FCC RADIO TEST REPORT

FCC ID	:	**A4RG454V**
Equipment	:	**Wireless Device**
Model Name	:	**G454V**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Oct. 05, 2021 and testing was performed from Oct. 08, 2021 to Nov. 08, 2021. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR142340-05D	01	Initial issue of report	Nov. 19, 2021
FR142340-05D	02	1. Revise the report typo. 2. Revise appendix C	Nov. 23, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.62 dB under the limit at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	10.49 dB under the limit at 0.215 MHz and 0.211 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Remark: The FR142340-05D report reuses AC Conducted Emission test data from the FD142340-04 report.

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 product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Avis Chuang

Report Producer: Amy Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wireless Device
Model Name	G454V
FCC ID	A4RG454V
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

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

EUT Information List	
S/N	Performed Test Item
1923105GN017RP	Conducted Measurement
1923105GN017YC	Radiated Spurious Emission
1923105GN0180U	Conducted Emission

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a: 15.90 dBm / 0.0389 W 802.11n HT20: 16.00 dBm / 0.0398 W 802.11n HT40: 16.00 dBm / 0.0398 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.90 dBm / 0.0389 W 802.11ac VHT80: 10.10 dBm / 0.0102 W **<Ant. 2>** 802.11a: 16.10 dBm / 0.0407 W 802.11n HT20: 16.00 dBm / 0.0398 W 802.11n HT40: 15.90 dBm / 0.0389 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.80 dBm / 0.0380 W 802.11ac VHT80: 10.10 dBm / 0.0102 W **<5260 MHz ~ 5320 MHz>** **<Ant. 1>** 802.11a: 15.80 dBm / 0.0380 W 802.11n HT20: 16.00 dBm / 0.0398 W 802.11n HT40: 16.00 dBm / 0.0398 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.90 dBm / 0.0389 W 802.11ac VHT80: 10.90 dBm / 0.0123 W **<Ant. 2>** 802.11a: 16.10 dBm / 0.0407 W 802.11n HT20: 16.00 dBm / 0.0398 W 802.11n HT40: 15.90 dBm / 0.0389 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.90 dBm / 0.0389 W 802.11ac VHT80: 11.00 dBm / 0.0126 W **<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a: 16.10 dBm / 0.0407 W 802.11n HT20: 16.30 dBm / 0.0427 W 802.11n HT40: 16.40 dBm / 0.0437 W 802.11ac VHT20: 16.30 dBm / 0.0427 W 802.11ac VHT40: 16.40 dBm / 0.0437 W 802.11ac VHT80: 16.00 dBm / 0.0398 W **<Ant. 2>** 802.11a: 16.20 dBm / 0.0417 W 802.11n HT20: 16.20 dBm / 0.0417 W 802.11n HT40: 16.50 dBm / 0.0447 W 802.11ac VHT20: 16.10 dBm / 0.0407 W 802.11ac VHT40: 16.40 dBm / 0.0437 W 802.11ac VHT80: 16.20 dBm / 0.0417 W

Product Specification subjective to this standard	
99% Occupied Bandwidth	**<Ant. 1>** 802.11a: 17.13 MHz 802.11n HT20: 17.83 MHz 802.11n HT40: 37.16 MHz 802.11ac VHT80: 76.36 MHz **<Ant. 2>** 802.11a: 17.18 MHz 802.11n HT20: 17.83 MHz 802.11n HT40: 36.86 MHz 802.11ac VHT80: 76.48 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>:** **<Ant. 1>:** PCB PIFA Antenna **<Ant. 2>:** PCB PIFA Antenna **<5260 MHz ~ 5320 MHz>** **<Ant. 1>:** PCB PIFA Antenna **<Ant. 2>:** PCB PIFA Antenna **<5500 MHz ~ 5720 MHz>** **<Ant. 1>:** PCB PIFA Antenna **<Ant. 2>:** PCB PIFA Antenna
Antenna Gain	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>:** 5.22 dBi **<Ant. 2>:** 6.33 dBi **<5260 MHz ~ 5320 MHz>** **<Ant. 1>:** 5.48 dBi **<Ant. 2>:** 5.46 dBi **<5500 MHz ~ 5720 MHz>** **<Ant. 1>:** 5.25 dBi **<Ant. 2>:** 5.35 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The AC Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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

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

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- 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 X 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 : WLAN (5GHz) Link + Bluetooth Link (Bluetooth Earphone) + Controller Link + Video Streaming (1080p, 60Hz, 4:2:2, 12bits) + USB Cable 1 (Charging from AC Adapter (Aohai))
Remark: For Radiated Test Cases, the tests were performed with USB Cable 2.	

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

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

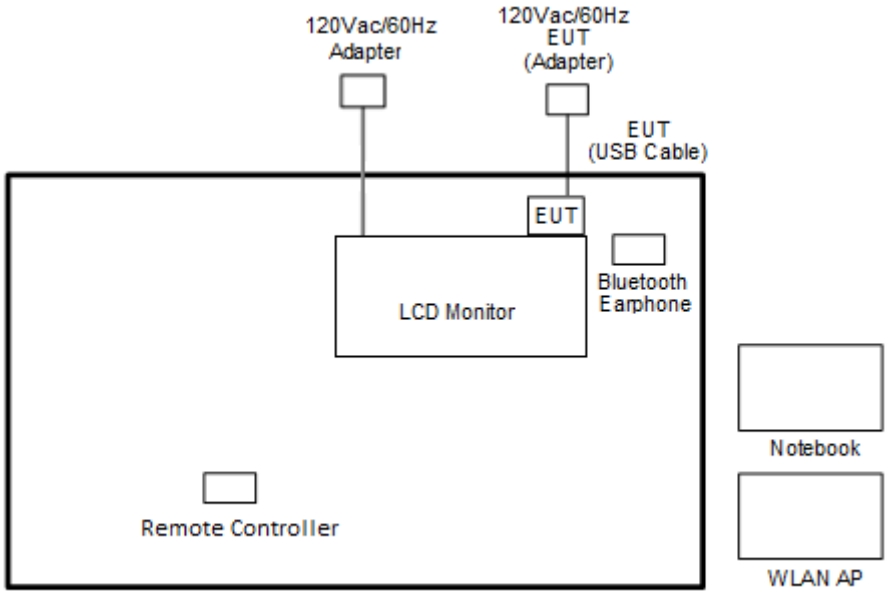
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

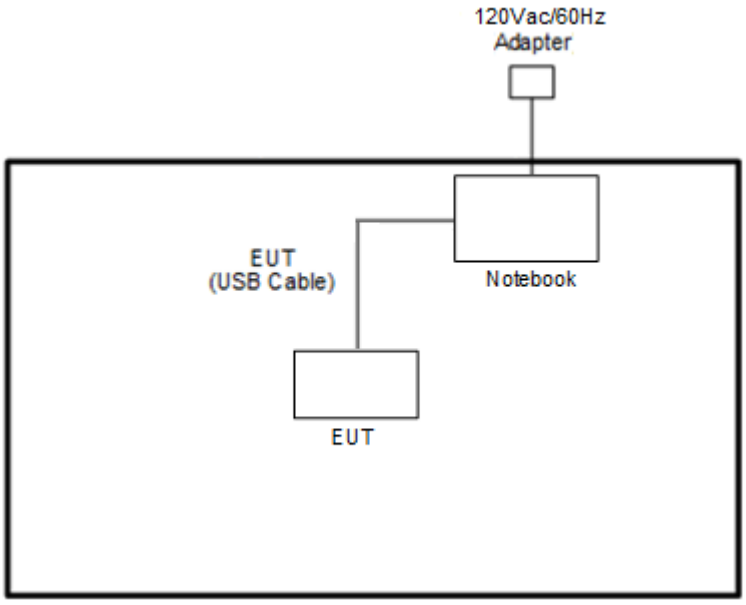
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission 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,1.8m
3.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Acer	A515-54G-51QB	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	LCD Monitor	Sharp	LC-50UA6800T	N/A	N/A	N/A
6.	Remote controller	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “CMD V10.0.18362.1256” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

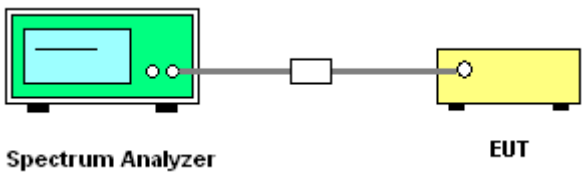
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

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

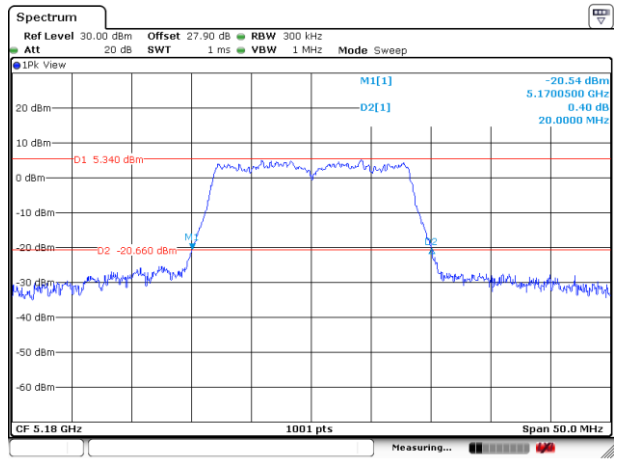
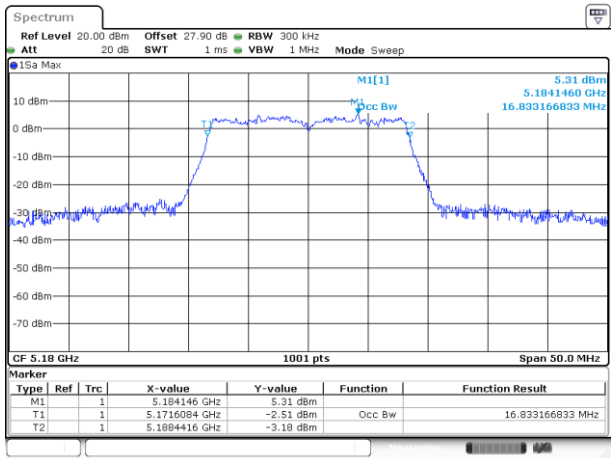
3.1.4 Test Setup



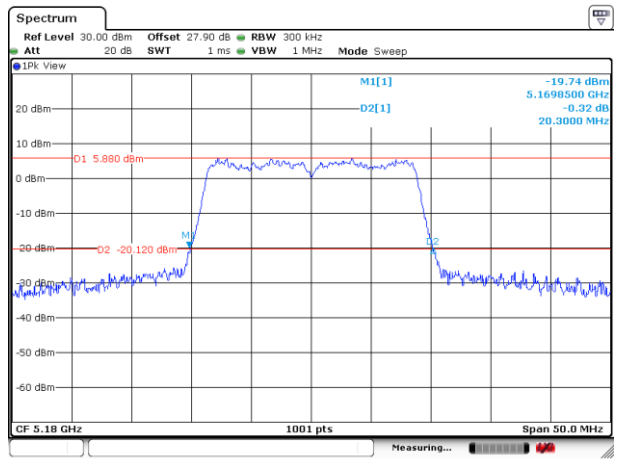
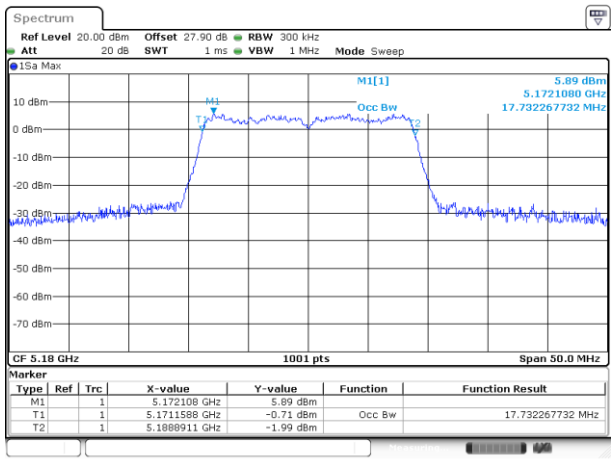
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

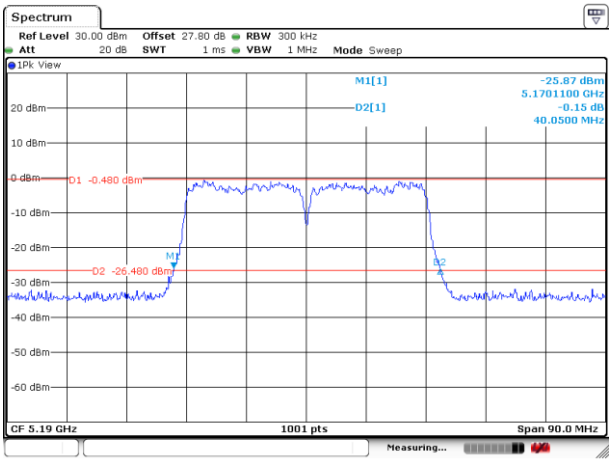
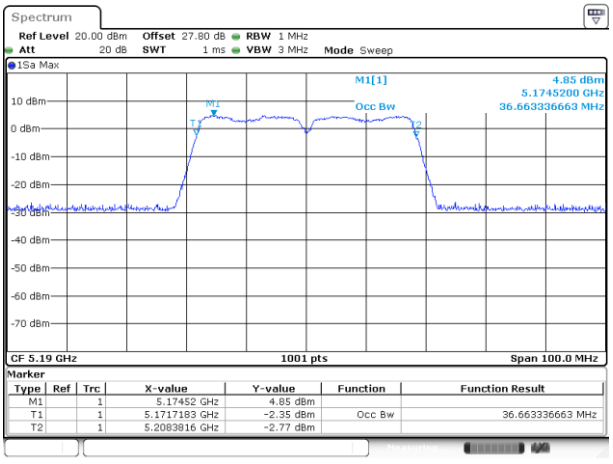
<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

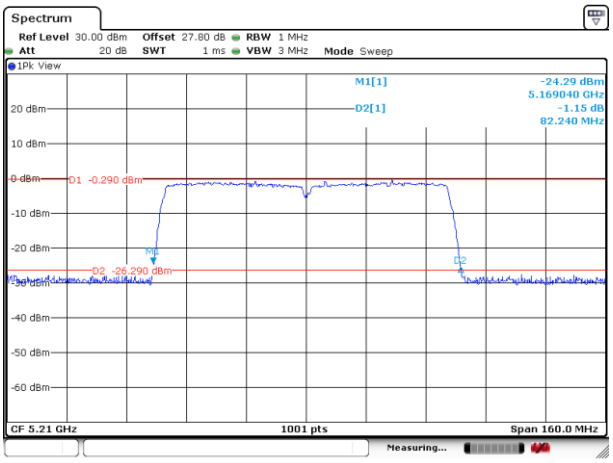
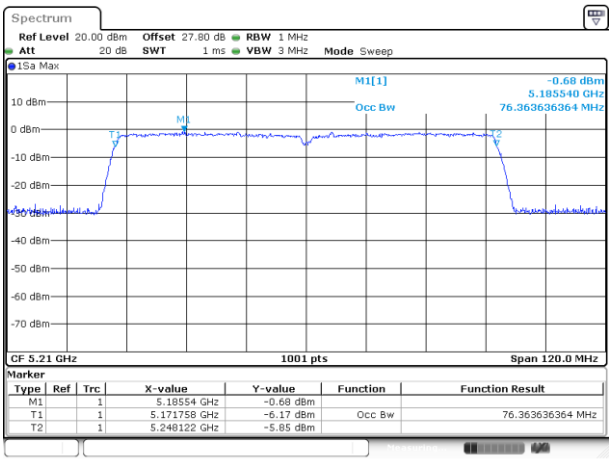
<802.11n HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

<802.11n HT40>

26dB Bandwidth	99% Occupied Bandwidth
	

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

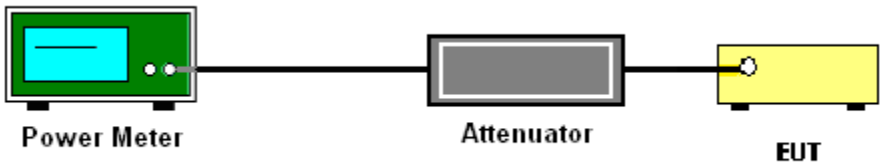
3.2.3 Test Procedures

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.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-3 #

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

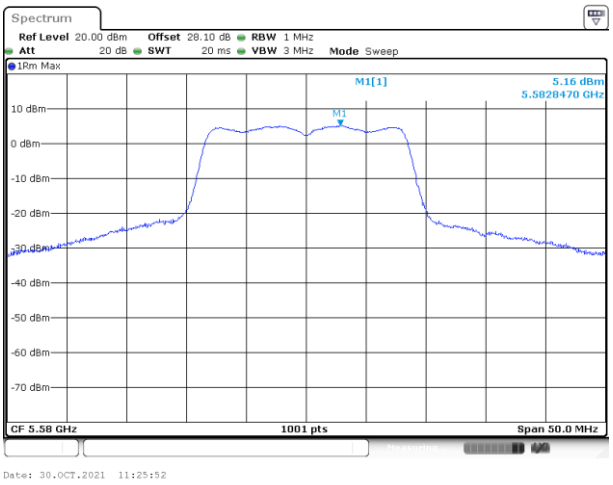
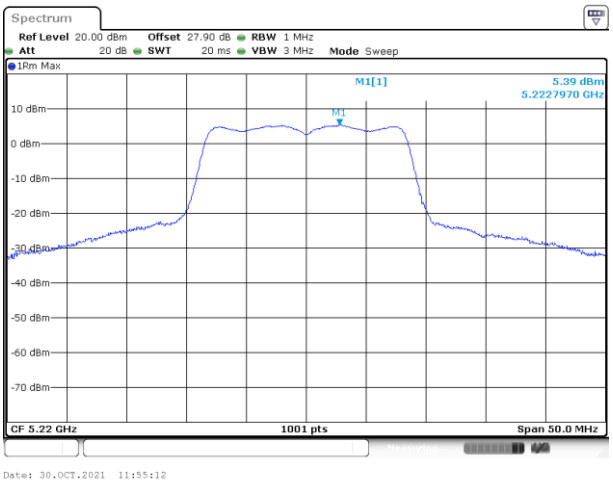
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)	
Ant. 1	Ant. 2
	

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.
(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in 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 ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

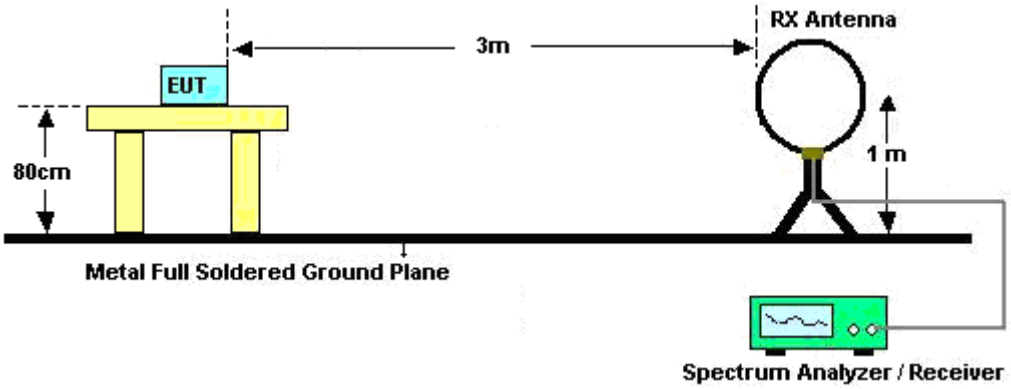
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 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.

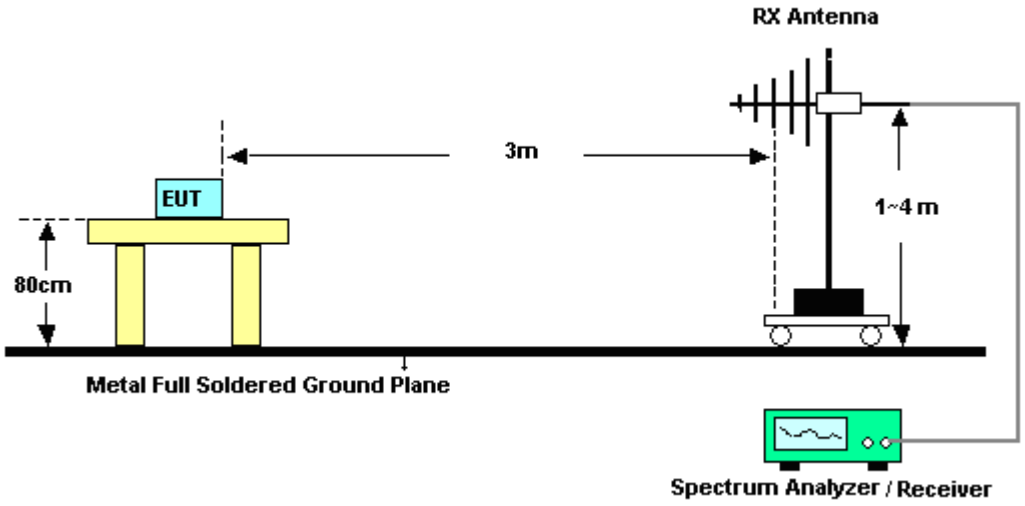
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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. Radiated testing below 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0degree to 360 degree to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0degree to 360 degree to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

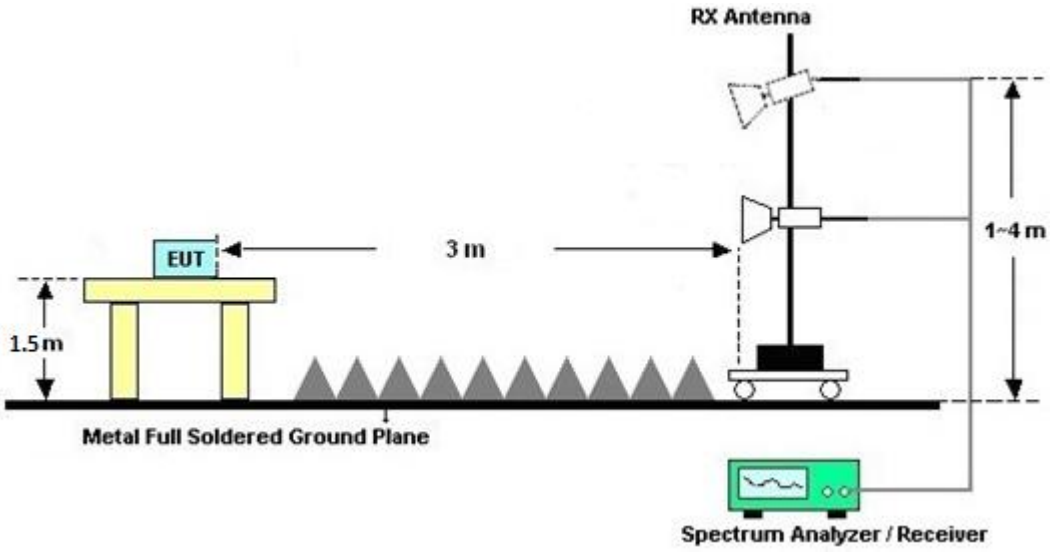
For radiated emissions below 30MHz



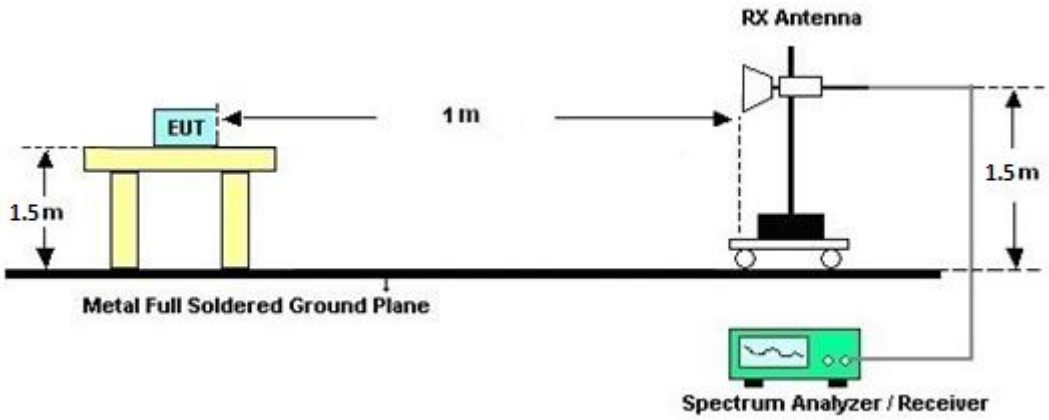
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

There is 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 (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

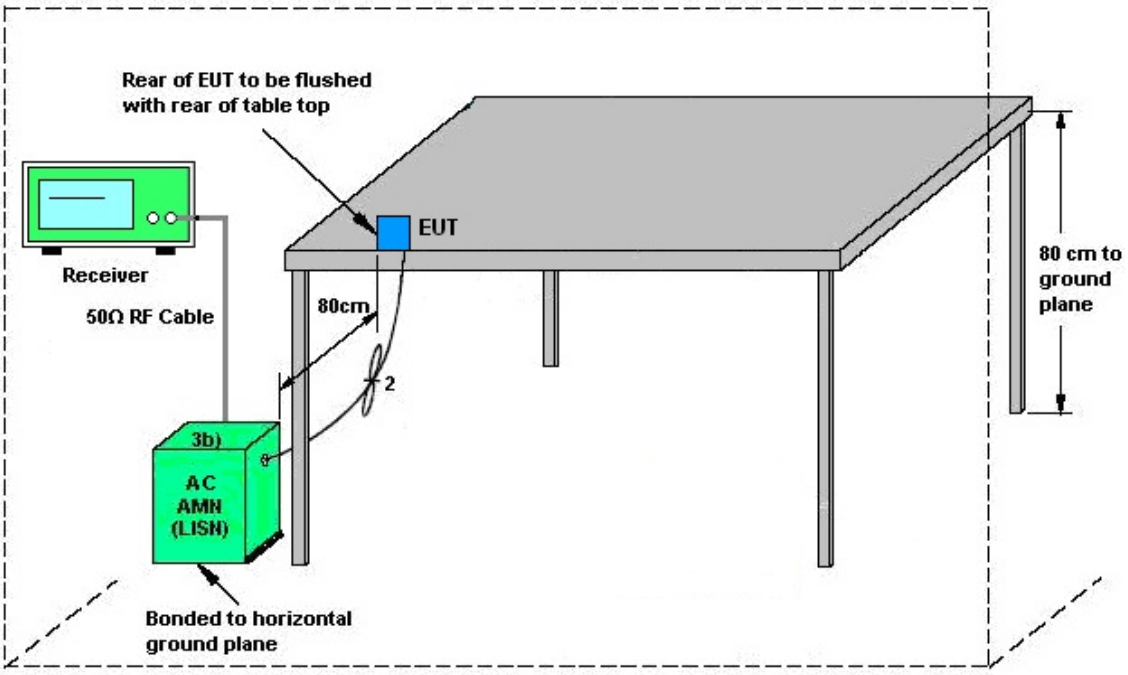
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in 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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Oct. 13, 2021~ Oct. 27, 2021	Jan. 03, 2022	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 28, 2021	Oct. 13, 2021~ Oct. 27, 2021	Apr. 27, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jul. 13, 2021	Oct. 13, 2021~ Oct. 27, 2021	Jul. 12, 2022	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00994	18GHz- 40GHz	Nov. 19, 2020	Oct. 13, 2021~ Oct. 27, 2021	Nov. 18, 2021	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 18, 2021	Oct. 13, 2021~ Oct. 27, 2021	May 17, 2022	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 27, 2020	Oct. 13, 2021~ Oct. 25, 2021	Oct. 26, 2021	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 26, 2021	Oct. 27, 2021	Oct. 25, 2022	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 16, 2020	Oct. 13, 2021~ Oct. 27, 2021	Dec. 15, 2021	Radiation (03CH13-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Jan. 31, 2021	Oct. 13, 2021~ Oct. 27, 2021	Jan. 30, 2022	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2021	Oct. 13, 2021~ Oct. 27, 2021	Mar. 17, 2022	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 13, 2021~ Oct. 27, 2021	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Oct. 13, 2021~ Oct. 27, 2021	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Oct. 13, 2021~ Oct. 27, 2021	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Oct. 13, 2021~ Oct. 27, 2021	N/A	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 11, 2020	Oct. 13, 2021~ Oct. 27, 2021	Dec. 10, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 10, 2021	Oct. 13, 2021~ Oct. 27, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 10, 2021	Oct. 13, 2021~ Oct. 27, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 22, 2021	Oct. 13, 2021~ Oct. 27, 2021	Feb. 21, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz~40GHz	Mar. 11, 2021	Oct. 13, 2021~ Oct. 27, 2021	Mar. 10, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 10, 2021	Oct. 13, 2021~ Oct. 27, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Oct. 13, 2021~ Oct. 27, 2021	Mar. 10, 2022	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP200879	N/A	Sep. 30, 2021	Oct. 13, 2021~ Oct. 27, 2021	Sep. 29, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 14, 2021	Oct. 13, 2021~ Oct. 27, 2021	Sep. 13, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 12, 2021	Oct. 13, 2021~ Oct. 27, 2021	Jul. 11, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 11, 2021	Oct. 13, 2021~ Oct. 27, 2021	Mar. 10, 2022	Radiation (03CH13-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Oct. 12, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Oct. 12, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Oct. 12, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Oct. 12, 2021	Nov. 30, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Oct. 12, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Oct. 12, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Oct. 12, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Oct. 12, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 01, 2021	Oct. 08, 2021~ Nov. 08, 2021	Feb. 28, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12	10MHz~6GHz	Dec. 09, 2020	Oct. 08, 2021~ Nov. 08, 2021	Dec. 08, 2021	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Aug. 01, 2021	Oct. 08, 2021~ Nov. 08, 2021	Jul. 31, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Nov. 13, 2020	Oct. 08, 2021~ Nov. 08, 2021	Nov. 12, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Oct. 08, 2021~ Nov. 08, 2021	Mar. 16, 2022	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.1 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.0 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.9 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2021/10/8~2021/11/08	Relative Humidity:	51~54	%

