138	5690	1.63	-		11.00	-	-5.10	-		Pass



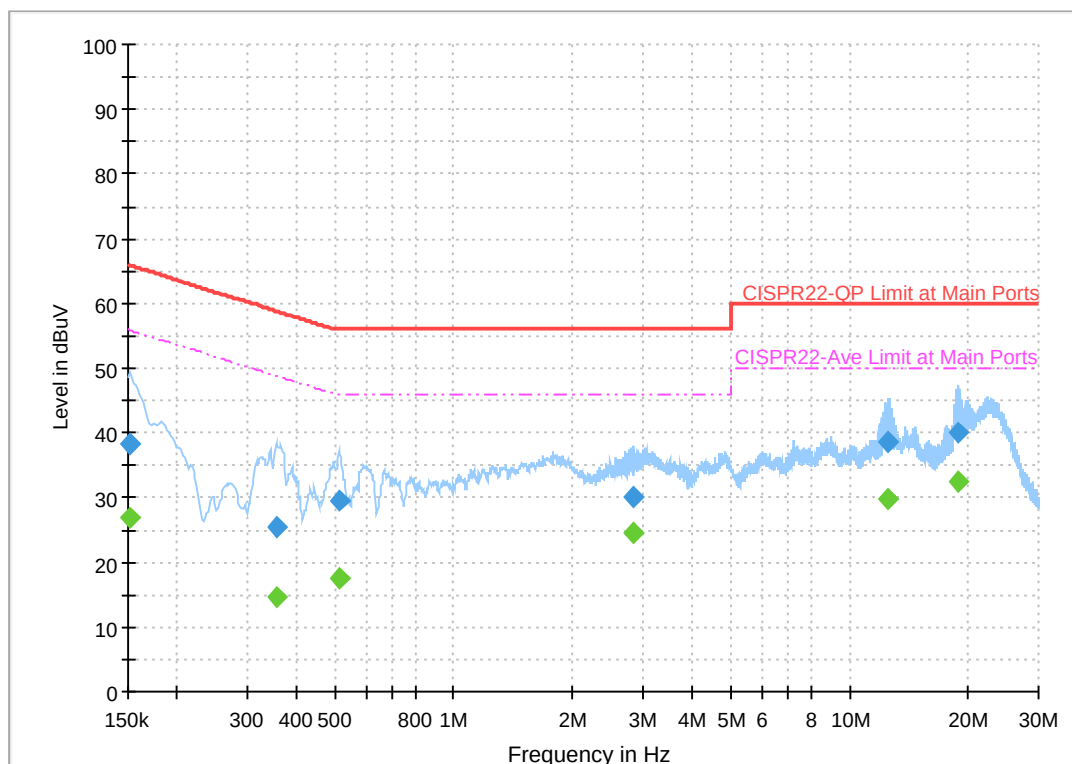
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 170932-01
Test Mode : Mode 1
Test Voltage : 110Vac/60Hz
Phase : Line

Full Spectrum



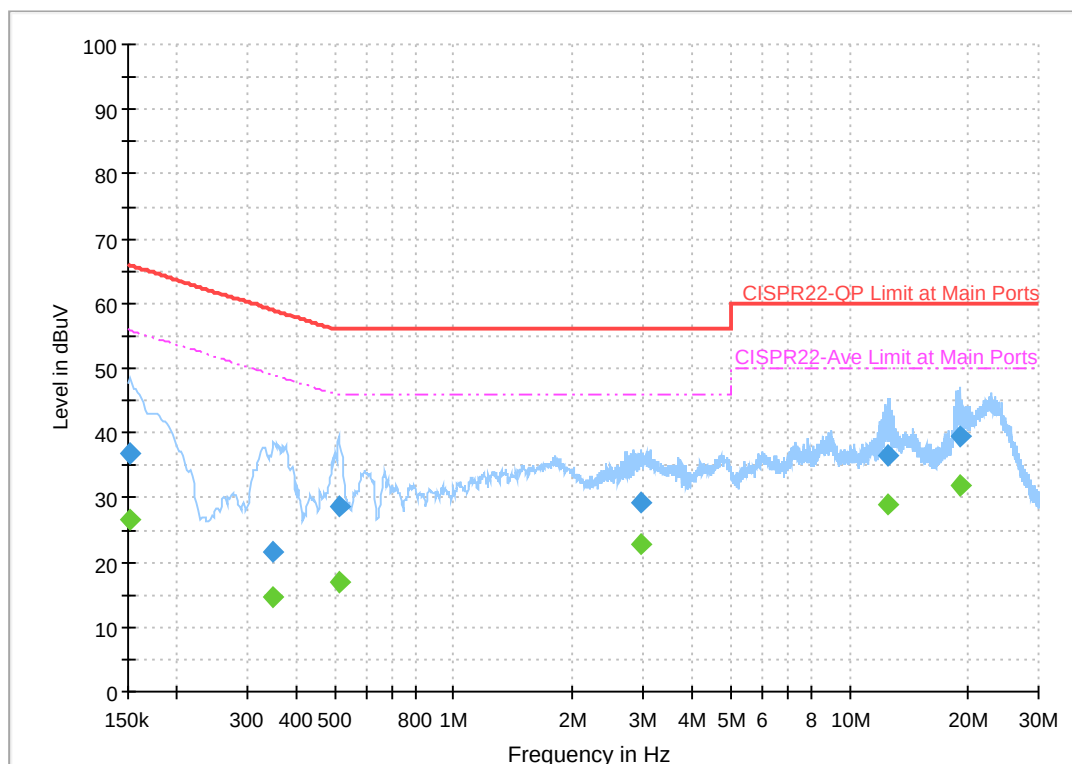
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	26.87	55.88	29.01	L1	OFF	20.0
0.152250	38.39	---	65.88	27.48	L1	OFF	20.0
0.354750	---	14.52	48.85	34.33	L1	OFF	20.0
0.354750	25.36	---	58.85	33.49	L1	OFF	20.0
0.512250	---	17.45	46.00	28.55	L1	OFF	20.0
0.512250	29.57	---	56.00	26.43	L1	OFF	20.0
2.825250	---	24.42	46.00	21.58	L1	OFF	20.1
2.825250	30.00	---	56.00	26.00	L1	OFF	20.1
12.464250	---	29.82	50.00	20.18	L1	OFF	20.2
12.464250	38.69	---	60.00	21.31	L1	OFF	20.2
18.849750	---	32.59	50.00	17.41	L1	OFF	20.2
18.849750	40.09	---	60.00	19.91	L1	OFF	20.2

EUT Information

Report NO : 170932-01
 Test Mode : Mode 1
 Test Voltage : 110Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	26.74	55.88	29.13	N	OFF	20.0
0.152250	36.87	---	65.88	29.01	N	OFF	20.0
0.350250	---	14.76	48.96	34.20	N	OFF	20.0
0.350250	21.61	---	58.96	37.35	N	OFF	20.0
0.512250	---	17.09	46.00	28.91	N	OFF	20.0
0.512250	28.78	---	56.00	27.22	N	OFF	20.0
2.980500	---	22.76	46.00	23.24	N	OFF	20.1
2.980500	29.20	---	56.00	26.80	N	OFF	20.1
12.484500	---	28.90	50.00	21.10	N	OFF	20.2
12.484500	36.61	---	60.00	23.39	N	OFF	20.2
18.939750	---	31.94	50.00	18.06	N	OFF	20.3
18.939750	39.51	---	60.00	20.49	N	OFF	20.3



Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee, Jacky Hong and, Wilson Wu	Temperature :	20~25°C
		Relative Humidity :	50~60%

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

WIFI Ant. 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		5148.98	62.48	-11.52	74	51.41	32.2	6.28	27.41	191	347	P	H
		5150	50.81	-3.19	54	39.74	32.2	6.28	27.41	191	347	A	H
	*	5180	108.62	-	-	97.66	32.08	6.28	27.4	191	347	P	H
	*	5180	100.65	-	-	89.69	32.08	6.28	27.4	191	347	A	H
													H
													H
		5150	61.57	-12.43	74	50.5	32.2	6.28	27.41	365	233	P	V
		5150	45.71	-8.29	54	34.64	32.2	6.28	27.41	365	233	A	V
	*	5180	105.11	-	-	94.15	32.08	6.28	27.4	365	233	P	V
	*	5180	97.63	-	-	86.67	32.08	6.28	27.4	365	233	A	V
													V
													V
802.11a CH 44 5220MHz		5135.46	53.13	-20.87	74	42.1	32.17	6.27	27.41	191	347	P	H
		5150	43.75	-10.25	54	32.68	32.2	6.28	27.41	191	347	A	H
	*	5220	109.35	-	-	98.52	31.92	6.3	27.39	191	347	P	H
	*	5220	101.82	-	-	90.99	31.92	6.3	27.39	191	347	A	H
		5388.04	51.06	-22.94	74	40.2	31.83	6.38	27.35	191	347	P	H
		5456.36	41.13	-12.87	54	30.12	31.93	6.41	27.33	191	347	A	H
		5089.96	53.75	-20.25	74	42.82	32.1	6.26	27.43	377	227	P	V
		5149.76	42.46	-11.54	54	31.39	32.2	6.28	27.41	377	227	A	V
	*	5220	105.92	-	-	95.09	31.92	6.3	27.39	377	227	P	V
	*	5220	98.49	-	-	87.66	31.92	6.3	27.39	377	227	A	V
		5389.44	51.33	-22.67	74	40.46	31.84	6.38	27.35	377	227	P	V
		5459.72	40.99	-13.01	54	29.97	31.94	6.41	27.33	377	227	A	V



802.11a CH 48 5240MHz		5130.78	53.14	-20.86	74	42.13	32.16	6.27	27.42	171	347	P	H
		5148.72	43.1	-10.9	54	32.03	32.2	6.28	27.41	171	347	A	H
	*	5240	109.77	-	-	99.01	31.84	6.31	27.39	171	347	P	H
	*	5240	102.03	-	-	91.27	31.84	6.31	27.39	171	347	A	H
		5402.04	51.43	-22.57	74	40.49	31.9	6.39	27.35	171	347	P	H
		5350	41.62	-12.38	54	31.02	31.6	6.36	27.36	171	347	A	H
		5060.84	52.89	-21.11	74	41.96	32.1	6.26	27.43	395	227	P	V
		5075.92	42.47	-11.53	54	31.54	32.1	6.26	27.43	395	227	A	V
	*	5240	106.35	-	-	95.59	31.84	6.31	27.39	395	227	P	V
	*	5240	98.56	-	-	87.8	31.84	6.31	27.39	395	227	A	V
		5426.4	51.19	-22.81	74	40.23	31.9	6.4	27.34	395	227	P	V
		5459.72	41.14	-12.86	54	30.12	31.94	6.41	27.33	395	227	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. 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	47.67	-20.53	68.2	54.04	39.94	10.15	56.46	100	0	P	H
		15540	47.2	-26.8	74	51.91	39.44	12.03	56.18	100	0	P	H
													H
													H
		10360	48.02	-20.18	68.2	54.39	39.94	10.15	56.46	100	0	P	V
		15540	46.36	-27.64	74	51.07	39.44	12.03	56.18	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	47.46	-20.74	68.2	53.51	40.22	10.19	56.46	100	0	P	H
		15660	44.55	-29.45	74	49.54	38.9	12.04	55.93	100	0	P	H
													H
													H
		10440	47.29	-20.91	68.2	53.34	40.22	10.19	56.46	100	0	P	V
		15660	44.69	-29.31	74	49.68	38.9	12.04	55.93	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	48.35	-19.85	68.2	54.26	40.34	10.21	56.46	100	0	P	H
		15720	45.19	-28.81	74	50.26	38.68	12.05	55.8	100	0	P	H
													H
													H
		10480	47.68	-20.52	68.2	53.59	40.34	10.21	56.46	100	0	P	V
		15720	46.04	-27.96	74	51.11	38.68	12.05	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT20 CH 36 5180MHz		5150	61.33	-12.67	74	50.26	32.2	6.28	27.41	300	335	P	H
		5150	50.76	-3.24	54	39.69	32.2	6.28	27.41	300	335	A	H
	*	5180	108.33	-	-	97.37	32.08	6.28	27.4	300	335	P	H
	*	5180	100.59	-	-	89.63	32.08	6.28	27.4	300	335	A	H
													H
													H
		5149.24	59.01	-14.99	74	47.94	32.2	6.28	27.41	347	214	P	V
		5150	47.26	-6.74	54	36.19	32.2	6.28	27.41	347	214	A	V
	*	5180	103.69	-	-	92.73	32.08	6.28	27.4	347	214	P	V
	*	5180	96.17	-	-	85.21	32.08	6.28	27.4	347	214	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5120.64	54.63	-19.37	74	43.64	32.14	6.27	27.42	312	336	P	H
		5150	43.64	-10.36	54	32.57	32.2	6.28	27.41	312	336	A	H
	*	5220	109.54	-	-	98.71	31.92	6.3	27.39	312	336	P	H
	*	5220	101.07	-	-	90.24	31.92	6.3	27.39	312	336	A	H
		5446	50.83	-23.17	74	39.86	31.9	6.4	27.33	312	336	P	H
		5459.72	41.29	-12.71	54	30.27	31.94	6.41	27.33	312	336	A	H
		5073.32	52.63	-21.37	74	41.7	32.1	6.26	27.43	357	221	P	V
		5147.42	42.65	-11.35	54	31.59	32.19	6.28	27.41	357	221	A	V
	*	5220	104.27	-	-	93.44	31.92	6.3	27.39	357	221	P	V
	*	5220	96.49	-	-	85.66	31.92	6.3	27.39	357	221	A	V
		5445.16	50.34	-23.66	74	39.37	31.9	6.4	27.33	357	221	P	V
		5459.72	41.11	-12.89	54	30.09	31.94	6.41	27.33	357	221	A	V



802.11n HT20 CH 48 5240MHz		5144.82	52.96	-21.04	74	41.9	32.19	6.28	27.41	303	337	P	H
		5149.76	42.93	-11.07	54	31.86	32.2	6.28	27.41	303	337	A	H
	*	5240	107.79	-	-	97.03	31.84	6.31	27.39	303	337	P	H
	*	5240	100.1	-	-	89.34	31.84	6.31	27.39	303	337	A	H
		5407.36	52.04	-21.96	74	41.09	31.9	6.39	27.34	303	337	P	H
		5459.44	41.35	-12.65	54	30.33	31.94	6.41	27.33	303	337	A	H
		5078.52	52.07	-21.93	74	41.14	32.1	6.26	27.43	357	220	P	V
		5127.92	42.35	-11.65	54	31.34	32.16	6.27	27.42	357	220	A	V
	*	5240	104.6	-	-	93.84	31.84	6.31	27.39	357	220	P	V
	*	5240	96.81	-	-	86.05	31.84	6.31	27.39	357	220	A	V
		5422.48	50.44	-23.56	74	39.48	31.9	6.4	27.34	357	220	P	V
		5460	41.11	-12.89	54	30.09	31.94	6.41	27.33	357	220	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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)
802.11n HT20 CH 36 5180MHz		10360	47.07	-21.13	68.2	53.44	39.94	10.15	56.46	100	0	P	H
		15540	46.16	-27.84	74	50.87	39.44	12.03	56.18	100	0	P	H
													H
													H
		10360	48.2	-20	68.2	54.57	39.94	10.15	56.46	100	0	P	V
		15540	46.25	-27.75	74	50.96	39.44	12.03	56.18	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	47.6	-20.6	68.2	53.65	40.22	10.19	56.46	100	0	P	H
		15660	46.54	-27.46	74	51.53	38.9	12.04	55.93	100	0	P	H
													H
													H
		10440	47.02	-21.18	68.2	53.07	40.22	10.19	56.46	100	0	P	V
		15660	45.14	-28.86	74	50.13	38.9	12.04	55.93	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	47.68	-20.52	68.2	53.59	40.34	10.21	56.46	100	0	P	H
		15720	46.06	-27.94	74	51.13	38.68	12.05	55.8	100	0	P	H
													H
													H
		10480	48.63	-19.57	68.2	54.54	40.34	10.21	56.46	100	0	P	V
		15720	46.76	-27.24	74	51.83	38.68	12.05	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT40 CH 38 5190MHz		5148.72	63.03	-10.97	74	51.96	32.2	6.28	27.41	301	332	P	H
		5150	49.9	-4.1	54	38.83	32.2	6.28	27.41	301	332	A	H
	*	5190	103.92	-	-	92.99	32.04	6.29	27.4	301	332	P	H
	*	5190	95.53	-	-	84.6	32.04	6.29	27.4	301	332	A	H
		5440.4	50.06	-23.94	74	39.1	31.9	6.4	27.34	301	332	P	H
		5460	41.07	-12.93	54	30.05	31.94	6.41	27.33	301	332	A	H
		5148.46	59.91	-14.09	74	48.84	32.2	6.28	27.41	344	242	P	V
		5150	46.36	-7.64	54	35.29	32.2	6.28	27.41	344	242	A	V
	*	5190	99.27	-	-	88.34	32.04	6.29	27.4	344	242	P	V
	*	5190	91.75	-	-	80.82	32.04	6.29	27.4	344	242	A	V
		5433.12	49.94	-24.06	74	38.98	31.9	6.4	27.34	344	242	P	V
		5458.88	40.99	-13.01	54	29.97	31.94	6.41	27.33	344	242	A	V
802.11n HT40 CH 46 5230MHz		5148.72	55.56	-18.44	74	44.49	32.2	6.28	27.41	309	346	P	H
		5150	45.99	-8.01	54	34.92	32.2	6.28	27.41	309	346	A	H
	*	5230	105.88	-	-	95.09	31.88	6.3	27.39	309	346	P	H
	*	5230	98.37	-	-	87.58	31.88	6.3	27.39	309	346	A	H
		5433.68	50.87	-23.13	74	39.91	31.9	6.4	27.34	309	346	P	H
		5350	41.38	-12.62	54	30.78	31.6	6.36	27.36	309	346	A	H
		5132.6	54.02	-19.98	74	43	32.17	6.27	27.42	340	232	P	V
		5150	44	-10	54	32.93	32.2	6.28	27.41	340	232	A	V
	*	5230	101.98	-	-	91.19	31.88	6.3	27.39	340	232	P	V
	*	5230	94.24	-	-	83.45	31.88	6.3	27.39	340	232	A	V
		5390.84	50.49	-23.51	74	39.6	31.85	6.39	27.35	340	232	P	V
		5459.44	41.1	-12.9	54	30.08	31.94	6.41	27.33	340	232	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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)
802.11n HT40 CH 38 5190MHz		10380	47.51	-20.69	68.2	53.79	40.02	10.16	56.46	100	0	P	H
		15570	45.95	-28.05	74	50.72	39.32	12.03	56.12	100	0	P	H
													H
													H
		10380	47.47	-20.73	68.2	53.75	40.02	10.16	56.46	100	0	P	V
		15570	46.21	-27.79	74	50.98	39.32	12.03	56.12	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	48.27	-19.93	68.2	54.25	40.28	10.2	56.46	100	0	P	H
		15690	44.9	-29.1	74	49.97	38.75	12.04	55.86	100	0	P	H
													H
													H
		10460	48.19	-20.01	68.2	54.17	40.28	10.2	56.46	100	0	P	V
		15690	44.42	-29.58	74	49.49	38.75	12.04	55.86	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5142.48	63.66	-10.34	74	52.61	32.18	6.28	27.41	312	346	P	H
		5149.76	50.71	-3.29	54	39.64	32.2	6.28	27.41	312	346	A	H
	*	5210	100.28	-	-	89.42	31.96	6.3	27.4	312	346	P	H
	*	5210	92.41	-	-	81.55	31.96	6.3	27.4	312	346	A	H
		5355.28	51.21	-22.79	74	40.57	31.63	6.37	27.36	312	346	P	H
		5351.36	41.38	-12.62	54	30.76	31.61	6.37	27.36	312	346	A	H
		5148.46	55.98	-18.02	74	44.91	32.2	6.28	27.41	399	235	P	V
		5149.76	46.67	-7.33	54	35.6	32.2	6.28	27.41	399	235	A	V
	*	5210	96.16	-	-	85.3	31.96	6.3	27.4	399	235	P	V
	*	5210	88.46	-	-	77.6	31.96	6.3	27.4	399	235	A	V
		5450.2	49.92	-24.08	74	38.94	31.9	6.41	27.33	399	235	P	V
		5458.6	41.06	-12.94	54	30.05	31.93	6.41	27.33	399	235	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	46.99	-21.21	68.2	53.11	40.16	10.18	56.46	100	0	P	H
		15630	46.45	-27.55	74	51.36	39.05	12.03	55.99	100	0	P	H
													H
													H
		10420	47.48	-20.72	68.2	53.6	40.16	10.18	56.46	100	0	P	V
		15630	46.29	-27.71	74	51.2	39.05	12.03	55.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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		5045.9	52.48	-21.52	74	41.59	32.08	6.25	27.44	249	337	P	H
		5147.9	42.54	-11.46	54	31.47	32.2	6.28	27.41	249	337	A	H
	*	5260	109.78	-	-	99.06	31.78	6.32	27.38	249	337	P	H
	*	5260	101.82	-	-	91.1	31.78	6.32	27.38	249	337	A	H
		5360.64	50.84	-23.16	74	40.17	31.66	6.37	27.36	249	337	P	H
		5350.32	41.58	-12.42	54	30.97	31.6	6.37	27.36	249	337	A	H
		5134.98	52.59	-21.41	74	41.56	32.17	6.27	27.41	300	222	P	V
		5087.72	42.25	-11.75	54	31.32	32.1	6.26	27.43	300	222	A	V
	*	5260	105.82	-	-	95.1	31.78	6.32	27.38	300	222	P	V
	*	5260	98.26	-	-	87.54	31.78	6.32	27.38	300	222	A	V
		5357.52	49.88	-24.12	74	39.22	31.65	6.37	27.36	300	222	P	V
		5459.76	41.06	-12.94	54	30.04	31.94	6.41	27.33	300	222	A	V
802.11a CH 60 5300MHz		5034	52.5	-21.5	74	41.69	32	6.25	27.44	247	345	P	H
		5129.2	42.49	-11.51	54	31.48	32.16	6.27	27.42	247	345	A	H
	*	5300	109.78	-	-	99.11	31.7	6.34	27.37	247	345	P	H
	*	5300	102.29	-	-	91.62	31.7	6.34	27.37	247	345	A	H
		5350.08	56.54	-17.46	74	45.93	31.6	6.37	27.36	247	345	P	H
		5350.08	44.07	-9.93	54	33.46	31.6	6.37	27.36	247	345	A	H
		5143.14	53	-21	74	41.94	32.19	6.28	27.41	313	222	P	V
		5051.34	42.22	-11.78	54	31.31	32.1	6.25	27.44	313	222	A	V
	*	5300	106.91	-	-	96.24	31.7	6.34	27.37	313	222	P	V
	*	5300	98.79	-	-	88.12	31.7	6.34	27.37	313	222	A	V
		5459.52	51.48	-22.52	74	40.46	31.94	6.41	27.33	313	222	P	V
		5350.08	41.85	-12.15	54	31.24	31.6	6.37	27.36	313	222	A	V