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	16.83	16.88	20.00	20.10	-		22.26	22.27		
11a	6Mbps	1	44	5220	17.08	17.08	25.75	26.85	-		22.33	22.33		
11a	6Mbps	1	48	5240	17.08	17.08	26.90	28.65	-		22.33	22.33		
HT20	MCS0	1	36	5180	17.73	17.73	20.30	20.30	-		22.49	22.49		
HT20	MCS0	1	44	5220	17.83	17.83	20.45	20.60	-		22.51	22.51		
HT20	MCS0	1	48	5240	17.83	17.83	20.45	20.55	-		22.51	22.51		
HT40	MCS0	1	38	5190	36.66	36.66	40.05	40.05	-		23.01	23.01		
HT40	MCS0	1	46	5230	37.16	36.86	51.66	40.23	-		23.01	23.01		
VHT80	MCS0	1	42	5210	76.36	76.48	82.24	95.04	-		23.01	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	14.20	14.10		24.00	23.67	5.22	6.33		Pass
11a	6Mbps	1	44	5220	15.80	16.10		24.00	23.67	5.22	6.33		Pass
11a	6Mbps	1	48	5240	15.90	16.00		24.00	23.67	5.22	6.33		Pass
HT20	MCS0	1	36	5180	15.30	15.20		24.00	23.67	5.22	6.33		Pass
HT20	MCS0	1	44	5220	15.90	15.80		24.00	23.67	5.22	6.33		Pass
HT20	MCS0	1	48	5240	16.00	16.00		24.00	23.67	5.22	6.33		Pass
HT40	MCS0	1	38	5190	12.10	12.10		24.00	23.67	5.22	6.33		Pass
HT40	MCS0	1	46	5230	16.00	15.90		24.00	23.67	5.22	6.33		Pass
VHT20	MCS0	1	36	5180	15.20	15.10		24.00	23.67	5.22	6.33		Pass
VHT20	MCS0	1	44	5220	15.80	15.80		24.00	23.67	5.22	6.33		Pass
VHT20	MCS0	1	48	5240	15.90	15.90		24.00	23.67	5.22	6.33		Pass
VHT40	MCS0	1	38	5190	12.00	12.00		24.00	23.67	5.22	6.33		Pass
VHT40	MCS0	1	46	5230	15.90	15.80		24.00	23.67	5.22	6.33		Pass
VHT80	MCS0	1	42	5210	10.10	10.10		24.00	23.67	5.22	6.33		Pass

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	3.36	3.41		11.00	10.67	5.22	6.33		Pass
11a	6Mbps	1	44	5220	5.13	5.39		11.00	10.67	5.22	6.33		Pass
11a	6Mbps	1	48	5240	5.06	5.29		11.00	10.67	5.22	6.33		Pass
HT20	MCS0	1	36	5180	4.19	4.34		11.00	10.67	5.22	6.33		Pass
HT20	MCS0	1	44	5220	4.93	5.14		11.00	10.67	5.22	6.33		Pass
HT20	MCS0	1	48	5240	4.92	5.12		11.00	10.67	5.22	6.33		Pass
HT40	MCS0	1	38	5190	-2.21	-2.81		11.00	10.67	5.22	6.33		Pass
HT40	MCS0	1	46	5230	2.34	1.21		11.00	10.67	5.22	6.33		Pass
VHT80	MCS0	1	42	5210	-8.28	-8.30		11.00	10.67	5.22	6.33		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	17.08	17.08	26.95	28.75	23.33	23.33	29.33	29.33	23.98	23.98	
11a	6Mbps	1	60	5300	17.08	17.08	27.10	26.85	23.33	23.33	29.33	29.33	23.98	23.98	
11a	6Mbps	1	64	5320	16.98	16.98	20.30	22.65	23.30	23.30	29.30	29.30	23.98	23.98	
HT20	MCS0	1	52	5260	17.83	17.83	20.50	20.65	23.51	23.51	29.51	29.51	23.98	23.98	
HT20	MCS0	1	60	5300	17.78	17.78	20.50	20.60	23.50	23.50	29.50	29.50	23.98	23.98	
HT20	MCS0	1	64	5320	17.73	17.73	20.25	20.35	23.49	23.49	29.49	29.49	23.98	23.98	
HT40	MCS0	1	54	5270	36.76	36.76	40.14	39.87	23.98	23.98	30.00	30.00	23.98	23.98	
HT40	MCS0	1	62	5310	36.56	36.66	40.23	40.23	23.98	23.98	30.00	30.00	23.98	23.98	
VHT80	MCS0	1	58	5290	76.36	76.24	82.24	82.40	23.98	23.98	30.00	30.00	23.98	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	15.80	16.00		23.98	23.98	5.48	5.46	26.99	Pass
11a	6Mbps	1	60	5300	15.60	16.10		23.98	23.98	5.48	5.46	26.99	Pass
11a	6Mbps	1	64	5320	14.80	15.00		23.98	23.98	5.48	5.46	26.99	Pass
HT20	MCS0	1	52	5260	15.90	15.90		23.98	23.98	5.48	5.46	26.99	Pass
HT20	MCS0	1	60	5300	16.00	16.00		23.98	23.98	5.48	5.46	26.99	Pass
HT20	MCS0	1	64	5320	14.80	15.00		23.98	23.98	5.48	5.46	26.99	Pass
HT40	MCS0	1	54	5270	16.00	15.90		23.98	23.98	5.48	5.46	26.99	Pass
HT40	MCS0	1	62	5310	12.90	13.20		23.98	23.98	5.48	5.46	26.99	Pass
VHT20	MCS0	1	52	5260	15.90	15.90		23.98	23.98	5.48	5.46	26.99	Pass
VHT20	MCS0	1	60	5300	15.90	15.90		23.98	23.98	5.48	5.46	26.99	Pass
VHT20	MCS0	1	64	5320	14.80	14.90		23.98	23.98	5.48	5.46	26.99	Pass
VHT40	MCS0	1	54	5270	15.90	15.90		23.98	23.98	5.48	5.46	26.99	Pass
VHT40	MCS0	1	62	5310	12.80	13.10		23.98	23.98	5.48	5.46	26.99	Pass
VHT80	MCS0	1	58	5290	10.90	11.00		23.98	23.98	5.48	5.46	26.99	Pass

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	5.11	5.36		11.00	11.00	5.48	5.46		Pass
11a	6Mbps	1	60	5300	5.12	5.38		11.00	11.00	5.48	5.46		Pass
11a	6Mbps	1	64	5320	4.13	4.46		11.00	11.00	5.48	5.46		Pass
HT20	MCS0	1	52	5260	4.92	5.16		11.00	11.00	5.48	5.46		Pass
HT20	MCS0	1	60	5300	4.97	5.24		11.00	11.00	5.48	5.46		Pass
HT20	MCS0	1	64	5320	3.97	4.32		11.00	11.00	5.48	5.46		Pass
HT40	MCS0	1	54	5270	1.40	1.40		11.00	11.00	5.48	5.46		Pass
HT40	MCS0	1	62	5310	-1.73	-1.63		11.00	11.00	5.48	5.46		Pass
VHT80	MCS0	1	58	5290	-7.36	-7.14		11.00	11.00	5.48	5.46		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	16.83	16.88	20.00	20.05	23.26	23.27	29.26	29.27	23.98	23.98	----	----
11a	6Mbps	1	116	5580	17.13	17.18	28.95	28.85	23.34	23.35	29.34	29.35	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.88	16.88	20.35	20.10	23.27	23.27	29.27	29.27	23.98	23.98	----	----
HT20	MCS0	1	100	5500	17.73	17.73	20.30	20.25	23.49	23.49	29.49	29.49	23.98	23.98	----	----
HT20	MCS0	1	116	5580	17.78	17.83	20.55	20.80	23.50	23.51	29.50	29.51	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.73	17.73	20.30	20.35	23.49	23.49	29.49	29.49	23.98	23.98	----	----
HT40	MCS0	1	102	5510	36.56	36.66	40.23	40.32	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	110	5550	36.86	36.86	49.23	48.87	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	134	5670	36.66	36.66	40.41	40.23	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	106	5530	76.36	76.36	82.72	82.72	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	76.36	76.36	82.56	87.68	23.98	23.98	30.00	30.00	23.98	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	13.59	13.64	19.90	21.30	22.33	22.35	28.33	28.35	23.98	23.98	3.25	3.25
HT20	MCS0	1	144	5720	13.89	13.94	15.30	15.40	22.43	22.44	28.43	28.44	22.85	22.88	3.8	3.85
HT40	MCS0	1	142	5710	33.58	33.38	50.91	43.71	23.98	23.98	30.00	30.00	23.98	23.98	3.18	3.18
VHT80	MCS0	1	138	5690	73.24	73.24	86.04	95.48	23.98	23.98	30.00	30.00	23.98	23.98	3.4	3.4

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	13.50	13.50		23.98	23.98	5.25	5.35	26.99	Pass
11a	6Mbps	1	116	5580	16.10	16.20		23.98	23.98	5.25	5.35	26.99	Pass
11a	6Mbps	1	140	5700	11.80	12.10		23.98	23.98	5.25	5.35	26.99	Pass
HT20	MCS0	1	100	5500	14.60	14.50		23.98	23.98	5.25	5.35	26.99	Pass
HT20	MCS0	1	116	5580	16.30	16.20		23.98	23.98	5.25	5.35	26.99	Pass
HT20	MCS0	1	140	5700	13.10	13.00		23.98	23.98	5.25	5.35	26.99	Pass
HT40	MCS0	1	102	5510	13.20	13.30		23.98	23.98	5.25	5.35	26.99	Pass
HT40	MCS0	1	110	5550	16.40	16.50		23.98	23.98	5.25	5.35	26.99	Pass
HT40	MCS0	1	134	5670	12.90	13.20		23.98	23.98	5.25	5.35	26.99	Pass
VHT20	MCS0	1	100	5500	14.50	14.40		23.98	23.98	5.25	5.35	26.99	Pass
VHT20	MCS0	1	116	5580	16.30	16.10		23.98	23.98	5.25	5.35	26.99	Pass
VHT20	MCS0	1	140	5700	13.00	13.00		23.98	23.98	5.25	5.35	26.99	Pass
VHT40	MCS0	1	102	5510	13.10	13.30		23.98	23.98	5.25	5.35	26.99	Pass
VHT40	MCS0	1	110	5550	16.40	16.40		23.98	23.98	5.25	5.35	26.99	Pass
VHT40	MCS0	1	134	5670	12.90	13.10		23.98	23.98	5.25	5.35	26.99	Pass
VHT80	MCS0	1	106	5530	10.20	10.50		23.98	23.98	5.25	5.35	26.99	Pass
VHT80	MCS0	1	122	5610	14.00	15.10		23.98	23.98	5.25	5.35	26.99	Pass

FCC Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	15.80	16.00		23.98	23.98	5.25	5.35	26.99	Pass
HT20	MCS0	1	144	5720	15.90	16.20		22.85	22.88	5.25	5.35	26.99	Pass
HT40	MCS0	1	142	5710	16.00	15.90		23.98	23.98	5.25	5.35	26.99	Pass
VHT20	MCS0	1	144	5720	15.80	16.10		22.85	22.88	5.25	5.35	26.99	Pass
VHT40	MCS0	1	142	5710	15.90	15.90		23.98	23.98	5.25	5.35	26.99	Pass
VHT80	MCS0	1	138	5690	16.00	16.20		23.98	23.98	5.25	5.35	26.99	Pass

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	2.39	2.54		11.00	11.00	5.25	5.35		Pass
11a	6Mbps	1	116	5580	5.16	5.33		11.00	11.00	5.25	5.35		Pass
11a	6Mbps	1	140	5700	0.92	1.26		11.00	11.00	5.25	5.35		Pass
HT20	MCS0	1	100	5500	3.26	3.32		11.00	11.00	5.25	5.35		Pass
HT20	MCS0	1	116	5580	5.01	5.10		11.00	11.00	5.25	5.35		Pass
HT20	MCS0	1	140	5700	1.77	2.19		11.00	11.00	5.25	5.35		Pass
HT40	MCS0	1	102	5510	-1.27	-1.28		11.00	11.00	5.25	5.35		Pass
HT40	MCS0	1	110	5550	1.51	1.45		11.00	11.00	5.25	5.35		Pass
HT40	MCS0	1	134	5670	-0.86	-1.37		11.00	11.00	5.25	5.35		Pass
VHT80	MCS0	1	106	5530	-8.33	-8.04		11.00	11.00	5.25	5.35		Pass
VHT80	MCS0	1	122	5610	-4.53	-3.10		11.00	11.00	5.25	5.35		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	4.96	5.35		11.00	11.00	5.25	5.35		Pass
HT20	MCS0	1	144	5720	4.75	5.17		11.00	11.00	5.25	5.35		Pass
HT40	MCS0	1	142	5710	1.94	1.38		11.00	11.00	5.25	5.35		Pass
VHT80	MCS0	1	138	5690	-2.63	-2.10		11.00	11.00	5.25	5.35		Pass

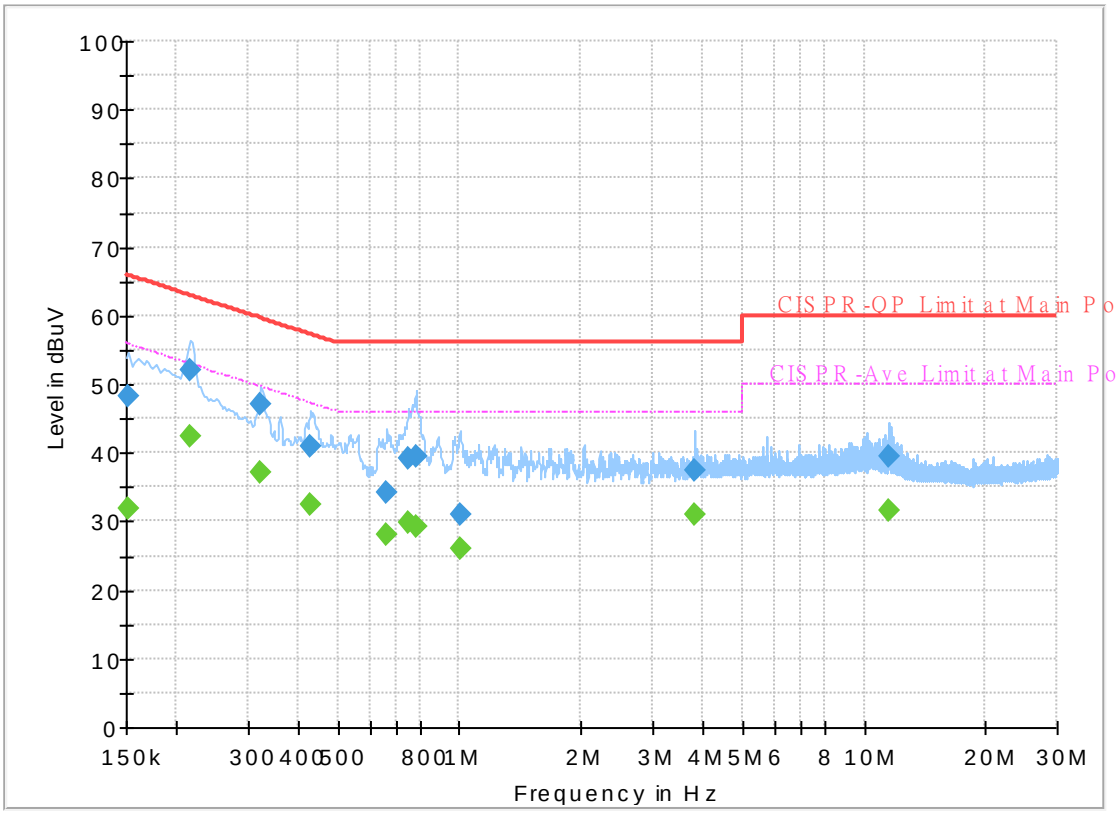
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



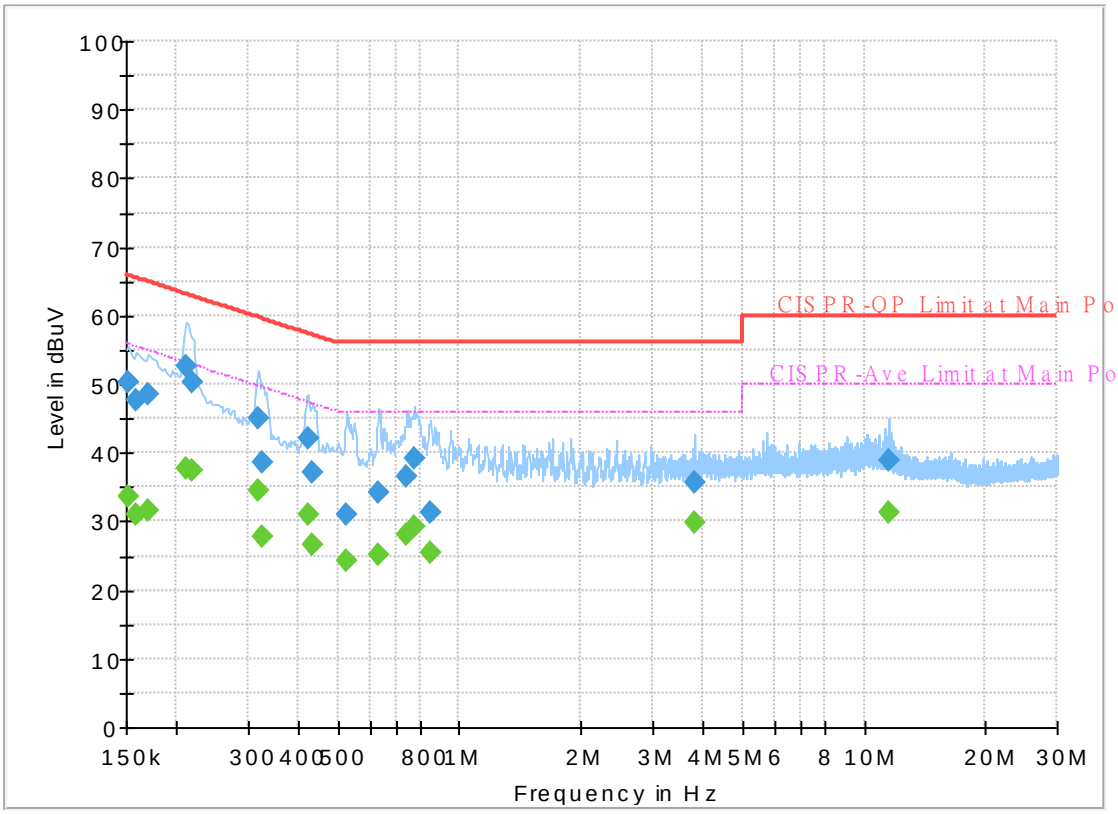
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.78	55.88	24.10	L1	OFF	19.7
0.152250	48.39	---	65.88	17.49	L1	OFF	19.7
0.215250	---	42.51	53.00	10.49	L1	OFF	19.7
0.215250	51.98	---	63.00	11.02	L1	OFF	19.7
0.323250	---	37.12	49.62	12.50	L1	OFF	19.7
0.323250	47.02	---	59.62	12.60	L1	OFF	19.7
0.429000	---	32.45	47.27	14.82	L1	OFF	19.7
0.429000	40.82	---	57.27	16.45	L1	OFF	19.7
0.663000	---	27.97	46.00	18.03	L1	OFF	20.0
0.663000	34.07	---	56.00	21.93	L1	OFF	20.0
0.748500	---	29.69	46.00	16.31	L1	OFF	20.0
0.748500	39.18	---	56.00	16.82	L1	OFF	20.0
0.782250	---	29.13	46.00	16.87	L1	OFF	20.1
0.782250	39.36	---	56.00	16.64	L1	OFF	20.1
1.000500	---	26.09	46.00	19.91	L1	OFF	20.2
1.000500	31.09	---	56.00	24.91	L1	OFF	20.2
3.819750	---	30.89	46.00	15.11	L1	OFF	20.0
3.819750	37.36	---	56.00	18.64	L1	OFF	20.0
11.458500	---	31.52	50.00	18.48	L1	OFF	20.2
11.458500	39.51	---	60.00	20.49	L1	OFF	20.2

EUT Information

Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	33.60	55.88	22.28	N	OFF	19.7
0.152250	50.31	---	65.88	15.57	N	OFF	19.7
0.159000	---	31.08	55.52	24.44	N	OFF	19.7
0.159000	47.66	---	65.52	17.86	N	OFF	19.7
0.170250	---	31.60	54.95	23.35	N	OFF	19.7
0.170250	48.51	---	64.95	16.44	N	OFF	19.7
0.210750	---	37.69	53.18	15.49	N	OFF	19.7
0.210750	52.69	---	63.18	10.49	N	OFF	19.7
0.217500	---	37.42	52.91	15.49	N	OFF	19.7
0.217500	50.20	---	62.91	12.71	N	OFF	19.7
0.316500	---	34.53	49.80	15.27	N	OFF	19.7
0.316500	45.02	---	59.80	14.78	N	OFF	19.7
0.325500	---	27.90	49.57	21.67	N	OFF	19.7
0.325500	38.62	---	59.57	20.95	N	OFF	19.7
0.422250	---	31.05	47.40	16.35	N	OFF	19.7
0.422250	42.02	---	57.40	15.38	N	OFF	19.7
0.433500	---	26.52	47.19	20.67	N	OFF	19.7
0.433500	37.28	---	57.19	19.91	N	OFF	19.7
0.528000	---	24.25	46.00	21.75	N	OFF	19.8
0.528000	30.97	---	56.00	25.03	N	OFF	19.8
0.633750	---	25.15	46.00	20.85	N	OFF	19.9

0.633750	**34.33**	**---**	**56.00**	**21.67**	**N**	**OFF**	**19.9**
0.741750	**---**	**27.98**	**46.00**	**18.02**	**N**	**OFF**	**20.0**
0.741750	**36.56**	**---**	**56.00**	**19.44**	**N**	**OFF**	**20.0**
0.773250	**---**	**29.21**	**46.00**	**16.79**	**N**	**OFF**	**20.1**
0.773250	**39.23**	**---**	**56.00**	**16.77**	**N**	**OFF**	**20.1**
0.845250	**---**	**25.49**	**46.00**	**20.51**	**N**	**OFF**	**20.1**
0.845250	**31.43**	**---**	**56.00**	**24.57**	**N**	**OFF**	**20.1**
3.819750	**---**	**29.87**	**46.00**	**16.13**	**N**	**OFF**	**20.0**
3.819750	**35.77**	**---**	**56.00**	**20.23**	**N**	**OFF**	**20.0**
11.458500	**---**	**31.29**	**50.00**	**18.71**	**N**	**OFF**	**20.2**
11.458500	**38.81**	**---**	**60.00**	**21.19**	**N**	**OFF**	**20.2**

Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee, Jacky Hong, and Wilson Wu	Temperature :	20~25°C
		Relative Humidity :	40~60%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	67.86	-6.14	74	56.79	32.2	6.28	27.41	241	86	P	H
		5150	51.63	-2.37	54	40.56	32.2	6.28	27.41	241	86	A	H
	*	5180	111.93	-	-	100.97	32.08	6.28	27.4	241	86	P	H
	*	5180	104.07	-	-	93.11	32.08	6.28	27.4	241	86	A	H
													H
													H
		5149.5	61.68	-12.32	74	50.61	32.2	6.28	27.41	122	93	P	V
		5150	46.45	-7.55	54	35.38	32.2	6.28	27.41	122	93	A	V
	*	5180	104.88	-	-	93.92	32.08	6.28	27.4	122	93	P	V
	*	5180	97.06	-	-	86.1	32.08	6.28	27.4	122	93	A	V
													V
													V
802.11a CH 44 5220MHz		5019.5	57.92	-16.08	74	47.2	31.92	6.24	27.44	100	86	P	H
		5150	46.57	-7.43	54	35.5	32.2	6.28	27.41	100	86	A	H
	*	5220	112.95	-	-	102.12	31.92	6.3	27.39	100	86	P	H
	*	5220	105.19	-	-	94.36	31.92	6.3	27.39	100	86	A	H
		5351.64	54.09	-19.91	74	43.47	31.61	6.37	27.36	100	86	P	H
		5370.12	43.72	-10.28	54	32.97	31.72	6.38	27.35	100	86	A	H
		5146.64	53.86	-20.14	74	42.8	32.19	6.28	27.41	385	162	P	V
		5063.7	43.8	-10.2	54	32.87	32.1	6.26	27.43	385	162	A	V
	*	5220	106.93	-	-	96.1	31.92	6.3	27.39	385	162	P	V
	*	5220	99.05	-	-	88.22	31.92	6.3	27.39	385	162	A	V
		5456.36	51.35	-22.65	74	40.34	31.93	6.41	27.33	385	162	P	V
		5459.72	41.98	-12.02	54	30.96	31.94	6.41	27.33	385	162	A	V

802.11a CH 48 5240MHz		5058.5	57.21	-16.79	74	46.29	32.1	6.25	27.43	100	85	P	H
		5083.46	46.06	-7.94	54	35.13	32.1	6.26	27.43	100	85	A	H
	*	5240	112.75	-	-	101.99	31.84	6.31	27.39	100	85	P	H
	*	5240	104.85	-	-	94.09	31.84	6.31	27.39	100	85	A	H
		5365.64	53.28	-20.72	74	42.57	31.69	6.37	27.35	100	85	P	H
		5395.6	44.15	-9.85	54	33.24	31.87	6.39	27.35	100	85	A	H
		5008.06	54.22	-19.78	74	43.58	31.85	6.24	27.45	381	159	P	V
		5088.66	43.82	-10.18	54	32.89	32.1	6.26	27.43	381	159	A	V
	*	5240	106.77	-	-	96.01	31.84	6.31	27.39	381	159	P	V
	*	5240	99.03	-	-	88.27	31.84	6.31	27.39	381	159	A	V
		5407.36	52.9	-21.1	74	41.95	31.9	6.39	27.34	381	159	P	V
		5458.04	41.92	-12.08	54	30.91	31.93	6.41	27.33	381	159	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.79	-21.41	68.2	53.16	39.94	10.15	56.46	-	-	P	H
		15540	46.01	-27.99	74	50.72	39.44	12.03	56.18	-	-	P	H
		17989	55.82	-18.18	74	51.15	48.2	13.19	56.72	200	231	P	H
		17989	45.9	-8.1	54	41.23	48.2	13.19	56.72	200	231	A	H
		10360	46.98	-21.22	68.2	53.35	39.94	10.15	56.46	-	-	P	V
		15540	45.4	-28.6	74	50.11	39.44	12.03	56.18	-	-	P	V
		17978	56.45	-17.55	74	52.07	47.91	13.19	56.72	122	311	P	V
		17978	46.49	-7.51	54	42.11	47.91	13.19	56.72	122	311	A	V
802.11a CH 44 5220MHz		10440	48.28	-19.92	68.2	54.33	40.22	10.19	56.46	-	-	P	H
		15660	46.19	-27.81	74	51.18	38.9	12.04	55.93	-	-	P	H
		17989	55.59	-18.41	74	50.92	48.2	13.19	56.72	210	247	P	H
		17989	45.96	-8.04	54	41.29	48.2	13.19	56.72	210	247	A	H
		10440	48.71	-19.49	68.2	54.76	40.22	10.19	56.46	-	-	P	V
		15660	45.44	-28.56	74	50.43	38.9	12.04	55.93	-	-	P	V
		17989	56.1	-17.9	74	51.43	48.2	13.19	56.72	100	311	P	V
		17989	45.88	-8.12	54	41.21	48.2	13.19	56.72	100	311	A	V
802.11a CH 48 5240MHz		10480	48.47	-19.73	68.2	54.38	40.34	10.21	56.46	-	-	P	H
		15720	45.22	-28.78	74	50.29	38.68	12.05	55.8	-	-	P	H
		17967	56.77	-17.23	74	52.71	47.61	13.17	56.72	200	239	P	H
		17967	45.43	-8.57	54	41.37	47.61	13.17	56.72	200	239	A	H
		10480	49.17	-19.03	68.2	55.08	40.34	10.21	56.46	-	-	P	V
		15720	45.84	-28.16	74	50.91	38.68	12.05	55.8	-	-	P	V
		17978	56.94	-17.06	74	52.56	47.91	13.19	56.72	100	308	P	V
		17978	45.69	-8.31	54	41.31	47.91	13.19	56.72	100	308	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	68.52	-5.48	74	57.45	32.2	6.28	27.41	110	77	P	H
		5150	52.03	-1.97	54	40.96	32.2	6.28	27.41	110	77	A	H
	*	5180	110.68	-	-	99.72	32.08	6.28	27.4	110	77	P	H
	*	5180	103.15	-	-	92.19	32.08	6.28	27.4	110	77	A	H
802.11n													H
HT20													H
CH 36		5147.94	61.28	-12.72	74	50.21	32.2	6.28	27.41	393	159	P	V
5180MHz		5150	47.1	-6.9	54	36.03	32.2	6.28	27.41	393	159	A	V
	*	5180	105.72	-	-	94.76	32.08	6.28	27.4	393	159	P	V
	*	5180	98.08	-	-	87.12	32.08	6.28	27.4	393	159	A	V
													V
													V
		5148.46	55.18	-18.82	74	44.11	32.2	6.28	27.41	100	78	P	H
		5150	46.41	-7.59	54	35.34	32.2	6.28	27.41	100	78	A	H
	*	5220	111.02	-	-	100.19	31.92	6.3	27.39	100	78	P	H
	*	5220	103.47	-	-	92.64	31.92	6.3	27.39	100	78	A	H
802.11n		5453.28	51.26	-22.74	74	40.27	31.91	6.41	27.33	100	78	P	H
HT20		5371.52	42.36	-11.64	54	31.6	31.73	6.38	27.35	100	78	A	H
CH 44		5039.26	53.06	-20.94	74	42.21	32.04	6.25	27.44	387	162	P	V
5220MHz		5073.32	43.1	-10.9	54	32.17	32.1	6.26	27.43	387	162	A	V
	*	5220	105.6	-	-	94.77	31.92	6.3	27.39	387	162	P	V
	*	5220	97.99	-	-	87.16	31.92	6.3	27.39	387	162	A	V
		5451.04	50.86	-23.14	74	39.88	31.9	6.41	27.33	387	162	P	V
		5459.16	41.05	-12.95	54	30.03	31.94	6.41	27.33	387	162	A	V

		5085.28	54.54	-19.46	74	43.61	32.1	6.26	27.43	102	78	P	H
		5079.56	44.91	-9.09	54	33.98	32.1	6.26	27.43	102	78	A	H
	*	5240	111.02	-	-	100.26	31.84	6.31	27.39	102	78	P	H
	*	5240	103.37	-	-	92.61	31.84	6.31	27.39	102	78	A	H
802.11n		5459.16	53.11	-20.89	74	42.09	31.94	6.41	27.33	102	78	P	H
HT20		5358.64	42.27	-11.73	54	31.61	31.65	6.37	27.36	102	78	A	H
CH 48		5146.12	52.31	-21.69	74	41.25	32.19	6.28	27.41	381	158	P	V
5240MHz		5094.12	42.94	-11.06	54	32.01	32.1	6.26	27.43	381	158	A	V
	*	5240	105.42	-	-	94.66	31.84	6.31	27.39	381	158	P	V
	*	5240	97.94	-	-	87.18	31.84	6.31	27.39	381	158	A	V
		5377.68	50.99	-23.01	74	40.19	31.77	6.38	27.35	381	158	P	V
		5459.44	40.9	-13.1	54	29.88	31.94	6.41	27.33	381	158	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	48.3	-19.9	68.2	54.67	39.94	10.15	56.46	-	-	P	H
		15540	45.71	-28.29	74	50.42	39.44	12.03	56.18	-	-	P	H
		18000	55.54	-18.46	74	50.56	48.5	13.2	56.72	200	241	P	H
		18000	46.18	-7.82	54	41.2	48.5	13.2	56.72	200	241	A	H
		10360	47.78	-20.42	68.2	54.15	39.94	10.15	56.46	-	-	P	V
		15540	46	-28	74	50.71	39.44	12.03	56.18	-	-	P	V
		18000	56.69	-17.31	74	51.71	48.5	13.2	56.72	100	322	P	V
		18000	46.16	-7.84	54	41.18	48.5	13.2	56.72	100	322	A	V
802.11n HT20 CH 44 5220MHz		10440	48.21	-19.99	68.2	54.26	40.22	10.19	56.46	-	-	P	H
		15660	45.07	-28.93	74	50.06	38.9	12.04	55.93	-	-	P	H
		17978	56.3	-17.7	74	51.92	47.91	13.19	56.72	200	227	P	H
		17978	45.69	-8.31	54	41.31	47.91	13.19	56.72	200	227	A	H
		10440	47.52	-20.68	68.2	53.57	40.22	10.19	56.46	-	-	P	V
		15660	45.79	-28.21	74	50.78	38.9	12.04	55.93	-	-	P	V
		17989	56.56	-17.44	74	51.89	48.2	13.19	56.72	100	327	P	V
		17989	45.91	-8.09	54	41.24	48.2	13.19	56.72	100	327	A	V
802.11n HT20 CH 48 5240MHz		10480	48.67	-19.53	68.2	54.58	40.34	10.21	56.46	-	-	P	H
		15720	46.79	-27.21	74	51.86	38.68	12.05	55.8	-	-	P	H
		18000	56.51	-17.49	74	51.53	48.5	13.2	56.72	203	252	P	H
		18000	46.25	-7.75	54	41.27	48.5	13.2	56.72	203	252	A	H
		10480	48.4	-19.8	68.2	54.31	40.34	10.21	56.46	-	-	P	V
		15720	46.58	-27.42	74	51.65	38.68	12.05	55.8	-	-	P	V
		18000	55.93	-18.07	74	50.95	48.5	13.2	56.72	100	310	P	V
		18000	46.27	-7.73	54	41.29	48.5	13.2	56.72	100	310	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5148.2	62.06	-11.94	74	50.99	32.2	6.28	27.41	258	86	P	H
		5150	52.38	-1.62	54	41.31	32.2	6.28	27.41	258	86	A	H
	*	5190	107.08	-	-	96.15	32.04	6.29	27.4	258	86	P	H
	*	5190	99.39	-	-	88.46	32.04	6.29	27.4	258	86	A	H
		5439.56	53.76	-20.24	74	42.8	31.9	6.4	27.34	258	86	P	H
		5459.72	42.94	-11.06	54	31.92	31.94	6.41	27.33	258	86	A	H
		5149.76	54.52	-19.48	74	43.45	32.2	6.28	27.41	106	92	P	V
		5150	46.74	-7.26	54	35.67	32.2	6.28	27.41	106	92	A	V
	*	5190	99.95	-	-	89.02	32.04	6.29	27.4	106	92	P	V
	*	5190	92.21	-	-	81.28	32.04	6.29	27.4	106	92	A	V
		5441.52	52.76	-21.24	74	41.8	31.9	6.4	27.34	106	92	P	V
		5459.16	42.08	-11.92	54	31.06	31.94	6.41	27.33	106	92	A	V
802.11n HT40 CH 46 5230MHz		5144.04	56.44	-17.56	74	45.38	32.19	6.28	27.41	112	97	P	H
		5150	47.38	-6.62	54	36.31	32.2	6.28	27.41	112	97	A	H
	*	5230	108.36	-	-	97.57	31.88	6.3	27.39	112	97	P	H
	*	5230	100.99	-	-	90.2	31.88	6.3	27.39	112	97	A	H
		5356.68	54.96	-19.04	74	44.31	31.64	6.37	27.36	112	97	P	H
		5350	43.87	-10.13	54	33.27	31.6	6.36	27.36	112	97	A	H
		5074.36	53.49	-20.51	74	42.56	32.1	6.26	27.43	387	162	P	V
		5070.72	43.51	-10.49	54	32.58	32.1	6.26	27.43	387	162	A	V
	*	5230	102.84	-	-	92.05	31.88	6.3	27.39	387	162	P	V
	*	5230	95.26	-	-	84.47	31.88	6.3	27.39	387	162	A	V
		5360.04	51.47	-22.53	74	40.8	31.66	6.37	27.36	387	162	P	V
		5458.32	41.19	-12.81	54	30.18	31.93	6.41	27.33	387	162	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	47.45	-20.75	68.2	53.73	40.02	10.16	56.46	-	-	P	H
		15570	46.07	-27.93	74	50.84	39.32	12.03	56.12	-	-	P	H
		18000	55.77	-18.23	74	50.79	48.5	13.2	56.72	200	231	P	H
		18000	46.31	-7.69	54	41.33	48.5	13.2	56.72	200	231	A	H
		10380	48.15	-20.05	68.2	54.43	40.02	10.16	56.46	-	-	P	V
		15570	47.82	-26.18	74	52.59	39.32	12.03	56.12	-	-	P	V
		17956	56.6	-17.4	74	52.85	47.31	13.16	56.72	100	311	P	V
		17956	44.98	-9.02	54	41.23	47.31	13.16	56.72	100	311	A	V
802.11n HT40 CH 46 5230MHz		10460	48.66	-19.54	68.2	54.64	40.28	10.2	56.46	-	-	P	H
		15690	45.34	-28.66	74	50.41	38.75	12.04	55.86	-	-	P	H
		17989	56	-18	74	51.33	48.2	13.19	56.72	200	236	P	H
		17989	46.01	-7.99	54	41.34	48.2	13.19	56.72	200	236	A	H
		10460	48.61	-19.59	68.2	54.59	40.28	10.2	56.46	-	-	P	V
		15690	45.29	-28.71	74	50.36	38.75	12.04	55.86	-	-	P	V
		17989	55.67	-18.33	74	51	48.2	13.19	56.72	100	327	P	V
		17989	45.79	-8.21	54	41.12	48.2	13.19	56.72	100	327	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5138.06	60.95	-13.05	74	49.91	32.18	6.27	27.41	258	86	P	H
		5150	51.96	-2.04	54	40.89	32.2	6.28	27.41	258	86	A	H
	*	5210	102.78	-	-	91.92	31.96	6.3	27.4	258	86	P	H
	*	5210	93.84	-	-	82.98	31.96	6.3	27.4	258	86	A	H
		5353.04	53.36	-20.64	74	42.73	31.62	6.37	27.36	258	86	P	H
		5350	44.08	-9.92	54	33.48	31.6	6.36	27.36	258	86	A	H
		5146.38	55.89	-18.11	74	44.83	32.19	6.28	27.41	105	92	P	V
		5140.66	46.4	-7.6	54	35.35	32.18	6.28	27.41	105	92	A	V
	*	5210	94.89	-	-	84.03	31.96	6.3	27.4	105	92	P	V
	*	5210	86.13	-	-	75.27	31.96	6.3	27.4	105	92	A	V
		5353.32	51.81	-22.19	74	41.18	31.62	6.37	27.36	105	92	P	V
		5458.88	42.13	-11.87	54	31.11	31.94	6.41	27.33	105	92	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	47.43	-20.77	68.2	53.55	40.16	10.18	56.46	-	-	P	H
		15630	45.43	-28.57	74	50.34	39.05	12.03	55.99	-	-	P	H
		17967	55.38	-18.62	74	51.32	47.61	13.17	56.72	205	252	P	H
		17967	47.54	-6.46	54	43.48	47.61	13.17	56.72	205	252	A	H
		10420	48.46	-19.74	68.2	54.58	40.16	10.18	56.46	-	-	P	V
		15630	45.81	-28.19	74	50.72	39.05	12.03	55.99	-	-	P	V
		17978	56.94	-17.06	74	52.56	47.91	13.19	56.72	100	309	P	V
		17978	47.93	-6.07	54	43.55	47.91	13.19	56.72	100	309	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5021.08	57.54	-16.46	74	46.8	31.93	6.25	27.44	100	85	P	H
		5098.6	46.12	-7.88	54	35.18	32.1	6.26	27.42	100	85	A	H
	*	5260	112.31	-	-	101.59	31.78	6.32	27.38	100	85	P	H
	*	5260	104.54	-	-	93.82	31.78	6.32	27.38	100	85	A	H
		5356.32	55.55	-18.45	74	44.9	31.64	6.37	27.36	100	85	P	H
		5352	44.36	-9.64	54	33.74	31.61	6.37	27.36	100	85	A	H
		5111.18	55.05	-18.95	74	44.08	32.12	6.27	27.42	400	159	P	V
		5001.02	43.94	-10.06	54	33.34	31.81	6.24	27.45	400	159	A	V
	*	5260	106.67	-	-	95.95	31.78	6.32	27.38	400	159	P	V
	*	5260	98.78	-	-	88.06	31.78	6.32	27.38	400	159	A	V
		5421.36	52.3	-21.7	74	41.34	31.9	6.4	27.34	400	159	P	V
		5407.2	41.93	-12.07	54	30.98	31.9	6.39	27.34	400	159	A	V
802.11a CH 60 5300MHz		5110.16	57.03	-16.97	74	46.06	32.12	6.27	27.42	100	85	P	H
		5065.96	45.84	-8.16	54	34.91	32.1	6.26	27.43	100	85	A	H
	*	5300	112.36	-	-	101.69	31.7	6.34	27.37	100	85	P	H
	*	5300	104.57	-	-	93.9	31.7	6.34	27.37	100	85	A	H
		5350.8	66.29	-7.71	74	55.68	31.6	6.37	27.36	100	85	P	H
		5350.08	48.79	-5.21	54	38.18	31.6	6.37	27.36	100	85	A	H
		5056.44	54.68	-19.32	74	43.77	32.1	6.25	27.44	395	158	P	V
		5023.46	43.83	-10.17	54	33.08	31.94	6.25	27.44	395	158	A	V
	*	5300	106.25	-	-	95.58	31.7	6.34	27.37	395	158	P	V
	*	5300	98.4	-	-	87.73	31.7	6.34	27.37	395	158	A	V
		5419.92	52.93	-21.07	74	41.97	31.9	6.4	27.34	395	158	P	V
		5452.32	42.09	-11.91	54	31.1	31.91	6.41	27.33	395	158	A	V

802.11a CH 64 5320MHz	*	5320	110.56	-	-	99.92	31.66	6.35	27.37	277	67	P	H
	*	5320	102.58	-	-	91.94	31.66	6.35	27.37	277	67	A	H
		5350.72	71.6	-2.4	74	60.99	31.6	6.37	27.36	275	66	P	H
		5350.08	52.36	-1.64	54	41.75	31.6	6.37	27.36	275	66	A	H
													H
													H
	*	5320	103.17	-	-	92.53	31.66	6.35	27.37	392	134	P	V
	*	5320	95.42	-	-	84.78	31.66	6.35	27.37	392	134	A	V
		5350.56	63.99	-10.01	74	53.38	31.6	6.37	27.36	366	132	P	V
		5350.08	45.54	-8.46	54	34.93	31.6	6.37	27.36	366	132	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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	48.05	-20.15	68.2	53.89	40.36	10.23	56.43	-	-	P	H
		15780	45.42	-28.58	74	50.42	38.62	12.05	55.67	-	-	P	H
		17989	55.58	-18.42	74	50.91	48.2	13.19	56.72	200	251	P	H
		17989	48.12	-5.88	54	43.45	48.2	13.19	56.72	200	251	A	H
		10520	47.62	-20.58	68.2	53.46	40.36	10.23	56.43	-	-	P	V
		15780	45.38	-28.62	74	50.38	38.62	12.05	55.67	-	-	P	V
		18000	56.34	-17.66	74	51.36	48.5	13.2	56.72	100	327	P	V
		18000	48.18	-5.82	54	43.2	48.5	13.2	56.72	100	327	A	V
i802.11a CH 60 5300MHz		10600	46.68	-27.32	74	52.53	40.2	10.27	56.32	-	-	P	H
		15900	45.56	-28.44	74	50.2	38.7	12.07	55.41	-	-	P	H
		17978	55.86	-18.14	74	51.48	47.91	13.19	56.72	211	263	P	H
		17978	47.56	-6.44	54	43.18	47.91	13.19	56.72	211	263	A	H
		10600	46.75	-27.25	74	52.6	40.2	10.27	56.32	-	-	P	V
		15900	45.57	-28.43	74	50.21	38.7	12.07	55.41	-	-	P	V
		17989	55.33	-18.67	74	50.66	48.2	13.19	56.72	100	312	P	V
		17989	47.87	-6.13	54	43.2	48.2	13.19	56.72	100	312	A	V
802.11a CH 64 5320MHz		10640	47.86	-26.14	74	53.52	40.32	10.29	56.27	-	-	P	H
		15960	44.19	-29.81	74	48.89	38.52	12.07	55.29	-	-	P	H
		17967	55.85	-18.15	74	51.79	47.61	13.17	56.72	200	236	P	H
		17967	47.58	-6.42	54	43.52	47.61	13.17	56.72	200	236	A	H
		10640	47.21	-26.79	74	52.87	40.32	10.29	56.27	-	-	P	V
		15960	45.41	-28.59	74	50.11	38.52	12.07	55.29	-	-	P	V
		18000	55.75	-18.25	74	50.77	48.5	13.2	56.72	100	311	P	V
		18000	48.18	-5.82	54	43.2	48.5	13.2	56.72	100	311	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5104.72	53.98	-20.02	74	43.02	32.11	6.27	27.42	111	102	P	H
		5103.36	44.29	-9.71	54	33.33	32.11	6.27	27.42	111	102	A	H
	*	5260	110.88	-	-	100.16	31.78	6.32	27.38	111	102	P	H
	*	5260	103.33	-	-	92.61	31.78	6.32	27.38	111	102	A	H
802.11n		5416.56	53.27	-20.73	74	42.32	31.9	6.39	27.34	111	102	P	H
HT20		5350.8	42.81	-11.19	54	32.2	31.6	6.37	27.36	111	102	A	H
CH 52		5010.2	52.89	-21.11	74	42.24	31.86	6.24	27.45	400	160	P	V
5260MHz		5113.9	43.04	-10.96	54	32.06	32.13	6.27	27.42	400	160	A	V
	*	5260	105.3	-	-	94.58	31.78	6.32	27.38	400	160	P	V
	*	5260	97.54	-	-	86.82	31.78	6.32	27.38	400	160	A	V
		5386.08	50.43	-23.57	74	39.58	31.82	6.38	27.35	400	160	P	V
		5405.52	40.94	-13.06	54	29.99	31.9	6.39	27.34	400	160	A	V
		5140.76	54.48	-19.52	74	43.43	32.18	6.28	27.41	100	102	P	H
		5138.72	44.4	-9.6	54	33.36	32.18	6.27	27.41	100	102	A	H
	*	5300	110.68	-	-	100.01	31.7	6.34	27.37	100	102	P	H
	*	5300	103.07	-	-	92.4	31.7	6.34	27.37	100	102	A	H
802.11n		5350.08	59.61	-14.39	74	49	31.6	6.37	27.36	100	102	P	H
HT20		5350.08	47.02	-6.98	54	36.41	31.6	6.37	27.36	100	102	A	H
CH 60		5061.54	53.11	-20.89	74	42.18	32.1	6.26	27.43	398	158	P	V
5300MHz		5142.8	42.92	-11.08	54	31.86	32.19	6.28	27.41	398	158	A	V
	*	5300	104.66	-	-	93.99	31.7	6.34	27.37	398	158	P	V
	*	5300	97	-	-	86.33	31.7	6.34	27.37	398	158	A	V
		5415.6	51.21	-22.79	74	40.26	31.9	6.39	27.34	398	158	P	V
		5458.08	41.25	-12.75	54	30.24	31.93	6.41	27.33	398	158	A	V

	*	5320	109.49	-	-	98.85	31.66	6.35	27.37	107	101	P	H
	*	5320	101.86	-	-	91.22	31.66	6.35	27.37	107	101	A	H
		5351.84	70.82	-3.18	74	60.2	31.61	6.37	27.36	107	101	P	H
		5351.52	50.91	-3.09	54	40.29	31.61	6.37	27.36	107	101	A	H
802.11n													H
HT20													H
CH 64	*	5320	102.98	-	-	92.34	31.66	6.35	27.37	372	165	P	V
5320MHz	*	5320	95.39	-	-	84.75	31.66	6.35	27.37	372	165	A	V
		5353.12	57.87	-16.13	74	47.24	31.62	6.37	27.36	372	165	P	V
		5351.2	43.73	-10.27	54	33.11	31.61	6.37	27.36	372	165	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. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	47.66	-20.54	68.2	53.5	40.36	10.23	56.43	-	-	P	H
		15780	45.85	-28.15	74	50.85	38.62	12.05	55.67	-	-	P	H
		18000	56.6	-17.4	74	51.62	48.5	13.2	56.72	200	255	P	H
		18000	46.53	-7.47	54	41.55	48.5	13.2	56.72	200	255	A	H
		10520	47.64	-20.56	68.2	53.48	40.36	10.23	56.43	-	-	P	V
		15780	45.28	-28.72	74	50.28	38.62	12.05	55.67	-	-	P	V
		17967	55.58	-18.42	74	51.52	47.61	13.17	56.72	100	335	P	V
		17967	45.46	-8.54	54	41.4	47.61	13.17	56.72	100	335	A	V
802.11n HT20 CH 60 5300MHz		10600	47.15	-26.85	74	53	40.2	10.27	56.32	-	-	P	H
		15900	45.3	-28.7	74	49.94	38.7	12.07	55.41	-	-	P	H
		17989	56.47	-17.53	74	51.8	48.2	13.19	56.72	200	239	P	H
		17989	46.35	-7.65	54	41.68	48.2	13.19	56.72	200	239	A	H
		10600	47.4	-26.6	74	53.25	40.2	10.27	56.32	-	-	P	V
		15900	45.65	-28.35	74	50.29	38.7	12.07	55.41	-	-	P	V
		17989	56.81	-17.19	74	52.14	48.2	13.19	56.72	100	341	P	V
		17989	45.77	-8.23	54	41.1	48.2	13.19	56.72	100	341	A	V
802.11n HT20 CH 64 5320MHz		10640	46.69	-27.31	74	52.35	40.32	10.29	56.27	-	-	P	H
		15960	43.85	-30.15	74	48.55	38.52	12.07	55.29	-	-	P	H
		17978	56.73	-17.27	74	52.35	47.91	13.19	56.72	204	217	P	H
		17978	45.6	-8.4	54	41.22	47.91	13.19	56.72	204	217	A	H
		10640	47.03	-26.97	74	52.69	40.32	10.29	56.27	-	-	P	V
		15960	44.98	-29.02	74	49.68	38.52	12.07	55.29	-	-	P	V
		18000	55.6	-18.4	74	50.62	48.5	13.2	56.72	102	334	P	V
		18000	45.54	-8.46	54	40.56	48.5	13.2	56.72	102	334	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5120.7	55.81	-18.19	74	44.82	32.14	6.27	27.42	111	103	P	H
		5121.04	44.7	-9.3	54	33.71	32.14	6.27	27.42	111	103	A	H
	*	5270	108.43	-	-	97.73	31.76	6.32	27.38	111	103	P	H
	*	5270	100.6	-	-	89.9	31.76	6.32	27.38	111	103	A	H
		5369.28	60.84	-13.16	74	50.1	31.72	6.37	27.35	111	103	P	H
		5350.08	48.72	-5.28	54	38.11	31.6	6.37	27.36	111	103	A	H
		5010.54	52.78	-21.22	74	42.13	31.86	6.24	27.45	400	156	P	V
		5114.24	43.1	-10.9	54	32.12	32.13	6.27	27.42	400	156	A	V
	*	5270	102.35	-	-	91.65	31.76	6.32	27.38	400	156	P	V
	*	5270	94.7	-	-	84	31.76	6.32	27.38	400	156	A	V
		5371.68	51.85	-22.15	74	41.09	31.73	6.38	27.35	400	156	P	V
		5376	41.48	-12.52	54	30.69	31.76	6.38	27.35	400	156	A	V
802.11n HT40 CH 62 5310MHz		5147.22	56.33	-17.67	74	45.27	32.19	6.28	27.41	258	86	P	H
		5109.82	45.08	-8.92	54	34.11	32.12	6.27	27.42	258	86	A	H
	*	5310	106.9	-	-	96.25	31.68	6.34	27.37	258	86	P	H
	*	5310	99.29	-	-	88.64	31.68	6.34	27.37	258	86	A	H
		5354.16	62.6	-11.4	74	51.97	31.62	6.37	27.36	258	86	P	H
		5350.08	50.2	-3.8	54	39.59	31.6	6.37	27.36	258	86	A	H
		5020.4	54.93	-19.07	74	44.2	31.92	6.25	27.44	100	94	P	V
		5063.92	43.65	-10.35	54	32.72	32.1	6.26	27.43	100	94	A	V
	*	5310	99.09	-	-	88.44	31.68	6.34	27.37	100	94	P	V
	*	5310	91.69	-	-	81.04	31.68	6.34	27.37	100	94	A	V
		5350.8	54.88	-19.12	74	44.27	31.6	6.37	27.36	100	94	P	V
		5350.08	44.41	-9.59	54	33.8	31.6	6.37	27.36	100	94	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. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	47.5	-20.7	68.2	53.34	40.32	10.24	56.4	-	-	P	H
		15810	44.56	-29.44	74	49.5	38.61	12.06	55.61	-	-	P	H
		18000	55.42	-18.58	74	50.44	48.5	13.2	56.72	200	248	P	H
		18000	45.33	-8.67	54	40.35	48.5	13.2	56.72	200	248	A	H
		10540	47.37	-20.83	68.2	53.21	40.32	10.24	56.4	-	-	P	V
		15810	44.31	-29.69	74	49.25	38.61	12.06	55.61	-	-	P	V
		17978	55.36	-18.64	74	50.98	47.91	13.19	56.72	100	316	P	V
		17978	45.22	-8.78	54	40.84	47.91	13.19	56.72	100	316	A	V
802.11n HT40 CH 62 5310MHz		10620	47.07	-26.93	74	52.82	40.26	10.28	56.29	-	-	P	H
		15930	45.33	-28.67	74	50	38.61	12.07	55.35	-	-	P	H
		17978	55.99	-18.01	74	51.61	47.91	13.19	56.72	200	243	P	H
		17978	45.92	-8.08	54	41.54	47.91	13.19	56.72	200	243	A	H
		10620	47.05	-26.95	74	52.8	40.26	10.28	56.29	-	-	P	V
		15930	45.41	-28.59	74	50.08	38.61	12.07	55.35	-	-	P	V
		18000	55.9	-18.1	74	50.92	48.5	13.2	56.72	100	312	P	V
		18000	45.83	-8.17	54	40.85	48.5	13.2	56.72	100	312	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5123.76	56.2	-17.8	74	45.2	32.15	6.27	27.42	250	86	P	H
		5141.44	46.57	-7.43	54	35.52	32.18	6.28	27.41	250	86	A	H
	*	5290	101.47	-	-	90.78	31.72	6.34	27.37	250	86	P	H
	*	5290	93.87	-	-	83.18	31.72	6.34	27.37	250	86	A	H
		5351.76	57.75	-16.25	74	47.13	31.61	6.37	27.36	250	86	P	H
		5350.08	49.91	-4.09	54	39.3	31.6	6.37	27.36	250	86	A	H
		5133.28	54.22	-19.78	74	43.2	32.17	6.27	27.42	117	91	P	V
		5099.28	43.86	-10.14	54	32.92	32.1	6.26	27.42	117	91	A	V
	*	5290	94.07	-	-	83.38	31.72	6.34	27.37	117	91	P	V
	*	5290	86.09	-	-	75.4	31.72	6.34	27.37	117	91	A	V
		5459.52	53.36	-20.64	74	42.34	31.94	6.41	27.33	117	91	P	V
		5350.08	44.06	-9.94	54	33.45	31.6	6.37	27.36	117	91	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	46.68	-21.52	68.2	52.53	40.24	10.26	56.35	-	-	P	H
		15870	44.26	-29.74	74	49	38.67	12.07	55.48	-	-	P	H
		17989	56.26	-17.74	74	51.59	48.2	13.19	56.72	200	236	P	H
		17989	46.19	-7.81	54	41.52	48.2	13.19	56.72	200	236	A	H
		10580	46.74	-21.46	68.2	52.59	40.24	10.26	56.35	-	-	P	V
		15870	44.42	-29.58	74	49.16	38.67	12.07	55.48	-	-	P	V
		17978	55.21	-18.79	74	50.83	47.91	13.19	56.72	100	310	P	V
		17978	45.12	-8.88	54	40.74	47.91	13.19	56.72	100	310	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.44	56.25	-17.75	74	45.23	31.94	6.41	27.33	249	85	P	H
		5469.84	65.64	-2.56	68.2	54.58	31.98	6.41	27.33	249	85	P	H
		5460	45.57	-8.43	54	34.55	31.94	6.41	27.33	249	85	A	H
	*	5500	110.61	-	-	99.41	32.1	6.42	27.32	249	85	P	H
	*	5500	102.77	-	-	91.57	32.1	6.42	27.32	249	85	A	H
													H
		5458.32	53.38	-20.62	74	42.37	31.93	6.41	27.33	114	91	P	V
		5468.88	60.64	-7.56	68.2	49.58	31.98	6.41	27.33	114	91	P	V
		5459.92	42.81	-11.19	54	31.79	31.94	6.41	27.33	114	91	A	V
	*	5500	103.36	-	-	92.16	32.1	6.42	27.32	114	91	P	V
	*	5500	95.94	-	-	84.74	32.1	6.42	27.32	114	91	A	V
													V
802.11a CH 116 5580MHz		5415.76	54.5	-19.5	74	43.55	31.9	6.39	27.34	100	87	P	H
		5469.28	55.63	-12.57	68.2	44.57	31.98	6.41	27.33	100	87	P	H
		5428.48	43.93	-10.07	54	32.97	31.9	6.4	27.34	100	87	A	H
	*	5580	113.16	-	-	102.1	32	6.44	27.38	100	87	P	H
	*	5580	105.5	-	-	94.44	32	6.44	27.38	100	87	A	H
		5748.935	56.25	-11.95	68.2	44.94	32.4	6.41	27.5	100	87	P	H
		5452	51.94	-22.06	74	40.95	31.91	6.41	27.33	265	77	P	V
		5465.92	52.4	-15.8	68.2	41.36	31.96	6.41	27.33	265	77	P	V
		5459.92	42.21	-11.79	54	31.19	31.94	6.41	27.33	265	77	A	V
	*	5580	107.06	-	-	96	32	6.44	27.38	265	77	P	V
	*	5580	99.28	-	-	88.22	32	6.44	27.38	265	77	A	V
		5764.37	53.44	-14.76	68.2	42.15	32.4	6.4	27.51	265	77	P	V