802.11a CH 64 5320MHz	*	5320	109.61	-	-	98.97	31.66	6.35	27.37	229	337	P	H
	*	5320	101.69	-	-	91.05	31.66	6.35	27.37	229	337	A	H
		5351.52	63.16	-10.84	74	52.54	31.61	6.37	27.36	229	337	P	H
		5350.08	49.38	-4.62	54	38.77	31.6	6.37	27.36	229	337	A	H
													H
													H
	*	5320	105.57	-	-	94.93	31.66	6.35	27.37	296	220	P	V
	*	5320	97.92	-	-	87.28	31.66	6.35	27.37	296	220	A	V
		5352.48	55.08	-18.92	74	44.46	31.61	6.37	27.36	296	220	P	V
		5350.08	45.53	-8.47	54	34.92	31.6	6.37	27.36	296	220	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. 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	47.14	-21.06	68.2	52.98	40.36	10.23	56.43	100	0	P	H
		15780	45.8	-28.2	74	50.8	38.62	12.05	55.67	100	0	P	H
													H
													H
		10520	48.11	-20.09	68.2	53.95	40.36	10.23	56.43	100	0	P	V
		15780	46.99	-27.01	74	51.99	38.62	12.05	55.67	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.22	-26.78	74	53.07	40.2	10.27	56.32	100	0	P	H
		15900	46.22	-27.78	74	50.86	38.7	12.07	55.41	100	0	P	H
													H
													H
		10600	48.57	-25.43	74	54.42	40.2	10.27	56.32	100	0	P	V
		15900	46.32	-27.68	74	50.96	38.7	12.07	55.41	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.58	-25.42	74	54.24	40.32	10.29	56.27	100	0	P	H
		15960	45.75	-28.25	74	50.45	38.52	12.07	55.29	100	0	P	H
													H
													H
		10640	48.85	-25.15	74	54.51	40.32	10.29	56.27	100	0	P	V
		15960	45.01	-28.99	74	49.71	38.52	12.07	55.29	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT20 CH 52 5260MHz		5116.62	53.37	-20.63	74	42.39	32.13	6.27	27.42	280	353	P	H
		5092.82	42.46	-11.54	54	31.53	32.1	6.26	27.43	280	353	A	H
	*	5260	108.03	-	-	97.31	31.78	6.32	27.38	280	353	P	H
	*	5260	100.35	-	-	89.63	31.78	6.32	27.38	280	353	A	H
		5430.48	51.18	-22.82	74	40.22	31.9	6.4	27.34	280	353	P	H
		5351.52	41.57	-12.43	54	30.95	31.61	6.37	27.36	280	353	A	H
		5077.18	52.06	-21.94	74	41.13	32.1	6.26	27.43	353	222	P	V
		5089.08	42.26	-11.74	54	31.33	32.1	6.26	27.43	353	222	A	V
	*	5260	104.46	-	-	93.74	31.78	6.32	27.38	353	222	P	V
	*	5260	96.88	-	-	86.16	31.78	6.32	27.38	353	222	A	V
		5422.56	50.47	-23.53	74	39.51	31.9	6.4	27.34	353	222	P	V
		5459.28	41.12	-12.88	54	30.1	31.94	6.41	27.33	353	222	A	V
802.11n HT20 CH 60 5300MHz		5137.36	53.22	-20.78	74	42.19	32.17	6.27	27.41	301	340	P	H
		5129.88	42.45	-11.55	54	31.44	32.16	6.27	27.42	301	340	A	H
	*	5300	108.73	-	-	98.06	31.7	6.34	27.37	301	340	P	H
	*	5300	101.08	-	-	90.41	31.7	6.34	27.37	301	340	A	H
		5351.28	52.87	-21.13	74	42.25	31.61	6.37	27.36	301	340	P	H
		5350.08	44.06	-9.94	54	33.45	31.6	6.37	27.36	301	340	A	H
		5109.82	52.38	-21.62	74	41.41	32.12	6.27	27.42	350	224	P	V
		5048.28	42.24	-11.76	54	31.34	32.09	6.25	27.44	350	224	A	V
	*	5300	106.14	-	-	95.47	31.7	6.34	27.37	350	224	P	V
	*	5300	97.2	-	-	86.53	31.7	6.34	27.37	350	224	A	V
		5393.04	50.96	-23.04	74	40.06	31.86	6.39	27.35	350	224	P	V
		5350.08	41.5	-12.5	54	30.89	31.6	6.37	27.36	350	224	A	V



802.11n HT20 CH 64 5320MHz	*	5320	109.39	-	-	98.75	31.66	6.35	27.37	298	339	P	H
	*	5320	100.98	-	-	90.34	31.66	6.35	27.37	298	339	A	H
		5351.36	60.41	-13.59	74	49.79	31.61	6.37	27.36	298	339	P	H
		5350.08	49.7	-4.3	54	39.09	31.6	6.37	27.36	298	339	A	H
													H
													H
	*	5320	105.13	-	-	94.49	31.66	6.35	27.37	365	219	P	V
	*	5320	97.16	-	-	86.52	31.66	6.35	27.37	365	219	A	V
		5353.12	56.05	-17.95	74	45.42	31.62	6.37	27.36	365	219	P	V
		5350.08	46.16	-7.84	54	35.55	31.6	6.37	27.36	365	219	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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)
802.11n HT20 CH 52 5260MHz		10520	48.22	-19.98	68.2	54.06	40.36	10.23	56.43	100	0	P	H
		15780	46.72	-27.28	74	51.72	38.62	12.05	55.67	100	0	P	H
													H
													H
		10520	48.23	-19.97	68.2	54.07	40.36	10.23	56.43	100	0	P	V
		15780	45.79	-28.21	74	50.79	38.62	12.05	55.67	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	47.04	-26.96	74	52.89	40.2	10.27	56.32	100	0	P	H
		15900	46.23	-27.77	74	50.87	38.7	12.07	55.41	100	0	P	H
													H
													H
		10600	47.54	-26.46	74	53.39	40.2	10.27	56.32	100	0	P	V
		15900	46.32	-27.68	74	50.96	38.7	12.07	55.41	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	48.19	-25.81	74	53.85	40.32	10.29	56.27	100	0	P	H
		15960	46.02	-27.98	74	50.72	38.52	12.07	55.29	100	0	P	H
													H
													H
		10640	47.52	-26.48	74	53.18	40.32	10.29	56.27	100	0	P	V
		15960	45.85	-28.15	74	50.55	38.52	12.07	55.29	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT40 CH 54 5270MHz		5138.72	52.52	-21.48	74	41.48	32.18	6.27	27.41	150	30	P	H
		5149.94	42.99	-11.01	54	31.92	32.2	6.28	27.41	150	30	A	H
	*	5270	106.89	-	-	96.19	31.76	6.32	27.38	150	30	P	H
	*	5270	99.17	-	-	88.47	31.76	6.32	27.38	150	30	A	H
		5359.92	52.55	-21.45	74	41.88	31.66	6.37	27.36	150	30	P	H
		5350.08	43.96	-10.04	54	33.35	31.6	6.37	27.36	150	30	A	H
		5101.32	52.53	-21.47	74	41.58	32.1	6.27	27.42	400	143	P	V
		5050.32	42.34	-11.66	54	31.43	32.1	6.25	27.44	400	143	A	V
	*	5270	103.86	-	-	93.16	31.76	6.32	27.38	400	143	P	V
	*	5270	95.78	-	-	85.08	31.76	6.32	27.38	400	143	A	V
		5374.08	50.99	-23.01	74	40.22	31.74	6.38	27.35	400	143	P	V
		5350.32	42.35	-11.65	54	31.74	31.6	6.37	27.36	400	143	A	V
802.11n HT40 CH 62 5310MHz		5049.64	52.92	-21.08	74	42.01	32.1	6.25	27.44	149	30	P	H
		5142.46	42.49	-11.51	54	31.44	32.18	6.28	27.41	149	30	A	H
	*	5310	105.63	-	-	94.98	31.68	6.34	27.37	149	30	P	H
	*	5310	97.12	-	-	86.47	31.68	6.34	27.37	149	30	A	H
		5350.8	62.78	-11.22	74	52.17	31.6	6.37	27.36	149	30	P	H
		5350.08	50.32	-3.68	54	39.71	31.6	6.37	27.36	149	30	A	H
		5149.6	52.66	-21.34	74	41.59	32.2	6.28	27.41	392	143	P	V
		5049.98	42.31	-11.69	54	31.4	32.1	6.25	27.44	392	143	A	V
	*	5310	102.36	-	-	91.71	31.68	6.34	27.37	392	143	P	V
	*	5310	94.17	-	-	83.52	31.68	6.34	27.37	392	143	A	V
		5352.48	59.64	-14.36	74	49.02	31.61	6.37	27.36	392	143	P	V
		5350.08	47.37	-6.63	54	36.76	31.6	6.37	27.36	392	143	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



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

WIFI Ant. 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)
802.11n HT40 CH 54 5270MHz		10540	47.82	-20.38	68.2	53.66	40.32	10.24	56.4	100	0	P	H
		15810	44.79	-29.21	74	49.73	38.61	12.06	55.61	100	0	P	H
													H
													H
		10540	47.96	-20.24	68.2	53.8	40.32	10.24	56.4	100	0	P	V
		15810	43.52	-30.48	74	48.46	38.61	12.06	55.61	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	47.58	-26.42	74	53.33	40.26	10.28	56.29	100	0	P	H
		15930	45.45	-28.55	74	50.12	38.61	12.07	55.35	100	0	P	H
													H
													H
		10620	47.37	-26.63	74	53.12	40.26	10.28	56.29	100	0	P	V
		15930	45.36	-28.64	74	50.03	38.61	12.07	55.35	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5110.16	52.36	-21.64	74	41.39	32.12	6.27	27.42	307	348	P	H
		5149.94	42.46	-11.54	54	31.39	32.2	6.28	27.41	307	348	A	H
	*	5290	99.17	-	-	88.48	31.72	6.34	27.37	307	348	P	H
	*	5290	91.16	-	-	80.47	31.72	6.34	27.37	307	348	A	H
		5351.76	57	-17	74	46.38	31.61	6.37	27.36	307	348	P	H
		5350.08	49.66	-4.34	54	39.05	31.6	6.37	27.36	307	348	A	H
		5016.32	52.6	-21.4	74	41.91	31.9	6.24	27.45	389	226	P	V
		5056.44	42.33	-11.67	54	31.42	32.1	6.25	27.44	389	226	A	V
	*	5290	94.85	-	-	84.16	31.72	6.34	27.37	389	226	P	V
	*	5290	87.12	-	-	76.43	31.72	6.34	27.37	389	226	A	V
		5352.48	54.79	-19.21	74	44.17	31.61	6.37	27.36	389	226	P	V
		5350.08	45.7	-8.3	54	35.09	31.6	6.37	27.36	389	226	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	47.69	-20.51	68.2	53.54	40.24	10.26	56.35	100	0	P	H
		15870	45.8	-28.2	74	50.54	38.67	12.07	55.48	100	0	P	H
													H
													H
		10580	48.22	-19.98	68.2	54.07	40.24	10.26	56.35	100	0	P	V
		15870	45.08	-28.92	74	49.82	38.67	12.07	55.48	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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		5459.92	59.26	-14.74	74	48.24	31.94	6.41	27.33	384	344	P	H
		5469.84	64.82	-3.38	68.2	53.76	31.98	6.41	27.33	384	344	P	H
		5459.92	43.93	-10.07	54	32.91	31.94	6.41	27.33	384	344	A	H
	*	5500	107.22	-	-	96.02	32.1	6.42	27.32	384	344	P	H
	*	5500	99.54	-	-	88.34	32.1	6.42	27.32	384	344	A	H
													H
		5460.08	55.47	-12.73	68.2	44.45	31.94	6.41	27.33	340	101	P	V
		5466.48	57.84	-10.36	68.2	46.79	31.97	6.41	27.33	340	101	P	V
		5459.92	42.61	-11.39	54	31.59	31.94	6.41	27.33	340	101	A	V
	*	5500	103.81	-	-	92.61	32.1	6.42	27.32	340	101	P	V
	*	5500	96.2	-	-	85	32.1	6.42	27.32	340	101	A	V
													V
802.11a CH 116 5580MHz		5458.96	51.09	-22.91	74	40.07	31.94	6.41	27.33	214	348	P	H
		5465.92	51.29	-16.91	68.2	40.25	31.96	6.41	27.33	214	348	P	H
		5459.92	42.01	-11.99	54	30.99	31.94	6.41	27.33	214	348	A	H
	*	5580	108.44	-	-	97.38	32	6.44	27.38	214	348	P	H
	*	5580	100.77	-	-	89.71	32	6.44	27.38	214	348	A	H
		5735.705	51.97	-16.23	68.2	40.71	32.34	6.41	27.49	214	348	P	H
		5452.48	52.17	-21.83	74	41.18	31.91	6.41	27.33	291	108	P	V
		5460.64	50.21	-17.99	68.2	39.19	31.94	6.41	27.33	291	108	P	V
		5459.92	41.36	-12.64	54	30.34	31.94	6.41	27.33	291	108	A	V
	*	5580	105.64	-	-	94.58	32	6.44	27.38	291	108	P	V
	*	5580	97.81	-	-	86.75	32	6.44	27.38	291	108	A	V
		5730.035	52.3	-15.9	68.2	41.06	32.32	6.41	27.49	291	108	P	V



802.11a CH 140 5700MHz	*	5700	106.54	-	-	95.38	32.2	6.42	27.46	396	347	P	H
	*	5700	98.54	-	-	87.38	32.2	6.42	27.46	396	347	A	H
		5725.08	63.95	-4.25	68.2	52.72	32.3	6.41	27.48	396	347	P	H
													H
													H
													H
	*	5700	102.32	-	-	91.16	32.2	6.42	27.46	352	97	P	V
	*	5700	94.76	-	-	83.6	32.2	6.42	27.46	352	97	A	V
		5725.08	61.58	-6.62	68.2	50.35	32.3	6.41	27.48	352	97	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. 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	49.29	-24.71	74	53.89	40.7	10.47	55.77	100	0	P	H
		16500	46.13	-22.07	68.2	49.28	39.9	12.26	55.31	100	0	P	H
													H
													H
		11000	48.52	-25.48	74	53.12	40.7	10.47	55.77	100	0	P	V
		16500	46.43	-21.77	68.2	49.58	39.9	12.26	55.31	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.43	-26.57	74	52.7	39.96	10.54	55.77	100	0	P	H
		16740	47.35	-20.85	68.2	50.27	40.26	12.35	55.53	100	0	P	H
													H
													H
		11160	48.46	-25.54	74	53.73	39.96	10.54	55.77	100	0	P	V
		16740	47.54	-20.66	68.2	50.46	40.26	12.35	55.53	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.6	-26.4	74	52.84	39.9	10.64	55.78	100	0	P	H
		17100	48.2	-20	68.2	51.23	40.4	12.52	55.95	100	0	P	H
													H
													H
		11400	47.14	-26.86	74	52.38	39.9	10.64	55.78	100	0	P	V
		17100	47.88	-20.32	68.2	50.91	40.4	12.52	55.95	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT20 CH 100 5500MHz		5454.16	57.85	-16.15	74	46.85	31.92	6.41	27.33	311	342	P	H
		5469.68	64.85	-3.35	68.2	53.79	31.98	6.41	27.33	311	342	P	H
		5460	46.05	-7.95	54	35.03	31.94	6.41	27.33	311	342	A	H
	*	5500	109.14	-	-	97.94	32.1	6.42	27.32	311	342	P	H
	*	5500	100.89	-	-	89.69	32.1	6.42	27.32	311	342	A	H
													H
		5458.8	54.44	-19.56	74	43.42	31.94	6.41	27.33	327	210	P	V
		5468.88	61.33	-6.87	68.2	50.27	31.98	6.41	27.33	327	210	P	V
		5460	43.57	-10.43	54	32.55	31.94	6.41	27.33	327	210	A	V
	*	5500	104.21	-	-	93.01	32.1	6.42	27.32	327	210	P	V
	*	5500	96.57	-	-	85.37	32.1	6.42	27.32	327	210	A	V
													V
802.11n HT20 CH 116 5580MHz		5451.28	52.42	-21.58	74	41.43	31.91	6.41	27.33	318	344	P	H
		5461.6	51.62	-16.58	68.2	40.59	31.95	6.41	27.33	318	344	P	H
		5459.92	42.22	-11.78	54	31.2	31.94	6.41	27.33	318	344	A	H
	*	5580	110.46	-	-	99.4	32	6.44	27.38	318	344	P	H
	*	5580	102.46	-	-	91.4	32	6.44	27.38	318	344	A	H
		5749.565	52.17	-16.03	68.2	40.86	32.4	6.41	27.5	318	344	P	H
		5445.28	51.31	-22.69	74	40.34	31.9	6.4	27.33	363	211	P	V
		5463.28	51.29	-16.91	68.2	40.26	31.95	6.41	27.33	363	211	P	V
		5459.44	41.54	-12.46	54	30.52	31.94	6.41	27.33	363	211	A	V
	*	5580	105.36	-	-	94.3	32	6.44	27.38	363	211	P	V
	*	5580	97.6	-	-	86.54	32	6.44	27.38	363	211	A	V
		5750.825	51.59	-16.61	68.2	40.29	32.4	6.4	27.5	363	211	P	V



802.11n HT20 CH 140 5700MHz	*	5700	105.9	-	-	94.74	32.2	6.42	27.46	294	344	P	H
	*	5700	98.39	-	-	87.23	32.2	6.42	27.46	294	344	A	H
		5726.04	64.66	-3.54	68.2	53.43	32.3	6.41	27.48	294	344	P	H
													H
													H
													H
	*	5700	102.6	-	-	91.44	32.2	6.42	27.46	365	212	P	V
	*	5700	94.72	-	-	83.56	32.2	6.42	27.46	365	212	A	V
		5726.2	61.82	-6.38	68.2	50.59	32.3	6.41	27.48	365	212	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 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)
802.11n HT20 CH 100 5500MHz		11000	47.69	-26.31	74	52.29	40.7	10.47	55.77	100	0	P	H
		16500	46.54	-21.66	68.2	49.69	39.9	12.26	55.31	100	0	P	H
													H
													H
		11000	47.61	-26.39	74	52.21	40.7	10.47	55.77	100	0	P	V
		16500	46.89	-21.31	68.2	50.04	39.9	12.26	55.31	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	47.21	-26.79	74	52.48	39.96	10.54	55.77	100	0	P	H
		16740	46.91	-21.29	68.2	49.83	40.26	12.35	55.53	100	0	P	H
													H
													H
		11160	47.22	-26.78	74	52.49	39.96	10.54	55.77	100	0	P	V
		16740	48.09	-20.11	68.2	51.01	40.26	12.35	55.53	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	46.91	-27.09	74	52.15	39.9	10.64	55.78	100	0	P	H
		17100	47.77	-20.43	68.2	50.8	40.4	12.52	55.95	100	0	P	H
													H
													H
		11400	47.34	-26.66	74	52.58	39.9	10.64	55.78	100	0	P	V
		17100	47.54	-20.66	68.2	50.57	40.4	12.52	55.95	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT40 CH 102 5510MHz		5458.48	61.64	-12.36	74	50.63	31.93	6.41	27.33	157	24	P	H
		5470	64.88	-3.32	68.2	53.82	31.98	6.41	27.33	157	24	P	H
		5459.92	44.82	-9.18	54	33.8	31.94	6.41	27.33	157	24	A	H
	*	5510	105.12	-	-	93.95	32.08	6.42	27.33	157	24	P	H
	*	5510	96.82	-	-	85.65	32.08	6.42	27.33	157	24	A	H
		5747.99	51.14	-17.06	68.2	39.84	32.39	6.41	27.5	157	24	P	H
		5459.68	60.14	-13.86	74	49.12	31.94	6.41	27.33	380	148	P	V
		5467.84	64.31	-3.89	68.2	53.26	31.97	6.41	27.33	380	148	P	V
		5459.92	43.59	-10.41	54	32.57	31.94	6.41	27.33	380	148	A	V
	*	5510	103.43	-	-	92.26	32.08	6.42	27.33	380	148	P	V
	*	5510	95.43	-	-	84.26	32.08	6.42	27.33	380	148	A	V
		5726.57	51.3	-16.9	68.2	40.06	32.31	6.41	27.48	380	148	P	V
802.11n HT40 CH 110 5550MHz		5457.52	55.48	-18.52	74	44.47	31.93	6.41	27.33	175	33	P	H
		5469.76	58.32	-9.88	68.2	47.26	31.98	6.41	27.33	175	33	P	H
		5459.92	45.28	-8.72	54	34.26	31.94	6.41	27.33	175	33	A	H
	*	5550	108.11	-	-	97.04	32	6.43	27.36	175	33	P	H
	*	5550	100.05	-	-	88.98	32	6.43	27.36	175	33	A	H
		5730.665	51.68	-16.52	68.2	40.44	32.32	6.41	27.49	175	33	P	H
		5449.84	54.37	-19.63	74	43.4	31.9	6.4	27.33	372	149	P	V
		5467.36	56.47	-11.73	68.2	45.42	31.97	6.41	27.33	372	149	P	V
		5459.92	44.38	-9.62	54	33.36	31.94	6.41	27.33	372	149	A	V
	*	5550	107.31	-	-	96.24	32	6.43	27.36	372	149	P	V
	*	5550	99.16	-	-	88.09	32	6.43	27.36	372	149	A	V
		5740.745	51.03	-17.17	68.2	39.75	32.36	6.41	27.49	372	149	P	V



802.11n HT40 CH 134 5670MHz		5448	51.05	-22.95	74	40.08	31.9	6.4	27.33	135	31	P	H
		5462.35	49.63	-18.57	68.2	38.6	31.95	6.41	27.33	135	31	P	H
		5459.9	41.47	-12.53	54	30.45	31.94	6.41	27.33	135	31	A	H
	*	5670	106.85	-	-	95.84	32.02	6.43	27.44	135	31	P	H
	*	5670	99.03	-	-	88.02	32.02	6.43	27.44	135	31	A	H
		5725.31	63.99	-4.21	68.2	52.76	32.3	6.41	27.48	135	31	P	H
		5445.55	51.76	-22.24	74	40.79	31.9	6.4	27.33	359	147	P	V
		5460.6	48.92	-19.28	68.2	37.9	31.94	6.41	27.33	359	147	P	V
		5459.9	41.23	-12.77	54	30.21	31.94	6.41	27.33	359	147	A	V
	*	5670	106.25	-	-	95.24	32.02	6.43	27.44	359	147	P	V
	*	5670	98.02	-	-	87.01	32.02	6.43	27.44	359	147	A	V
		5727.515	62.06	-6.14	68.2	50.82	32.31	6.41	27.48	359	147	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 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)
802.11n HT40 CH 102 5510MHz		11020	47.9	-26.1	74	52.59	40.6	10.48	55.77	100	0	P	H
		16530	45.62	-22.58	68.2	48.82	39.87	12.27	55.34	100	0	P	H
													H
													H
		11020	47.88	-26.12	74	52.57	40.6	10.48	55.77	100	0	P	V
		16530	46.51	-21.69	68.2	49.71	39.87	12.27	55.34	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	46.99	-27.01	74	52.05	40.2	10.51	55.77	100	0	P	H
		16650	47.39	-20.81	68.2	50.58	39.95	12.31	55.45	100	0	P	H
													H
													H
		11100	47.53	-26.47	74	52.59	40.2	10.51	55.77	100	0	P	V
		16650	46.66	-21.54	68.2	49.85	39.95	12.31	55.45	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	46.84	-27.16	74	52.23	39.78	10.61	55.78	100	0	P	H
		17010	48.26	-19.94	68.2	51.11	40.49	12.45	55.79	100	0	P	H
													H
													H
		11340	47.52	-26.48	74	52.91	39.78	10.61	55.78	100	0	P	V
		17010	47.74	-20.46	68.2	50.59	40.49	12.45	55.79	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5454.64	59.18	-14.82	74	48.18	31.92	6.41	27.33	150	349	P	H
		5460	62.68	-5.52	68.2	51.66	31.94	6.41	27.33	150	349	P	H
		5457.76	45.82	-8.18	54	34.81	31.93	6.41	27.33	150	349	A	H
	*	5530	101.98	-	-	90.85	32.04	6.43	27.34	150	349	P	H
	*	5530	93.26	-	-	82.13	32.04	6.43	27.34	150	349	A	H
		5758.07	51.28	-16.92	68.2	39.99	32.4	6.4	27.51	150	349	P	H
		5458.48	56.67	-17.33	74	45.66	31.93	6.41	27.33	376	141	P	V
		5461.84	61.81	-6.39	68.2	50.78	31.95	6.41	27.33	376	141	P	V
		5457.76	44.15	-9.85	54	33.14	31.93	6.41	27.33	376	141	A	V
	*	5530	100.01	-	-	88.88	32.04	6.43	27.34	376	141	P	V
	*	5530	91.4	-	-	80.27	32.04	6.43	27.34	376	141	A	V
		5764.055	53.88	-14.32	68.2	42.59	32.4	6.4	27.51	376	141	P	V
802.11ac VHT80 CH 122 5610MHz		5455	56.67	-17.33	74	45.67	31.92	6.41	27.33	147	349	P	H
		5470	56.73	-11.47	68.2	45.67	31.98	6.41	27.33	147	349	P	H
		5459.9	45.09	-8.91	54	34.07	31.94	6.41	27.33	147	349	A	H
	*	5610	104.48	-	-	93.45	31.98	6.45	27.4	147	349	P	H
	*	5610	96.28	-	-	85.25	31.98	6.45	27.4	147	349	A	H
		5740.115	56.87	-11.33	68.2	45.59	32.36	6.41	27.49	147	349	P	H
		5458.85	53.97	-20.03	74	42.95	31.94	6.41	27.33	346	140	P	V
		5468.65	56.35	-11.85	68.2	45.3	31.97	6.41	27.33	346	140	P	V
		5459.9	42.99	-11.01	54	31.97	31.94	6.41	27.33	346	140	A	V
	*	5610	102.48	-	-	91.45	31.98	6.45	27.4	346	140	P	V
	*	5610	94.32	-	-	83.29	31.98	6.45	27.4	346	140	A	V
		5727.2	55.15	-13.05	68.2	43.91	32.31	6.41	27.48	346	140	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	48.28	-25.72	74	53.15	40.4	10.5	55.77	100	0	P	H
		16590	46.84	-21.36	68.2	50.13	39.81	12.29	55.39	100	0	P	H
													H
													H
		11060	48.53	-25.47	74	53.4	40.4	10.5	55.77	100	0	P	V
		16590	46.66	-21.54	68.2	49.95	39.81	12.29	55.39	100	0	P	V
													V
													V
802.11ac VHT80 CH 122 5610MHz		11220	47.08	-26.92	74	52.51	39.78	10.56	55.77	100	0	P	H
		16830	47.5	-20.7	68.2	50.2	40.53	12.38	55.61	100	0	P	H
													H
													H
		11220	47.48	-26.52	74	52.91	39.78	10.56	55.77	100	0	P	V
		16830	47.48	-20.72	68.2	50.18	40.53	12.38	55.61	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. 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		5370.28	50.7	-23.3	74	39.95	31.72	6.38	27.35	157	349	P	H
		5467.78	50.02	-18.18	68.2	38.97	31.97	6.41	27.33	157	349	P	H
		5458.81	41.19	-12.81	54	30.17	31.94	6.41	27.33	157	349	A	H
	*	5720	110.11	-	-	98.9	32.28	6.41	27.48	157	349	P	H
	*	5720	102.33	-	-	91.12	32.28	6.41	27.48	157	349	A	H
		5918.25	51.54	-16.66	68.2	39.93	32.74	6.49	27.62	157	349	P	H
		5436.58	50.79	-23.21	74	39.83	31.9	6.4	27.34	395	216	P	V
		5462.71	50.68	-17.52	68.2	39.65	31.95	6.41	27.33	395	216	P	V
		5459.98	41	-13	54	29.98	31.94	6.41	27.33	395	216	A	V
	*	5720	105.89	-	-	94.68	32.28	6.41	27.48	395	216	P	V
	*	5720	97.98	-	-	86.77	32.28	6.41	27.48	395	216	A	V
		5865.5	51.57	-16.63	68.2	40.14	32.56	6.45	27.58	395	216	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. 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	47.47	-26.53	74	52.58	40.02	10.65	55.78	100	0	P	H
		17160	48.45	-19.75	68.2	51.49	40.46	12.56	56.06	100	0	P	H
													H
													H
		11440	47.19	-26.81	74	52.3	40.02	10.65	55.78	100	0	P	V
		17160	48.21	-19.99	68.2	51.25	40.46	12.56	56.06	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT20 CH 144 5720MHz		5456.08	51.1	-22.9	74	40.1	31.92	6.41	27.33	304	350	P	H
		5468.17	50.85	-17.35	68.2	39.8	31.97	6.41	27.33	304	350	P	H
		5459.2	41.32	-12.68	54	30.3	31.94	6.41	27.33	304	350	A	H
	*	5720	109.19	-	-	97.98	32.28	6.41	27.48	304	350	P	H
	*	5720	100.49	-	-	89.28	32.28	6.41	27.48	304	350	A	H
		5903.5	51.59	-16.61	68.2	40.01	32.71	6.48	27.61	304	350	P	H
		5458.81	51.39	-22.61	74	40.37	31.94	6.41	27.33	292	90	P	V
		5467.39	50.2	-18	68.2	39.15	31.97	6.41	27.33	292	90	P	V
		5459.2	41	-13	54	29.98	31.94	6.41	27.33	292	90	A	V
	*	5720	106.97	-	-	95.76	32.28	6.41	27.48	292	90	P	V
	*	5720	99.25	-	-	88.04	32.28	6.41	27.48	292	90	A	V
		5858.25	51.83	-16.37	68.2	40.44	32.53	6.44	27.58	292	90	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 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)
802.11n HT20 CH 144 5720MHz		11440	47.26	-26.74	74	52.37	40.02	10.65	55.78	100	0	P	H
		17160	50.23	-17.97	68.2	53.27	40.46	12.56	56.06	100	0	P	H
													H
													H
		11440	48.1	-25.9	74	53.21	40.02	10.65	55.78	100	0	P	V
		17160	50.34	-17.86	68.2	53.38	40.46	12.56	56.06	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT40 CH 142 5710MHz		5426.05	51.6	-22.4	74	40.64	31.9	6.4	27.34	130	30	P	H
		5467	50.48	-17.72	68.2	39.43	31.97	6.41	27.33	130	30	P	H
		5459.59	41.6	-12.4	54	30.58	31.94	6.41	27.33	130	30	A	H
	*	5720	108.71	-	-	97.5	32.28	6.41	27.48	130	30	P	H
	*	5720	100.89	-	-	89.68	32.28	6.41	27.48	130	30	A	H
		5885.75	52.13	-16.07	68.2	40.63	32.64	6.46	27.6	130	30	P	H
		5448.67	51.18	-22.82	74	40.21	31.9	6.4	27.33	371	151	P	V
		5466.61	50.64	-17.56	68.2	39.59	31.97	6.41	27.33	371	151	P	V
		5459.98	41.39	-12.61	54	30.37	31.94	6.41	27.33	371	151	A	V
	*	5710	106.8	-	-	95.61	32.24	6.42	27.47	371	151	P	V
	*	5710	99.2	-	-	88.01	32.24	6.42	27.47	371	151	A	V
		5883.5	51.7	-16.5	68.2	40.21	32.63	6.46	27.6	371	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 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 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)
802.11n HT40 CH 142 5710MHz		11420	48.57	-25.43	74	53.74	39.96	10.65	55.78	100	0	P	H
		17130	48.97	-19.23	68.2	52.02	40.43	12.53	56.01	100	0	P	H
													H
													H
		11420	47.38	-26.62	74	52.55	39.96	10.65	55.78	100	0	P	V
		17130	48.03	-20.17	68.2	51.08	40.43	12.53	56.01	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5447.5	51.14	-22.86	74	40.17	31.9	6.4	27.33	186	352	P	H
		5467.39	50.94	-17.26	68.2	39.89	31.97	6.41	27.33	186	352	P	H
		5459.98	41.95	-12.05	54	30.93	31.94	6.41	27.33	186	352	A	H
	*	5690	104.55	-	-	93.45	32.14	6.42	27.46	186	352	P	H
	*	5690	96.61	-	-	85.51	32.14	6.42	27.46	186	352	A	H
		5851.6	53.38	-14.82	68.2	42.01	32.51	6.43	27.57	186	352	P	H
		5458.81	50.89	-23.11	74	39.87	31.94	6.41	27.33	182	157	P	V
		5464.27	50.17	-18.03	68.2	39.13	31.96	6.41	27.33	182	157	P	V
		5459.98	41.51	-12.49	54	30.49	31.94	6.41	27.33	182	157	A	V
	*	5690	103.24	-	-	92.14	32.14	6.42	27.46	182	157	P	V
	*	5690	94.91	-	-	83.81	32.14	6.42	27.46	182	157	A	V
		5892.7	52.8	-15.4	68.2	41.26	32.67	6.47	27.6	182	157	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	47.37	-26.63	74	52.66	39.86	10.63	55.78	100	0	P	H
		17070	48.16	-20.04	68.2	51.14	40.43	12.49	55.9	100	0	P	H
													H
													H
		11380	46.65	-27.35	74	51.94	39.86	10.63	55.78	100	0	P	V
		17070	48.45	-19.75	68.2	51.43	40.43	12.49	55.9	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 802.11a (LF @ 3m)**

WIFI Ant. 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 LF		105.66	28.58	-14.92	43.5	43.03	16.52	1.26	32.23	-	-	P	H
		157.07	32.43	-11.07	43.5	46.56	16.67	1.45	32.25	-	-	P	H
		202.66	28.36	-15.14	43.5	44.03	15	1.59	32.26	-	-	P	H
		279.29	28.42	-17.58	46	39.75	18.76	1.85	31.94	-	-	P	H
		856.44	31.17	-14.83	46	30.61	28.82	2.91	31.17	-	-	P	H
		954.41	32.78	-13.22	46	30.15	30.51	2.89	30.77	100	0	P	H
													H
													H
													H
													H
													H
													H
		31.94	30.59	-9.41	40	37.15	23.36	2.31	32.23	100	0	P	V
		104.69	26.67	-16.83	43.5	41.16	16.49	1.25	32.23	-	-	P	V
		115.36	25.71	-17.79	43.5	39.32	17.28	1.35	32.24	-	-	P	V
		159.98	32.71	-10.79	43.5	47.03	16.48	1.45	32.25	-	-	P	V
		877.78	31.76	-14.24	46	31.17	28.75	2.95	31.11	-	-	P	V
		954.41	32.6	-13.4	46	29.97	30.51	2.89	30.77	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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

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

WIFI Ant. 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)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01 2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



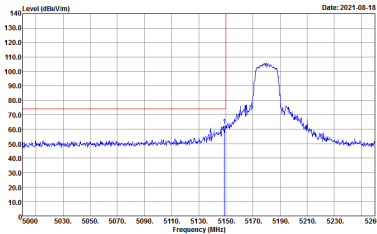
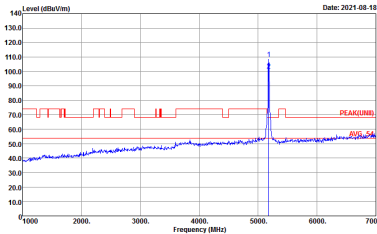
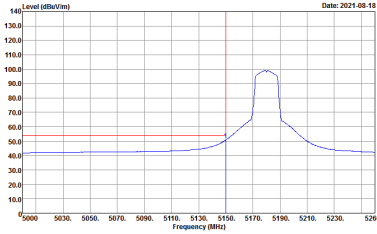
Appendix D. Radiated Spurious Emission Plots

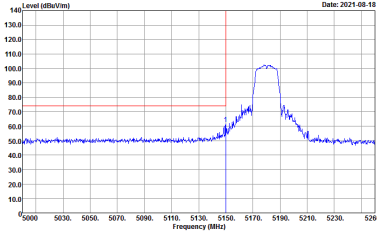
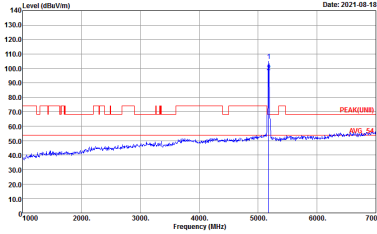
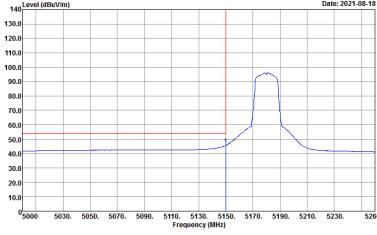
Test Engineer :	Yuan Lee, Jacky Hong, and Wilson Wu	Temperature :	20~25°C
		Relative Humidity :	50~60%

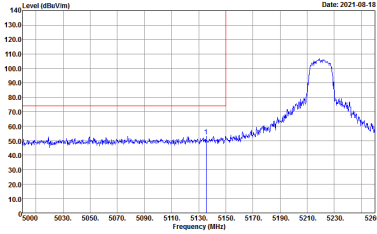
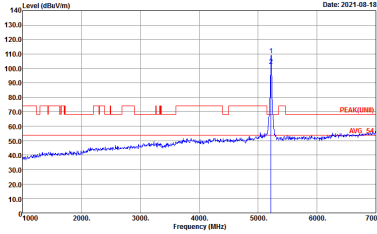
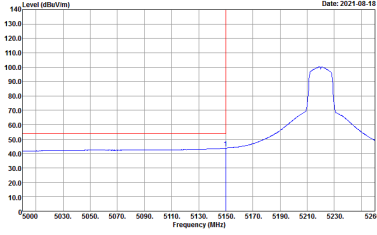
Note symbol

-L	Low channel location
-R	High channel location

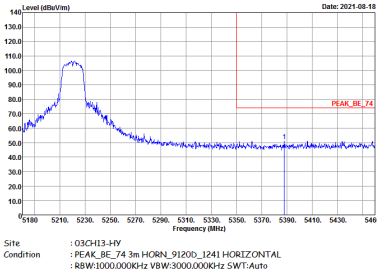
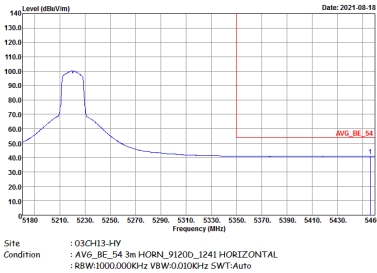
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

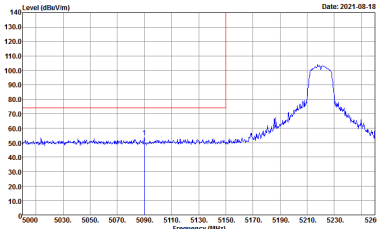
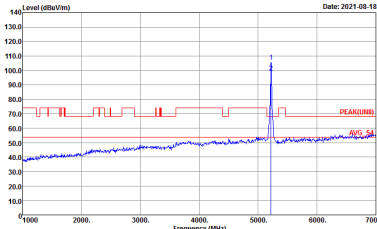
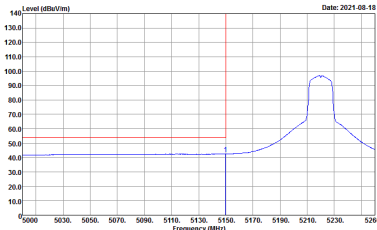
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

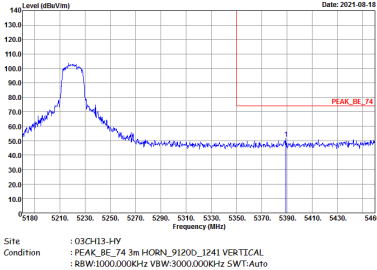
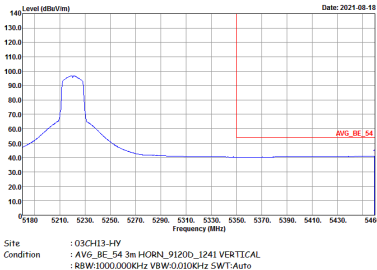
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

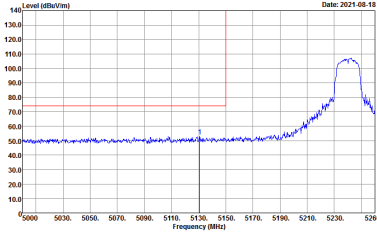
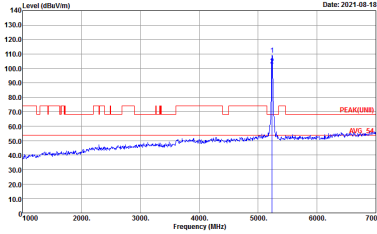
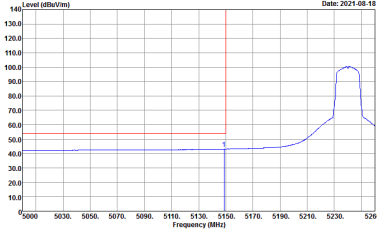
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

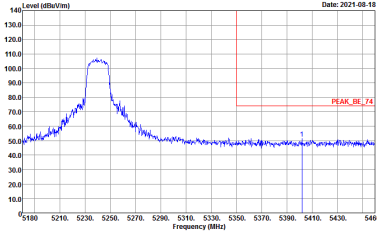
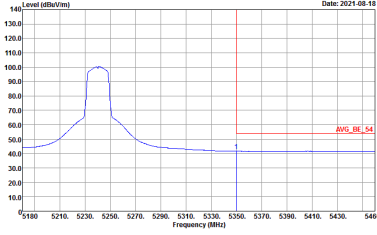


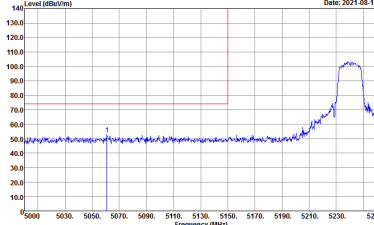
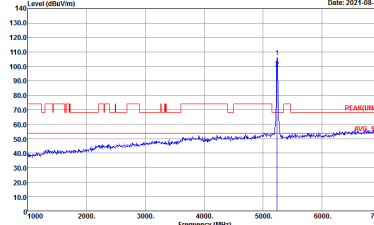
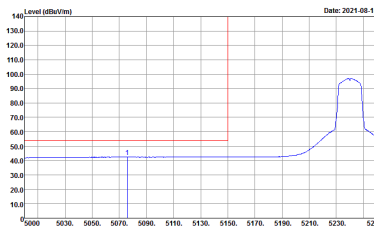
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

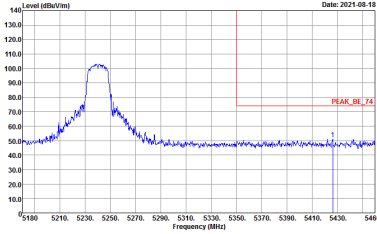
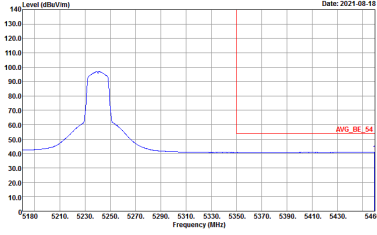
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz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

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

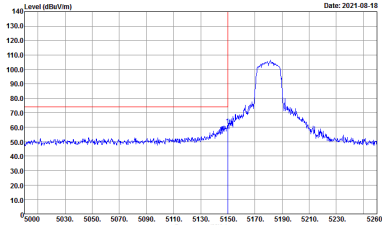
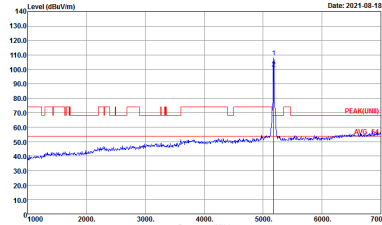
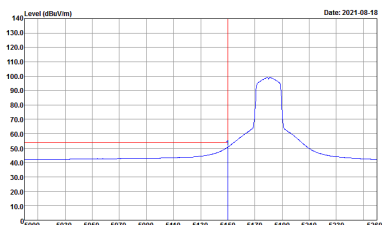
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

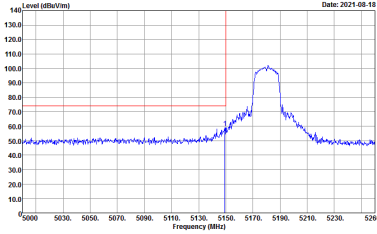
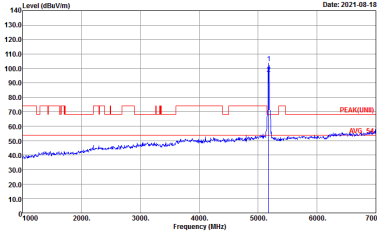
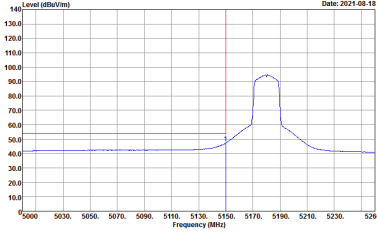
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

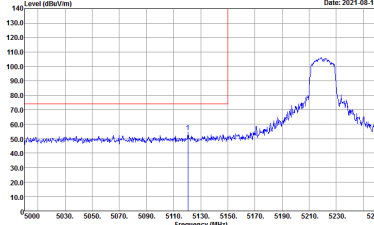
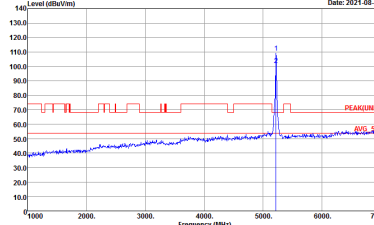
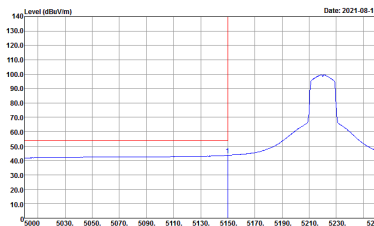
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

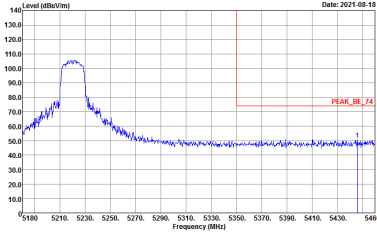
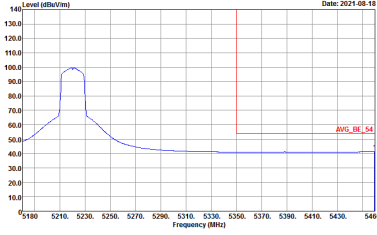
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

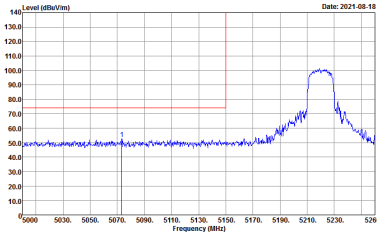
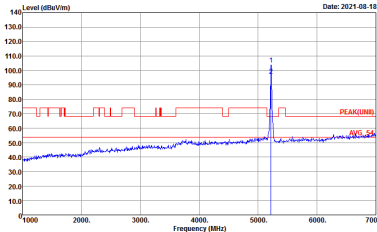
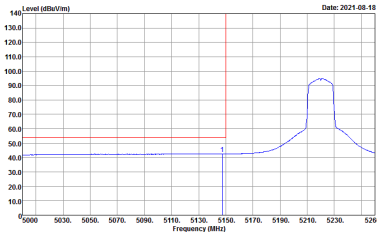
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

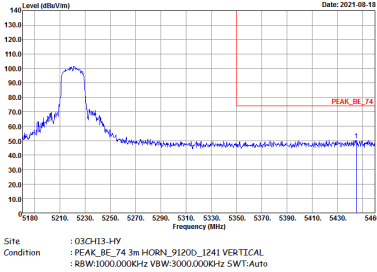
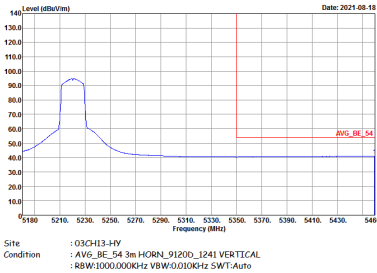
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