802.11a CH 140 5700MHz	*	5700	110.06	-	-	98.9	32.2	6.42	27.46	100	86	P	H
	*	5700	102.09	-	-	90.93	32.2	6.42	27.46	100	86	A	H
		5731.08	58.64	-9.56	68.2	47.4	32.32	6.41	27.49	100	86	P	H
													H
													H
													H
	*	5700	104.79	-	-	93.63	32.2	6.42	27.46	262	77	P	V
	*	5700	97.19	-	-	86.03	32.2	6.42	27.46	262	77	A	V
		5725.24	55.74	-12.46	68.2	44.51	32.3	6.41	27.48	262	77	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.5	-26.5	74	52.1	40.7	10.47	55.77	-	-	P	H
		16500	46.02	-22.18	68.2	49.17	39.9	12.26	55.31	-	-	P	H
		17989	55.93	-18.07	74	51.26	48.2	13.19	56.72	198	252	P	H
		17989	45.86	-8.14	54	41.19	48.2	13.19	56.72	198	252	A	H
		11000	48.2	-25.8	74	52.8	40.7	10.47	55.77	-	-	P	V
		16500	45.76	-22.44	68.2	48.91	39.9	12.26	55.31	-	-	P	V
		18000	55.61	-18.39	74	50.63	48.5	13.2	56.72	101	309	P	V
		18000	45.56	-8.44	54	40.58	48.5	13.2	56.72	101	309	A	V
802.11a CH 116 5580MHz		11160	47.6	-26.4	74	52.87	39.96	10.54	55.77	-	-	P	H
		16740	47.44	-20.76	68.2	50.36	40.26	12.35	55.53	-	-	P	H
		17956	56.16	-17.84	74	52.41	47.31	13.16	56.72	200	253	P	H
		17956	45.01	-8.99	54	41.26	47.31	13.16	56.72	200	253	A	H
		11160	46.6	-27.4	74	51.87	39.96	10.54	55.77	-	-	P	V
		16740	46.96	-21.24	68.2	49.88	40.26	12.35	55.53	-	-	P	V
		17989	56.61	-17.39	74	51.94	48.2	13.19	56.72	100	311	P	V
		17989	45.56	-8.44	54	40.89	48.2	13.19	56.72	100	311	A	V
802.11a CH 140 5700MHz		11400	46.13	-27.87	74	51.37	39.9	10.64	55.78	-	-	P	H
		17100	47.76	-20.44	68.2	50.79	40.4	12.52	55.95	-	-	P	H
		17989	56.08	-17.92	74	51.41	48.2	13.19	56.72	200	246	P	H
		17989	45.89	-8.11	54	41.22	48.2	13.19	56.72	200	246	A	H
		11400	46.86	-27.14	74	52.1	39.9	10.64	55.78	-	-	P	V
		17100	47.91	-20.29	68.2	50.94	40.4	12.52	55.95	-	-	P	V
		17989	56.41	-17.59	74	51.74	48.2	13.19	56.72	100	320	P	V
		17989	46.3	-7.7	54	41.63	48.2	13.19	56.72	100	320	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	59.83	-14.17	74	48.81	31.94	6.41	27.33	106	101	P	H
		5463.76	63.44	-4.76	68.2	52.4	31.96	6.41	27.33	106	101	P	H
		5460	45.28	-8.72	54	34.26	31.94	6.41	27.33	106	101	A	H
	*	5500	109.74	-	-	98.54	32.1	6.42	27.32	106	101	P	H
802.11n	*	5500	102.24	-	-	91.04	32.1	6.42	27.32	106	101	A	H
HT20													H
CH 100		5457.68	52.32	-21.68	74	41.31	31.93	6.41	27.33	386	168	P	V
5500MHz		5468.08	55.99	-12.21	68.2	44.94	31.97	6.41	27.33	386	168	P	V
		5460	41.57	-12.43	54	30.55	31.94	6.41	27.33	386	168	A	V
	*	5500	101.54	-	-	90.34	32.1	6.42	27.32	386	168	P	V
	*	5500	94.12	-	-	82.92	32.1	6.42	27.32	386	168	A	V
													V
		5380	53.85	-20.15	74	43.04	31.78	6.38	27.35	100	100	P	H
		5464.48	52.07	-16.13	68.2	41.03	31.96	6.41	27.33	100	100	P	H
		5428.72	43.3	-10.7	54	32.34	31.9	6.4	27.34	100	100	A	H
	*	5580	112.61	-	-	101.55	32	6.44	27.38	100	100	P	H
802.11n	*	5580	105.07	-	-	94.01	32	6.44	27.38	100	100	A	H
HT20		5727.2	53.89	-14.31	68.2	42.65	32.31	6.41	27.48	100	100	P	H
CH 116		5445.04	50.58	-23.42	74	39.61	31.9	6.4	27.33	393	160	P	V
5580MHz		5468.8	49.97	-18.23	68.2	38.91	31.98	6.41	27.33	393	160	P	V
		5459.68	41.38	-12.62	54	30.36	31.94	6.41	27.33	393	160	A	V
	*	5580	104.26	-	-	93.2	32	6.44	27.38	393	160	P	V
	*	5580	96.84	-	-	85.78	32	6.44	27.38	393	160	A	V
		5753.03	51.47	-16.73	68.2	40.17	32.4	6.4	27.5	393	160	P	V

	*	5700	109.71	-	-	98.55	32.2	6.42	27.46	100	100	P	H
	*	5700	102.18	-	-	91.02	32.2	6.42	27.46	100	100	A	H
		5725.48	63.56	-4.64	68.2	52.33	32.3	6.41	27.48	100	100	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	102.5	-	-	91.34	32.2	6.42	27.46	396	157	P	V
5700MHz	*	5700	94.82	-	-	83.66	32.2	6.42	27.46	396	157	A	V
		5727.88	53.18	-15.02	68.2	41.94	32.31	6.41	27.48	396	157	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	47.81	-26.19	74	52.41	40.7	10.47	55.77	-	-	P	H
		16500	45.52	-22.68	68.2	48.67	39.9	12.26	55.31	-	-	P	H
		18000	56.63	-17.37	74	51.65	48.5	13.2	56.72	201	239	P	H
		18000	46.53	-7.47	54	41.55	48.5	13.2	56.72	201	239	A	H
		11000	47.45	-26.55	74	52.05	40.7	10.47	55.77	-	-	P	V
		16500	45.99	-22.21	68.2	49.14	39.9	12.26	55.31	-	-	P	V
		17978	55.28	-18.72	74	50.9	47.91	13.19	56.72	100	325	P	V
		17978	45.25	-8.75	54	40.87	47.91	13.19	56.72	100	325	A	V
802.11n HT20 CH 116 5580MHz		11160	46.61	-27.39	74	51.88	39.96	10.54	55.77	-	-	P	H
		16740	47.16	-21.04	68.2	50.08	40.26	12.35	55.53	-	-	P	H
		17989	55.98	-18.02	74	51.31	48.2	13.19	56.72	200	234	P	H
		17989	45.9	-8.1	54	41.23	48.2	13.19	56.72	200	234	A	H
		11160	47.04	-26.96	74	52.31	39.96	10.54	55.77	-	-	P	V
		16740	46.67	-21.53	68.2	49.59	40.26	12.35	55.53	-	-	P	V
		17978	55.72	-18.28	74	51.34	47.91	13.19	56.72	100	342	P	V
		17978	45.65	-8.35	54	41.27	47.91	13.19	56.72	100	342	A	V
802.11n HT20 CH 140 5700MHz		11400	47.24	-26.76	74	52.48	39.9	10.64	55.78	-	-	P	H
		17100	48.52	-19.68	68.2	51.55	40.4	12.52	55.95	-	-	P	H
		17989	55.59	-18.41	74	50.92	48.2	13.19	56.72	200	245	P	H
		17989	45.88	-8.12	54	41.21	48.2	13.19	56.72	200	245	A	H
		11400	47.35	-26.65	74	52.59	39.9	10.64	55.78	-	-	P	V
		17100	48.44	-19.76	68.2	51.47	40.4	12.52	55.95	-	-	P	V
		17967	55.32	-18.68	74	51.26	47.61	13.17	56.72	100	310	P	V
		17967	45.3	-8.7	54	41.24	47.61	13.17	56.72	100	310	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	57.83	-16.17	74	46.81	31.94	6.41	27.33	258	86	P	H
		5469.76	62.06	-6.14	68.2	51	31.98	6.41	27.33	258	86	P	H
		5459.92	49.51	-4.49	54	38.49	31.94	6.41	27.33	258	86	A	H
	*	5510	108.02	-	-	96.85	32.08	6.42	27.33	258	86	P	H
802.11n	*	5510	99.99	-	-	88.82	32.08	6.42	27.33	258	86	A	H
HT40		5748.62	55.17	-13.03	68.2	43.87	32.39	6.41	27.5	258	86	P	H
CH 102		5452.96	54.17	-19.83	74	43.18	31.91	6.41	27.33	100	91	P	V
5510MHz		5467.6	56.28	-11.92	68.2	45.23	31.97	6.41	27.33	100	91	P	V
		5459.92	44.45	-9.55	54	33.43	31.94	6.41	27.33	100	91	A	V
	*	5510	101.17	-	-	90	32.08	6.42	27.33	100	91	P	V
	*	5510	93.11	-	-	81.94	32.08	6.42	27.33	100	91	A	V
		5757.44	53.56	-14.64	68.2	42.27	32.4	6.4	27.51	100	91	P	V
		5455.36	55.74	-18.26	74	44.74	31.92	6.41	27.33	112	104	P	H
		5465.68	57.12	-11.08	68.2	46.08	31.96	6.41	27.33	112	104	P	H
		5459.68	45.23	-8.77	54	34.21	31.94	6.41	27.33	112	104	A	H
	*	5550	109.96	-	-	98.89	32	6.43	27.36	112	104	P	H
802.11n	*	5550	102.01	-	-	90.94	32	6.43	27.36	112	104	A	H
HT40		5732.87	53.71	-14.49	68.2	42.46	32.33	6.41	27.49	112	104	P	H
CH 110		5456.56	51.45	-22.55	74	40.44	31.93	6.41	27.33	397	161	P	V
5550MHz		5460.16	52.2	-16	68.2	41.18	31.94	6.41	27.33	397	161	P	V
		5458.96	41.7	-12.3	54	30.68	31.94	6.41	27.33	397	161	A	V
	*	5550	102.34	-	-	91.27	32	6.43	27.36	397	161	P	V
	*	5550	94.46	-	-	83.39	32	6.43	27.36	397	161	A	V
		5742.005	51.74	-16.46	68.2	40.45	32.37	6.41	27.49	397	161	P	V

		5456.75	52.95	-21.05	74	41.94	31.93	6.41	27.33	103	99	P	H
		5462.7	51.82	-16.38	68.2	40.79	31.95	6.41	27.33	103	99	P	H
		5458.5	42.98	-11.02	54	31.97	31.93	6.41	27.33	103	99	A	H
	*	5670	107.03	-	-	96.02	32.02	6.43	27.44	103	99	P	H
802.11n	*	5670	100.12	-	-	89.11	32.02	6.43	27.44	103	99	A	H
HT40		5732.87	63.36	-4.84	68.2	52.11	32.33	6.41	27.49	103	99	P	H
CH 134		5418.6	50.86	-23.14	74	39.9	31.9	6.4	27.34	398	158	P	V
5670MHz		5463.05	49.67	-18.53	68.2	38.64	31.95	6.41	27.33	398	158	P	V
		5455.7	41.15	-12.85	54	30.15	31.92	6.41	27.33	398	158	A	V
	*	5670	99.63	-	-	88.62	32.02	6.43	27.44	398	158	P	V
	*	5670	92.09	-	-	81.08	32.02	6.43	27.44	398	158	A	V
		5731.295	53.02	-15.18	68.2	41.77	32.33	6.41	27.49	398	158	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.27	-26.73	74	51.96	40.6	10.48	55.77	-	-	P	H
		16530	45.75	-22.45	68.2	48.95	39.87	12.27	55.34	-	-	P	H
802.11n		17978	55.97	-18.03	74	51.59	47.91	13.19	56.72	202	241	P	H
HT40		17978	45.47	-8.53	54	41.09	47.91	13.19	56.72	202	241	A	H
CH 102		11020	47.71	-26.29	74	52.4	40.6	10.48	55.77	-	-	P	V
5510MHz		16530	45.93	-22.27	68.2	49.13	39.87	12.27	55.34	-	-	P	V
		17978	55.38	-18.62	74	51	47.91	13.19	56.72	100	314	P	V
		17978	45.44	-8.56	54	41.06	47.91	13.19	56.72	100	314	A	V
		11100	47.36	-26.64	74	52.42	40.2	10.51	55.77	-	-	P	H
		16650	46.81	-21.39	68.2	50	39.95	12.31	55.45	-	-	P	H
802.11n		17989	56.2	-17.8	74	51.53	48.2	13.19	56.72	201	228	P	H
HT40		17989	45.76	-8.24	54	41.09	48.2	13.19	56.72	201	228	A	H
CH 110		11100	47.14	-26.86	74	52.2	40.2	10.51	55.77	-	-	P	V
5550MHz		16650	46.26	-21.94	68.2	49.45	39.95	12.31	55.45	-	-	P	V
		18000	56.06	-17.94	74	51.08	48.5	13.2	56.72	100	326	P	V
		18000	46.15	-7.85	54	41.17	48.5	13.2	56.72	100	326	A	V
		11340	47.56	-26.44	74	52.95	39.78	10.61	55.78	-	-	P	H
		17010	47.39	-20.81	68.2	50.24	40.49	12.45	55.79	-	-	P	H
i802.11n		17967	55.37	-18.63	74	51.31	47.61	13.17	56.72	203	234	P	H
HT40		17967	45.2	-8.8	54	41.14	47.61	13.17	56.72	203	234	A	H
CH 134		11340	47.3	-26.7	74	52.69	39.78	10.61	55.78	-	-	P	V
5670MHz		17010	48.56	-19.64	68.2	51.41	40.49	12.45	55.79	-	-	P	V
		18000	56.06	-17.94	74	51.08	48.5	13.2	56.72	100	316	P	V
		18000	46.13	-7.87	54	41.15	48.5	13.2	56.72	100	316	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5451.28	61.99	-12.01	74	51	31.91	6.41	27.33	255	86	P	H
		5468.56	62.18	-6.02	68.2	51.13	31.97	6.41	27.33	255	86	P	H
		5459.92	51.07	-2.93	54	40.05	31.94	6.41	27.33	255	86	A	H
	*	5530	102.15	-	-	91.02	32.04	6.43	27.34	255	86	P	H
802.11ac	*	5530	93.78	-	-	82.65	32.04	6.43	27.34	255	86	A	H
VHT80		5736.965	54.99	-13.21	68.2	43.72	32.35	6.41	27.49	255	86	P	H
CH 106		5459.68	54.81	-19.19	74	43.79	31.94	6.41	27.33	100	91	P	V
5530MHz		5464.72	55.48	-12.72	68.2	44.44	31.96	6.41	27.33	100	91	P	V
		5459.92	45.36	-8.64	54	34.34	31.94	6.41	27.33	100	91	A	V
	*	5530	96.54	-	-	85.41	32.04	6.43	27.34	100	91	P	V
	*	5530	87.07	-	-	75.94	32.04	6.43	27.34	100	91	A	V
		5765	53.04	-15.16	68.2	41.75	32.4	6.4	27.51	100	91	P	V
		5454.3	56.69	-17.31	74	45.69	31.92	6.41	27.33	262	71	P	H
		5464.45	55.12	-13.08	68.2	44.08	31.96	6.41	27.33	262	71	P	H
		5459.55	46.67	-7.33	54	35.65	31.94	6.41	27.33	262	71	A	H
	*	5610	105.01	-	-	93.98	31.98	6.45	27.4	262	71	P	H
802.11ac	*	5610	96.51	-	-	85.48	31.98	6.45	27.4	262	71	A	H
VHT80		5726.57	63.27	-4.93	68.2	52.03	32.31	6.41	27.48	262	71	P	H
CH 122		5454.3	51.1	-22.9	74	40.1	31.92	6.41	27.33	310	88	P	V
5610MHz		5460.95	50.75	-17.45	68.2	39.73	31.94	6.41	27.33	310	88	P	V
		5459.55	41.99	-12.01	54	30.97	31.94	6.41	27.33	310	88	A	V
	*	5610	99.18	-	-	88.15	31.98	6.45	27.4	310	88	P	V
	*	5610	90.01	-	-	78.98	31.98	6.45	27.4	310	88	A	V
		5727.2	56.77	-11.43	68.2	45.53	32.31	6.41	27.48	310	88	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	47.72	-26.28	74	52.59	40.4	10.5	55.77	-	-	P	H
		16590	47.16	-21.04	68.2	50.45	39.81	12.29	55.39	-	-	P	H
		18000	56.24	-17.76	74	51.26	48.5	13.2	56.72	200	250	P	H
		18000	46.12	-7.88	54	41.14	48.5	13.2	56.72	200	250	A	H
		11060	47.59	-26.41	74	52.46	40.4	10.5	55.77	-	-	P	V
		16590	46.22	-21.98	68.2	49.51	39.81	12.29	55.39	-	-	P	V
		18000	55.38	-18.62	74	50.4	48.5	13.2	56.72	100	308	P	V
		18000	46.14	-7.86	54	41.16	48.5	13.2	56.72	100	308	A	V
802.11ac VHT80 CH 122 5610MHz		11220	47.32	-26.68	74	52.75	39.78	10.56	55.77	-	-	P	H
		16830	47.32	-20.88	68.2	50.02	40.53	12.38	55.61	-	-	P	H
		17967	55.6	-18.4	74	51.54	47.61	13.17	56.72	200	241	P	H
		17967	47.97	-6.03	54	43.91	47.61	13.17	56.72	200	241	A	H
		11220	47.56	-26.44	74	52.99	39.78	10.56	55.77	-	-	P	V
		16830	46.84	-21.36	68.2	49.54	40.53	12.38	55.61	-	-	P	V
		18000	56	-18	74	51.02	48.5	13.2	56.72	100	315	P	V
		18000	48.47	-5.53	54	43.49	48.5	13.2	56.72	100	315	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		5430.34	52.27	-21.73	74	41.31	31.9	6.4	27.34	114	103	P	H
		5467.39	52.63	-15.57	68.2	41.58	31.97	6.41	27.33	114	103	P	H
		5459.59	43.21	-10.79	54	32.19	31.94	6.41	27.33	114	103	A	H
	*	5720	112.8	-	-	101.59	32.28	6.41	27.48	114	103	P	H
	*	5720	105.09	-	-	93.88	32.28	6.41	27.48	114	103	A	H
		5882.75	53.56	-14.64	68.2	42.07	32.63	6.46	27.6	114	103	P	H
		5365.6	50.53	-23.47	74	39.82	31.69	6.37	27.35	393	158	P	V
		5468.17	50.26	-17.94	68.2	39.21	31.97	6.41	27.33	393	158	P	V
		5458.81	41.44	-12.56	54	30.42	31.94	6.41	27.33	393	158	A	V
	*	5720	105.93	-	-	94.72	32.28	6.41	27.48	393	158	P	V
	*	5720	98.11	-	-	86.9	32.28	6.41	27.48	393	158	A	V
		5879.25	52.53	-15.67	68.2	41.04	32.62	6.46	27.59	393	158	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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	47.35	-26.65	74	52.46	40.02	10.65	55.78	-	-	P	H
		17160	47.55	-20.65	68.2	50.59	40.46	12.56	56.06	-	-	P	H
		18000	56.63	-17.37	74	51.65	48.5	13.2	56.72	200	234	P	H
		18000	46.06	-7.94	54	41.08	48.5	13.2	56.72	200	234	A	H
		11440	46.44	-27.56	74	51.55	40.02	10.65	55.78	-	-	P	V
		17160	48.14	-20.06	68.2	51.18	40.46	12.56	56.06	-	-	P	V
		18000	55.45	-18.55	74	50.47	48.5	13.2	56.72	100	320	P	V
		18000	46.09	-7.91	54	41.11	48.5	13.2	56.72	100	320	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5452.57	53.17	-20.83	74	42.18	31.91	6.41	27.33	114	103	P	H
		5466.61	52.43	-15.77	68.2	41.38	31.97	6.41	27.33	114	103	P	H
		5458.81	43.4	-10.6	54	32.38	31.94	6.41	27.33	114	103	A	H
	*	5720	112.6	-	-	101.39	32.28	6.41	27.48	114	103	P	H
	*	5720	104.94	-	-	93.73	32.28	6.41	27.48	114	103	A	H
		5948.5	53.71	-14.49	68.2	42.03	32.8	6.52	27.64	114	103	P	H
		5403.04	50.23	-23.77	74	39.29	31.9	6.39	27.35	393	150	P	V
		5468.56	50.42	-17.78	68.2	39.37	31.97	6.41	27.33	393	150	P	V
		5459.59	41.37	-12.63	54	30.35	31.94	6.41	27.33	393	150	A	V
	*	5720	105.35	-	-	94.14	32.28	6.41	27.48	393	150	P	V
	*	5720	97.9	-	-	86.69	32.28	6.41	27.48	393	150	A	V
		5861.5	52.25	-15.95	68.2	40.84	32.55	6.44	27.58	393	150	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	47.74	-26.26	74	52.85	40.02	10.65	55.78	-	-	P	H
		17160	48.55	-19.65	68.2	51.59	40.46	12.56	56.06	-	-	P	H
		18000	56	-18	74	51.02	48.5	13.2	56.72	203	242	P	H
		18000	46.26	-7.74	54	41.28	48.5	13.2	56.72	203	242	A	H
		11440	46.72	-27.28	74	51.83	40.02	10.65	55.78	-	-	P	V
		17160	47.85	-20.35	68.2	50.89	40.46	12.56	56.06	-	-	P	V
		17978	55.38	-18.62	74	51	47.91	13.19	56.72	100	319	P	V
		17978	45.61	-8.39	54	41.23	47.91	13.19	56.72	100	319	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5441.65	52.37	-21.63	74	41.41	31.9	6.4	27.34	112	102	P	H
		5469.73	53.75	-14.45	68.2	42.69	31.98	6.41	27.33	112	102	P	H
		5459.98	43.61	-10.39	54	32.59	31.94	6.41	27.33	112	102	A	H
	*	5710	109.68	-	-	98.49	32.24	6.42	27.47	112	102	P	H
	*	5710	102.19	-	-	91	32.24	6.42	27.47	112	102	A	H
		5860	54.26	-13.94	68.2	42.86	32.54	6.44	27.58	112	102	P	H
		5361.7	51.69	-22.31	74	41.01	31.67	6.37	27.36	393	157	P	V
		5469.73	49.99	-18.21	68.2	38.93	31.98	6.41	27.33	393	157	P	V
		5459.98	41.56	-12.44	54	30.54	31.94	6.41	27.33	393	157	A	V
	*	5710	102.56	-	-	91.37	32.24	6.42	27.47	393	157	P	V
	*	5710	95.25	-	-	84.06	32.24	6.42	27.47	393	157	A	V
		5875.75	53.09	-15.11	68.2	41.63	32.6	6.45	27.59	393	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 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	47.5	-26.5	74	52.67	39.96	10.65	55.78	-	-	P	H
		17130	48.2	-20	68.2	51.25	40.43	12.53	56.01	-	-	P	H
		17978	56.1	-17.9	74	51.72	47.91	13.19	56.72	200	238	P	H
		17978	45.37	-8.63	54	40.99	47.91	13.19	56.72	200	238	A	H
		11420	46.85	-27.15	74	52.02	39.96	10.65	55.78	-	-	P	V
		17130	48.11	-20.09	68.2	51.16	40.43	12.53	56.01	-	-	P	V
		17978	55.63	-18.37	74	51.25	47.91	13.19	56.72	100	314	P	V
		17978	45.5	-8.5	54	41.12	47.91	13.19	56.72	100	314	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5455.69	56.74	-17.26	74	45.74	31.92	6.41	27.33	112	102	P	H
		5467.78	57.92	-10.28	68.2	46.87	31.97	6.41	27.33	112	102	P	H
		5458.81	47.25	-6.75	54	36.23	31.94	6.41	27.33	112	102	A	H
	*	5690	106.49	-	-	95.39	32.14	6.42	27.46	112	102	P	H
	*	5690	98.52	-	-	87.42	32.14	6.42	27.46	112	102	A	H
		5855.2	63.69	-4.51	68.2	52.31	32.52	6.44	27.58	112	102	P	H
		5403.04	52.3	-21.7	74	41.36	31.9	6.39	27.35	400	158	P	V
		5463.49	49.7	-18.5	68.2	38.67	31.95	6.41	27.33	400	158	P	V
		5408.89	41.89	-12.11	54	30.94	31.9	6.39	27.34	400	158	A	V
	*	5690	99.46	-	-	88.36	32.14	6.42	27.46	400	158	P	V
	*	5690	91.02	-	-	79.92	32.14	6.42	27.46	400	158	A	V
		5906.8	52.71	-15.49	68.2	41.13	32.71	6.48	27.61	400	158	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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	46.75	-27.25	74	52.04	39.86	10.63	55.78	-	-	P	H
		17070	48.05	-20.15	68.2	51.03	40.43	12.49	55.9	-	-	P	H
		18000	56.35	-17.65	74	51.37	48.5	13.2	56.72	200	226	P	H
		18000	46.08	-7.92	54	41.1	48.5	13.2	56.72	200	226	A	H
		11380	46.25	-27.75	74	51.54	39.86	10.63	55.78	-	-	P	V
		17070	47.57	-20.63	68.2	50.55	40.43	12.49	55.9	-	-	P	V
		18000	56.38	-17.62	74	51.4	48.5	13.2	56.72	100	332	P	V
		18000	46.16	-7.84	54	41.18	48.5	13.2	56.72	100	332	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Emission above 18GHz

WIFI 802.11n HT40 (SHF @ 1m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 SHF		39846	44.82	-29.18	74	57.91	43.64	-0.85	55.88	-	-	P	H
													H
													H
													H
		39692	44.25	-29.75	74	57.65	43.67	-1	56.07	-	-	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		30	22.28	-17.72	40	29.22	24.57	0.71	32.22	-	-	P	H
		120.21	27.46	-16.04	43.5	41.05	17.5	1.15	32.24	-	-	P	H
		332.64	26.45	-19.55	46	36.75	19.77	1.69	31.76	-	-	P	H
		551.86	28.37	-17.63	46	33.53	24.98	2.14	32.28	-	-	P	H
		800.18	30.94	-15.06	46	32.05	27.74	2.47	31.32	-	-	P	H
		953.44	32.06	-13.94	46	29.75	30.47	2.61	30.77	-	-	P	H
		35.82	28.99	-11.01	40	38.97	21.5	0.76	32.24	-	-	P	V
		44.55	29.76	-10.24	40	44.14	17.08	0.81	32.27	-	-	P	V
		159.98	28.65	-14.85	43.5	43.17	16.48	1.25	32.25	-	-	P	V
		551.86	27.72	-18.28	46	32.88	24.98	2.14	32.28	-	-	P	V
		780.78	30.18	-15.82	46	31.42	27.78	2.45	31.47	-	-	P	V
		957.32	32.69	-13.31	46	30.16	30.67	2.61	30.75	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.98	67.46	-6.54	74	56.39	32.2	6.28	27.41	100	112	P	H
		5150	49.7	-4.3	54	38.63	32.2	6.28	27.41	100	112	A	H
	*	5180	109.21	-	-	98.25	32.08	6.28	27.4	100	112	P	H
	*	5180	101.31	-	-	90.35	32.08	6.28	27.4	100	112	A	H
													H
													H
		5148.46	58.29	-15.71	74	47.22	32.2	6.28	27.41	100	101	P	V
		5150	43.49	-10.51	54	32.42	32.2	6.28	27.41	100	101	A	V
	*	5180	98.88	-	-	87.92	32.08	6.28	27.4	100	101	P	V
	*	5180	91.19	-	-	80.23	32.08	6.28	27.4	100	101	A	V
													V
													V
802.11a CH 44 5220MHz		5113.88	55.18	-18.82	74	44.2	32.13	6.27	27.42	114	108	P	H
		5149.76	44.79	-9.21	54	33.72	32.2	6.28	27.41	114	108	A	H
	*	5220	110.38	-	-	99.55	31.92	6.3	27.39	108	99	P	H
	*	5220	102.57	-	-	91.74	31.92	6.3	27.39	108	99	A	H
		5375.44	53.89	-20.11	74	43.11	31.75	6.38	27.35	114	108	P	H
		5370.4	42.43	-11.57	54	31.68	31.72	6.38	27.35	114	108	A	H
		5137.02	53.61	-20.39	74	42.58	32.17	6.27	27.41	339	29	P	V
		5150	43.13	-10.87	54	32.06	32.2	6.28	27.41	339	29	A	V
	*	5220	105.92	-	-	95.09	31.92	6.3	27.39	397	23	P	V
	*	5220	98.1	-	-	87.27	31.92	6.3	27.39	397	23	A	V
		5457.76	51.51	-22.49	74	40.5	31.93	6.41	27.33	339	29	P	V
		5455.24	41.17	-12.83	54	30.17	31.92	6.41	27.33	339	29	A	V