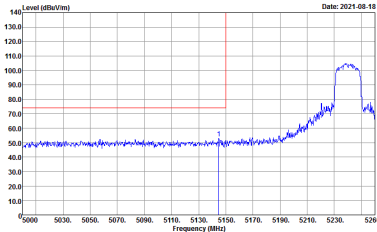
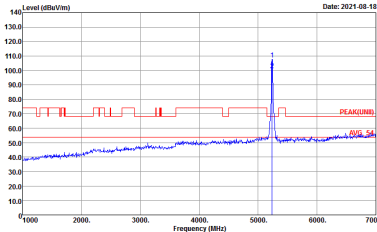
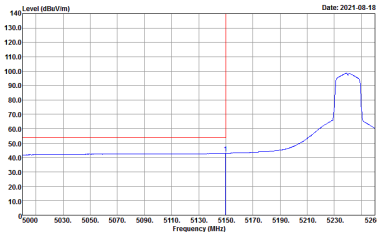
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

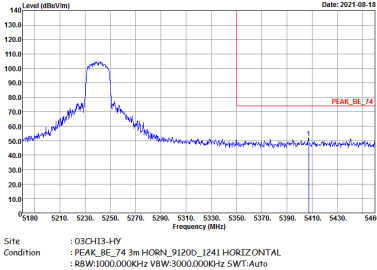
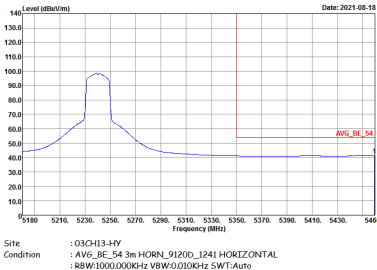


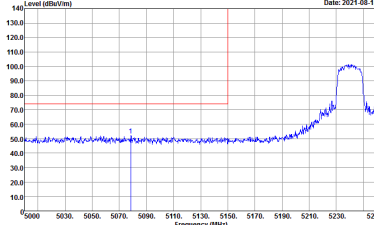
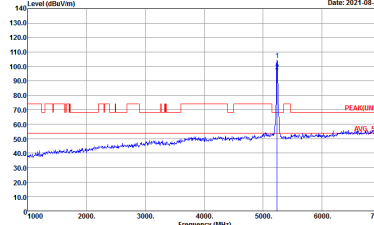
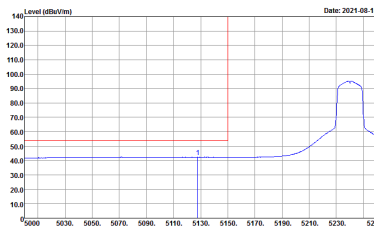
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

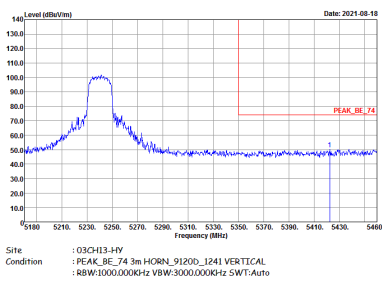
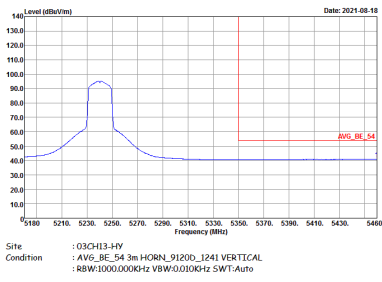
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



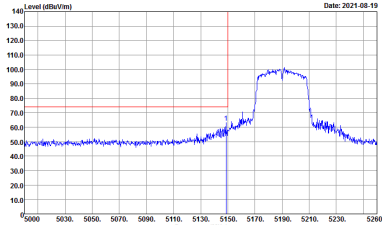
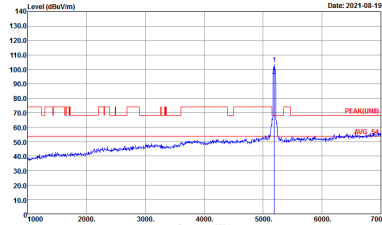
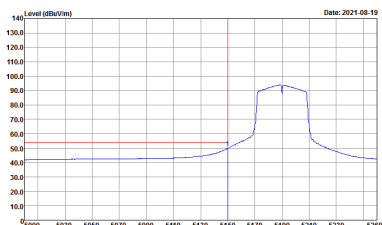
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

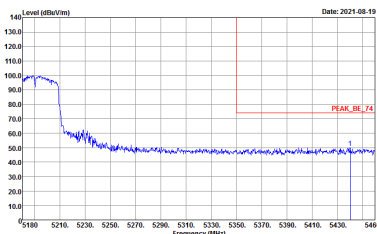
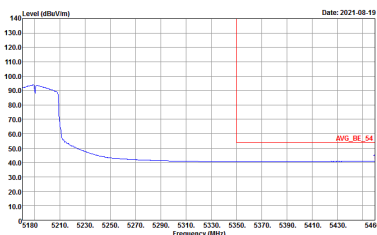
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

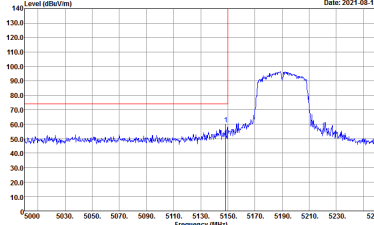
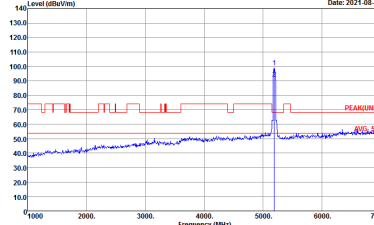
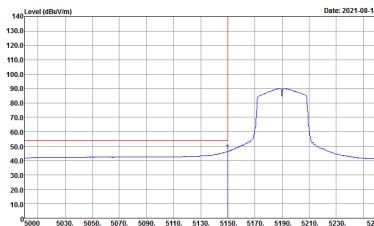
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

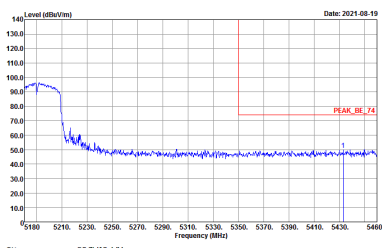
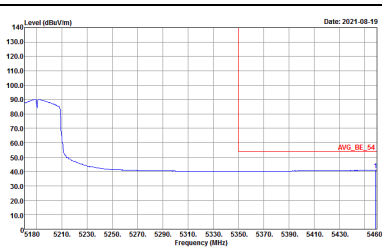
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
2	Vertical	Fundamental
Peak	 Site Condition : 03CH13-HV : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site Condition : 03CH13-HV : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

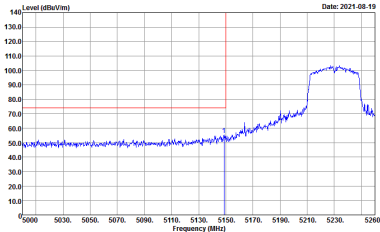
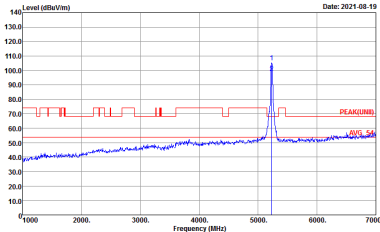
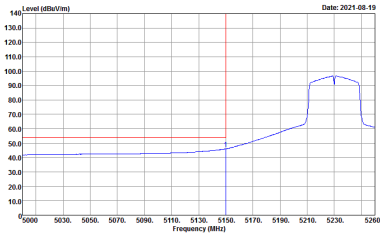
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

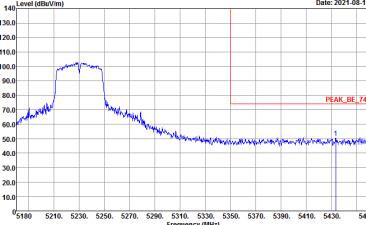
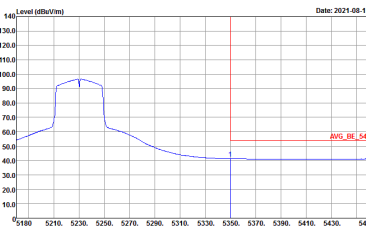
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

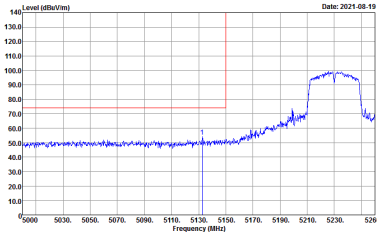
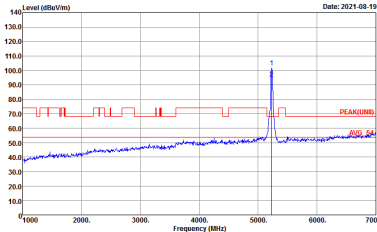
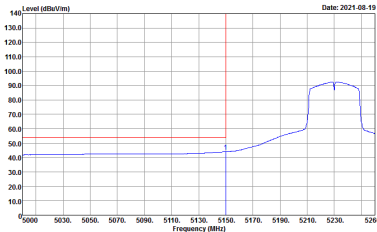
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



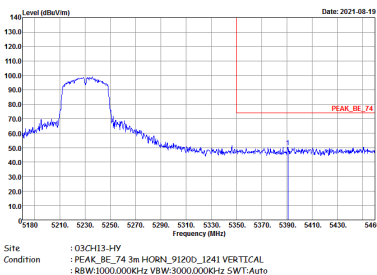
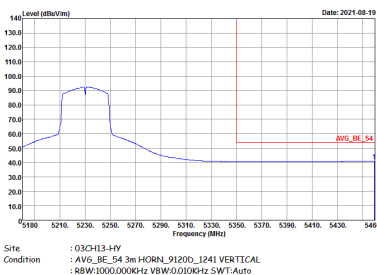
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

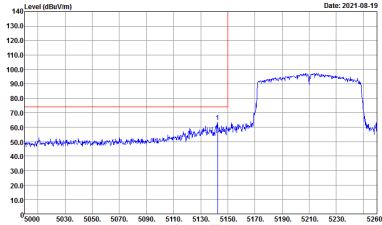
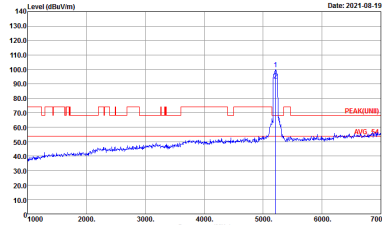
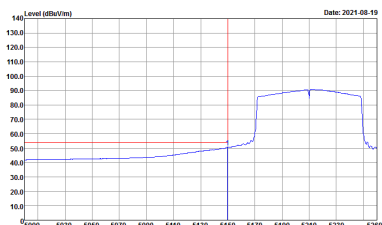


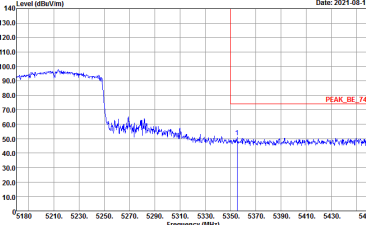
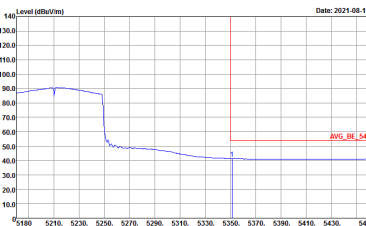
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

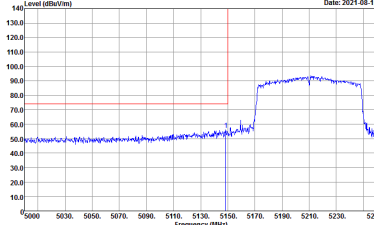
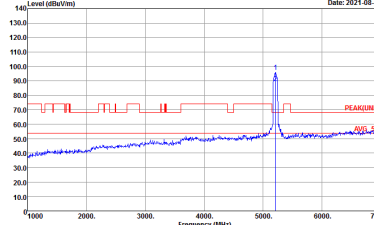
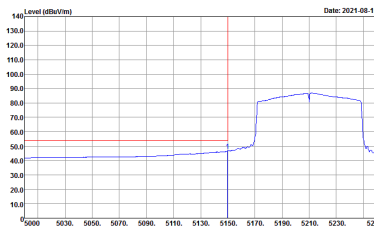


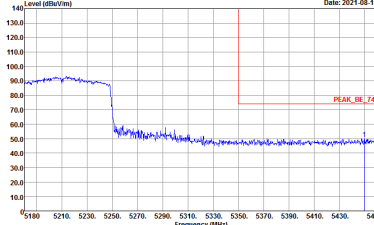
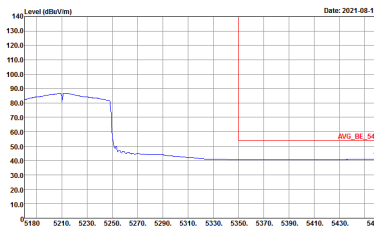
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
2	Vertical	Fundamental
Peak	 Site Condition : 03CH13-HV : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site Condition : 03CH13-HV : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

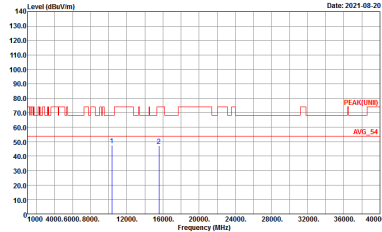
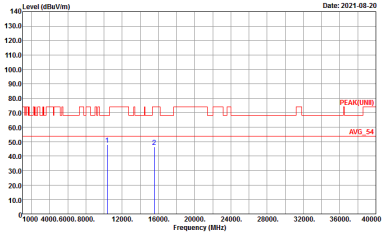
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

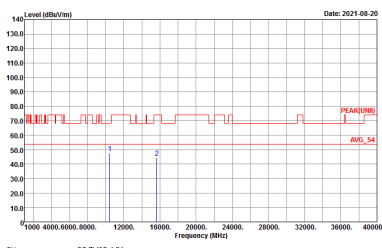
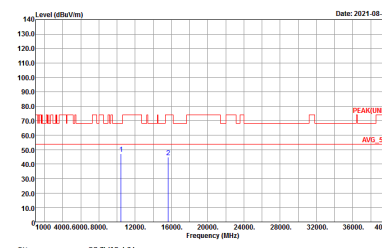
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

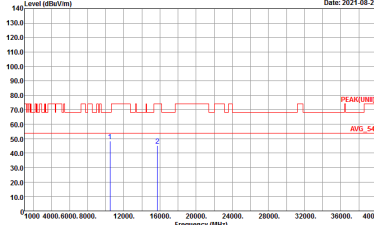
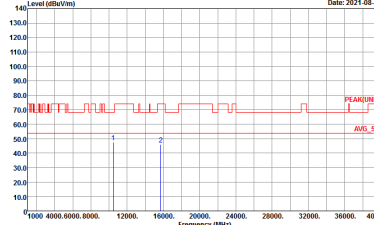
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

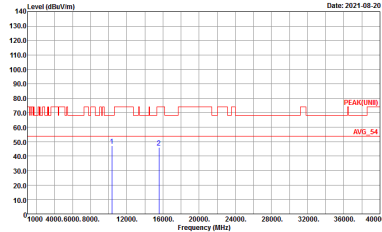
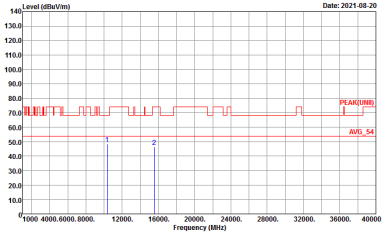
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

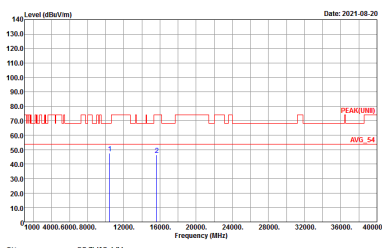
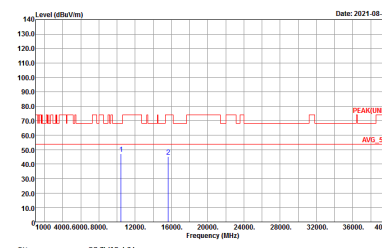
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

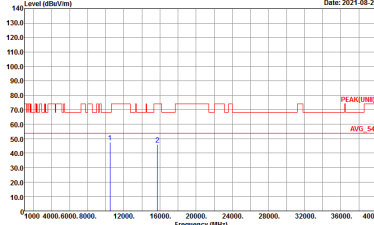
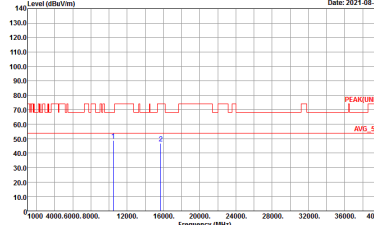
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

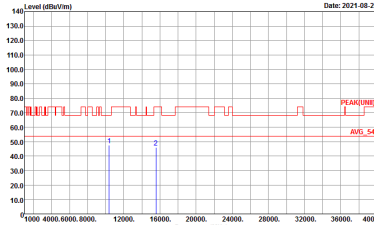
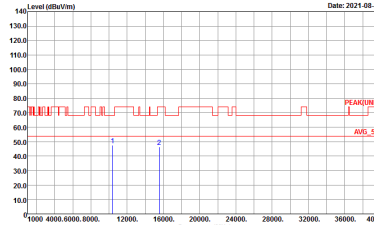
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

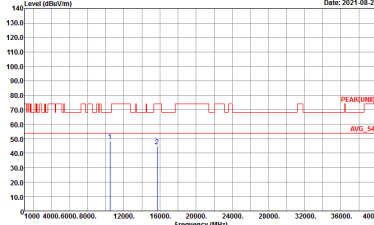
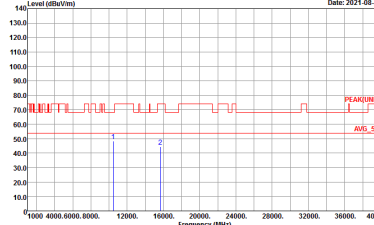
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

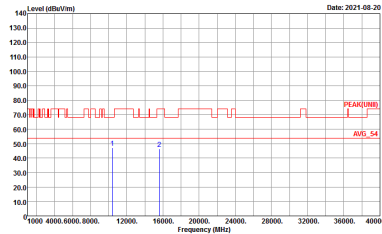
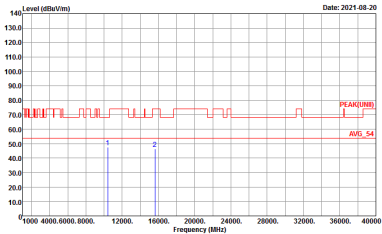
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

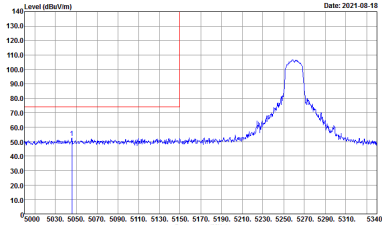
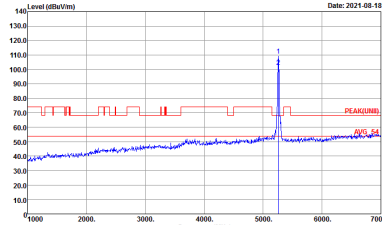
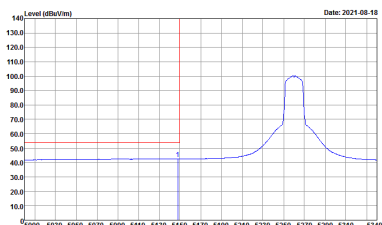
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

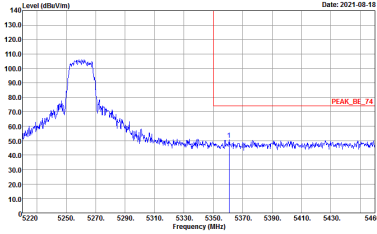
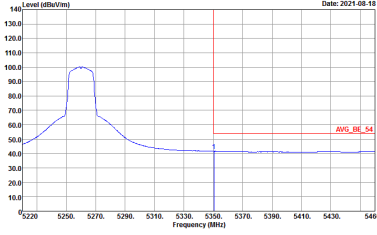


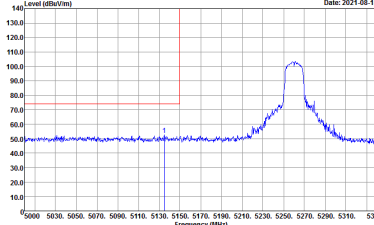
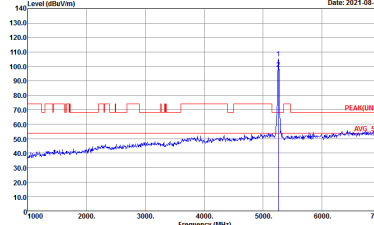
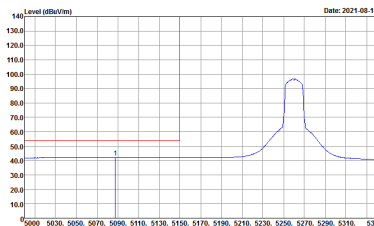
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

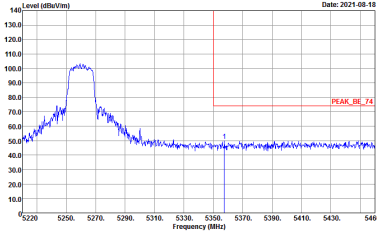
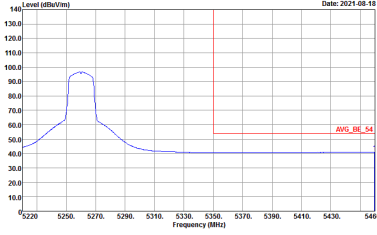
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

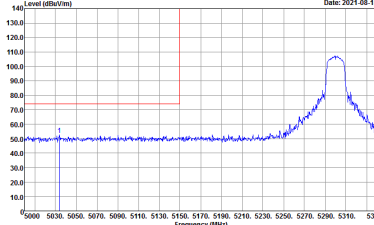
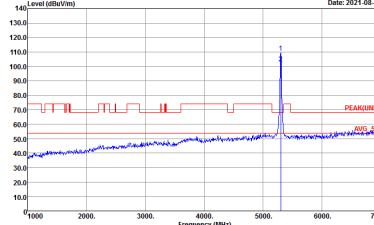
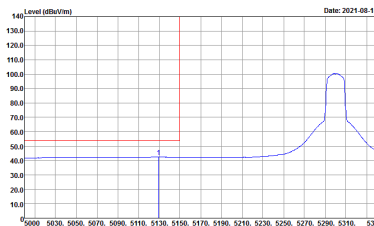
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

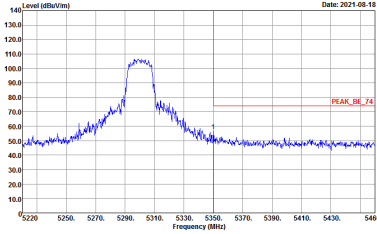
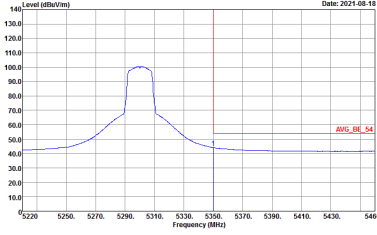
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

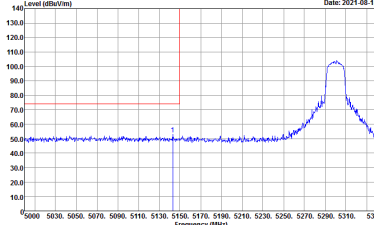
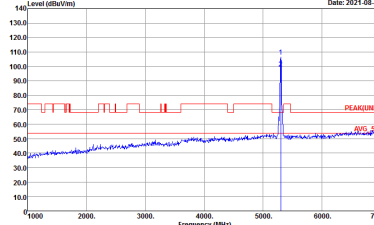
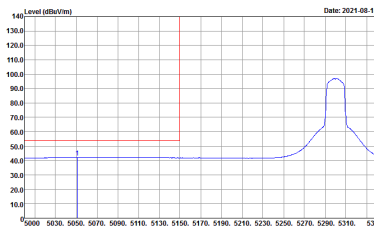
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