802.11a CH 48 5240MHz		5091	54.48	-19.52	74	43.55	32.1	6.26	27.43	100	99	P	H
		5078.78	43.9	-10.1	54	32.97	32.1	6.26	27.43	100	99	A	H
	*	5240	110.37	-	-	99.61	31.84	6.31	27.39	100	99	P	H
	*	5240	102.62	-	-	91.86	31.84	6.31	27.39	100	99	A	H
		5440.4	52.57	-21.43	74	41.61	31.9	6.4	27.34	100	99	P	H
		5401.2	42.31	-11.69	54	31.37	31.9	6.39	27.35	100	99	A	H
		5058.5	53.92	-20.08	74	43	32.1	6.25	27.43	347	26	P	V
		5083.46	43.02	-10.98	54	32.09	32.1	6.26	27.43	347	26	A	V
	*	5240	105.21	-	-	94.45	31.84	6.31	27.39	347	26	P	V
	*	5240	97.52	-	-	86.76	31.84	6.31	27.39	347	26	A	V
		5395.88	51.87	-22.13	74	40.95	31.88	6.39	27.35	347	26	P	V
		5395.04	41.05	-12.95	54	30.14	31.87	6.39	27.35	347	26	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	46.83	-21.37	68.2	53.2	39.94	10.15	56.46	-	-	P	H
		15540	45.73	-28.27	74	50.44	39.44	12.03	56.18	-	-	P	H
		17934	55.32	-18.68	74	52.17	46.72	13.15	56.72	106	213	P	H
		17934	45.26	-8.74	54	42.11	46.72	13.15	56.72	106	213	A	H
		10360	47.02	-21.18	68.2	53.39	39.94	10.15	56.46	-	-	P	V
		15540	45.32	-28.68	74	50.03	39.44	12.03	56.18	-	-	P	V
		17989	55.57	-18.43	74	50.9	48.2	13.19	56.72	168	211	P	V
		17989	45	-9	54	40.33	48.2	13.19	56.72	168	211	A	V
802.11a CH 44 5220MHz		10440	47.39	-20.81	68.2	53.44	40.22	10.19	56.46	-	-	P	H
		15660	44.91	-29.09	74	49.9	38.9	12.04	55.93	-	-	P	H
		17956	55.4	-18.6	74	51.65	47.31	13.16	56.72	196	101	P	H
		17956	44.99	-9.01	54	41.24	47.31	13.16	56.72	196	101	A	H
		10440	46.92	-21.28	68.2	52.97	40.22	10.19	56.46	-	-	P	V
		15660	44.73	-29.27	74	49.72	38.9	12.04	55.93	-	-	P	V
		17989	56.19	-17.81	74	51.52	48.2	13.19	56.72	152	255	P	V
		17989	45.91	-8.09	54	41.24	48.2	13.19	56.72	152	255	A	V
802.11a CH 48 5240MHz		10480	48.31	-19.89	68.2	54.22	40.34	10.21	56.46	-	-	P	H
		15720	45.19	-28.81	74	50.26	38.68	12.05	55.8	-	-	P	H
		18000	56.21	-17.79	74	51.23	48.5	13.2	56.72	100	101	P	H
		18000	45.87	-8.13	54	40.89	48.5	13.2	56.72	100	101	A	H
		10480	47.33	-20.87	68.2	53.24	40.34	10.21	56.46	-	-	P	V
		15720	45.95	-28.05	74	51.02	38.68	12.05	55.8	-	-	P	V
		17978	55.59	-18.41	74	51.21	47.91	13.19	56.72	152	211	P	V
		17978	45.68	-8.32	54	41.3	47.91	13.19	56.72	152	211	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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)
		5146.38	66	-8	74	54.94	32.19	6.28	27.41	100	108	P	H
		5150	51.72	-2.28	54	40.65	32.2	6.28	27.41	100	108	A	H
	*	5180	109.9	-	-	98.94	32.08	6.28	27.4	100	108	P	H
	*	5180	102.3	-	-	91.34	32.08	6.28	27.4	100	108	A	H
802.11n													H
HT20													H
CH 36		5145.34	61.75	-12.25	74	50.69	32.19	6.28	27.41	318	24	P	V
5180MHz		5150	47.58	-6.42	54	36.51	32.2	6.28	27.41	318	24	A	V
	*	5180	105.04	-	-	94.08	32.08	6.28	27.4	318	24	P	V
	*	5180	97.2	-	-	86.24	32.08	6.28	27.4	318	24	A	V
													V
													V
		5147.16	56.05	-17.95	74	44.99	32.19	6.28	27.41	100	107	P	H
		5145.08	45.31	-8.69	54	34.25	32.19	6.28	27.41	100	107	A	H
	*	5220	110.05	-	-	99.22	31.92	6.3	27.39	100	107	P	H
	*	5220	102.41	-	-	91.58	31.92	6.3	27.39	100	107	A	H
802.11n		5440.12	53.02	-20.98	74	42.06	31.9	6.4	27.34	100	107	P	H
HT20		5381.32	42.55	-11.45	54	31.73	31.79	6.38	27.35	100	107	A	H
CH 44		5065.26	53.58	-20.42	74	42.65	32.1	6.26	27.43	355	25	P	V
5220MHz		5059.02	43.18	-10.82	54	32.26	32.1	6.25	27.43	355	25	A	V
	*	5220	105.52	-	-	94.69	31.92	6.3	27.39	355	25	P	V
	*	5220	97.8	-	-	86.97	31.92	6.3	27.39	355	25	A	V
		5451.32	51.47	-22.53	74	40.48	31.91	6.41	27.33	355	25	P	V
		5459.44	41.13	-12.87	54	30.11	31.94	6.41	27.33	355	25	A	V

		5095.42	54.1	-19.9	74	43.17	32.1	6.26	27.43	100	100	P	H
		5079.04	43.93	-10.07	54	33	32.1	6.26	27.43	100	100	A	H
	*	5240	109.87	-	-	99.11	31.84	6.31	27.39	100	100	P	H
	*	5240	102.46	-	-	91.7	31.84	6.31	27.39	100	100	A	H
802.11n		5446.56	52.74	-21.26	74	41.77	31.9	6.4	27.33	100	100	P	H
HT20		5401.48	42.37	-11.63	54	31.43	31.9	6.39	27.35	100	100	A	H
CH 48		5091.26	53.1	-20.9	74	42.17	32.1	6.26	27.43	347	25	P	V
5240MHz		5079.04	43.13	-10.87	54	32.2	32.1	6.26	27.43	347	25	A	V
	*	5240	105.03	-	-	94.27	31.84	6.31	27.39	347	25	P	V
	*	5240	97.5	-	-	86.74	31.84	6.31	27.39	347	25	A	V
		5456.92	50.88	-23.12	74	39.87	31.93	6.41	27.33	347	25	P	V
		5396.16	41.16	-12.84	54	30.24	31.88	6.39	27.35	347	25	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	46.88	-21.32	68.2	53.25	39.94	10.15	56.46	-	-	P	H
		15540	45.42	-28.58	74	50.13	39.44	12.03	56.18	-	-	P	H
		17978	56.01	-17.99	74	51.63	47.91	13.19	56.72	108	122	P	H
		17978	45.76	-8.24	54	41.38	47.91	13.19	56.72	108	122	A	H
		10360	47.71	-20.49	68.2	54.08	39.94	10.15	56.46	-	-	P	V
		15540	45.87	-28.13	74	50.58	39.44	12.03	56.18	-	-	P	V
		18000	55.94	-18.06	74	50.96	48.5	13.2	56.72	109	210	P	V
		18000	45.87	-8.13	54	40.89	48.5	13.2	56.72	109	210	A	V
802.11n HT20 CH 44 5220MHz		10440	46.65	-21.55	68.2	52.7	40.22	10.19	56.46	-	-	P	H
		15660	45.18	-28.82	74	50.17	38.9	12.04	55.93	-	-	P	H
		17967	56.49	-17.51	74	52.43	47.61	13.17	56.72	196	209	P	H
		17967	45.5	-8.5	54	41.44	47.61	13.17	56.72	196	209	A	H
		10440	48.58	-19.62	68.2	54.63	40.22	10.19	56.46	-	-	P	V
		15660	44.55	-29.45	74	49.54	38.9	12.04	55.93	-	-	P	V
		18000	55.57	-18.43	74	50.59	48.5	13.2	56.72	118	219	P	V
		18000	46.25	-7.75	54	41.27	48.5	13.2	56.72	118	219	A	V
802.11n HT20 CH 48 5240MHz		10480	48.06	-20.14	68.2	53.97	40.34	10.21	56.46	-	-	P	H
		15720	44.44	-29.56	74	49.51	38.68	12.05	55.8	-	-	P	H
		17978	55.11	-18.89	74	50.73	47.91	13.19	56.72	111	211	P	H
		17978	46	-8	54	41.62	47.91	13.19	56.72	111	211	A	H
		10480	47.94	-20.26	68.2	53.85	40.34	10.21	56.46	-	-	P	V
		15720	45.64	-28.36	74	50.71	38.68	12.05	55.8	-	-	P	V
		17989	56.19	-17.81	74	51.52	48.2	13.19	56.72	111	213	P	V
		17989	45.96	-8.04	54	41.29	48.2	13.19	56.72	111	213	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5144.82	58.99	-15.01	74	47.93	32.19	6.28	27.41	100	111	P	H
		5150	50.21	-3.79	54	39.14	32.2	6.28	27.41	100	111	A	H
	*	5190	103.97	-	-	93.04	32.04	6.29	27.4	100	111	P	H
	*	5190	96.16	-	-	85.23	32.04	6.29	27.4	100	111	A	H
		5440.68	51.48	-22.52	74	40.52	31.9	6.4	27.34	100	111	P	H
		5460	41.55	-12.45	54	30.53	31.94	6.41	27.33	100	111	A	H
		5089.44	52.42	-21.58	74	41.49	32.1	6.26	27.43	100	100	P	V
		5150	43.53	-10.47	54	32.46	32.2	6.28	27.41	100	100	A	V
	*	5190	93.88	-	-	82.95	32.04	6.29	27.4	100	100	P	V
	*	5190	85.79	-	-	74.86	32.04	6.29	27.4	100	100	A	V
		5440.96	50.66	-23.34	74	39.7	31.9	6.4	27.34	100	100	P	V
		5458.32	41.06	-12.94	54	30.05	31.93	6.41	27.33	100	100	A	V
802.11n HT40 CH 46 5230MHz		5150	58.32	-15.68	74	47.25	32.2	6.28	27.41	100	99	P	H
		5150	47.12	-6.88	54	36.05	32.2	6.28	27.41	100	99	A	H
	*	5230	106.75	-	-	95.96	31.88	6.3	27.39	100	99	P	H
	*	5230	99.32	-	-	88.53	31.88	6.3	27.39	100	99	A	H
		5352.2	54.97	-19.03	74	44.35	31.61	6.37	27.36	100	99	P	H
		5350	43.51	-10.49	54	32.91	31.6	6.36	27.36	100	99	A	H
		5059.02	53.62	-20.38	74	42.7	32.1	6.25	27.43	392	26	P	V
		5149.5	43.59	-10.41	54	32.52	32.2	6.28	27.41	392	26	A	V
	*	5230	102.8	-	-	92.01	31.88	6.3	27.39	392	26	P	V
	*	5230	95.38	-	-	84.59	31.88	6.3	27.39	392	26	A	V
		5394.76	53.7	-20.3	74	42.79	31.87	6.39	27.35	392	26	P	V
		5380.48	41.13	-12.87	54	30.32	31.78	6.38	27.35	392	26	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	46.8	-21.4	68.2	53.08	40.02	10.16	56.46	-	-	P	H
		15570	46.32	-27.68	74	51.09	39.32	12.03	56.12	-	-	P	H
		17989	56	-18	74	51.33	48.2	13.19	56.72	178	218	P	H
		17989	46.37	-7.63	54	41.7	48.2	13.19	56.72	178	218	A	H
		10380	47.48	-20.72	68.2	53.76	40.02	10.16	56.46	-	-	P	V
		15570	46.96	-27.04	74	51.73	39.32	12.03	56.12	-	-	P	V
		17989	56.01	-17.99	74	51.34	48.2	13.19	56.72	105	216	P	V
		17989	45.55	-8.45	54	40.88	48.2	13.19	56.72	105	216	A	V
802.11n HT40 CH 46 5230MHz		10460	48.21	-19.99	68.2	54.19	40.28	10.2	56.46	-	-	P	H
		15690	44.49	-29.51	74	49.56	38.75	12.04	55.86	-	-	P	H
		18000	56.31	-17.69	74	51.33	48.5	13.2	56.72	145	196	P	H
		18000	46.58	-7.42	54	41.6	48.5	13.2	56.72	145	196	A	H
		10460	47.68	-20.52	68.2	53.66	40.28	10.2	56.46	-	-	P	V
		15690	45.31	-28.69	74	50.38	38.75	12.04	55.86	-	-	P	V
		17989	56.09	-17.91	74	51.42	48.2	13.19	56.72	116	212	P	V
		17989	45.87	-8.13	54	41.2	48.2	13.19	56.72	116	212	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

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		5141.44	57.97	-16.03	74	46.92	32.18	6.28	27.41	100	112	P	H
		5140.4	49.61	-4.39	54	38.56	32.18	6.28	27.41	100	112	A	H
	*	5210	98.59	-	-	87.73	31.96	6.3	27.4	100	112	P	H
	*	5210	90.31	-	-	79.45	31.96	6.3	27.4	100	112	A	H
		5363.4	52.62	-21.38	74	41.93	31.68	6.37	27.36	100	112	P	H
		5351.64	42.14	-11.86	54	31.52	31.61	6.37	27.36	100	112	A	H
		5136.76	52.64	-21.36	74	41.61	32.17	6.27	27.41	100	108	P	V
		5150	43.22	-10.78	54	32.15	32.2	6.28	27.41	100	108	A	V
	*	5210	88.44	-	-	77.58	31.96	6.3	27.4	100	108	P	V
	*	5210	80.42	-	-	69.56	31.96	6.3	27.4	100	108	A	V
		5450.2	50.39	-23.61	74	39.41	31.9	6.41	27.33	100	108	P	V
		5459.16	41.06	-12.94	54	30.04	31.94	6.41	27.33	100	108	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	46.9	-21.3	68.2	53.02	40.16	10.18	56.46	-	-	P	H
		15630	47.71	-26.29	74	52.62	39.05	12.03	55.99	-	-	P	H
		17978	55.96	-18.04	74	51.58	47.91	13.19	56.72	108	234	P	H
		17978	45.65	-8.35	54	41.27	47.91	13.19	56.72	108	234	A	H
		10420	46.97	-21.23	68.2	53.09	40.16	10.18	56.46	-	-	P	V
		15630	45.98	-28.02	74	50.89	39.05	12.03	55.99	-	-	P	V
		18000	55.92	-18.08	74	50.94	48.5	13.2	56.72	111	174	P	V
		18000	46.43	-7.57	54	41.45	48.5	13.2	56.72	111	174	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5062.22	53.87	-20.13	74	42.94	32.1	6.26	27.43	100	99	P	H
		5103.36	43.89	-10.11	54	32.93	32.11	6.27	27.42	100	99	A	H
	*	5260	109.85	-	-	99.13	31.78	6.32	27.38	100	99	P	H
	*	5260	102.04	-	-	91.32	31.78	6.32	27.38	100	99	A	H
		5363.04	53.28	-20.72	74	42.59	31.68	6.37	27.36	100	99	P	H
		5352.48	42.63	-11.37	54	32.01	31.61	6.37	27.36	100	99	A	H
		5066.3	53.67	-20.33	74	42.74	32.1	6.26	27.43	345	26	P	V
		5103.7	43.07	-10.93	54	32.11	32.11	6.27	27.42	345	26	A	V
	*	5260	104.99	-	-	94.27	31.78	6.32	27.38	345	26	P	V
	*	5260	97.11	-	-	86.39	31.78	6.32	27.38	345	26	A	V
		5405.28	51.42	-22.58	74	40.47	31.9	6.39	27.34	345	26	P	V
		5415.12	41.13	-12.87	54	30.18	31.9	6.39	27.34	345	26	A	V
802.11a CH 60 5300MHz		5063.92	54.31	-19.69	74	43.38	32.1	6.26	27.43	114	110	P	H
		5070.04	43.65	-10.35	54	32.72	32.1	6.26	27.43	114	110	A	H
	*	5300	109.52	-	-	98.85	31.7	6.34	27.37	114	110	P	H
	*	5300	101.73	-	-	91.06	31.7	6.34	27.37	114	110	A	H
		5350.08	63.61	-10.39	74	53	31.6	6.37	27.36	114	110	P	H
		5350.08	47.15	-6.85	54	36.54	31.6	6.37	27.36	114	110	A	H
		5032.98	53.24	-20.76	74	42.43	32	6.25	27.44	340	24	P	V
		5138.72	42.76	-11.24	54	31.72	32.18	6.27	27.41	340	24	A	V
	*	5300	104.52	-	-	93.85	31.7	6.34	27.37	340	24	P	V
	*	5300	96.71	-	-	86.04	31.7	6.34	27.37	340	24	A	V
		5350.8	56.56	-17.44	74	45.95	31.6	6.37	27.36	340	24	P	V
		5350.08	42.19	-11.81	54	31.58	31.6	6.37	27.36	340	24	A	V

802.11a CH 64 5320MHz	*	5320	109.05	-	-	98.41	31.66	6.35	27.37	100	123	P	H
	*	5320	101.28	-	-	90.64	31.66	6.35	27.37	100	123	A	H
		5350.4	70.53	-3.47	74	59.92	31.6	6.37	27.36	100	123	P	H
		5350.08	52.29	-1.71	54	41.68	31.6	6.37	27.36	100	123	A	H
													H
													H
	*	5320	103.19	-	-	92.55	31.66	6.35	27.37	338	24	P	V
	*	5320	95.37	-	-	84.73	31.66	6.35	27.37	338	24	A	V
		5350.08	63.98	-10.02	74	53.37	31.6	6.37	27.36	338	24	P	V
		5350.08	46.93	-7.07	54	36.32	31.6	6.37	27.36	338	24	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	47.76	-20.44	68.2	53.6	40.36	10.23	56.43	-	-	P	H
		15780	45.05	-28.95	74	50.05	38.62	12.05	55.67	-	-	P	H
		18000	55.42	-18.58	74	50.44	48.5	13.2	56.72	147	256	P	H
		18000	46.45	-7.55	54	41.47	48.5	13.2	56.72	147	256	A	H
		10520	47.78	-20.42	68.2	53.62	40.36	10.23	56.43	-	-	P	V
		15780	45.76	-28.24	74	50.76	38.62	12.05	55.67	-	-	P	V
		17967	55.55	-18.45	74	51.49	47.61	13.17	56.72	125	225	P	V
		17967	45.27	-8.73	54	41.21	47.61	13.17	56.72	125	225	A	V
i802.11a CH 60 5300MHz		10600	47.7	-26.3	74	53.55	40.2	10.27	56.32	-	-	P	H
		15900	45.25	-28.75	74	49.89	38.7	12.07	55.41	-	-	P	H
		17978	55.31	-18.69	74	50.93	47.91	13.19	56.72	190	147	P	H
		17978	45.93	-8.07	54	41.55	47.91	13.19	56.72	190	147	A	H
		10600	46.98	-27.02	74	52.83	40.2	10.27	56.32	-	-	P	V
		15900	45.83	-28.17	74	50.47	38.7	12.07	55.41	-	-	P	V
		17978	56.52	-17.48	74	52.14	47.91	13.19	56.72	144	205	P	V
		17978	45.7	-8.3	54	41.32	47.91	13.19	56.72	144	205	A	V
802.11a CH 64 5320MHz		10640	47.6	-26.4	74	53.26	40.32	10.29	56.27	-	-	P	H
		15960	44.43	-29.57	74	49.13	38.52	12.07	55.29	-	-	P	H
		17989	56.24	-17.76	74	51.57	48.2	13.19	56.72	108	188	P	H
		17989	46.2	-7.8	54	41.53	48.2	13.19	56.72	108	188	A	H
		10640	47.95	-26.05	74	53.61	40.32	10.29	56.27	-	-	P	V
		15960	45.15	-28.85	74	49.85	38.52	12.07	55.29	-	-	P	V
		18000	56.15	-17.85	74	51.17	48.5	13.2	56.72	155	145	P	V
		18000	46.29	-7.71	54	41.31	48.5	13.2	56.72	155	145	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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)
		5036.04	54.85	-19.15	74	44.02	32.02	6.25	27.44	100	99	P	H
		5098.6	44.03	-9.97	54	33.09	32.1	6.26	27.42	100	99	A	H
	*	5260	109.57	-	-	98.85	31.78	6.32	27.38	100	99	P	H
	*	5260	102.07	-	-	91.35	31.78	6.32	27.38	100	99	A	H
802.11n		5357.76	53.43	-20.57	74	42.77	31.65	6.37	27.36	100	99	P	H
HT20		5353.2	42.64	-11.36	54	32.01	31.62	6.37	27.36	100	99	A	H
CH 52		5092.14	53.15	-20.85	74	42.22	32.1	6.26	27.43	345	26	P	V
5260MHz		5098.94	43.06	-10.94	54	32.12	32.1	6.26	27.42	345	26	A	V
	*	5260	104.71	-	-	93.99	31.78	6.32	27.38	345	26	P	V
	*	5260	97.07	-	-	86.35	31.78	6.32	27.38	345	26	A	V
		5424.24	51.86	-22.14	74	40.9	31.9	6.4	27.34	345	26	P	V
		5411.52	41.08	-12.92	54	30.13	31.9	6.39	27.34	345	26	A	V
		5039.1	54.01	-19.99	74	43.17	32.03	6.25	27.44	115	109	P	H
		5071.74	43.75	-10.25	54	32.82	32.1	6.26	27.43	115	109	A	H
	*	5300	109.3	-	-	98.63	31.7	6.34	27.37	115	109	P	H
	*	5300	101.68	-	-	91.01	31.7	6.34	27.37	115	109	A	H
802.11n		5351.04	64.66	-9.34	74	54.04	31.61	6.37	27.36	115	109	P	H
HT20		5350.08	46.96	-7.04	54	36.35	31.6	6.37	27.36	115	109	A	H
CH 60		5004.42	53.1	-20.9	74	42.48	31.83	6.24	27.45	339	26	P	V
5300MHz		5138.38	42.76	-11.24	54	31.72	32.18	6.27	27.41	339	26	A	V
	*	5300	104.19	-	-	93.52	31.7	6.34	27.37	339	26	P	V
	*	5300	96.55	-	-	85.88	31.7	6.34	27.37	339	26	A	V
		5350.32	53.35	-20.65	74	42.74	31.6	6.37	27.36	339	26	P	V
		5350.08	41.73	-12.27	54	31.12	31.6	6.37	27.36	339	26	A	V

	*	5320	108.44	-	-	97.8	31.66	6.35	27.37	112	109	P	H
	*	5320	100.74	-	-	90.1	31.66	6.35	27.37	112	109	A	H
		5351.2	70.07	-3.93	74	59.45	31.61	6.37	27.36	112	109	P	H
		5351.52	51.46	-2.54	54	40.84	31.61	6.37	27.36	112	109	A	H
802.11n													H
HT20													H
CH 64	*	5320	103.07	-	-	92.43	31.66	6.35	27.37	338	26	P	V
5320MHz	*	5320	95.37	-	-	84.73	31.66	6.35	27.37	338	26	A	V
		5351.52	64.04	-9.96	74	53.42	31.61	6.37	27.36	338	26	P	V
		5351.04	45.76	-8.24	54	35.14	31.61	6.37	27.36	338	26	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	47.2	-21	68.2	53.04	40.36	10.23	56.43	-	-	P	H
		15780	45.14	-28.86	74	50.14	38.62	12.05	55.67	-	-	P	H
		18000	55.49	-18.51	74	50.51	48.5	13.2	56.72	128	199	P	H
		18000	46.7	-7.3	54	41.72	48.5	13.2	56.72	128	199	A	H
		10520	48.15	-20.05	68.2	53.99	40.36	10.23	56.43	-	-	P	V
		15780	45.29	-28.71	74	50.29	38.62	12.05	55.67	-	-	P	V
		17989	56.42	-17.58	74	51.75	48.2	13.19	56.72	133	125	P	V
		17989	46.05	-7.95	54	41.38	48.2	13.19	56.72	133	125	A	V
802.11n HT20 CH 60 5300MHz		10600	47.38	-26.62	74	53.23	40.2	10.27	56.32	-	-	P	H
		15900	45.21	-28.79	74	49.85	38.7	12.07	55.41	-	-	P	H
		18000	56.87	-17.13	74	51.89	48.5	13.2	56.72	196	137	P	H
		18000	46.54	-7.46	54	41.56	48.5	13.2	56.72	196	137	A	H
		10600	47.16	-26.84	74	53.01	40.2	10.27	56.32	-	-	P	V
		15900	44.94	-29.06	74	49.58	38.7	12.07	55.41	-	-	P	V
		18000	55.54	-18.46	74	50.56	48.5	13.2	56.72	149	144	P	V
		18000	46.21	-7.79	54	41.23	48.5	13.2	56.72	149	144	A	V
802.11n HT20 CH 64 5320MHz		10640	47.67	-26.33	74	53.33	40.32	10.29	56.27	-	-	P	H
		15960	44.59	-29.41	74	49.29	38.52	12.07	55.29	-	-	P	H
		17989	55.83	-18.17	74	51.16	48.2	13.19	56.72	103	111	P	H
		17989	46.26	-7.74	54	41.59	48.2	13.19	56.72	103	111	A	H
		10640	46.77	-27.23	74	52.43	40.32	10.29	56.27	-	-	P	V
		15960	44.65	-29.35	74	49.35	38.52	12.07	55.29	-	-	P	V
		17989	56.59	-17.41	74	51.92	48.2	13.19	56.72	152	255	P	V
		17989	46.06	-7.94	54	41.39	48.2	13.19	56.72	152	255	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5094.18	53.93	-20.07	74	43	32.1	6.26	27.43	100	106	P	H
		5131.58	43.83	-10.17	54	32.82	32.16	6.27	27.42	100	106	A	H
	*	5270	106.14	-	-	95.44	31.76	6.32	27.38	100	106	P	H
	*	5270	98.58	-	-	87.88	31.76	6.32	27.38	100	106	A	H
		5355.84	59.41	-14.59	74	48.76	31.64	6.37	27.36	100	106	P	H
		5350.08	48.11	-5.89	54	37.5	31.6	6.37	27.36	100	106	A	H
		5078.54	53.03	-20.97	74	42.1	32.1	6.26	27.43	392	25	P	V
		5114.58	43.11	-10.89	54	32.13	32.13	6.27	27.42	392	25	A	V
	*	5270	102.28	-	-	91.58	31.76	6.32	27.38	392	25	P	V
	*	5270	94.57	-	-	83.87	31.76	6.32	27.38	392	25	A	V
		5352.96	53.97	-20.03	74	43.34	31.62	6.37	27.36	392	25	P	V
		5350.08	43.53	-10.47	54	32.92	31.6	6.37	27.36	392	25	A	V
802.11n HT40 CH 62 5310MHz		5142.46	53.17	-20.83	74	42.12	32.18	6.28	27.41	100	122	P	H
		5056.78	43.1	-10.9	54	32.19	32.1	6.25	27.44	100	122	A	H
	*	5310	104.18	-	-	93.53	31.68	6.34	27.37	100	122	P	H
	*	5310	96.56	-	-	85.91	31.68	6.34	27.37	100	122	A	H
		5350.08	59.97	-14.03	74	49.36	31.6	6.37	27.36	100	122	P	H
		5350.08	48.57	-5.43	54	37.96	31.6	6.37	27.36	100	122	A	H
		5148.58	52.57	-21.43	74	41.5	32.2	6.28	27.41	100	102	P	V
		5059.5	42.28	-11.72	54	31.36	32.1	6.25	27.43	100	102	A	V
	*	5310	95.18	-	-	84.53	31.68	6.34	27.37	100	102	P	V
	*	5310	87.58	-	-	76.93	31.68	6.34	27.37	100	102	A	V
		5355.12	50.28	-23.72	74	39.64	31.63	6.37	27.36	100	102	P	V
		5350.08	42.35	-11.65	54	31.74	31.6	6.37	27.36	100	102	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	46.93	-21.27	68.2	52.77	40.32	10.24	56.4	-	-	P	H
		15810	44.78	-29.22	74	49.72	38.61	12.06	55.61	-	-	P	H
		18000	56.24	-17.76	74	51.26	48.5	13.2	56.72	146	163	P	H
		18000	46.49	-7.51	54	41.51	48.5	13.2	56.72	146	163	A	H
		10540	47.17	-21.03	68.2	53.01	40.32	10.24	56.4	-	-	P	V
		15810	44.63	-29.37	74	49.57	38.61	12.06	55.61	-	-	P	V
		17978	55.75	-18.25	74	51.37	47.91	13.19	56.72	108	118	P	V
		17978	45.75	-8.25	54	41.37	47.91	13.19	56.72	108	118	A	V
802.11n HT40 CH 62 5310MHz		10620	47.23	-26.77	74	52.98	40.26	10.28	56.29	-	-	P	H
		15930	44.93	-29.07	74	49.6	38.61	12.07	55.35	-	-	P	H
		17989	56.13	-17.87	74	51.46	48.2	13.19	56.72	199	208	P	H
		17989	48.02	-5.98	54	43.35	48.2	13.19	56.72	199	208	A	H
		10620	47.07	-26.93	74	52.82	40.26	10.28	56.29	-	-	P	V
		15930	44.67	-29.33	74	49.34	38.61	12.07	55.35	-	-	P	V
		17978	55.6	-18.4	74	51.22	47.91	13.19	56.72	135	106	P	V
		17978	47.58	-6.42	54	43.2	47.91	13.19	56.72	135	106	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5071.4	53.91	-20.09	74	42.98	32.1	6.26	27.43	100	120	P	H
		5141.44	44.22	-9.78	54	33.17	32.18	6.28	27.41	100	120	A	H
	*	5290	99.21	-	-	88.52	31.72	6.34	27.37	100	120	P	H
	*	5290	90.73	-	-	80.04	31.72	6.34	27.37	100	120	A	H
		5352.96	55.85	-18.15	74	45.22	31.62	6.37	27.36	100	120	P	H
		5350.08	47.4	-6.6	54	36.79	31.6	6.37	27.36	100	120	A	H
		5065.62	52.62	-21.38	74	41.69	32.1	6.26	27.43	100	101	P	V
		5070.38	42.34	-11.66	54	31.41	32.1	6.26	27.43	100	101	A	V
	*	5290	89.44	-	-	78.75	31.72	6.34	27.37	100	101	P	V
	*	5290	81.62	-	-	70.93	31.72	6.34	27.37	100	101	A	V
		5440.32	51.41	-22.59	74	40.45	31.9	6.4	27.34	100	101	P	V
		5350.08	41.83	-12.17	54	31.22	31.6	6.37	27.36	100	101	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	46.32	-21.88	68.2	52.17	40.24	10.26	56.35	-	-	P	H
		15870	45.79	-28.21	74	50.53	38.67	12.07	55.48	-	-	P	H
		17978	56.03	-17.97	74	51.65	47.91	13.19	56.72	169	206	P	H
		17978	47.57	-6.43	54	43.19	47.91	13.19	56.72	169	206	A	H
		10580	47.19	-21.01	68.2	53.04	40.24	10.26	56.35	-	-	P	V
		15870	45.43	-28.57	74	50.17	38.67	12.07	55.48	-	-	P	V
		17956	55.1	-18.9	74	51.35	47.31	13.16	56.72	178	201	P	V
		17956	47.05	-6.95	54	43.3	47.31	13.16	56.72	178	201	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5459.12	56.72	-17.28	74	45.7	31.94	6.41	27.33	100	123	P	H
		5468.88	66.2	-2	68.2	55.14	31.98	6.41	27.33	100	123	P	H
		5460	44.49	-9.51	54	33.47	31.94	6.41	27.33	100	123	A	H
	*	5500	109.74	-	-	98.54	32.1	6.42	27.32	100	123	P	H
	*	5500	101.78	-	-	90.58	32.1	6.42	27.32	100	123	A	H
													H
		5428.56	51.72	-22.28	74	40.76	31.9	6.4	27.34	100	102	P	V
		5469.68	58.58	-9.62	68.2	47.52	31.98	6.41	27.33	100	102	P	V
		5460	41.59	-12.41	54	30.57	31.94	6.41	27.33	100	102	A	V
	*	5500	101.11	-	-	89.91	32.1	6.42	27.32	100	102	P	V
	*	5500	93.5	-	-	82.3	32.1	6.42	27.32	100	102	A	V
													V
802.11a CH 116 5580MHz		5397.28	53.83	-20.17	74	42.91	31.88	6.39	27.35	100	106	P	H
		5465.68	53.65	-14.55	68.2	42.61	31.96	6.41	27.33	100	106	P	H
		5459.92	42.89	-11.11	54	31.87	31.94	6.41	27.33	100	106	A	H
	*	5580	111.12	-	-	100.06	32	6.44	27.38	100	106	P	H
	*	5580	103.28	-	-	92.22	32	6.44	27.38	100	106	A	H
		5735.075	54.21	-13.99	68.2	42.95	32.34	6.41	27.49	100	106	P	H
		5418.4	51.46	-22.54	74	40.5	31.9	6.4	27.34	341	26	P	V
		5468.56	51.4	-16.8	68.2	40.35	31.97	6.41	27.33	341	26	P	V
		5459.92	41.51	-12.49	54	30.49	31.94	6.41	27.33	341	26	A	V
	*	5580	105.03	-	-	93.97	32	6.44	27.38	341	26	P	V
	*	5580	97.26	-	-	86.2	32	6.44	27.38	341	26	A	V
		5750.825	51.75	-16.45	68.2	40.45	32.4	6.4	27.5	341	26	P	V