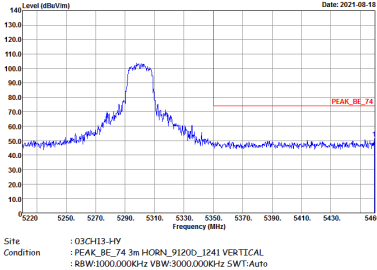
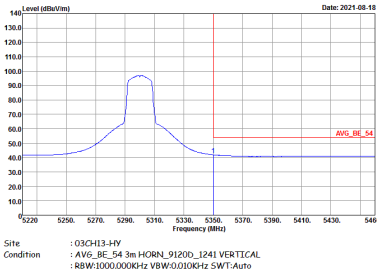
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz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

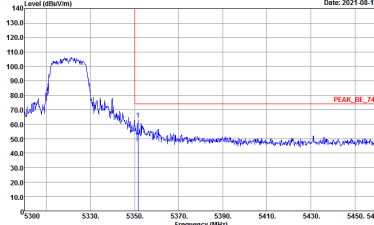
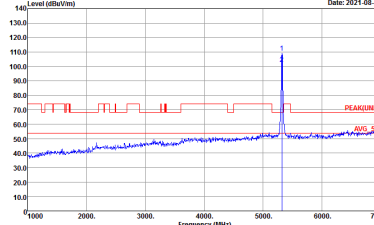
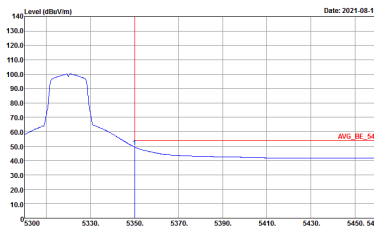
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

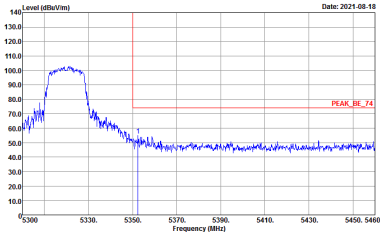
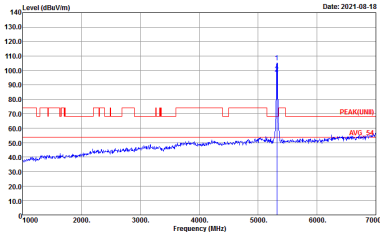
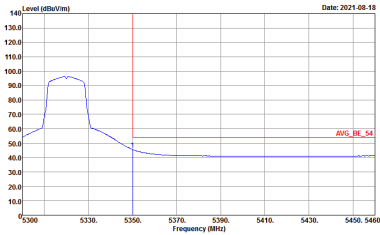
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

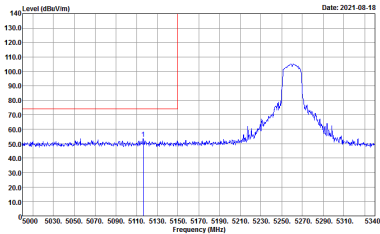
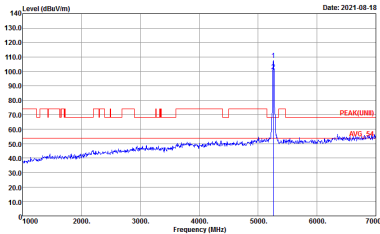
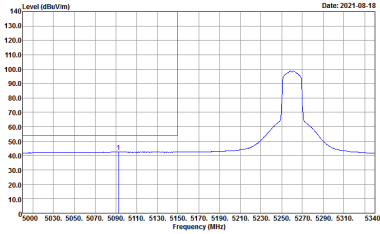
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

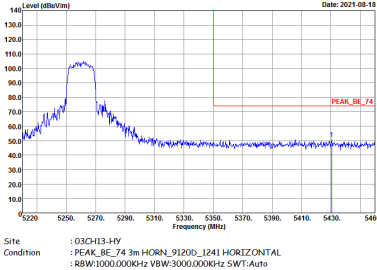
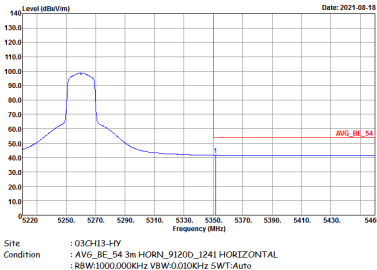
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

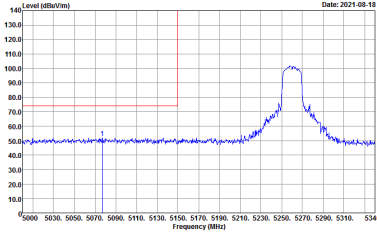
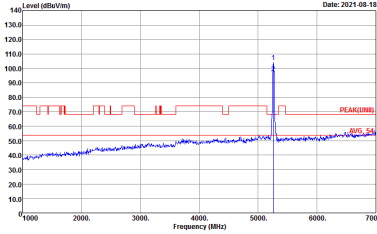
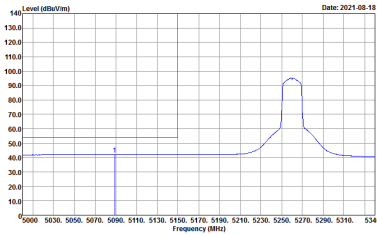


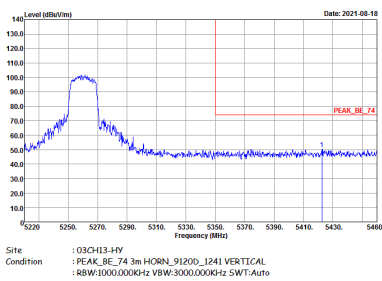
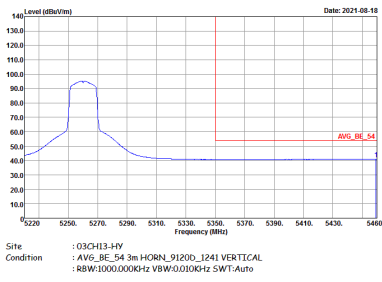
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT)_85 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

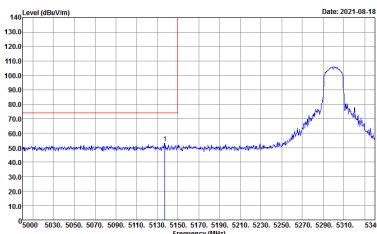
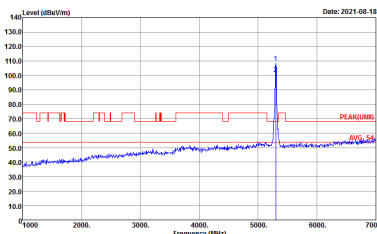
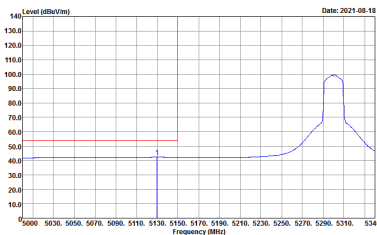
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

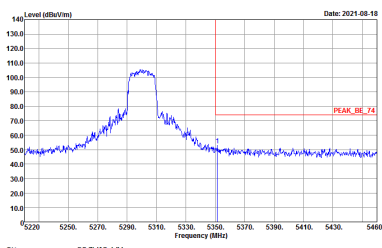
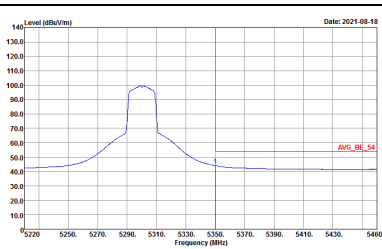
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

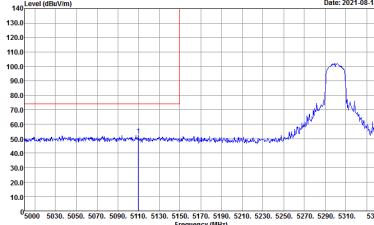
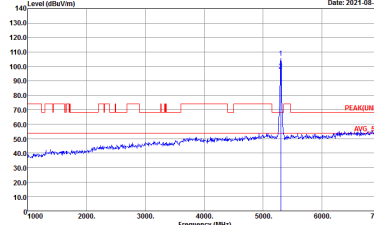
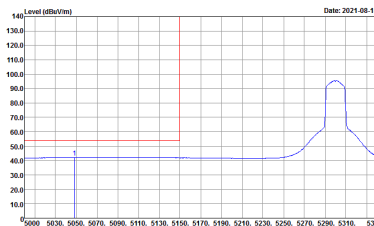
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

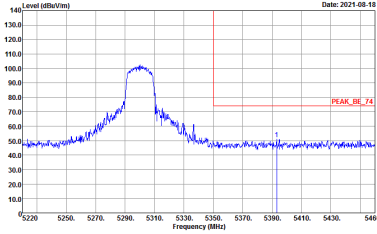
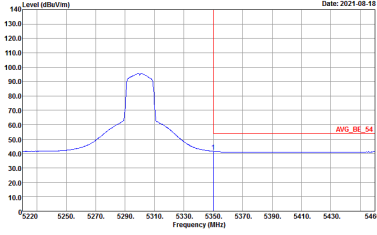
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

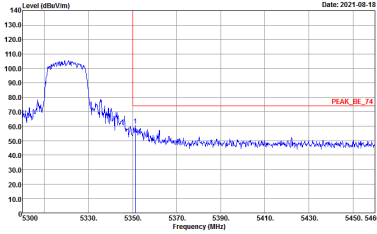
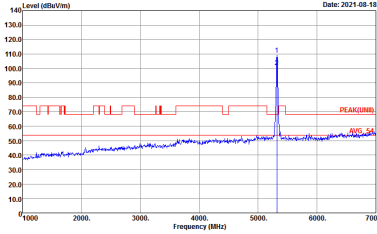
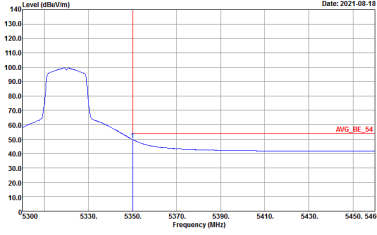
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

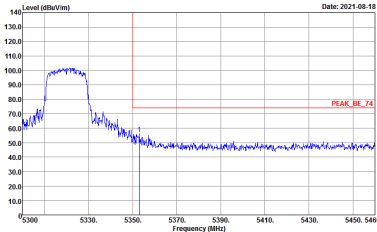
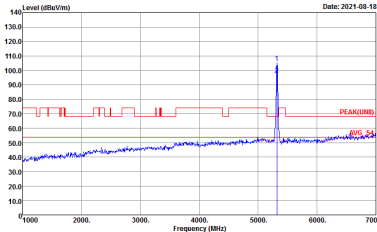
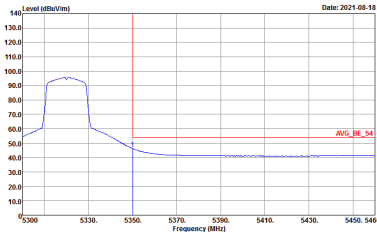
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
2	Horizontal	Vertical
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

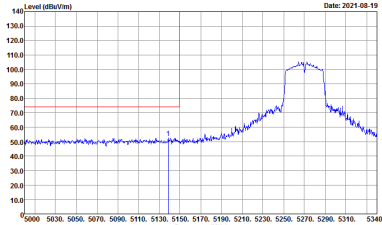
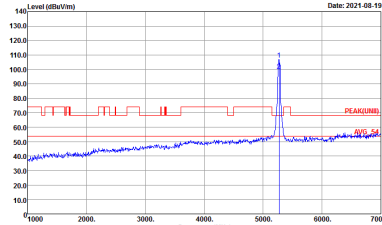
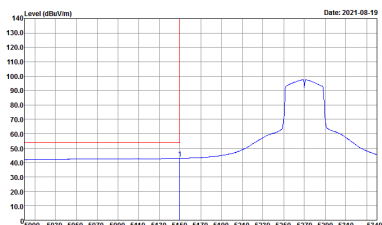
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

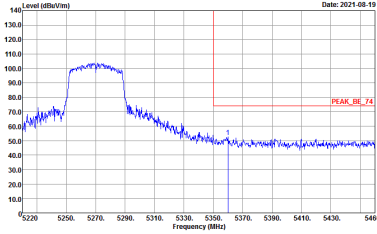
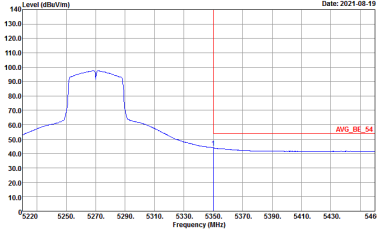
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

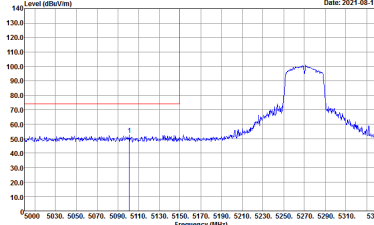
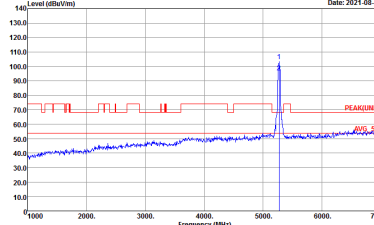
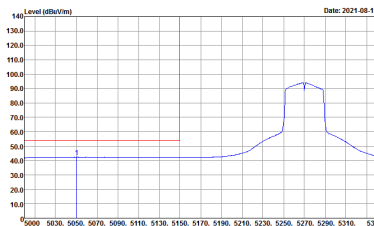


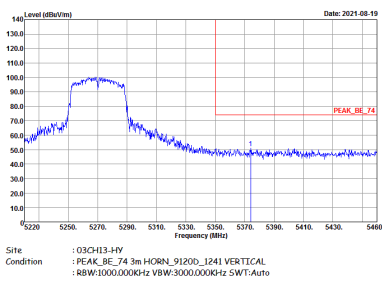
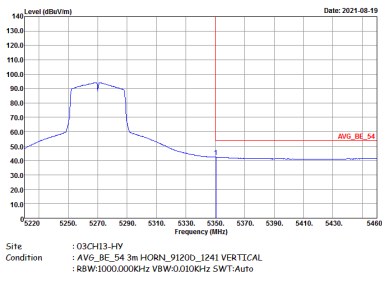
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

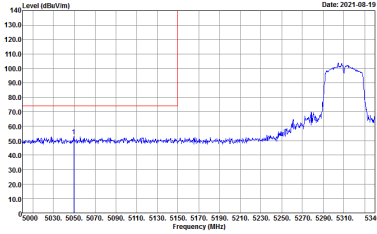
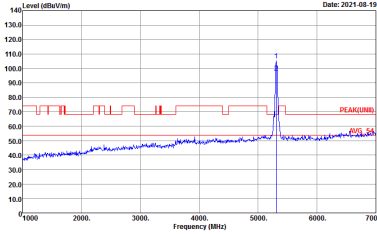
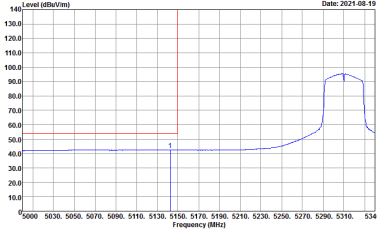
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

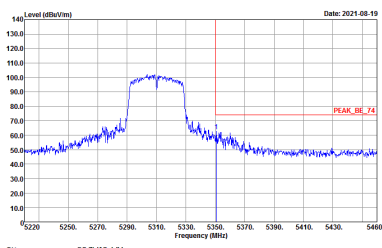
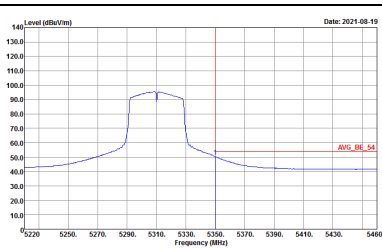
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

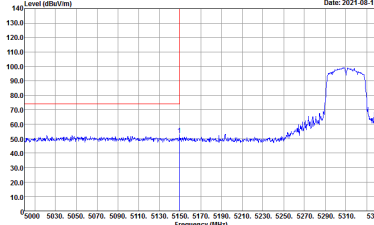
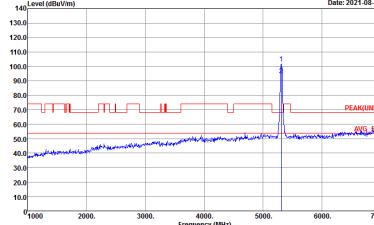
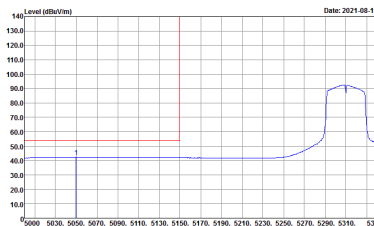
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

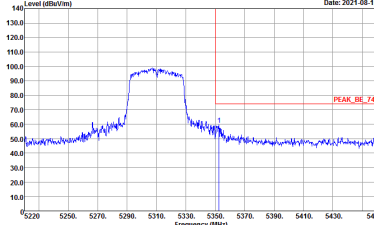
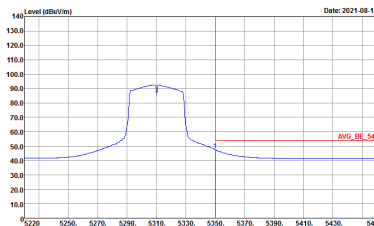
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
2	Vertical	Vertical
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
2	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

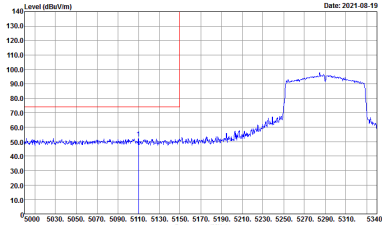
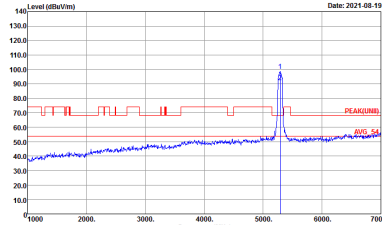
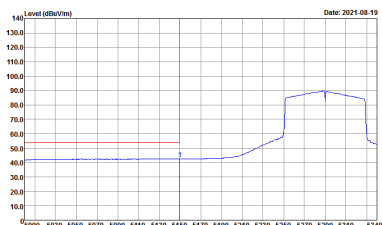
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

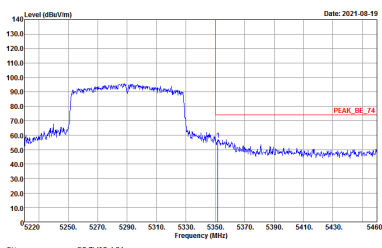
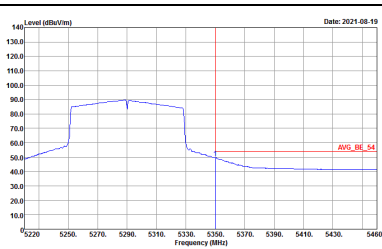
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

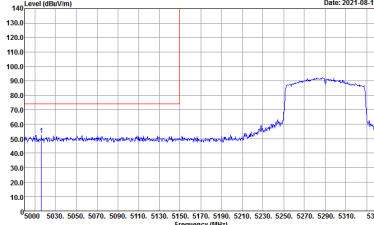
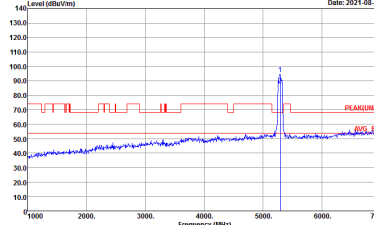
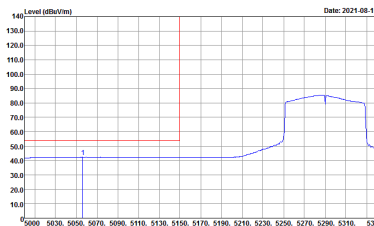
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

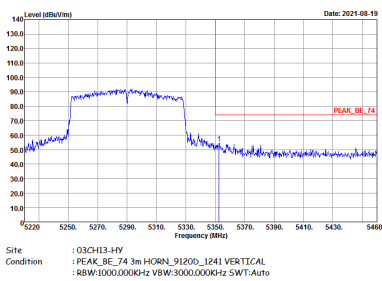
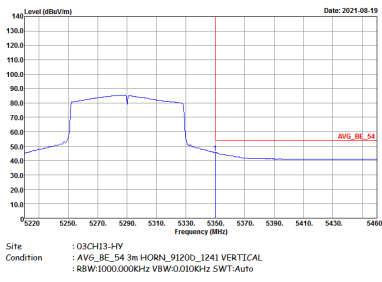
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

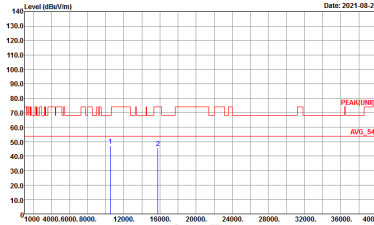
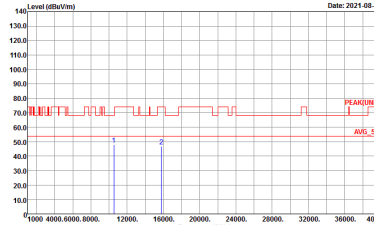
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

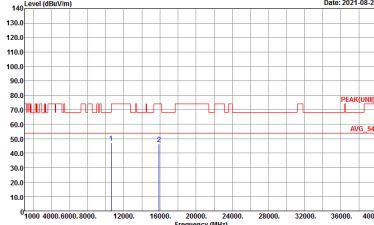
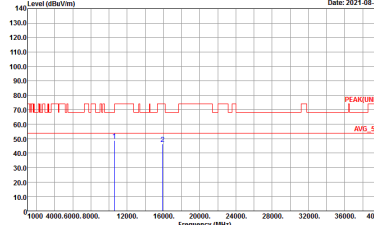
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

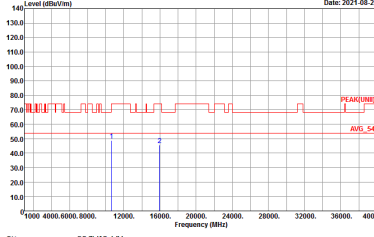
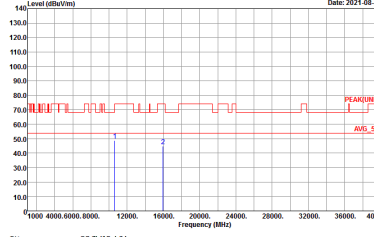
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

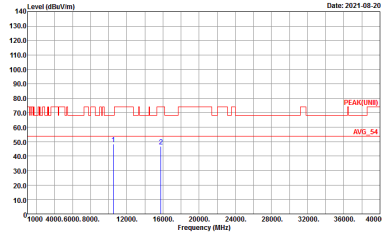
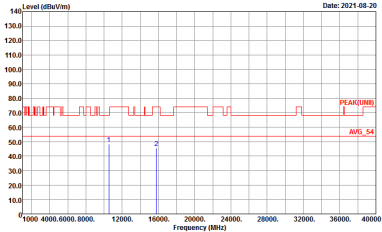
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

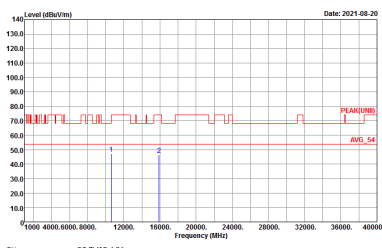
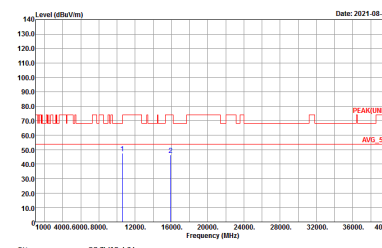
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

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

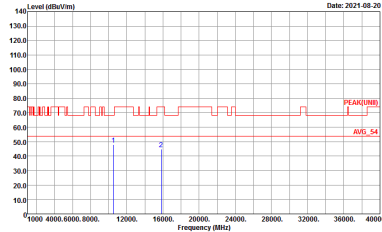
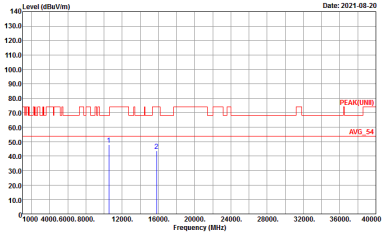
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

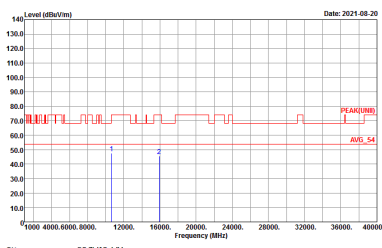
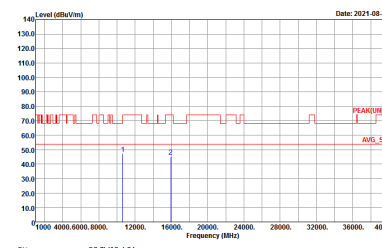
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-08-20 Frequency (MHz) Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-08-20 Frequency (MHz) Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

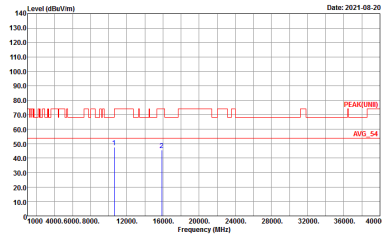
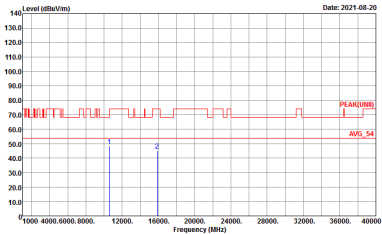
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270 MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

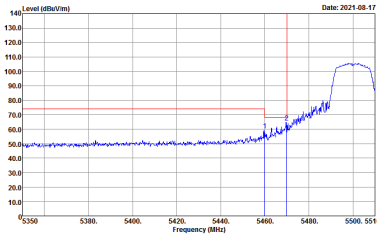
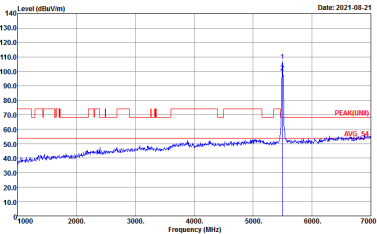
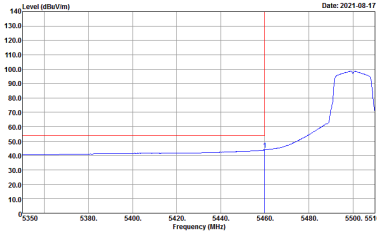
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310 MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak



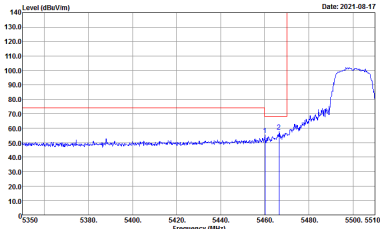
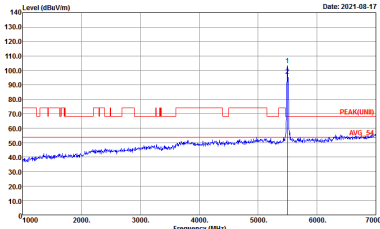
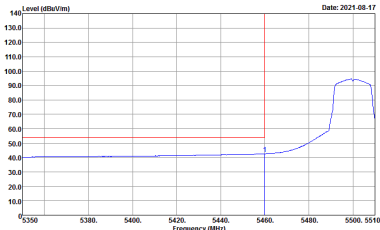
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

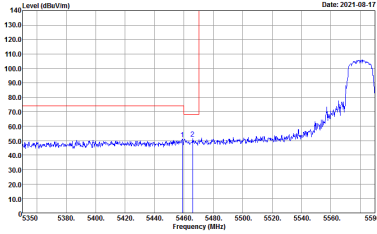
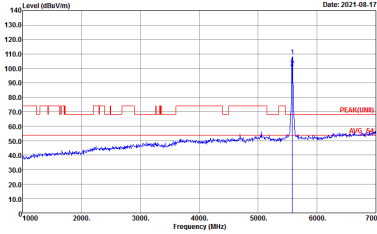
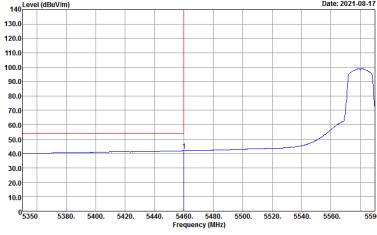
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

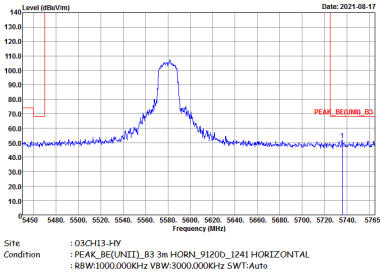


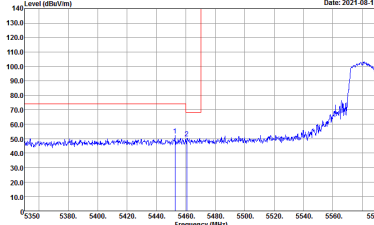
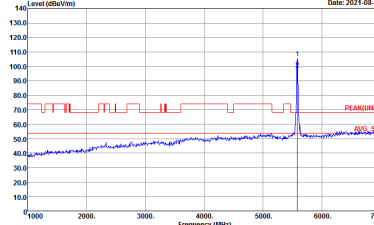
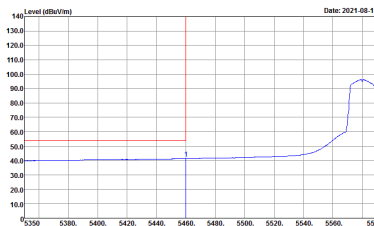
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



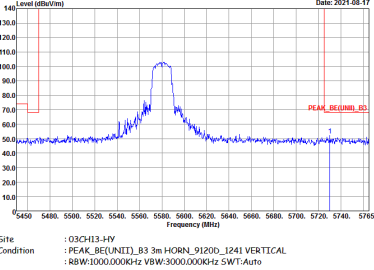
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

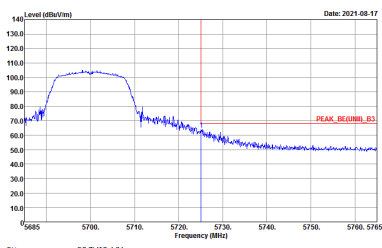
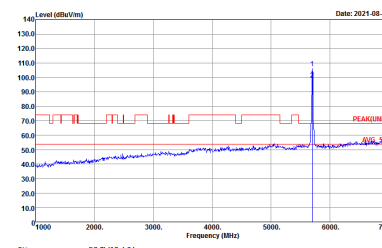


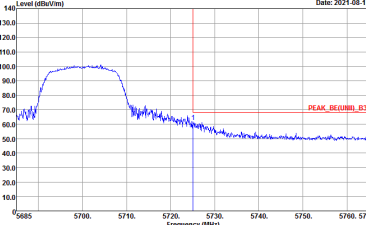
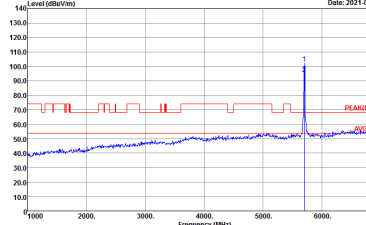
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

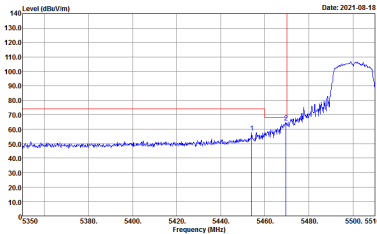
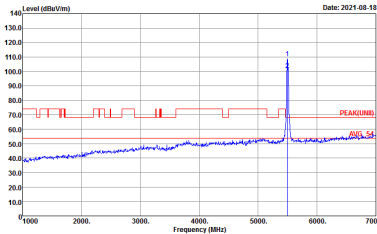
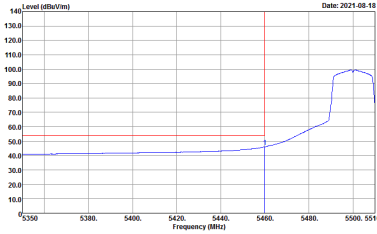


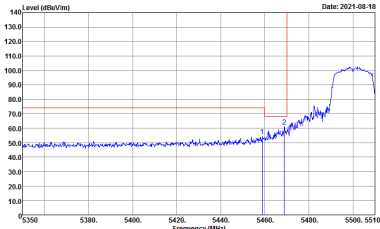
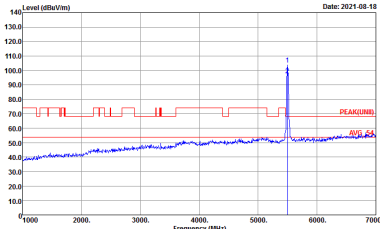
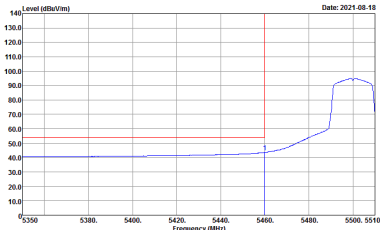
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Vertical	Fundamental
Peak	 Site: 100CH113-19V Condition: : PEAK_BE[UNIT], B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-17	Left blank

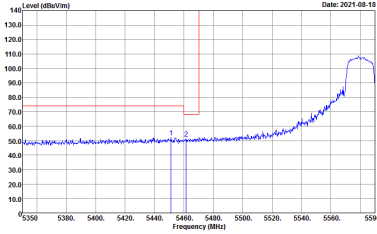
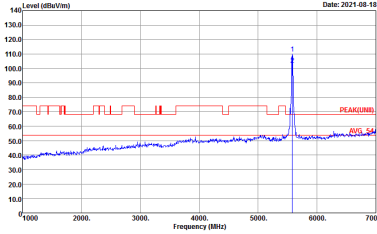
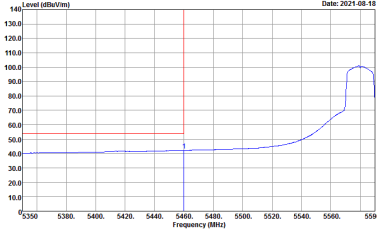
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-14Y Condition : PEAK_BE[UNIT], B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-14Y Condition : PEAK[UNIT] 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-14Y Condition : PEAK_BE[UNIT], B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-14Y Condition : PEAK[UNIT] 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

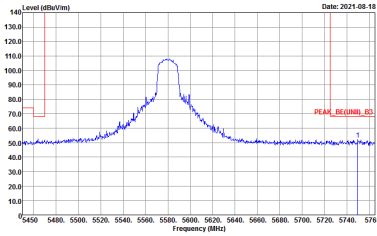
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

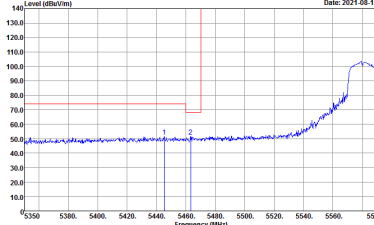
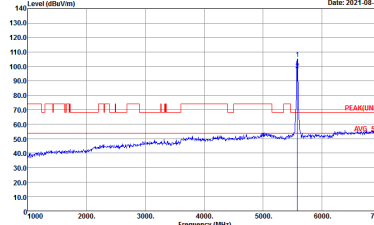
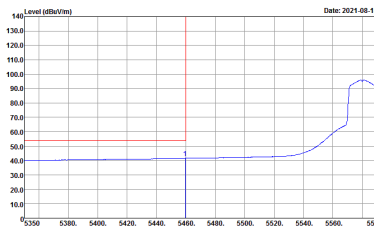
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

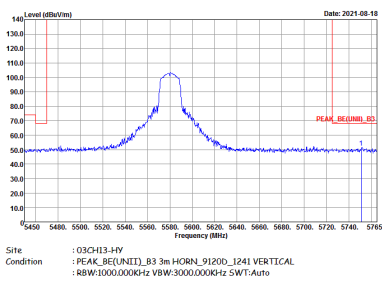
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

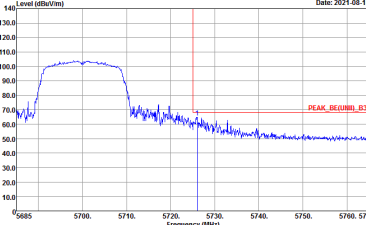
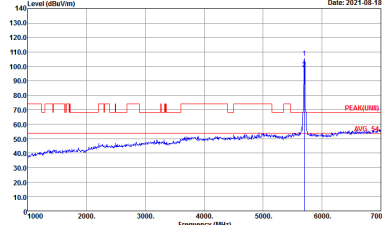


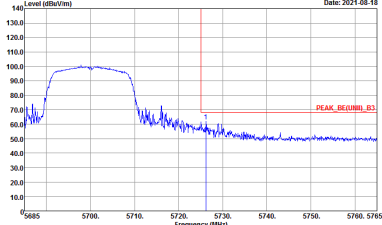
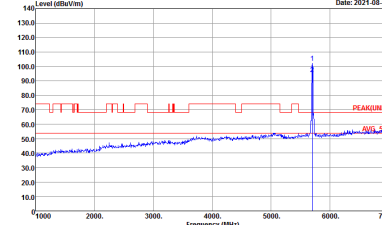
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
2	Horizontal	Fundamental
Peak	 Site: 100CH116-RV Condition: : PEAK_BE[UNIT], B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-18	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

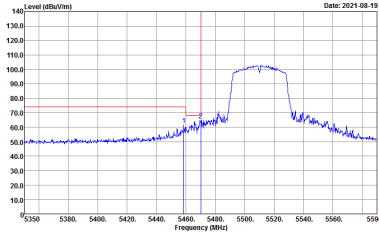
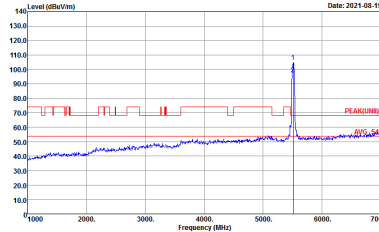
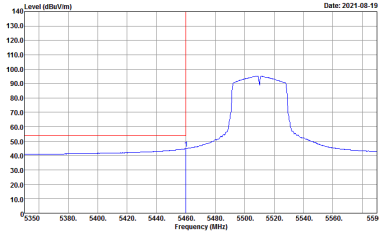


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
2	Vertical	Fundamental
Peak	 Site: 100CH113-19V Condition: : PEAK_85[UNIT], B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-18	Left blank

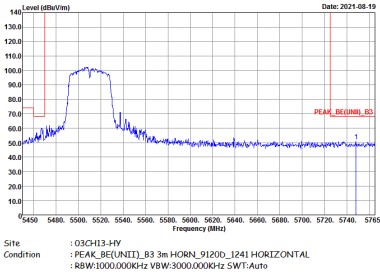
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-14Y Condition : PEAK_8E[UNIT], B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-14Y Condition : PEAK[UNIT] 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

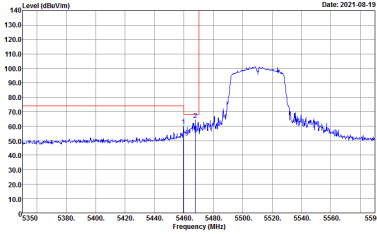
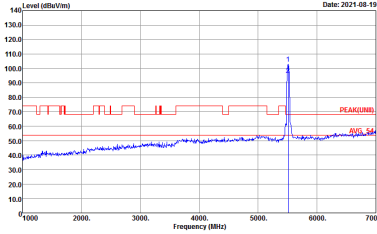
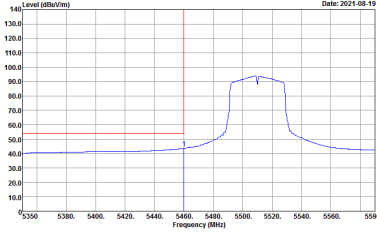
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Vertical	Fundamental
Peak.	 Site : 03CH13-14Y Condition : PEAK_BE[UNIT], B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-14Y Condition : PEAK[UNIT] 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

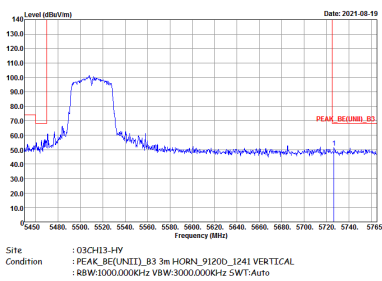
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

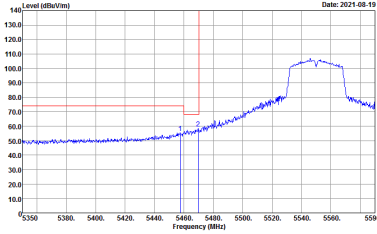
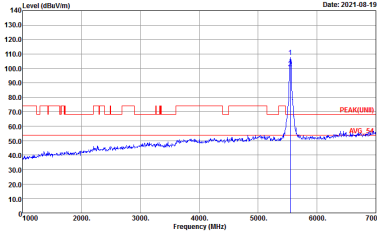
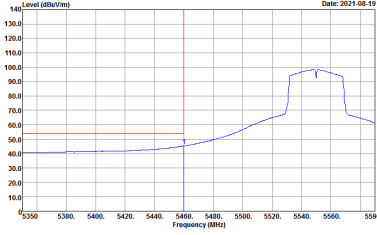
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

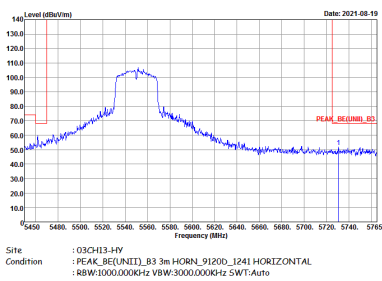


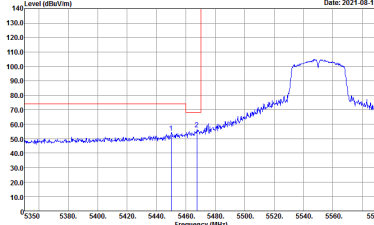
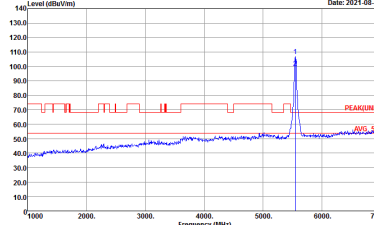
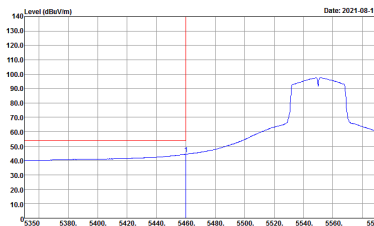
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

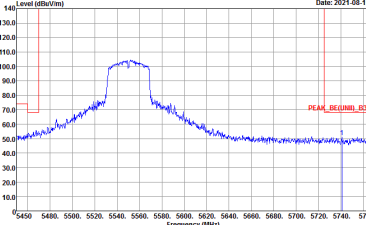
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
2	Vertical	Fundamental
Peak	 Site: 100CH13-1V Condition: : PEAK_BE[UNIT], B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-19	Left blank

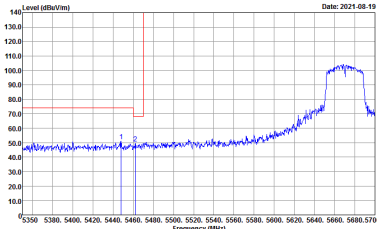
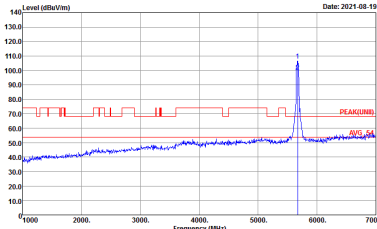
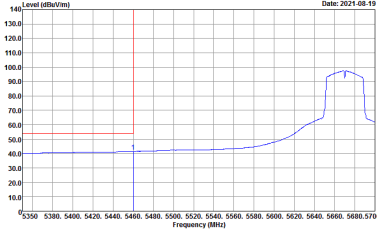
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

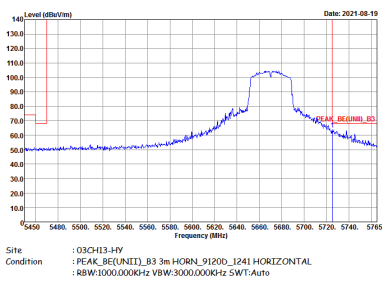
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
2	Horizontal	Fundamental
Peak		Left blank

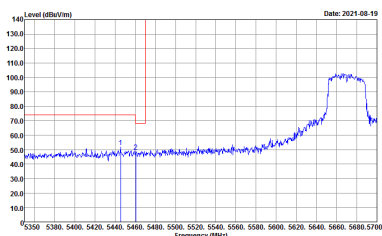
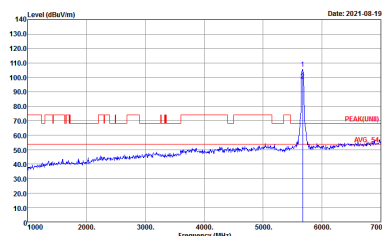
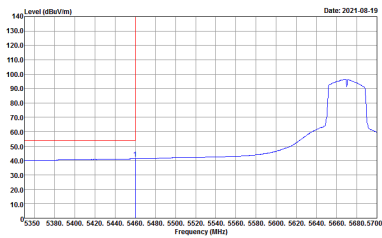
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



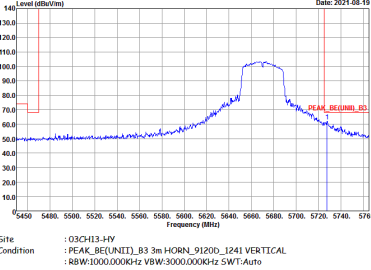
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
2	Vertical	Fundamental
Peak	 Site: 100CH113-1V Condition: :PEAK_BE[UNIT],B3 3m HORN_9120D_1241 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-19	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

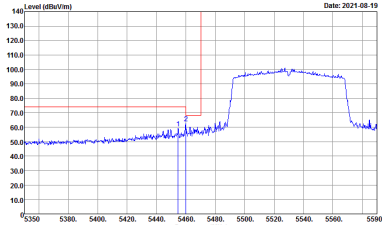
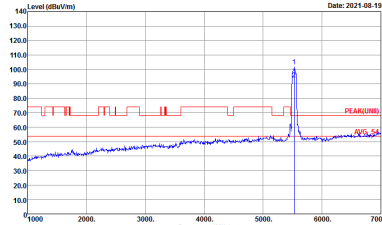
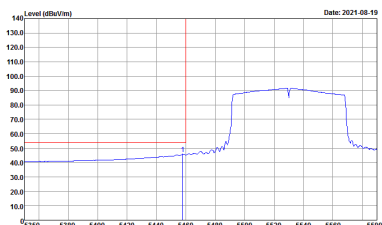
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
2	Horizontal	Fundamental
Peak	 Site: 100CH13-RV Condition: : PEAK_06(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-19	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