802.11a CH 140 5700MHz	*	5700	106.79	-	-	95.63	32.2	6.42	27.46	117	107	P	H
	*	5700	98.95	-	-	87.79	32.2	6.42	27.46	117	107	A	H
		5727.24	60.03	-8.17	68.2	48.79	32.31	6.41	27.48	117	107	P	H
													H
													H
													H
	*	5700	100.08	-	-	88.92	32.2	6.42	27.46	345	25	P	V
	*	5700	92.36	-	-	81.2	32.2	6.42	27.46	345	25	A	V
		5729.08	54.1	-14.1	68.2	42.85	32.32	6.41	27.48	345	25	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	47.4	-26.6	74	52	40.7	10.47	55.77	-	-	P	H
		16500	47.01	-21.19	68.2	50.16	39.9	12.26	55.31	-	-	P	H
		17967	56.55	-17.45	74	52.49	47.61	13.17	56.72	129	133	P	H
		17967	47.46	-6.54	54	43.4	47.61	13.17	56.72	129	133	A	H
		11000	47.82	-26.18	74	52.42	40.7	10.47	55.77	-	-	P	V
		16500	46.19	-22.01	68.2	49.34	39.9	12.26	55.31	-	-	P	V
		17989	55.49	-18.51	74	50.82	48.2	13.19	56.72	152	250	P	V
		17989	48.31	-5.69	54	43.64	48.2	13.19	56.72	152	250	A	V
802.11a CH 116 5580MHz		11160	47.61	-26.39	74	52.88	39.96	10.54	55.77	-	-	P	H
		16740	46.66	-21.54	68.2	49.58	40.26	12.35	55.53	-	-	P	H
		17978	56.56	-17.44	74	52.18	47.91	13.19	56.72	144	140	P	H
		17978	46.38	-7.62	54	42	47.91	13.19	56.72	144	140	A	H
		11160	47.17	-26.83	74	52.44	39.96	10.54	55.77	-	-	P	V
		16740	47.32	-20.88	68.2	50.24	40.26	12.35	55.53	-	-	P	V
		18000	55.73	-18.27	74	50.75	48.5	13.2	56.72	135	209	P	V
		18000	45.6	-8.4	54	40.62	48.5	13.2	56.72	135	209	A	V
802.11a CH 140 5700MHz		11400	47.23	-26.77	74	52.47	39.9	10.64	55.78	-	-	P	H
		17100	47.71	-20.49	68.2	50.74	40.4	12.52	55.95	-	-	P	H
		17978	56.31	-17.69	74	51.93	47.91	13.19	56.72	153	136	P	H
		17978	46.22	-7.78	54	41.84	47.91	13.19	56.72	153	136	A	H
		11400	47.44	-26.56	74	52.68	39.9	10.64	55.78	-	-	P	V
		17100	47.81	-20.39	68.2	50.84	40.4	12.52	55.95	-	-	P	V
		17989	55.47	-18.53	74	50.8	48.2	13.19	56.72	100	217	P	V
		17989	45.3	-8.7	54	40.63	48.2	13.19	56.72	100	217	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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)
		5458.8	61.72	-12.28	74	50.7	31.94	6.41	27.33	100	107	P	H
		5465.2	64.92	-3.28	68.2	53.88	31.96	6.41	27.33	100	107	P	H
		5460	45.65	-8.35	54	34.63	31.94	6.41	27.33	100	107	A	H
	*	5500	109.04	-	-	97.84	32.1	6.42	27.32	100	107	P	H
802.11n	*	5500	101.17	-	-	89.97	32.1	6.42	27.32	100	107	A	H
HT20													H
CH 100		5363.92	52.43	-21.57	74	41.74	31.68	6.37	27.36	374	26	P	V
5500MHz		5469.68	56.41	-11.79	68.2	45.35	31.98	6.41	27.33	374	26	P	V
		5460	41.72	-12.28	54	30.7	31.94	6.41	27.33	374	26	A	V
	*	5500	103.07	-	-	91.87	32.1	6.42	27.32	374	26	P	V
	*	5500	95.42	-	-	84.22	32.1	6.42	27.32	374	26	A	V
													V
		5407.6	52.89	-21.11	74	41.94	31.9	6.39	27.34	100	106	P	H
		5465.2	52.39	-15.81	68.2	41.35	31.96	6.41	27.33	100	106	P	H
		5428	42.95	-11.05	54	31.99	31.9	6.4	27.34	100	106	A	H
	*	5580	110.79	-	-	99.73	32	6.44	27.38	100	106	P	H
802.11n	*	5580	103.11	-	-	92.05	32	6.44	27.38	100	106	A	H
HT20		5727.83	53.16	-15.04	68.2	41.92	32.31	6.41	27.48	100	106	P	H
CH 116		5428.96	51.42	-22.58	74	40.46	31.9	6.4	27.34	384	29	P	V
5580MHz		5469.76	50.21	-17.99	68.2	39.15	31.98	6.41	27.33	384	29	P	V
		5418.4	41.4	-12.6	54	30.44	31.9	6.4	27.34	384	29	A	V
	*	5580	104.97	-	-	93.91	32	6.44	27.38	384	29	P	V
	*	5580	97.29	-	-	86.23	32	6.44	27.38	384	29	A	V
		5726.57	51.77	-16.43	68.2	40.53	32.31	6.41	27.48	384	29	P	V

	*	5700	107.44	-	-	96.28	32.2	6.42	27.46	101	107	P	H
	*	5700	99.89	-	-	88.73	32.2	6.42	27.46	101	107	A	H
		5725.24	63.43	-4.77	68.2	52.2	32.3	6.41	27.48	101	107	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	102.81	-	-	91.65	32.2	6.42	27.46	390	27	P	V
5700MHz	*	5700	95.22	-	-	84.06	32.2	6.42	27.46	390	27	A	V
		5725.96	54.21	-13.99	68.2	42.98	32.3	6.41	27.48	390	27	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	47.41	-26.59	74	52.01	40.7	10.47	55.77	-	-	P	H
		16500	46.51	-21.69	68.2	49.66	39.9	12.26	55.31	-	-	P	H
		18000	55.94	-18.06	74	50.96	48.5	13.2	56.72	105	274	P	H
		18000	45.85	-8.15	54	40.87	48.5	13.2	56.72	105	274	A	H
		11000	47.61	-26.39	74	52.21	40.7	10.47	55.77	-	-	P	V
		16500	48.28	-19.92	68.2	51.43	39.9	12.26	55.31	-	-	P	V
		17978	56.25	-17.75	74	51.87	47.91	13.19	56.72	143	138	P	V
		17978	46.16	-7.84	54	41.78	47.91	13.19	56.72	143	138	A	V
802.11n HT20 CH 116 5580MHz		11160	47.27	-26.73	74	52.54	39.96	10.54	55.77	-	-	P	H
		16740	46.78	-21.42	68.2	49.7	40.26	12.35	55.53	-	-	P	H
		18000	57	-17	74	52.02	48.5	13.2	56.72	149	237	P	H
		18000	46.93	-7.07	54	41.95	48.5	13.2	56.72	149	237	A	H
		11160	47.77	-26.23	74	53.04	39.96	10.54	55.77	-	-	P	V
		16740	46.54	-21.66	68.2	49.46	40.26	12.35	55.53	-	-	P	V
		17967	55.92	-18.08	74	51.86	47.61	13.17	56.72	158	255	P	V
		17967	45.8	-8.2	54	41.74	47.61	13.17	56.72	158	255	A	V
802.11n HT20 CH 140 5700MHz		11400	47.62	-26.38	74	52.86	39.9	10.64	55.78	-	-	P	H
		17100	48.67	-19.53	68.2	51.7	40.4	12.52	55.95	-	-	P	H
		18000	56.35	-17.65	74	51.37	48.5	13.2	56.72	149	204	P	H
		18000	46.23	-7.77	54	41.25	48.5	13.2	56.72	149	204	A	H
		11400	47.74	-26.26	74	52.98	39.9	10.64	55.78	-	-	P	V
		17100	47.76	-20.44	68.2	50.79	40.4	12.52	55.95	-	-	P	V
		18000	55.64	-18.36	74	50.66	48.5	13.2	56.72	112	153	P	V
		18000	45.56	-8.44	54	40.58	48.5	13.2	56.72	112	153	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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)
		5456.08	59.3	-14.7	74	48.3	31.92	6.41	27.33	100	122	P	H
		5470	63.38	-4.82	68.2	52.32	31.98	6.41	27.33	100	122	P	H
		5459.92	49.21	-4.79	54	38.19	31.94	6.41	27.33	100	122	A	H
	*	5510	106.71	-	-	95.54	32.08	6.42	27.33	100	122	P	H
802.11n	*	5510	98.72	-	-	87.55	32.08	6.42	27.33	100	122	A	H
HT40		5740.115	51.87	-16.33	68.2	40.59	32.36	6.41	27.49	100	122	P	H
CH 102		5455.6	51.53	-22.47	74	40.53	31.92	6.41	27.33	100	102	P	V
5510MHz		5465.44	54.1	-14.1	68.2	43.06	31.96	6.41	27.33	100	102	P	V
		5459.92	43.42	-10.58	54	32.4	31.94	6.41	27.33	100	102	A	V
	*	5510	98.53	-	-	87.36	32.08	6.42	27.33	100	102	P	V
	*	5510	90.47	-	-	79.3	32.08	6.42	27.33	100	102	A	V
		5749.25	50.84	-17.36	68.2	39.53	32.4	6.41	27.5	100	102	P	V
		5458.96	56.89	-17.11	74	45.87	31.94	6.41	27.33	100	107	P	H
		5468.32	59.77	-8.43	68.2	48.72	31.97	6.41	27.33	100	107	P	H
		5459.68	45.43	-8.57	54	34.41	31.94	6.41	27.33	100	107	A	H
	*	5550	108.6	-	-	97.53	32	6.43	27.36	100	107	P	H
802.11n	*	5550	100.37	-	-	89.3	32	6.43	27.36	100	107	A	H
HT40		5729.405	52.74	-15.46	68.2	41.5	32.32	6.41	27.49	100	107	P	H
CH 110		5435.68	50.9	-23.1	74	39.94	31.9	6.4	27.34	381	32	P	V
5550MHz		5469.28	51.6	-16.6	68.2	40.54	31.98	6.41	27.33	381	32	P	V
		5458.96	41.9	-12.1	54	30.88	31.94	6.41	27.33	381	32	A	V
	*	5550	103.01	-	-	91.94	32	6.43	27.36	381	32	P	V
	*	5550	95.1	-	-	84.03	32	6.43	27.36	381	32	A	V
		5750.51	50.77	-17.43	68.2	39.47	32.4	6.4	27.5	381	32	P	V

		5387.1	52.16	-21.84	74	41.31	31.82	6.38	27.35	105	108	P	H
		5466.9	52.12	-16.08	68.2	41.07	31.97	6.41	27.33	105	108	P	H
		5459.9	43.02	-10.98	54	32	31.94	6.41	27.33	105	108	A	H
	*	5670	105.1	-	-	94.09	32.02	6.43	27.44	105	108	P	H
802.11n	*	5670	97.27	-	-	86.26	32.02	6.43	27.44	105	108	A	H
HT40		5725.31	63.27	-4.93	68.2	52.04	32.3	6.41	27.48	105	108	P	H
CH 134		5451.85	51.19	-22.81	74	40.2	31.91	6.41	27.33	391	7	P	V
5670MHz		5469	50.57	-17.63	68.2	39.51	31.98	6.41	27.33	391	7	P	V
		5458.5	41.01	-12.99	54	30	31.93	6.41	27.33	391	7	A	V
	*	5670	100.45	-	-	89.44	32.02	6.43	27.44	391	7	P	V
	*	5670	92.63	-	-	81.62	32.02	6.43	27.44	391	7	A	V
		5741.375	52.6	-15.6	68.2	41.31	32.37	6.41	27.49	391	7	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)
		11020	48.17	-25.83	74	52.86	40.6	10.48	55.77	-	-	P	H
		16530	45.56	-22.64	68.2	48.76	39.87	12.27	55.34	-	-	P	H
802.11n		18000	55.67	-18.33	74	50.69	48.5	13.2	56.72	114	96	P	H
HT40		18000	45.5	-8.5	54	40.52	48.5	13.2	56.72	114	96	A	H
CH 102		11020	47.6	-26.4	74	52.29	40.6	10.48	55.77	-	-	P	V
5510MHz		16530	47.02	-21.18	68.2	50.22	39.87	12.27	55.34	-	-	P	V
		17978	55.54	-18.46	74	51.16	47.91	13.19	56.72	100	207	P	V
		17978	45.46	-8.54	54	41.08	47.91	13.19	56.72	100	207	A	V
		11100	48.13	-25.87	74	53.19	40.2	10.51	55.77	-	-	P	H
		16650	46.4	-21.8	68.2	49.59	39.95	12.31	55.45	-	-	P	H
802.11n		17989	55.94	-18.06	74	51.27	48.2	13.19	56.72	152	222	P	H
HT40		17989	45.76	-8.24	54	41.09	48.2	13.19	56.72	152	222	A	H
CH 110		11100	47.4	-26.6	74	52.46	40.2	10.51	55.77	-	-	P	V
5550MHz		16650	46.61	-21.59	68.2	49.8	39.95	12.31	55.45	-	-	P	V
		18000	55.79	-18.21	74	50.81	48.5	13.2	56.72	139	241	P	V
		18000	45.73	-8.27	54	40.75	48.5	13.2	56.72	139	241	A	V
		11340	47.01	-26.99	74	52.4	39.78	10.61	55.78	-	-	P	H
		17010	47.7	-20.5	68.2	50.55	40.49	12.45	55.79	-	-	P	H
802.11n		17978	55.52	-18.48	74	51.14	47.91	13.19	56.72	104	196	P	H
HT40		17978	45.42	-8.58	54	41.04	47.91	13.19	56.72	104	196	A	H
CH 134		11340	46.83	-27.17	74	52.22	39.78	10.61	55.78	-	-	P	V
5670MHz		17010	47.68	-20.52	68.2	50.53	40.49	12.45	55.79	-	-	P	V
		17989	56.24	-17.76	74	51.57	48.2	13.19	56.72	134	131	P	V
		17989	46.11	-7.89	54	41.44	48.2	13.19	56.72	134	131	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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)
		5447.92	60.55	-13.45	74	49.58	31.9	6.4	27.33	100	122	P	H
		5468.32	61.65	-6.55	68.2	50.6	31.97	6.41	27.33	100	122	P	H
		5459.92	51.17	-2.83	54	40.15	31.94	6.41	27.33	100	122	A	H
	*	5530	101.15	-	-	90.02	32.04	6.43	27.34	100	122	P	H
802.11ac	*	5530	92.09	-	-	80.96	32.04	6.43	27.34	100	122	A	H
VHT80		5757.755	52.69	-15.51	68.2	41.4	32.4	6.4	27.51	100	122	P	H
CH 106		5437.6	52.81	-21.19	74	41.85	31.9	6.4	27.34	100	102	P	V
5530MHz		5462.56	54.13	-14.07	68.2	43.1	31.95	6.41	27.33	100	102	P	V
		5459.92	44.45	-9.55	54	33.43	31.94	6.41	27.33	100	102	A	V
	*	5530	92.54	-	-	81.41	32.04	6.43	27.34	100	102	P	V
	*	5530	83.94	-	-	72.81	32.04	6.43	27.34	100	102	A	V
		5753.345	50.78	-17.42	68.2	39.48	32.4	6.4	27.5	100	102	P	V
		5451.85	57.05	-16.95	74	46.06	31.91	6.41	27.33	100	112	P	H
		5466.55	56.56	-11.64	68.2	45.51	31.97	6.41	27.33	100	112	P	H
		5459.55	47.16	-6.84	54	36.14	31.94	6.41	27.33	100	112	A	H
	*	5610	104.01	-	-	92.98	31.98	6.45	27.4	100	112	P	H
802.11ac	*	5610	95.59	-	-	84.56	31.98	6.45	27.4	100	112	A	H
VHT80		5730.98	65.67	-2.53	68.2	54.43	32.32	6.41	27.49	100	112	P	H
CH 122		5451.15	52.72	-21.28	74	41.74	31.9	6.41	27.33	100	74	P	V
5610MHz		5460.6	51.26	-16.94	68.2	40.24	31.94	6.41	27.33	100	74	P	V
		5459.9	42.91	-11.09	54	31.89	31.94	6.41	27.33	100	74	A	V
	*	5610	98.64	-	-	87.61	31.98	6.45	27.4	100	74	P	V
	*	5610	90.58	-	-	79.55	31.98	6.45	27.4	100	74	A	V
		5727.515	59.41	-8.79	68.2	48.17	32.31	6.41	27.48	100	74	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	47.45	-26.55	74	52.32	40.4	10.5	55.77	-	-	P	H
		16590	46.99	-21.21	68.2	50.28	39.81	12.29	55.39	-	-	P	H
		17967	55.85	-18.15	74	51.79	47.61	13.17	56.72	141	258	P	H
		17967	45.47	-8.53	54	41.41	47.61	13.17	56.72	141	258	A	H
		11060	47.8	-26.2	74	52.67	40.4	10.5	55.77	-	-	P	V
		16590	46.82	-21.38	68.2	50.11	39.81	12.29	55.39	-	-	P	V
		18000	55.85	-18.15	74	50.87	48.5	13.2	56.72	103	192	P	V
		18000	45.54	-8.46	54	40.56	48.5	13.2	56.72	103	192	A	V
802.11ac VHT80 CH 122 5610MHz		11220	47.08	-26.92	74	52.51	39.78	10.56	55.77	-	-	P	H
		16830	47.88	-20.32	68.2	50.58	40.53	12.38	55.61	-	-	P	H
		18000	56.38	-17.62	74	51.4	48.5	13.2	56.72	190	229	P	H
		18000	48.49	-5.51	54	43.51	48.5	13.2	56.72	190	229	A	H
		11220	47.31	-26.69	74	52.74	39.78	10.56	55.77	-	-	P	V
		16830	46.79	-21.41	68.2	49.49	40.53	12.38	55.61	-	-	P	V
		17978	55.19	-18.81	74	50.81	47.91	13.19	56.72	182	199	P	V
		17978	47.62	-6.38	54	43.24	47.91	13.19	56.72	182	199	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5442.82	54.58	-19.42	74	43.61	31.9	6.4	27.33	108	107	P	H
		5465.05	53.06	-15.14	68.2	42.02	31.96	6.41	27.33	108	107	P	H
		5456.86	43.39	-10.61	54	32.38	31.93	6.41	27.33	108	107	A	H
	*	5720	110.69	-	-	99.48	32.28	6.41	27.48	108	107	P	H
	*	5720	102.76	-	-	91.55	32.28	6.41	27.48	108	107	A	H
		5869.25	52.76	-15.44	68.2	41.32	32.58	6.45	27.59	108	107	P	H
		5431.12	50.66	-23.34	74	39.7	31.9	6.4	27.34	295	26	P	V
		5462.32	50.51	-17.69	68.2	39.48	31.95	6.41	27.33	295	26	P	V
		5458.42	41.23	-12.77	54	30.22	31.93	6.41	27.33	295	26	A	V
	*	5720	104.5	-	-	93.29	32.28	6.41	27.48	295	26	P	V
	*	5720	96.67	-	-	85.46	32.28	6.41	27.48	295	26	A	V
		5872.25	52.21	-15.99	68.2	40.76	32.59	6.45	27.59	295	26	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	47.59	-26.41	74	52.7	40.02	10.65	55.78	-	-	P	H
		17160	47.97	-20.23	68.2	51.01	40.46	12.56	56.06	-	-	P	H
		18000	56.15	-17.85	74	51.17	48.5	13.2	56.72	106	164	P	H
		18000	46.03	-7.97	54	41.05	48.5	13.2	56.72	106	164	A	H
		11440	47.11	-26.89	74	52.22	40.02	10.65	55.78	-	-	P	V
		17160	48.48	-19.72	68.2	51.52	40.46	12.56	56.06	-	-	P	V
		17967	56.05	-17.95	74	51.99	47.61	13.17	56.72	153	164	P	V
		17967	45.92	-8.08	54	41.86	47.61	13.17	56.72	153	164	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5404.99	52.62	-21.38	74	41.67	31.9	6.39	27.34	101	114	P	H
		5465.83	52	-16.2	68.2	40.96	31.96	6.41	27.33	101	114	P	H
		5459.59	43.16	-10.84	54	32.14	31.94	6.41	27.33	101	114	A	H
	*	5720	110.29	-	-	99.08	32.28	6.41	27.48	101	114	P	H
	*	5720	102.74	-	-	91.53	32.28	6.41	27.48	101	114	A	H
		5892.5	52.77	-15.43	68.2	41.23	32.67	6.47	27.6	101	114	P	H
		5417.47	50.51	-23.49	74	39.55	31.9	6.4	27.34	379	29	P	V
		5462.71	49.3	-18.9	68.2	38.27	31.95	6.41	27.33	379	29	P	V
		5459.2	41.56	-12.44	54	30.54	31.94	6.41	27.33	379	29	A	V
	*	5720	105.04	-	-	93.83	32.28	6.41	27.48	379	29	P	V
	*	5720	97.44	-	-	86.23	32.28	6.41	27.48	379	29	A	V
		5857.75	51.94	-16.26	68.2	40.55	32.53	6.44	27.58	379	29	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	47.79	-26.21	74	52.9	40.02	10.65	55.78	-	-	P	H
		17160	49.19	-19.01	68.2	52.23	40.46	12.56	56.06	-	-	P	H
		17989	56.56	-17.44	74	51.89	48.2	13.19	56.72	198	234	P	H
		17989	45.91	-8.09	54	41.24	48.2	13.19	56.72	198	234	A	H
		11440	47.73	-26.27	74	52.84	40.02	10.65	55.78	-	-	P	V
		17160	49.21	-18.99	68.2	52.25	40.46	12.56	56.06	-	-	P	V
		17989	55.94	-18.06	74	51.27	48.2	13.19	56.72	151	106	P	V
		17989	45.96	-8.04	54	41.29	48.2	13.19	56.72	151	106	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5447.5	53.19	-20.81	74	42.22	31.9	6.4	27.33	101	108	P	H
		5468.17	51.88	-16.32	68.2	40.83	31.97	6.41	27.33	101	108	P	H
		5459.98	43.8	-10.2	54	32.78	31.94	6.41	27.33	101	108	A	H
	*	5710	107.77	-	-	96.58	32.24	6.42	27.47	101	108	P	H
	*	5710	99.96	-	-	88.77	32.24	6.42	27.47	101	108	A	H
		5851.75	55.39	-12.81	68.2	44.02	32.51	6.43	27.57	101	108	P	H
		5414.35	51.35	-22.65	74	40.4	31.9	6.39	27.34	387	28	P	V
		5460.76	49.63	-18.57	68.2	38.61	31.94	6.41	27.33	387	28	P	V
		5419.81	41.3	-12.7	54	30.34	31.9	6.4	27.34	387	28	A	V
	*	5710	103.07	-	-	91.88	32.24	6.42	27.47	387	28	P	V
	*	5710	95.34	-	-	84.15	32.24	6.42	27.47	387	28	A	V
		5855.75	52.33	-15.87	68.2	40.95	32.52	6.44	27.58	387	28	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	47	-27	74	52.17	39.96	10.65	55.78	-	-	P	H
		17130	48.43	-19.77	68.2	51.48	40.43	12.53	56.01	-	-	P	H
		18000	56.31	-17.69	74	51.33	48.5	13.2	56.72	214	114	P	H
		18000	46.25	-7.75	54	41.27	48.5	13.2	56.72	214	114	A	H
		11420	47.27	-26.73	74	52.44	39.96	10.65	55.78	-	-	P	V
		17130	48.42	-19.78	68.2	51.47	40.43	12.53	56.01	-	-	P	V
		18000	57.35	-16.65	74	52.37	48.5	13.2	56.72	100	148	P	V
		18000	46.26	-7.74	54	41.28	48.5	13.2	56.72	100	148	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

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		5456.08	58.21	-15.79	74	47.21	31.92	6.41	27.33	100	106	P	H
		5462.71	58.2	-10	68.2	47.17	31.95	6.41	27.33	100	106	P	H
		5458.81	46.95	-7.05	54	35.93	31.94	6.41	27.33	100	106	A	H
	*	5690	105.18	-	-	94.08	32.14	6.42	27.46	109	108	P	H
	*	5690	96.76	-	-	85.66	32.14	6.42	27.46	109	108	A	H
		5858.5	63.36	-4.84	68.2	51.97	32.53	6.44	27.58	100	106	P	H
		5438.14	52.3	-21.7	74	41.34	31.9	6.4	27.34	100	88	P	V
		5463.88	53.28	-14.92	68.2	42.24	31.96	6.41	27.33	100	88	P	V
		5459.98	42.45	-11.55	54	31.43	31.94	6.41	27.33	100	88	A	V
	*	5690	95.34	-	-	84.24	32.14	6.42	27.46	100	85	P	V
	*	5690	87.38	-	-	76.28	32.14	6.42	27.46	100	85	A	V
		5852.2	56.37	-11.83	68.2	45	32.51	6.43	27.57	100	88	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	46.88	-27.12	74	52.17	39.86	10.63	55.78	-	-	P	H
		17070	47.77	-20.43	68.2	50.75	40.43	12.49	55.9	-	-	P	H
		17989	55.42	-18.58	74	50.75	48.2	13.19	56.72	184	118	P	H
		17989	46.05	-7.95	54	41.38	48.2	13.19	56.72	184	118	A	H
		11380	47.68	-26.32	74	52.97	39.86	10.63	55.78	-	-	P	V
		17070	48.42	-19.78	68.2	51.4	40.43	12.49	55.9	-	-	P	V
		17978	56.36	-17.64	74	51.98	47.91	13.19	56.72	163	192	P	V
		17978	45.65	-8.35	54	41.27	47.91	13.19	56.72	163	192	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

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 SHF		39472	44.19	-29.81	74	57.82	43.88	-1.19	56.32	-	-	P	H
													H
													H
													H
		39758	44.46	-29.54	74	57.78	43.6	-0.93	55.99	-	-	P	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

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		30	22.1	-17.9	40	29.04	24.57	0.71	32.22	-	-	P	H
		119.24	28.04	-15.46	43.5	41.72	17.41	1.15	32.24	-	-	P	H
		263.77	24.1	-21.9	46	34.89	19.71	1.51	32.01	-	-	P	H
		551.86	29	-17	46	34.16	24.98	2.14	32.28	-	-	P	H
		704.15	32.28	-13.72	46	35.79	26.17	2.37	32.05	-	-	P	H
		958.29	33.62	-12.38	46	31.03	30.73	2.61	30.75	-	-	P	H
		30	28.5	-11.5	40	35.44	24.57	0.71	32.22	-	-	P	V
		34.85	29.24	-10.76	40	38.62	22.11	0.75	32.24	-	-	P	V
		159.98	27.79	-15.71	43.5	42.31	16.48	1.25	32.25	-	-	P	V
		504.33	28.89	-17.11	46	34.96	23.85	2.06	31.98	-	-	P	V
		711.91	30.95	-15.05	46	34.35	26.21	2.38	31.99	-	-	P	V
		945.68	32.23	-13.77	46	30.49	29.95	2.6	30.81	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