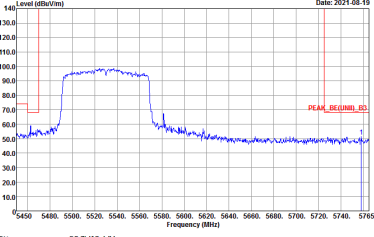


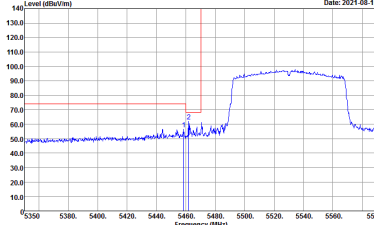
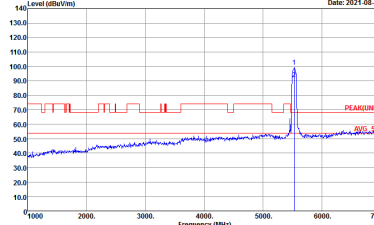
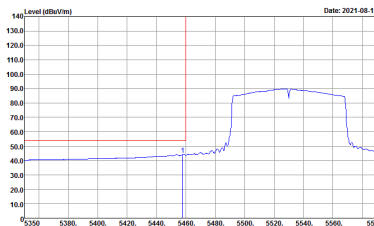
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
2	Vertical	Fundamental
Peak	 Site: 100CH13-RV Condition: :PEAK_BE[UNIT],B3 3m HORN_9120D_1241 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-19	Left blank

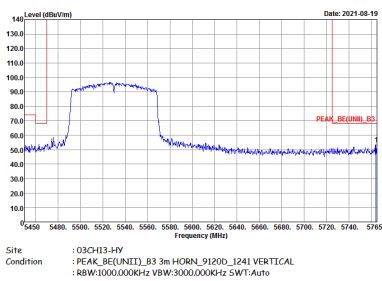
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

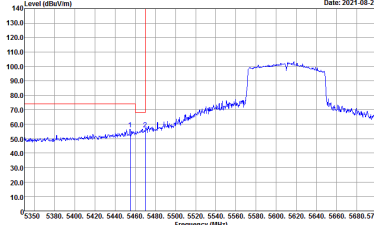
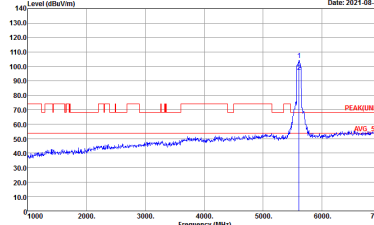
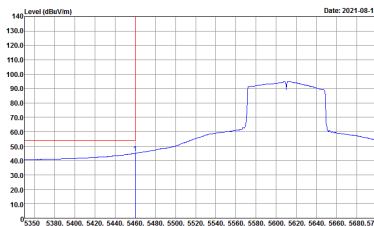
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

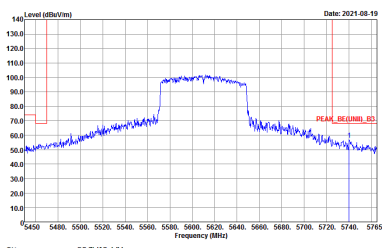


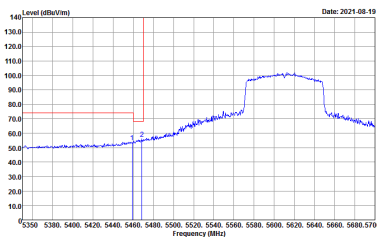
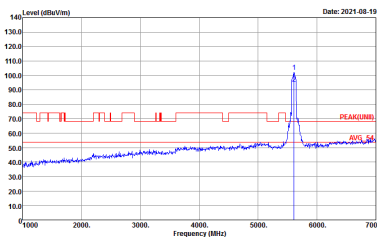
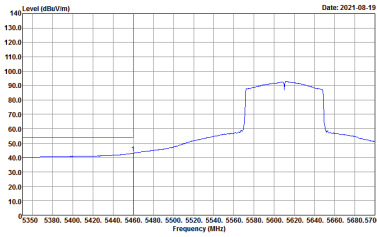
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-19 Condition : PEAK_BE[UNIT], B3 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-19	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

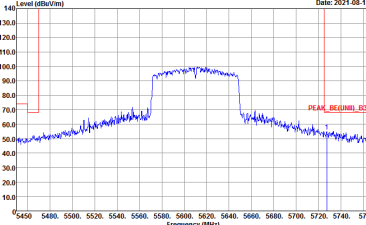
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
2	Vertical	Fundamental
Peak	 Site: 100CH113-1V Condition: : PEAK_BE([UNIT]), B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-19	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-19 Condition : PEAK_BE[UNIT], B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

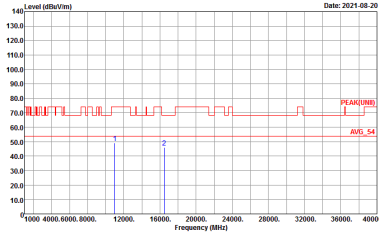
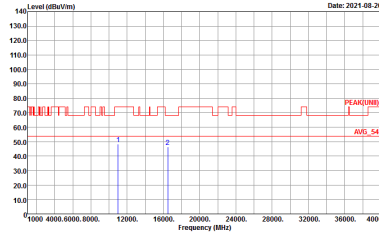
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

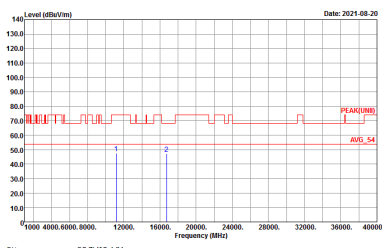
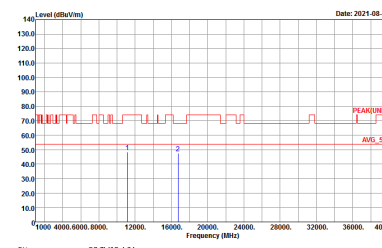


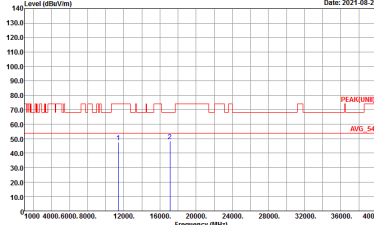
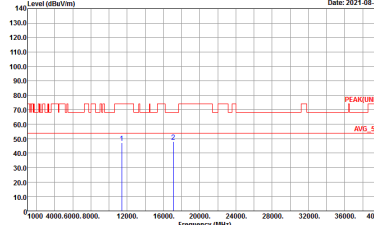
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
2	Vertical	Fundamental
Peak	 Site: 100CH13-19V Condition: :PEAK_BE[UNIT],B3 3m HORN_9120D_1241 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-19	Left blank



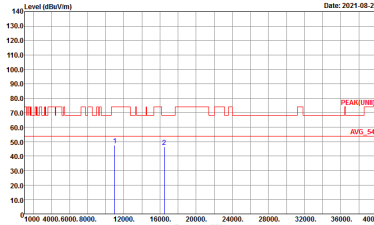
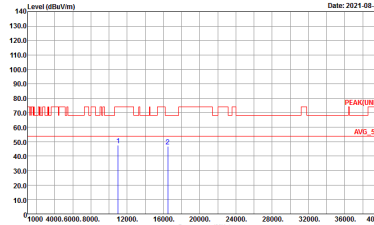
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

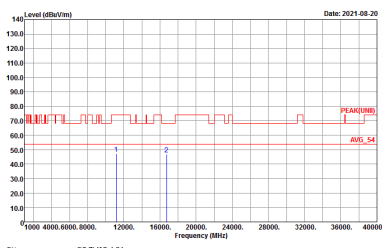
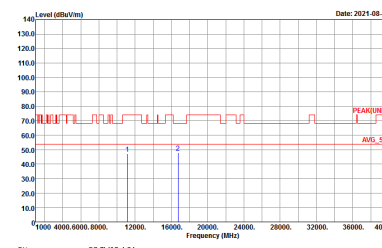
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

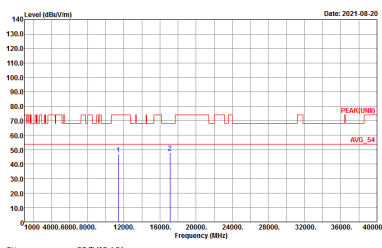
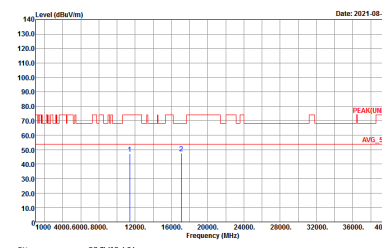
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

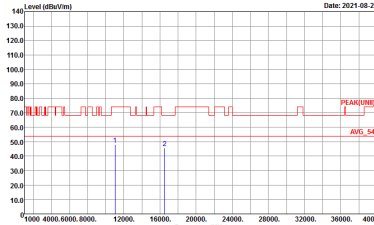
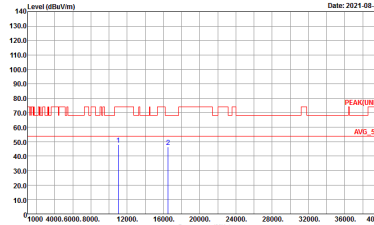
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

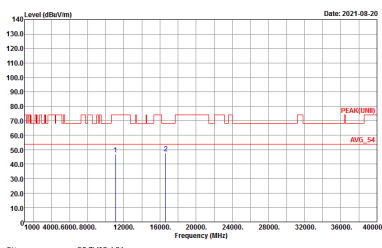
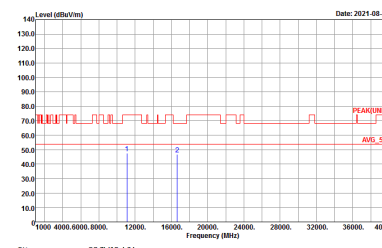
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

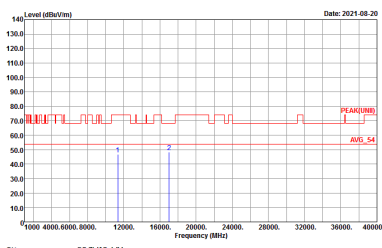
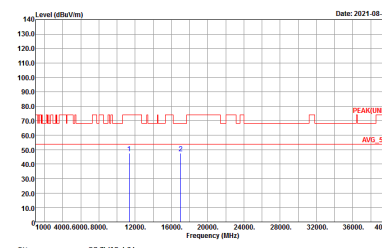
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

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

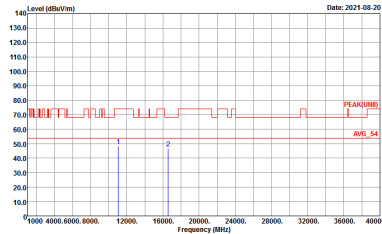
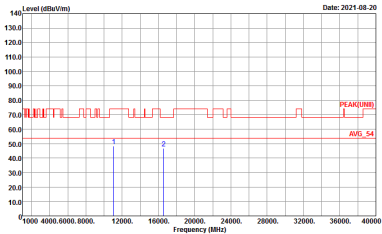
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

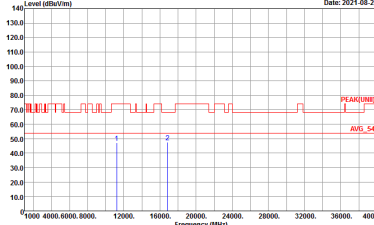
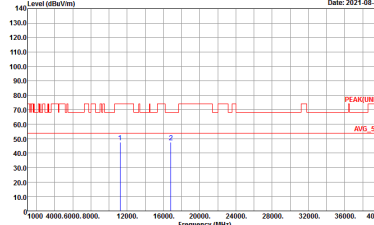
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak



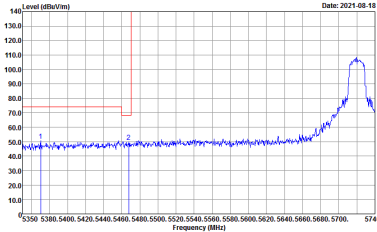
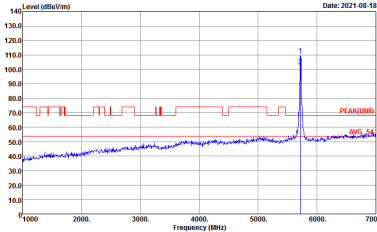
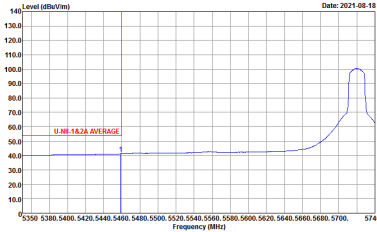
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

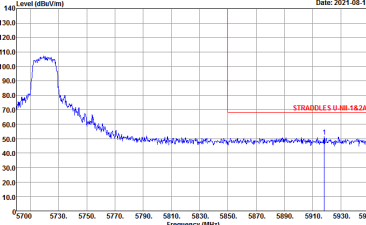
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Peak

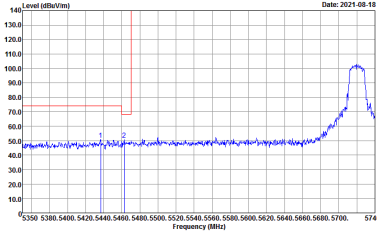
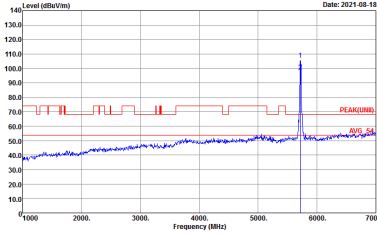
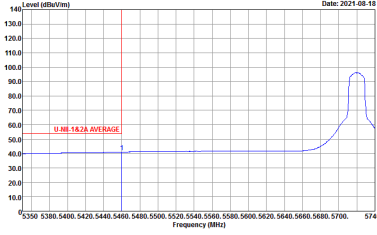


Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : STRADDLES U-NIT-1A2A 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : U-NIT-1A2A AVERAGE 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
2	Horizontal	Fundamental
Peak	 Site : 09CH13-49Y Condition : STRADDLES U-NIT-1A2A 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

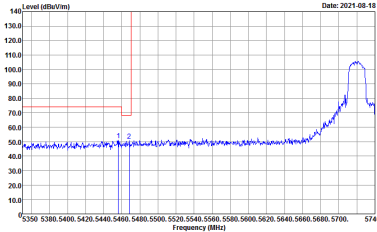
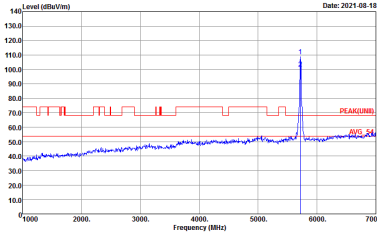
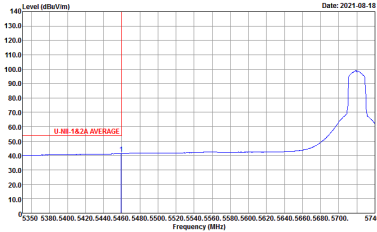
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : STRADDLES U-NIT-1A2A 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : U-NIT-1A2A AVERAGE 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:0.000KHz SWT:Auto	Left blank



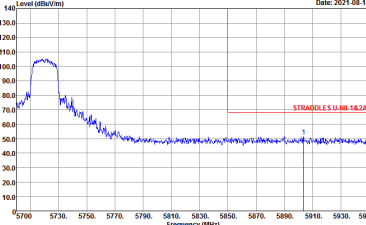
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
2	Vertical	Fundamental
Peak	Site : 09CH13-49Y Condition : STRADDLES U-NIT-1A2A 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



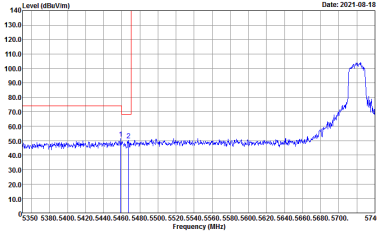
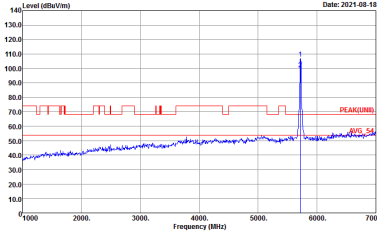
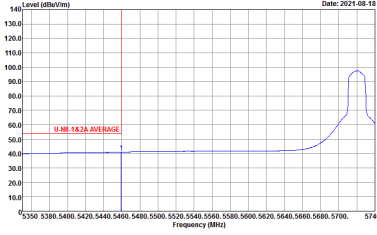
Band 3 – Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : STRADDLES U-NII-1A2A 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : U-NII-1A2A AVERAGE 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

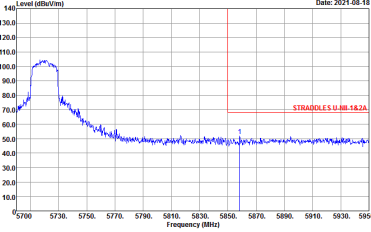


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 09CH13-49Y Condition : STRADDLES U-NIT-142A 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



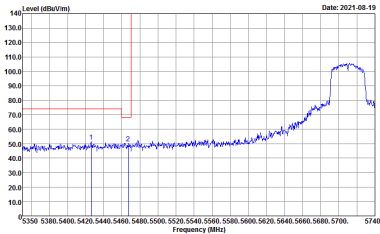
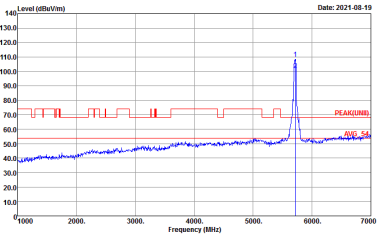
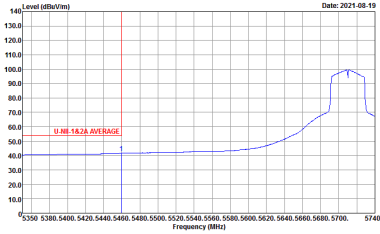
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : STRADDLES U-NIT-1A2A 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : U-NIT-1A2A AVERAGE 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



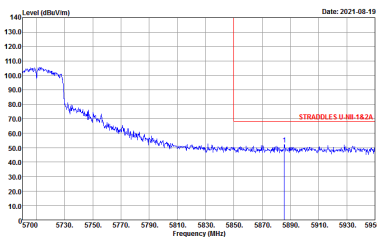
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
2	Vertical	Fundamental
Peak	 Site : 09CH13-49Y Condition : STRADDLES U-NIT-1A2A 3m HORN, 91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-08-18	Left blank

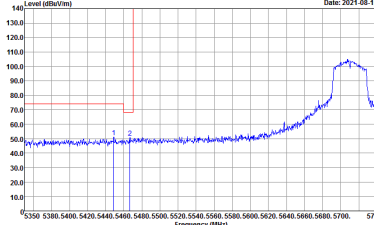
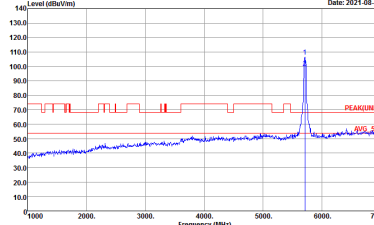
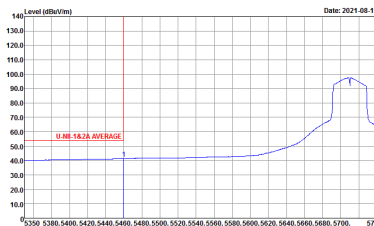


Band 3 – Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

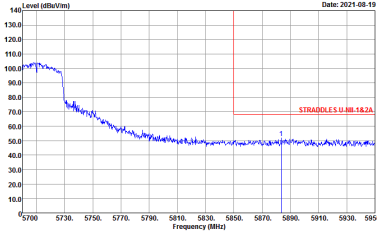
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : STRADDLES U-NIT-1A2A 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : U-NIT-1A2A AVERAGE 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



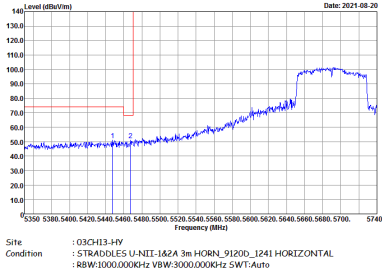
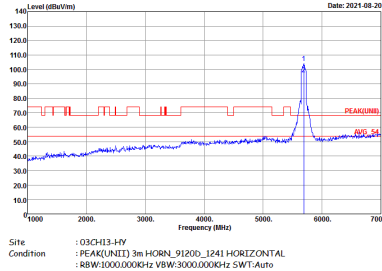
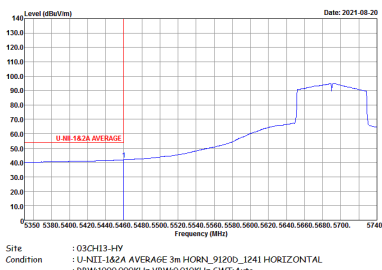
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 09CH13-49Y Condition : STRADDLES U-NIT-142A 3m HORN, 91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : STRADDLES U-NIT-1A2A 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : U-NIT-1A2A AVERAGE 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

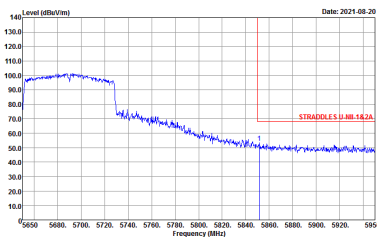


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - R	
2	Vertical	Fundamental
Peak	 Site : 05CH13-49Y Condition : STRADDLES U-NIT-142A 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

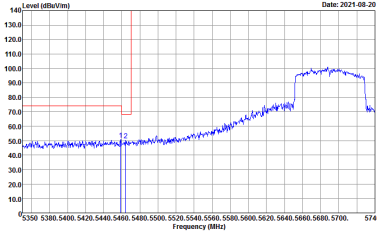
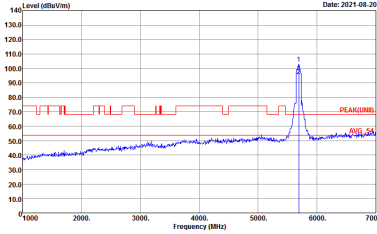
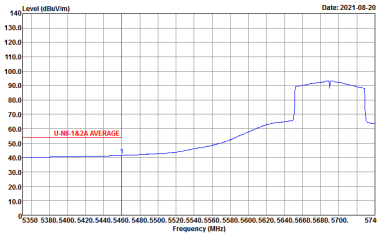
Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - L	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

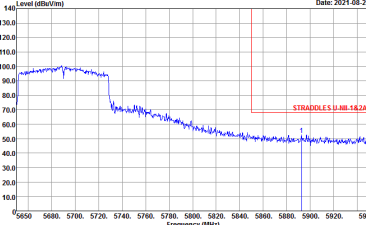


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 05CH13-49Y Condition : STRADDLES U-NIT-1A2A 3m HORN, 91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



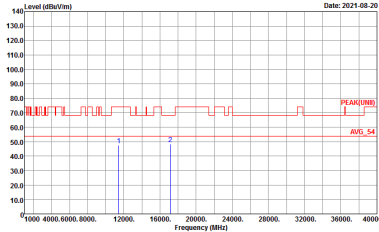
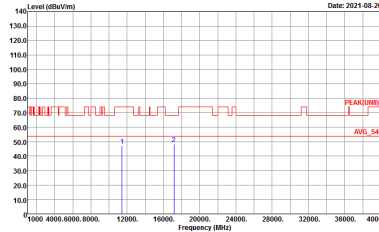
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : STRADDLES U-NIT-1A2A 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : U-NIT-1A2A AVERAGE 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - R	
2	Vertical	Fundamental
Peak	 Site : 05CH13-19Y Condition : STRADDLES U-NIT-1A2A 3m HORN, 91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