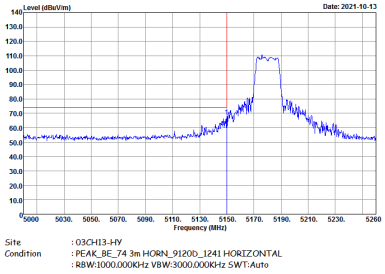
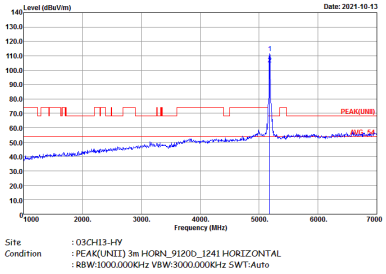
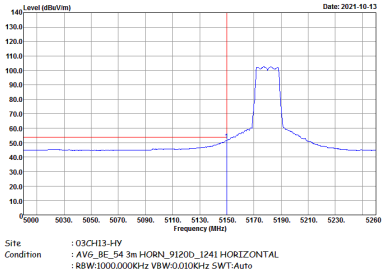
Appendix D. Radiated Spurious Emission Plots

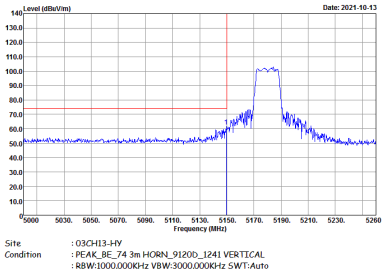
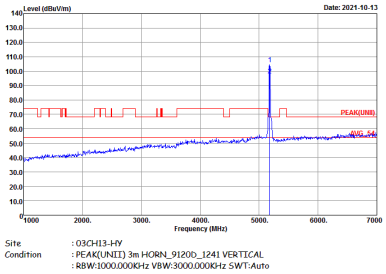
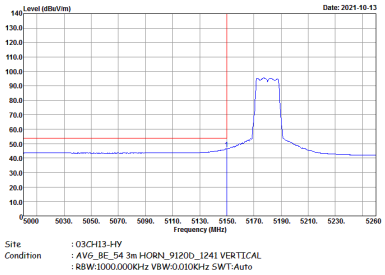
Test Engineer :	Yuan Lee, Jacky Hong, and Wilson Wu	**Temperature :**	20~25°C
		Relative Humidity :	40~60%

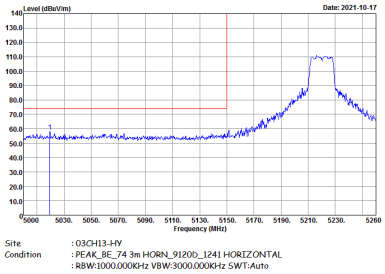
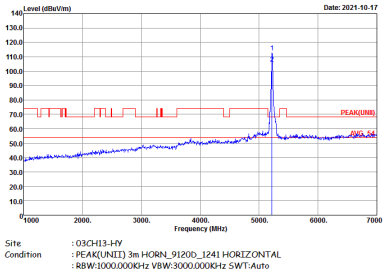
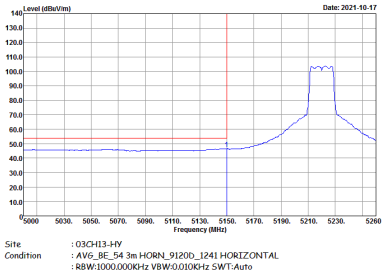
Note symbol

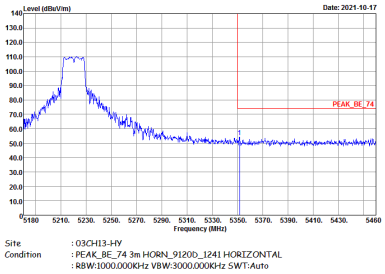
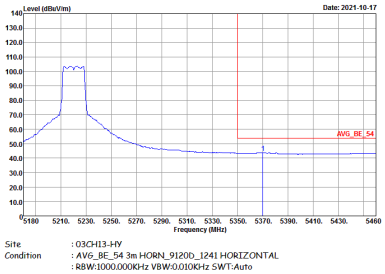
-L	**Low channel location**
-R	**High channel location**

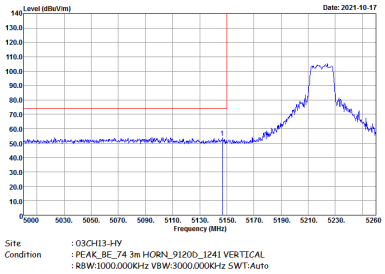
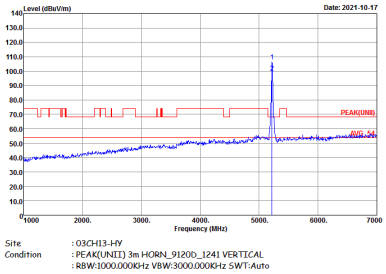
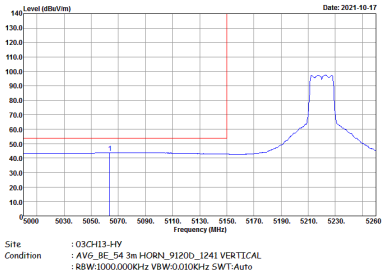
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

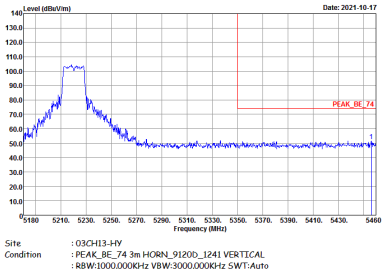
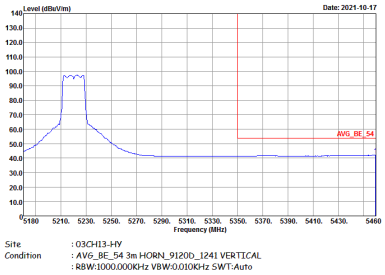
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

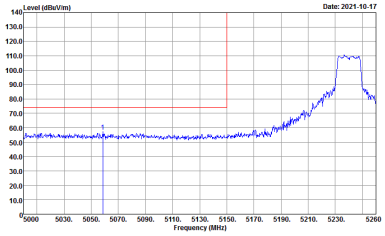
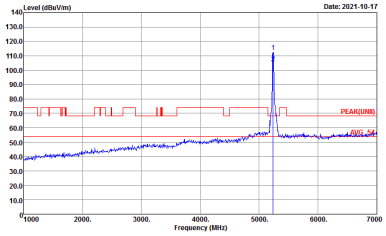
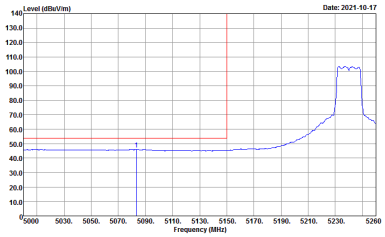
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

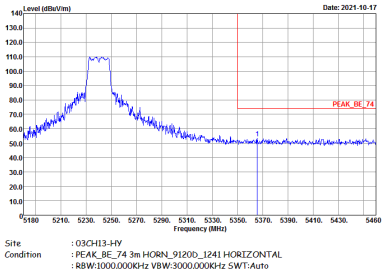
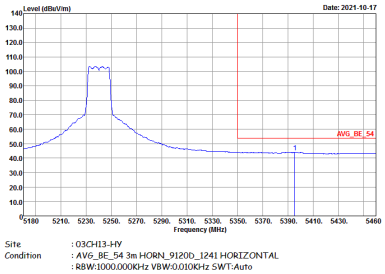
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

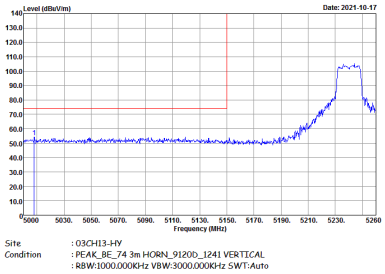
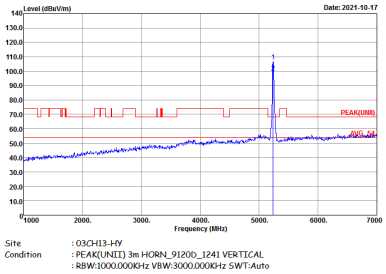
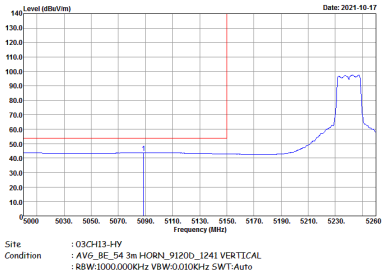
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

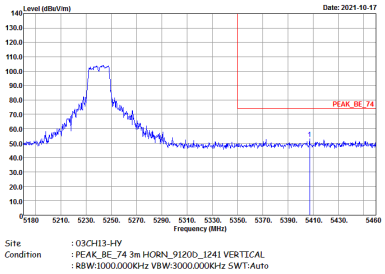
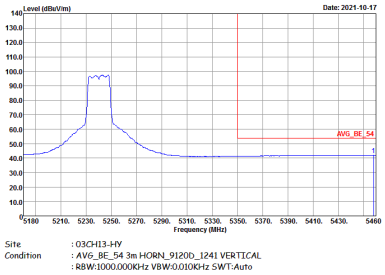
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

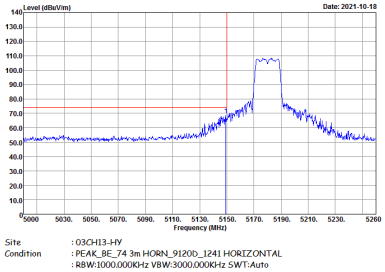
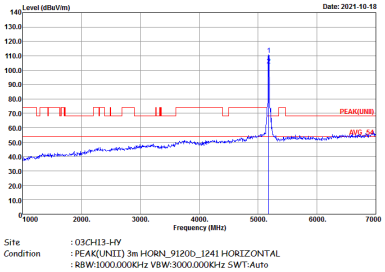
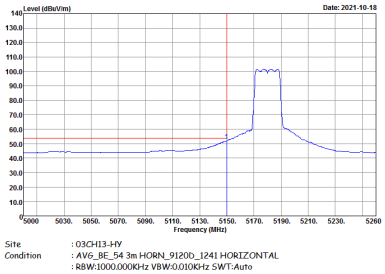
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

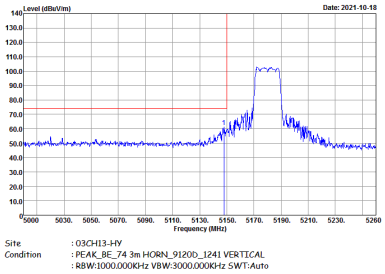
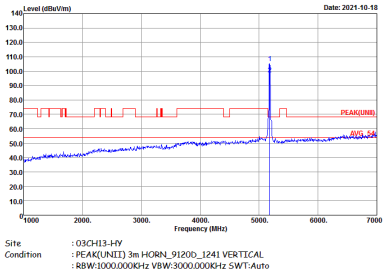
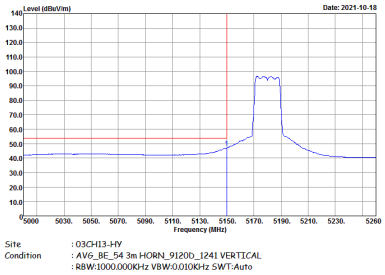
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

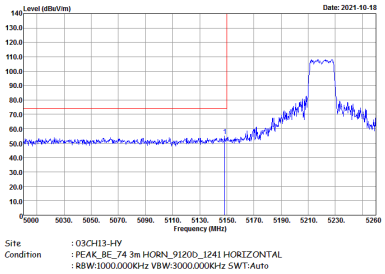
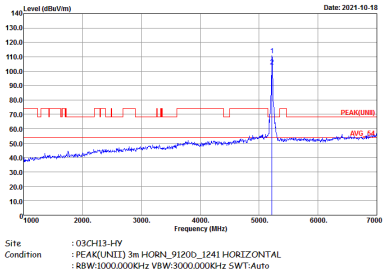
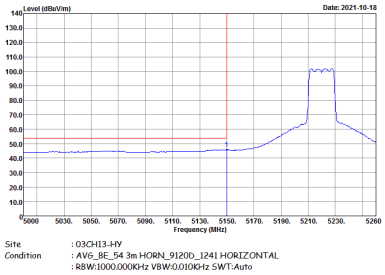
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

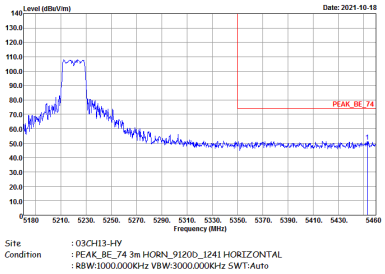
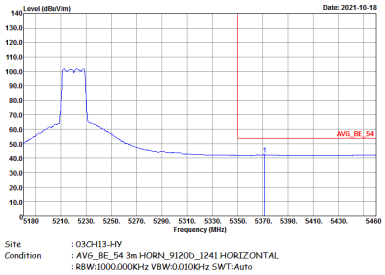
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

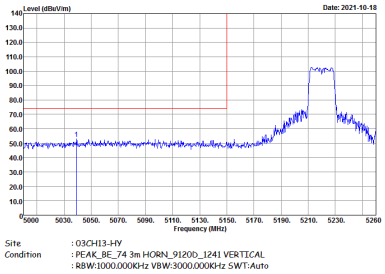
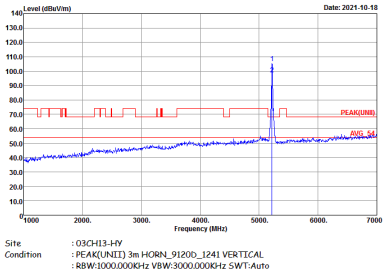
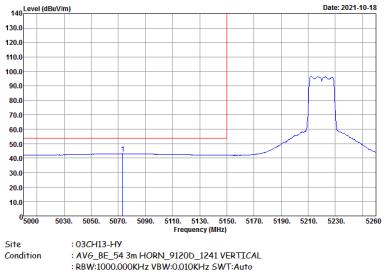
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

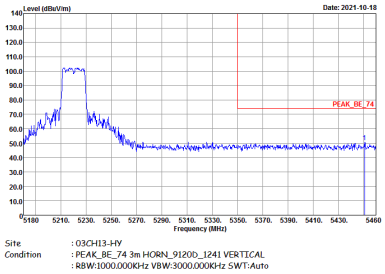
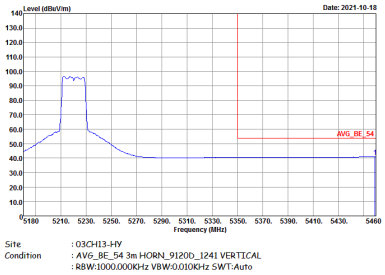
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

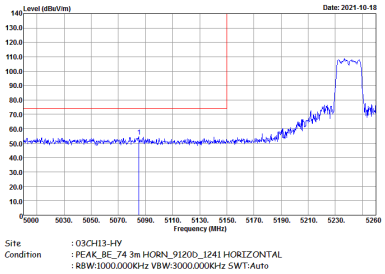
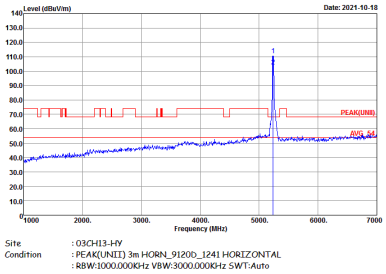
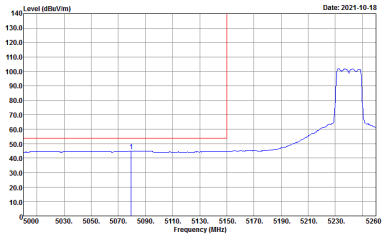
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

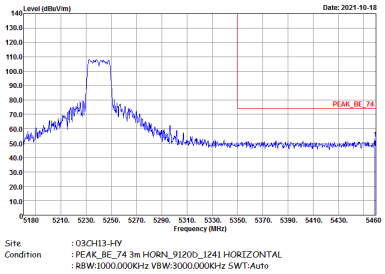
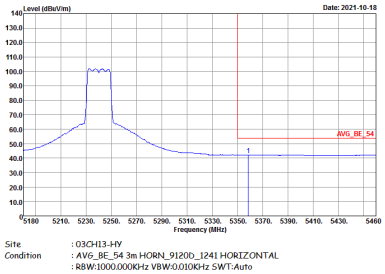
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

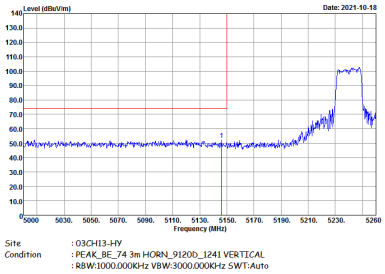
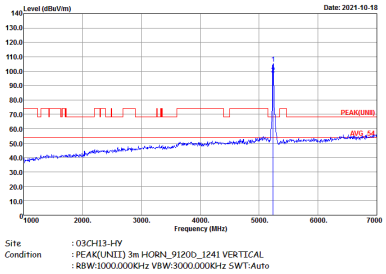
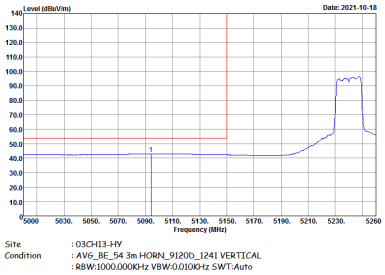
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

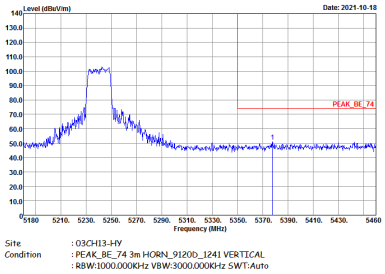
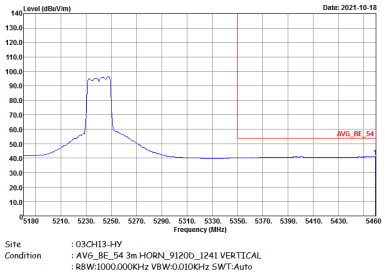
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

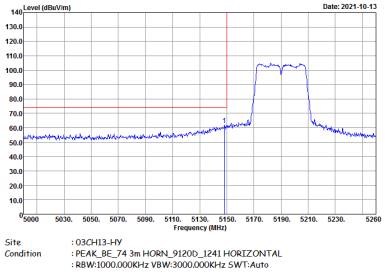
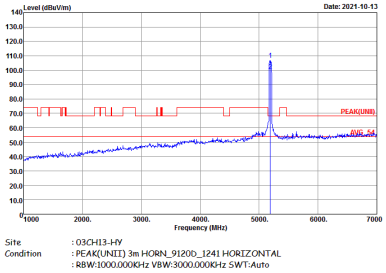
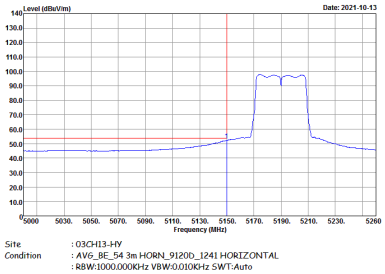
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

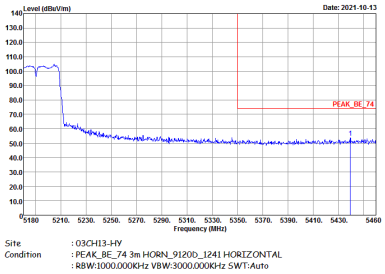
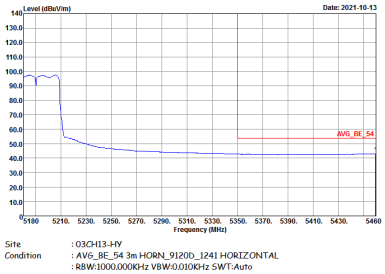
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

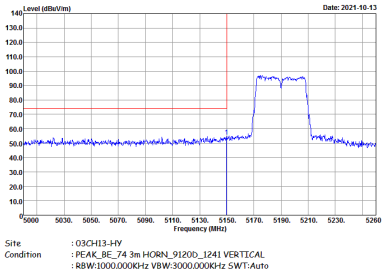
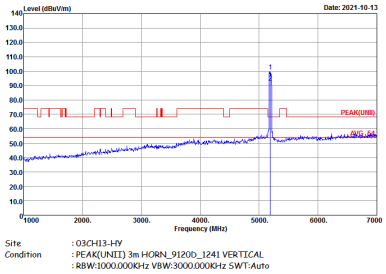
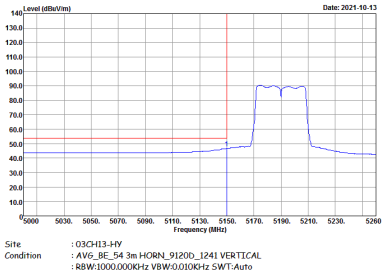
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

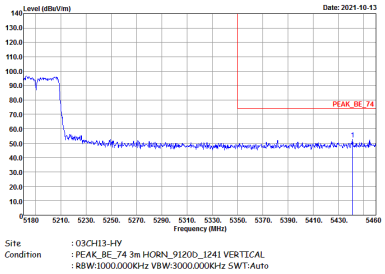
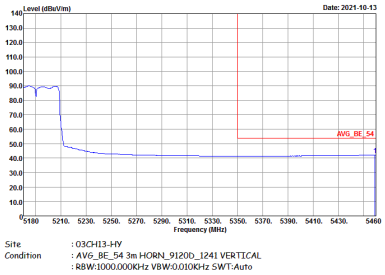
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

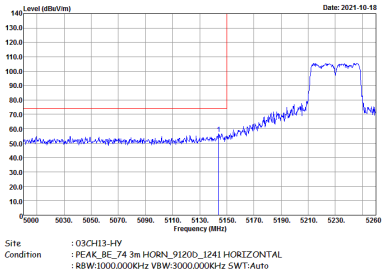
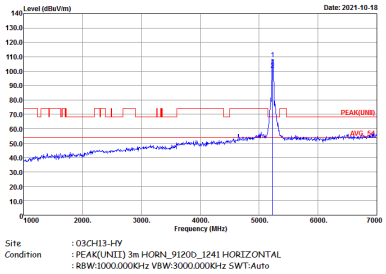
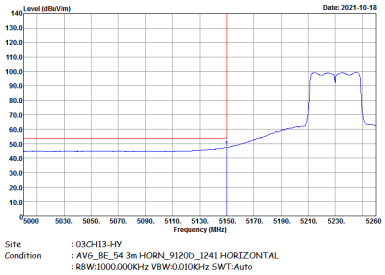
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

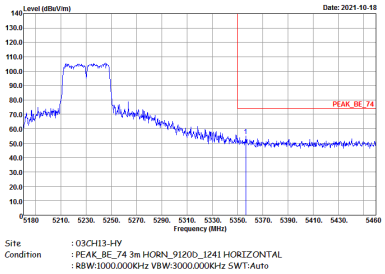
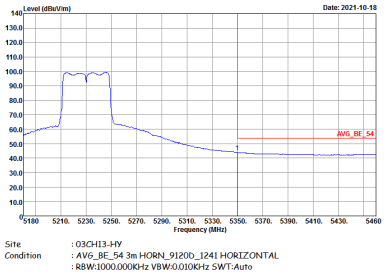
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

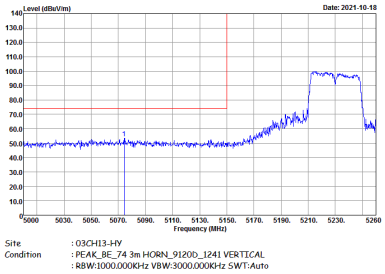
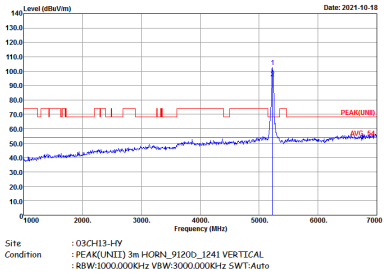
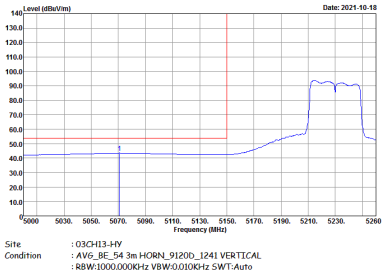
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

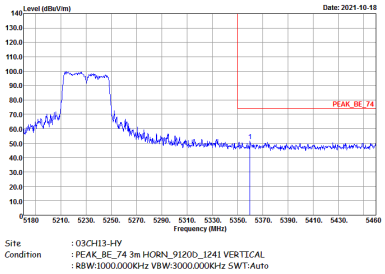
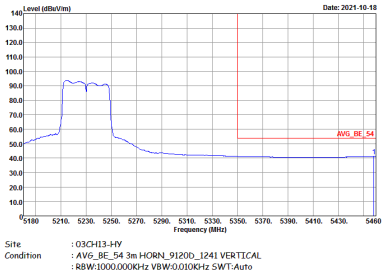
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

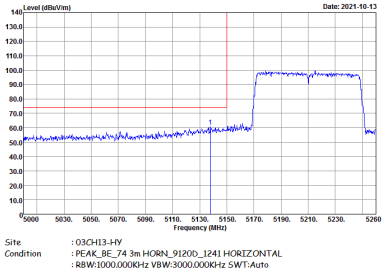
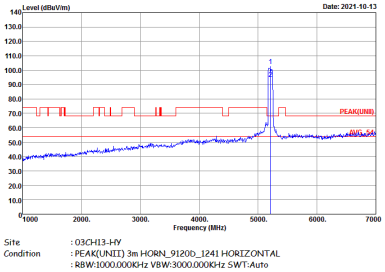
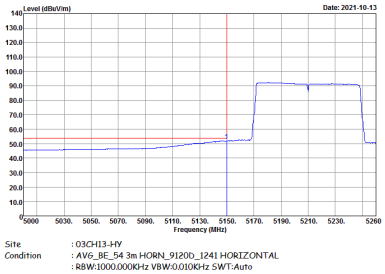
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

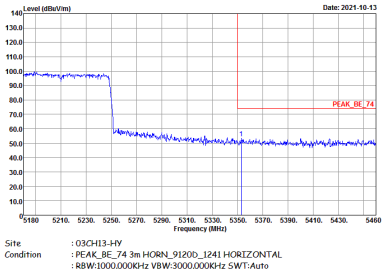
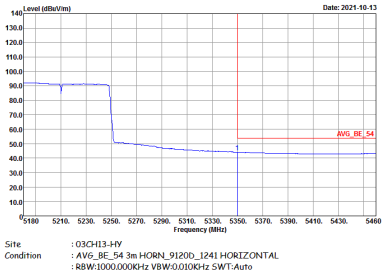
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

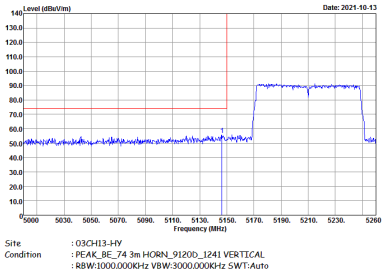
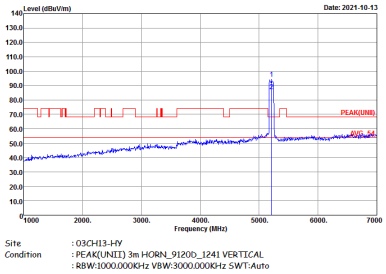
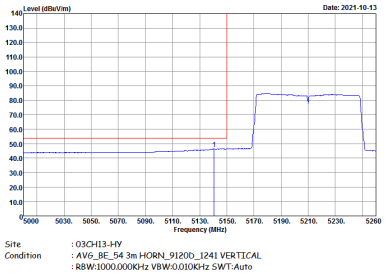
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

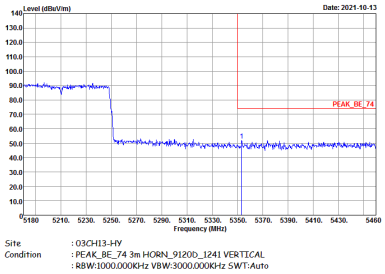
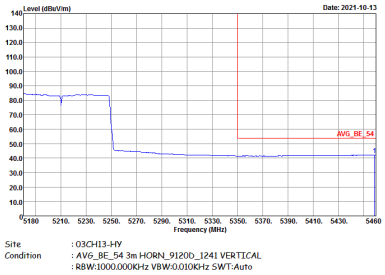
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

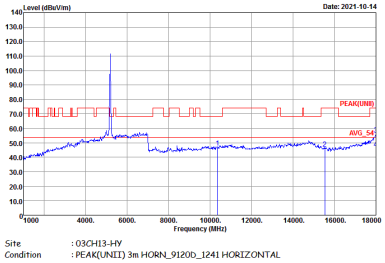
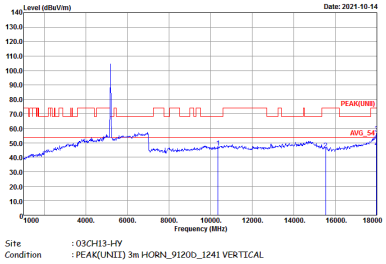
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