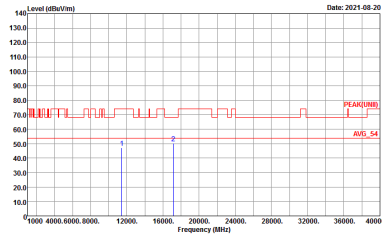
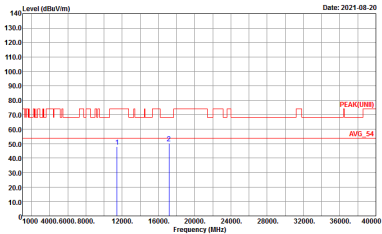


Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

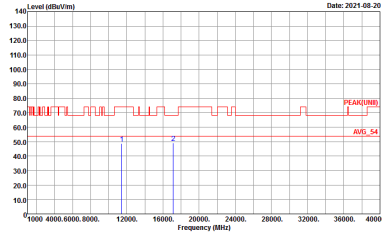
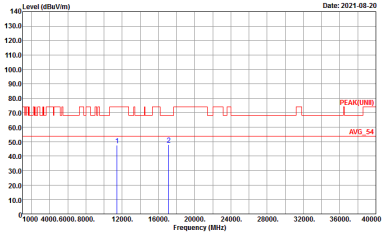
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak



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

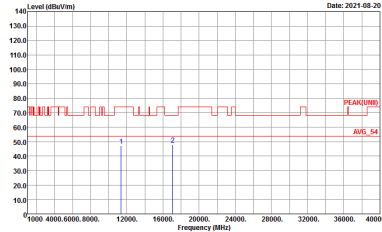
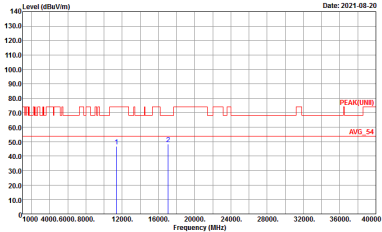
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

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

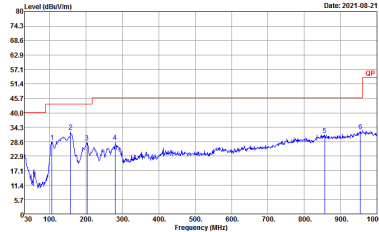
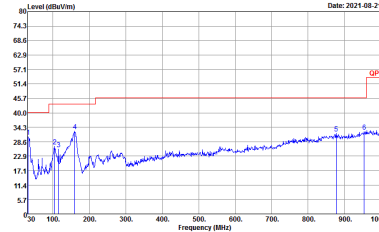
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-14Y Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH12-14Y Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL Detector : Peak



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-19Y Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-19Y Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak

**Emission below 1GHz
5GHz WIFI 802.11a (LF)**

WIFI	5GHz WIFI	
ANT	802.11a LF	
2	Horizontal	Vertical
QP / Peak	 Site : 03CH13-14Y Condition : QP 3m RIL OG_40103 HORIZONTAL Detector : Peak	 Site : 03CH13-14Y Condition : QP 3m RIL OG_40103 VERTICAL Detector : Peak

Annex. A Receiver Radiated Emission Measurement

A.1 Limit of Receiver Radiated Emission

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

A.2 Measuring Instruments

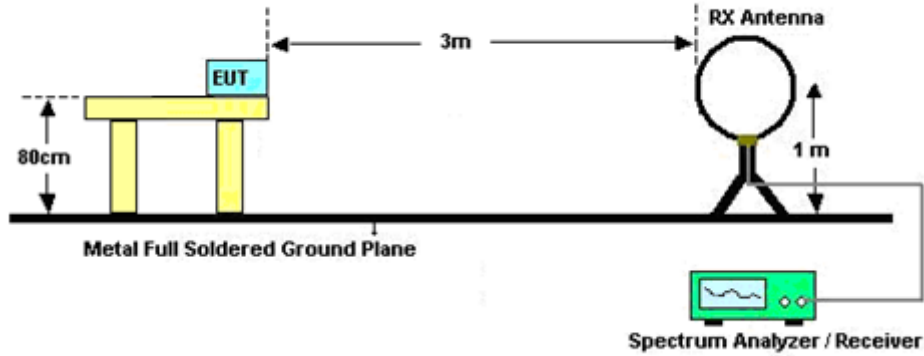
See list of measuring equipment of this test report.

A.3 Test Procedures

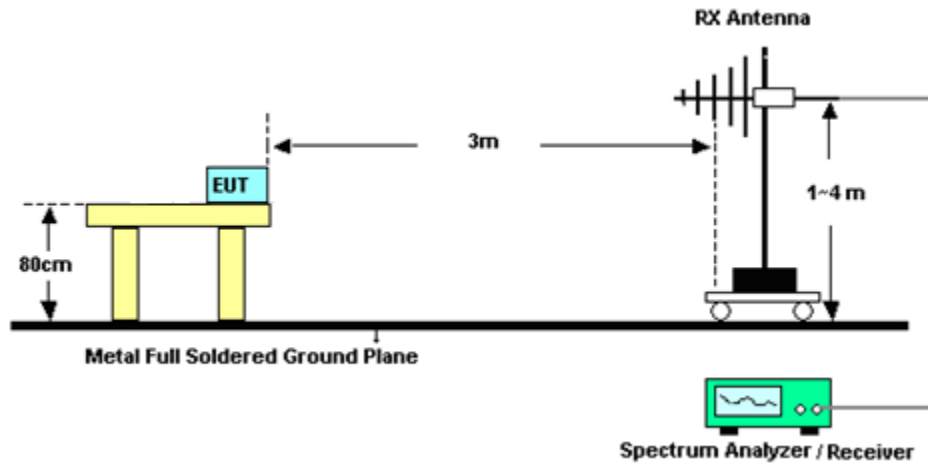
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to 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 tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dBμV/m) = 20 log Emission level (μV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

A.4 Test Setup

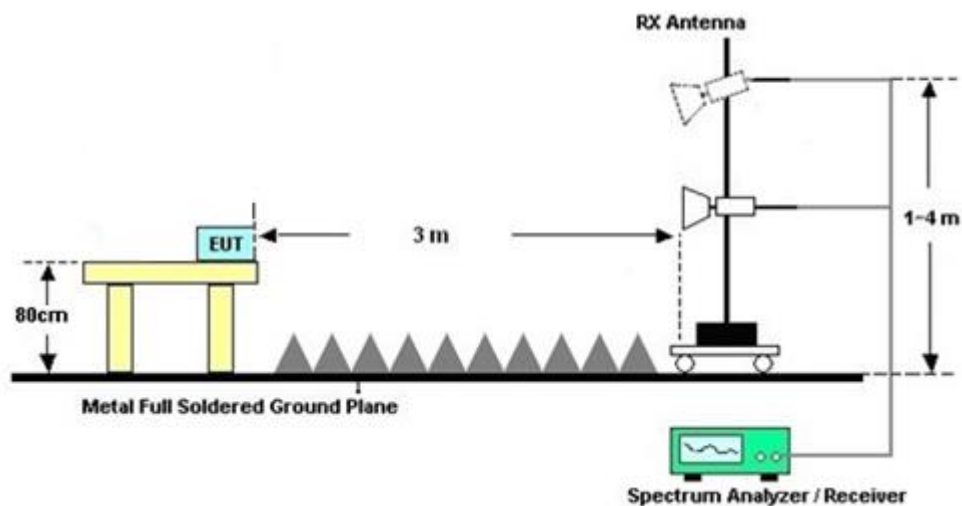
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

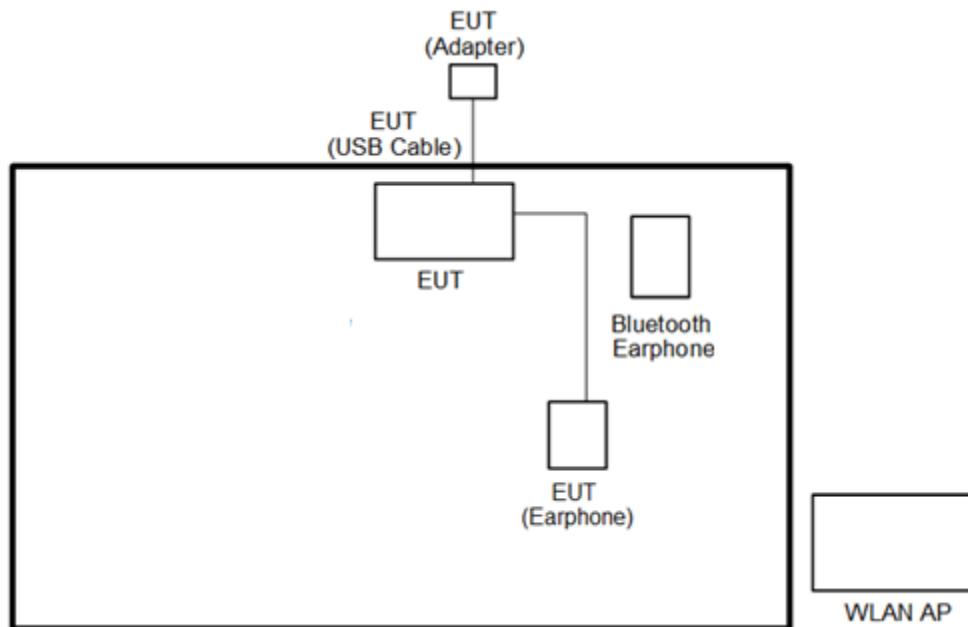


A.5 Test Result of Receiver Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per NCC LP0002 section 6.13 was not reported.

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

A.6 Connection Diagram of Test System



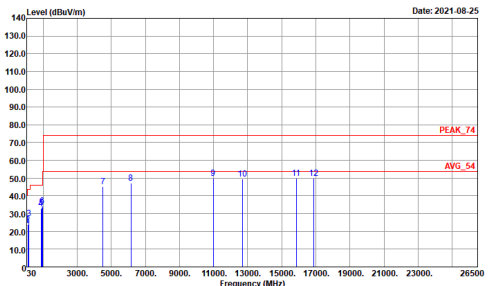
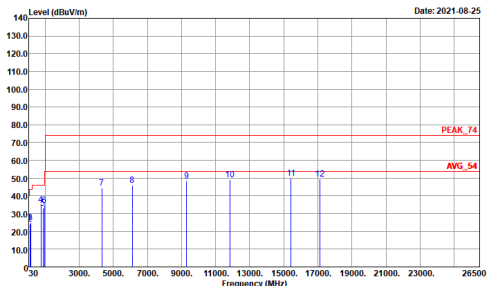
A.7 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m

Remark: Applicant has ensured support unit would not be attached with the product on the market, support unit is provided by lab for testing.

A.8 Test Result of Receiver Radiated Spurious Emission (30MHz ~ 5th Harmonic)

Test Engineer :	Troye Hsieh	Temperature :	20.4~22.3°C
		Relative Humidity :	62.9~67.5%
Frequency :	750.710 MHz	Margin :	Under 11.03 dB
Test Mode :	Bluetooth Idle + WLAN (5GHz) Idle		

Idle Mode																																																																																																																																																																																																																																																																																																	
Horizontal					Vertical																																																																																																																																																																																																																																																																																												
Peak Avg.																																																																																																																																																																																																																																																																																																	
	Site : 03CH20-HY Condition : PEAK_74 3m 9120D_002360_1091103 HORIZONTAL Detector : Peak Project : 170932-01 Setting : 18 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>36.79</td><td>23.58</td><td>-16.42</td><td>40.00</td><td>37.26</td><td>20.97</td><td>1.05</td><td>35.72</td><td>--- Peak</td></tr><tr><td>2</td><td>102.75</td><td>23.78</td><td>-19.72</td><td>43.50</td><td>41.20</td><td>16.47</td><td>1.69</td><td>35.65</td><td>--- Peak</td></tr><tr><td>3</td><td>165.80</td><td>27.43</td><td>-16.07</td><td>43.50</td><td>44.82</td><td>15.92</td><td>2.16</td><td>35.54</td><td>--- Peak</td></tr><tr><td>4</td><td>865.17</td><td>32.89</td><td>-13.11</td><td>46.00</td><td>31.85</td><td>29.18</td><td>5.02</td><td>33.48</td><td>--- Peak</td></tr><tr><td>5</td><td>909.79</td><td>33.51</td><td>-12.49</td><td>46.00</td><td>32.00</td><td>29.31</td><td>5.14</td><td>33.31</td><td>--- Peak</td></tr><tr><td>6</td><td>944.71</td><td>34.48</td><td>-11.52</td><td>46.00</td><td>31.54</td><td>30.51</td><td>5.22</td><td>33.17</td><td>100 Peak</td></tr><tr><td>7</td><td>4584.00</td><td>45.36</td><td>-28.64</td><td>74.00</td><td>38.91</td><td>31.49</td><td>12.13</td><td>37.17</td><td>--- Peak</td></tr><tr><td>8</td><td>6160.00</td><td>47.26</td><td>-20.94</td><td>68.20</td><td>37.58</td><td>33.84</td><td>13.70</td><td>37.86</td><td>100 Peak</td></tr><tr><td>9</td><td>10980.00</td><td>49.78</td><td>-24.22</td><td>74.00</td><td>33.59</td><td>38.94</td><td>18.55</td><td>41.75</td><td>--- Peak</td></tr><tr><td>10</td><td>12690.00</td><td>49.41</td><td>-24.59</td><td>74.00</td><td>32.66</td><td>39.28</td><td>19.82</td><td>42.88</td><td>--- Peak</td></tr><tr><td>11</td><td>15855.00</td><td>49.74</td><td>-24.26</td><td>74.00</td><td>32.06</td><td>38.22</td><td>23.12</td><td>44.29</td><td>--- Peak</td></tr><tr><td>12</td><td>16875.00</td><td>49.79</td><td>-24.21</td><td>74.00</td><td>31.65</td><td>38.20</td><td>23.56</td><td>44.27</td><td>--- Peak</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	36.79	23.58	-16.42	40.00	37.26	20.97	1.05	35.72	--- Peak	2	102.75	23.78	-19.72	43.50	41.20	16.47	1.69	35.65	--- Peak	3	165.80	27.43	-16.07	43.50	44.82	15.92	2.16	35.54	--- Peak	4	865.17	32.89	-13.11	46.00	31.85	29.18	5.02	33.48	--- Peak	5	909.79	33.51	-12.49	46.00	32.00	29.31	5.14	33.31	--- Peak	6	944.71	34.48	-11.52	46.00	31.54	30.51	5.22	33.17	100 Peak	7	4584.00	45.36	-28.64	74.00	38.91	31.49	12.13	37.17	--- Peak	8	6160.00	47.26	-20.94	68.20	37.58	33.84	13.70	37.86	100 Peak	9	10980.00	49.78	-24.22	74.00	33.59	38.94	18.55	41.75	--- Peak	10	12690.00	49.41	-24.59	74.00	32.66	39.28	19.82	42.88	--- Peak	11	15855.00	49.74	-24.26	74.00	32.06	38.22	23.12	44.29	--- Peak	12	16875.00	49.79	-24.21	74.00	31.65	38.20	23.56	44.27	--- Peak	Site : 03CH20-HY Condition : PEAK_74 3m 9120D_002360_1091103 VERTICAL Detector : Peak Project : 170932-01 Setting : 18 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>36.79</td><td>24.87</td><td>-15.13</td><td>40.00</td><td>38.55</td><td>20.97</td><td>1.05</td><td>35.72</td><td>--- Peak</td></tr><tr><td>2</td><td>102.75</td><td>24.07</td><td>-19.43</td><td>43.50</td><td>41.49</td><td>16.47</td><td>1.69</td><td>35.65</td><td>--- Peak</td></tr><tr><td>3</td><td>140.58</td><td>25.08</td><td>-18.42</td><td>43.50</td><td>40.94</td><td>17.65</td><td>1.98</td><td>35.58</td><td>--- Peak</td></tr><tr><td>4</td><td>750.71</td><td>34.97</td><td>-11.03</td><td>46.00</td><td>35.93</td><td>28.10</td><td>4.65</td><td>33.89</td><td>100 Peak</td></tr><tr><td>5</td><td>873.90</td><td>33.02</td><td>-12.98</td><td>46.00</td><td>31.98</td><td>29.11</td><td>5.84</td><td>33.44</td><td>--- Peak</td></tr><tr><td>6</td><td>943.74</td><td>34.85</td><td>-11.15</td><td>46.00</td><td>31.99</td><td>30.44</td><td>5.22</td><td>33.18</td><td>--- Peak</td></tr><tr><td>7</td><td>4324.00</td><td>44.35</td><td>-29.65</td><td>74.00</td><td>38.08</td><td>31.25</td><td>12.17</td><td>37.15</td><td>--- Peak</td></tr><tr><td>8</td><td>6118.00</td><td>46.14</td><td>-22.06</td><td>68.20</td><td>36.54</td><td>33.80</td><td>13.65</td><td>37.85</td><td>100 Peak</td></tr><tr><td>9</td><td>9300.00</td><td>48.47</td><td>-25.53</td><td>74.00</td><td>33.55</td><td>38.30</td><td>16.49</td><td>40.33</td><td>--- Peak</td></tr><tr><td>10</td><td>11850.00</td><td>49.12</td><td>-24.88</td><td>74.00</td><td>33.40</td><td>38.80</td><td>19.18</td><td>42.73</td><td>--- Peak</td></tr><tr><td>11</td><td>15435.00</td><td>49.80</td><td>-24.20</td><td>74.00</td><td>32.61</td><td>38.46</td><td>22.74</td><td>44.64</td><td>--- Peak</td></tr><tr><td>12</td><td>17115.00</td><td>49.49</td><td>-24.51</td><td>74.00</td><td>31.50</td><td>38.13</td><td>23.63</td><td>44.43</td><td>--- Peak</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	36.79	24.87	-15.13	40.00	38.55	20.97	1.05	35.72	--- Peak	2	102.75	24.07	-19.43	43.50	41.49	16.47	1.69	35.65	--- Peak	3	140.58	25.08	-18.42	43.50	40.94	17.65	1.98	35.58	--- Peak	4	750.71	34.97	-11.03	46.00	35.93	28.10	4.65	33.89	100 Peak	5	873.90	33.02	-12.98	46.00	31.98	29.11	5.84	33.44	--- Peak	6	943.74	34.85	-11.15	46.00	31.99	30.44	5.22	33.18	--- Peak	7	4324.00	44.35	-29.65	74.00	38.08	31.25	12.17	37.15	--- Peak	8	6118.00	46.14	-22.06	68.20	36.54	33.80	13.65	37.85	100 Peak	9	9300.00	48.47	-25.53	74.00	33.55	38.30	16.49	40.33	--- Peak	10	11850.00	49.12	-24.88	74.00	33.40	38.80	19.18	42.73	--- Peak	11	15435.00	49.80	-24.20	74.00	32.61	38.46	22.74	44.64	--- Peak	12	17115.00	49.49	-24.51	74.00	31.50	38.13	23.63	44.43
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Annex. B Maximum Power Density

B.1 RF Exposure Limit Introduction

According to NCC LP0002, the criteria listed in Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §6.20.2.1 and §6.20.2.2.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna

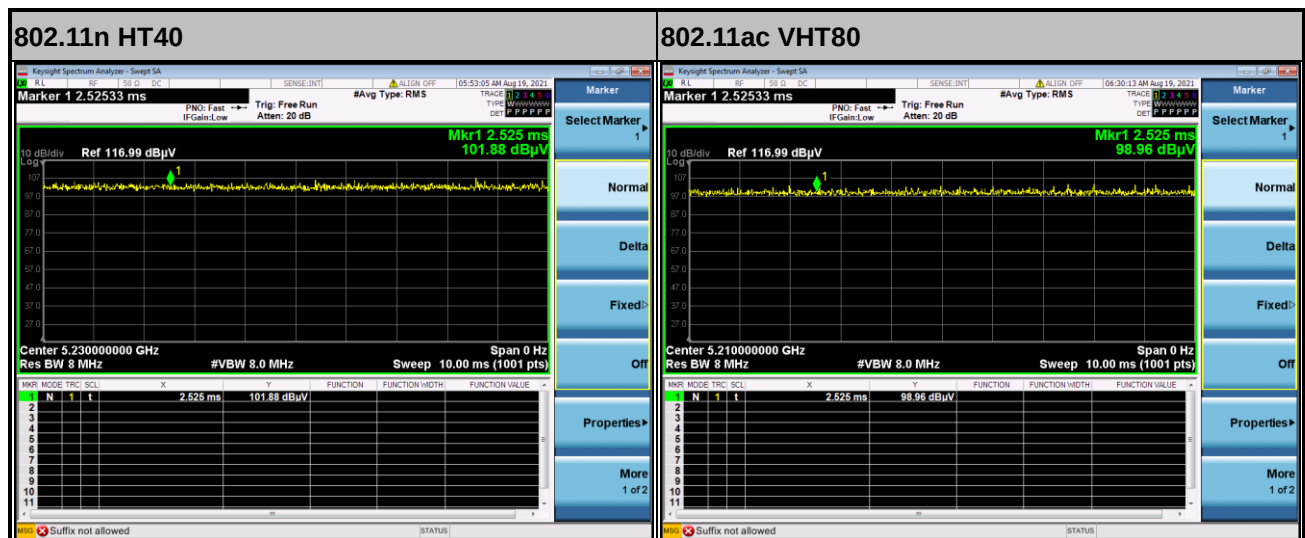
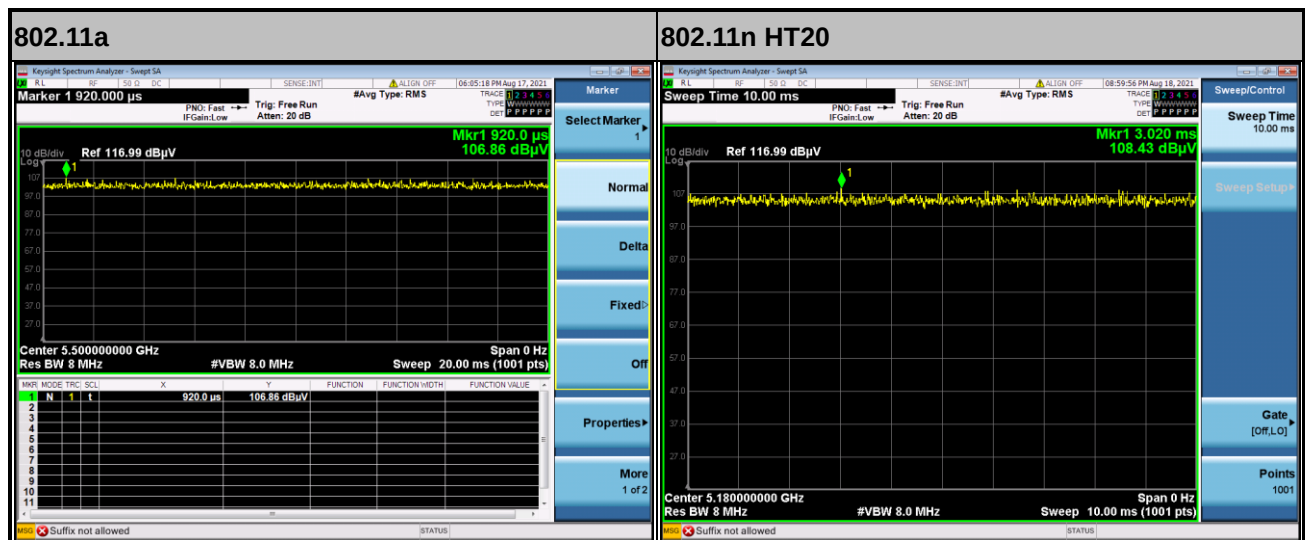
B.2 Standalone Power Density Calculation

Please refer to Appendix A.



Appendix E. Duty Cycle Plots

Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
802.11a	100.00	-	-	10Hz
5GHz 802.11n HT20	100.00	-	-	10Hz
5GHz 802.11n HT40	100.00	-	-	10Hz
5GHz 802.11ac VHT80	100.00	-	-	10Hz



—THE END—