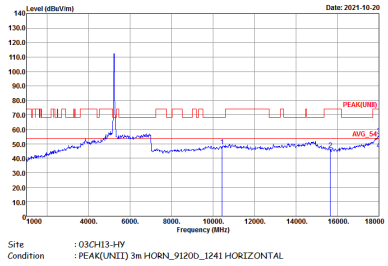
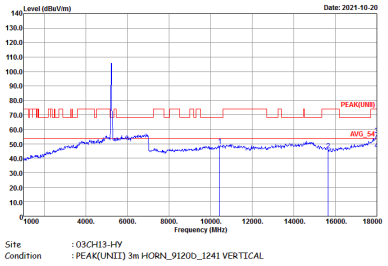
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

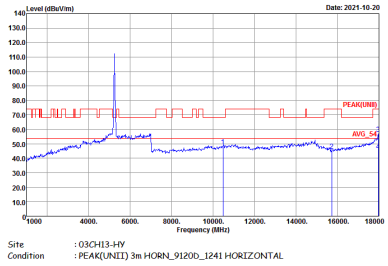
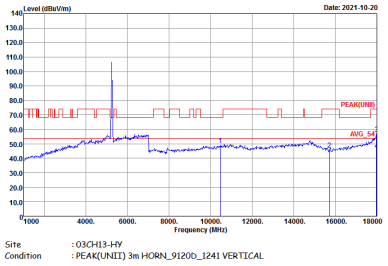
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

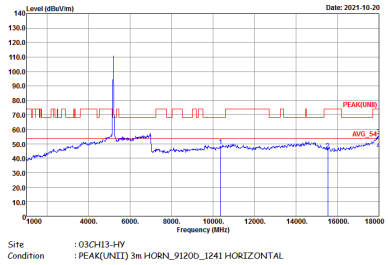
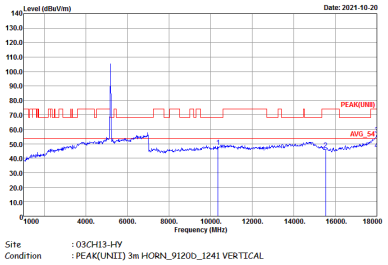
WIFI 802.11a (Harmonic @ 3m)

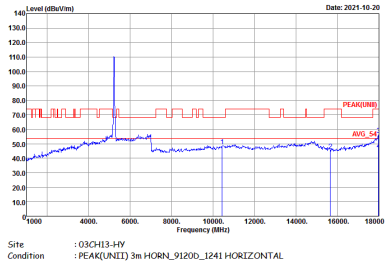
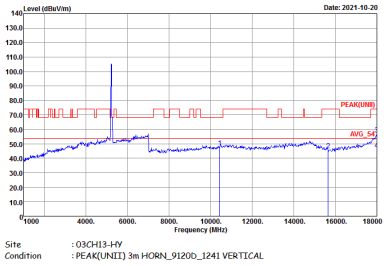
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

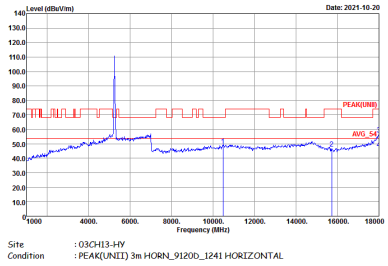
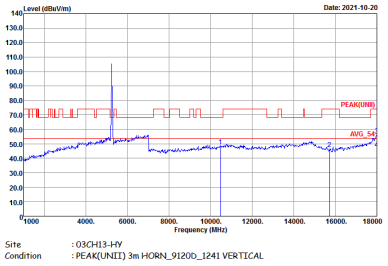
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

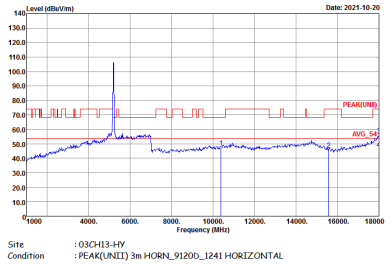
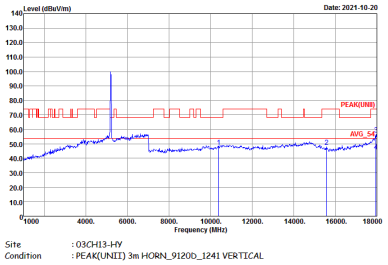
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

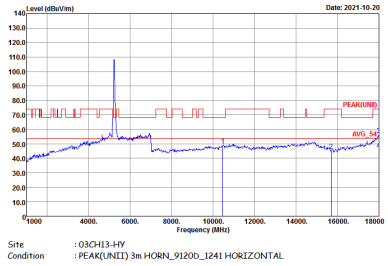
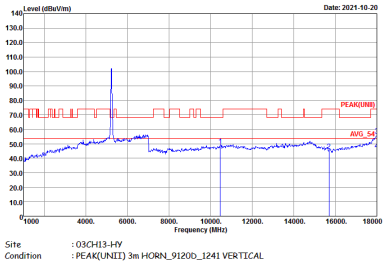
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

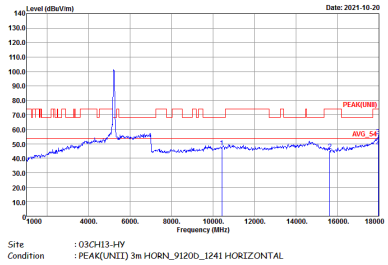
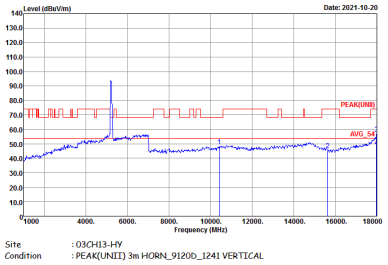
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

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

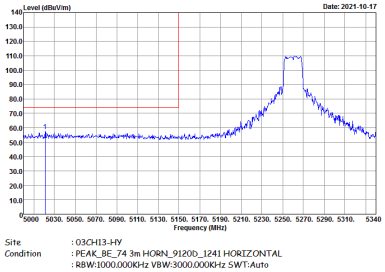
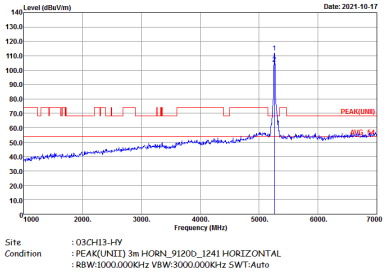
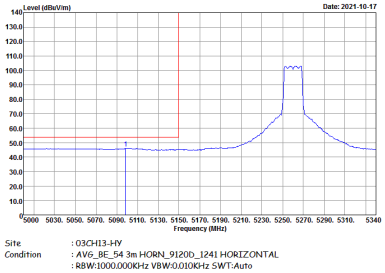
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

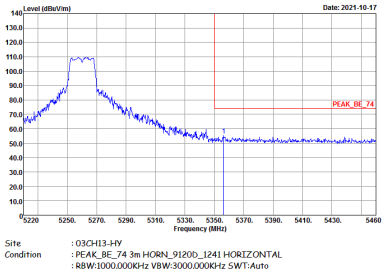
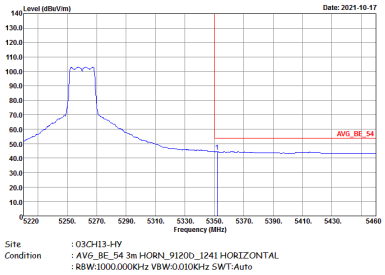
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

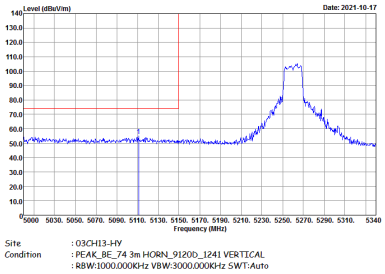
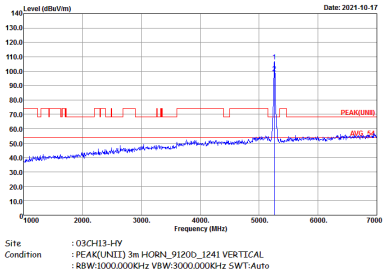
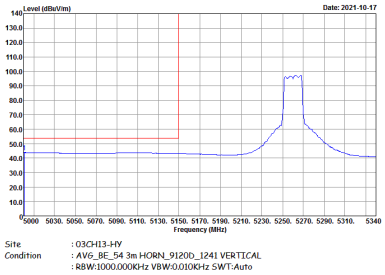
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

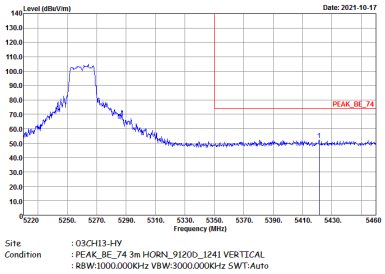
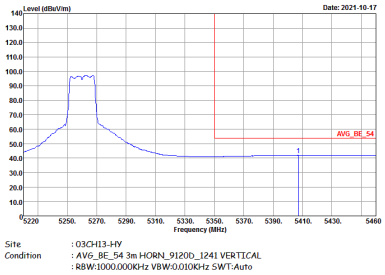
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

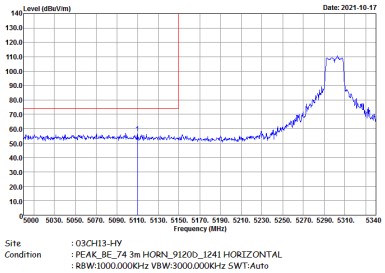
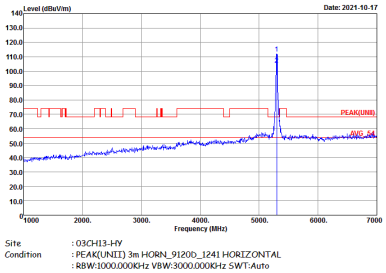
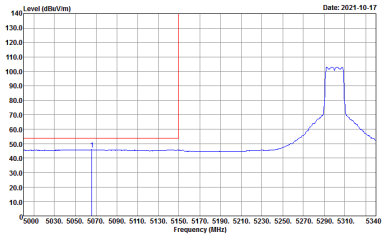
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

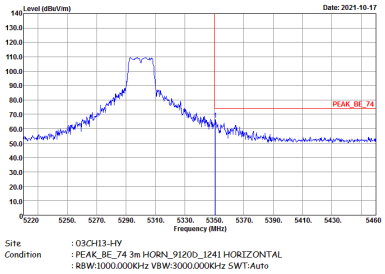
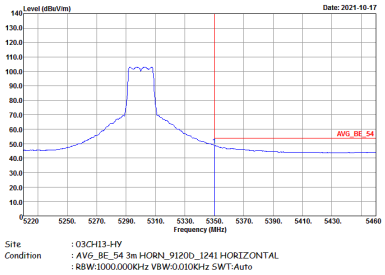
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

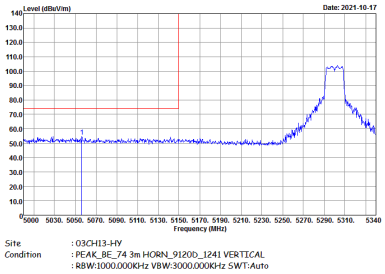
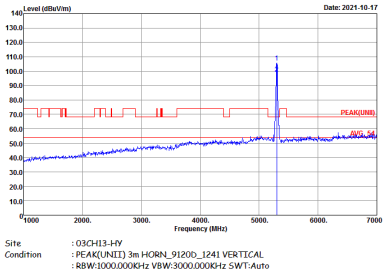
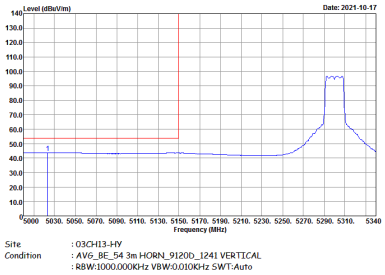
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

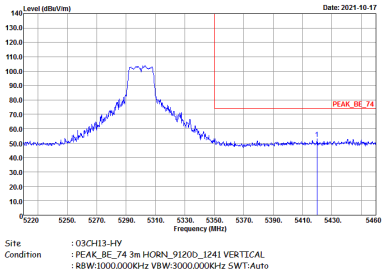
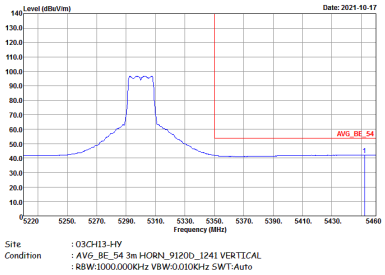
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

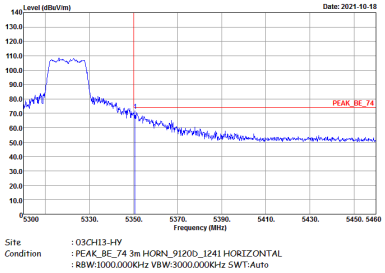
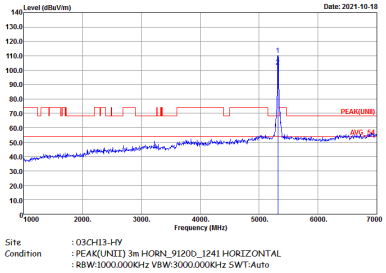
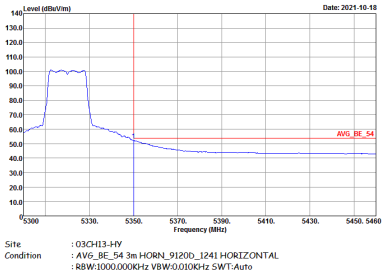
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

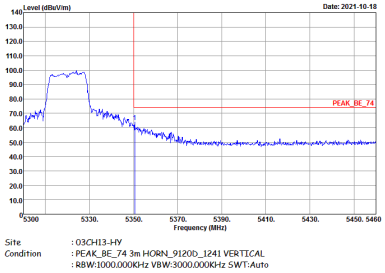
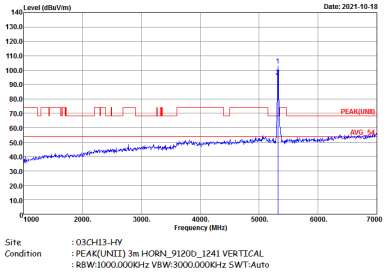
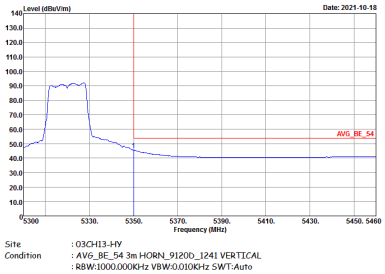
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

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

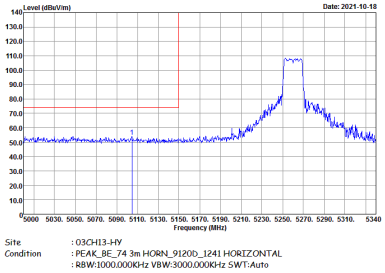
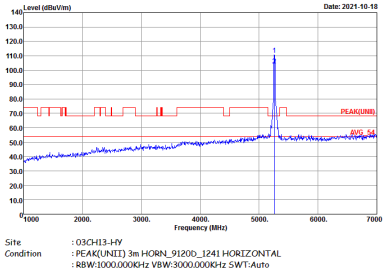
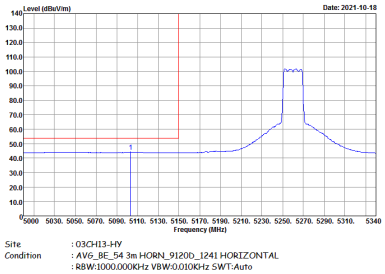
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

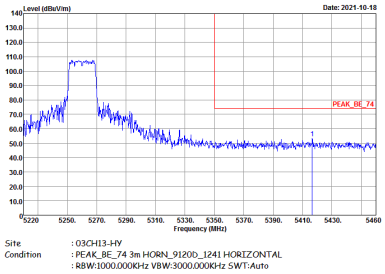
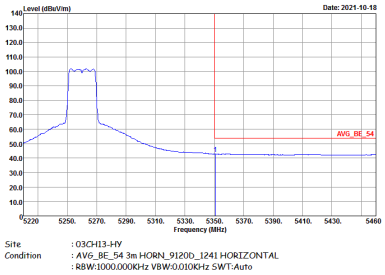
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

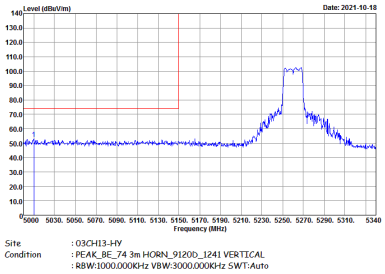
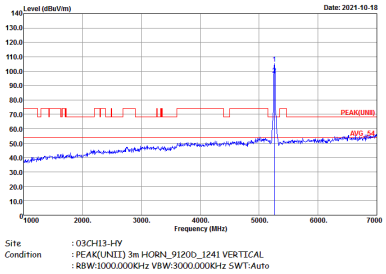
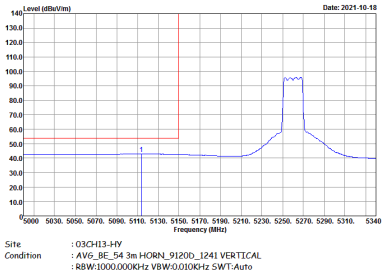
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

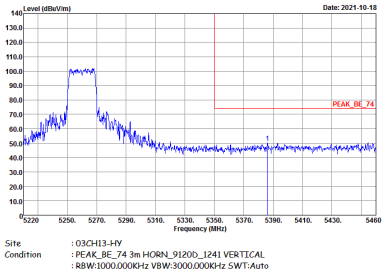
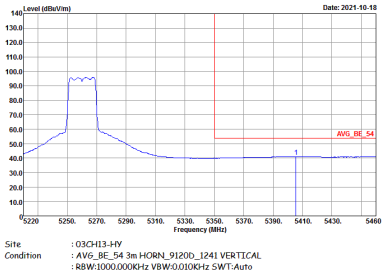
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

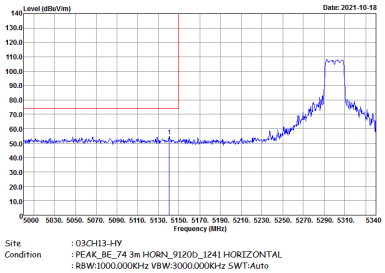
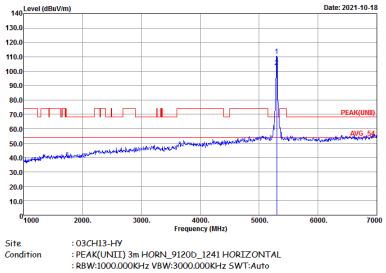
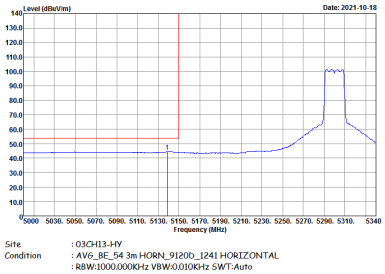
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

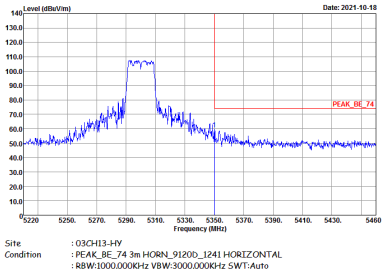
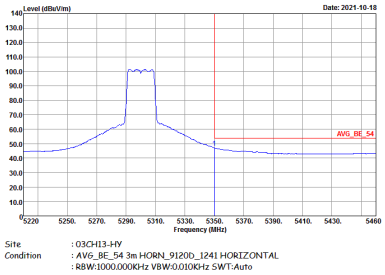
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

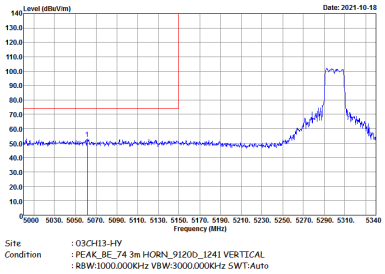
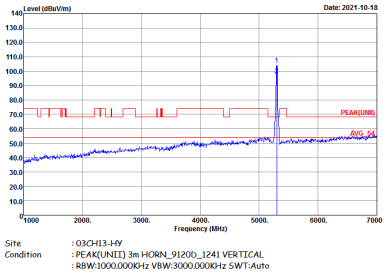
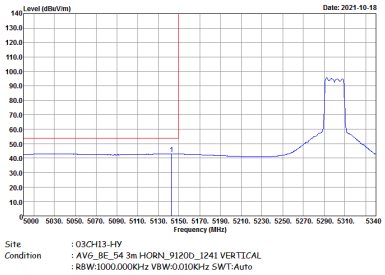
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

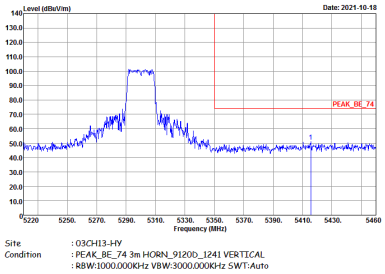
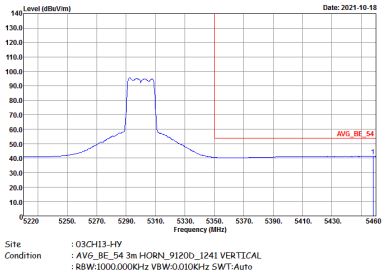
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

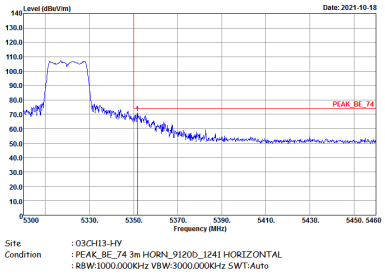
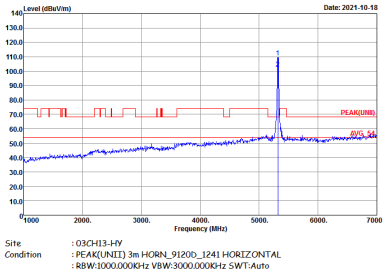
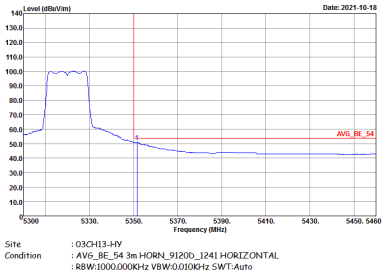
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

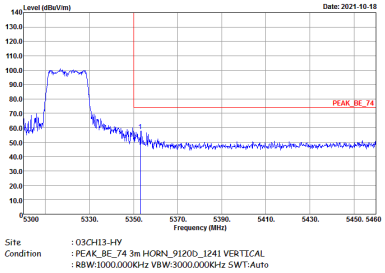
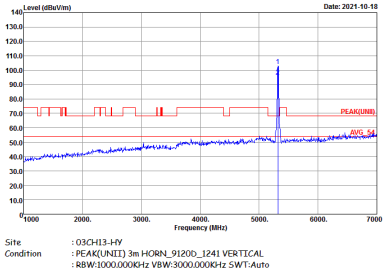
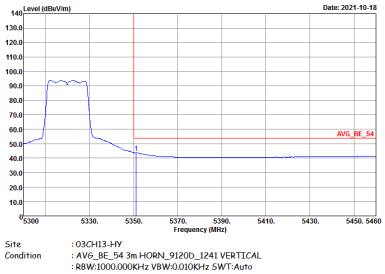
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

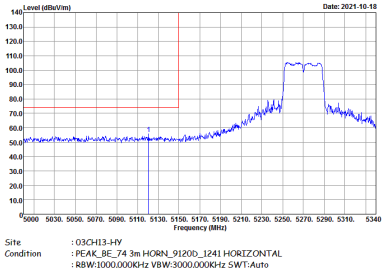
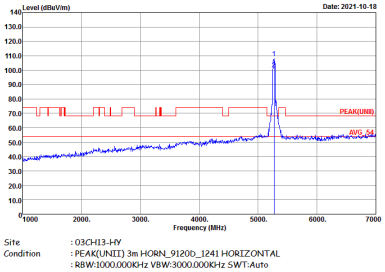
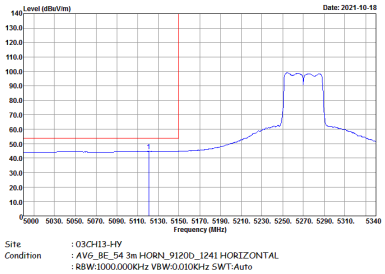
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

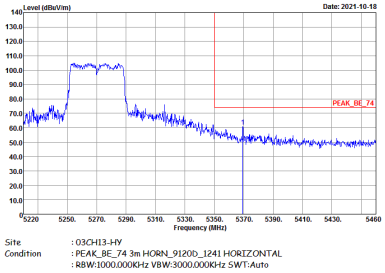
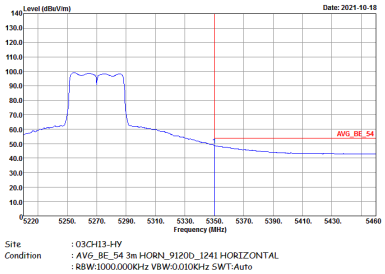
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

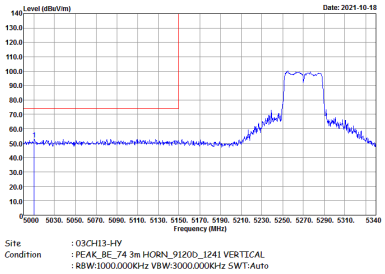
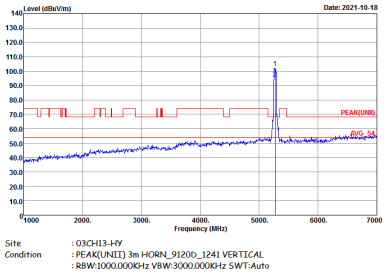
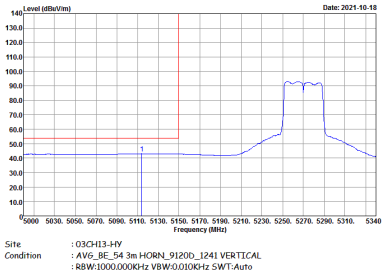
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

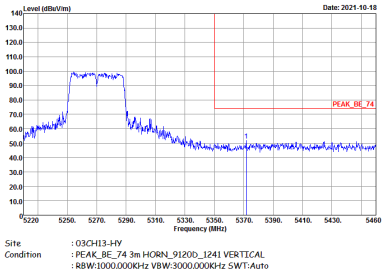
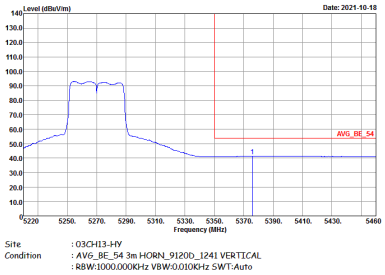
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

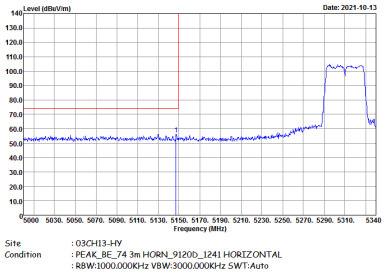
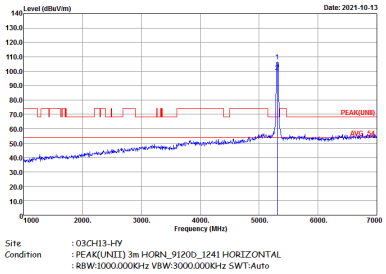
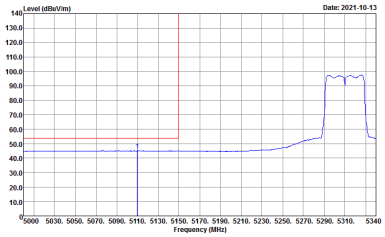
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

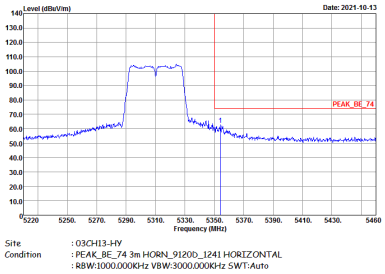
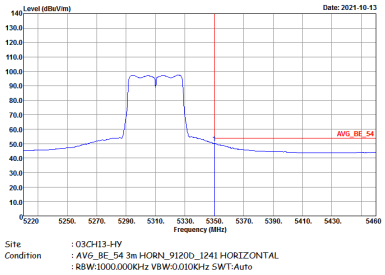
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

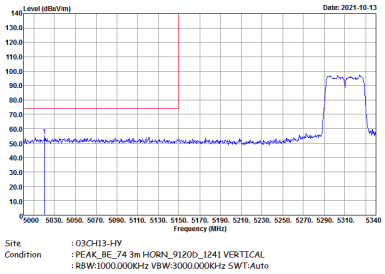
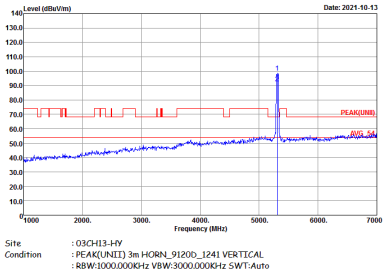
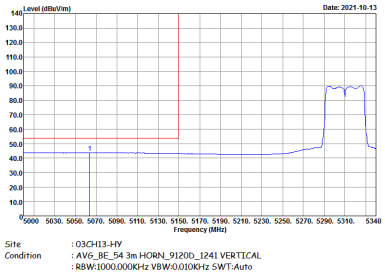
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

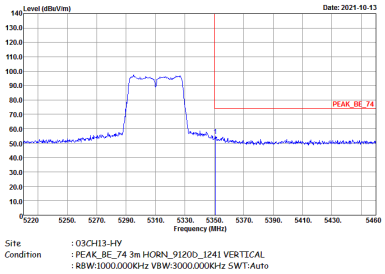
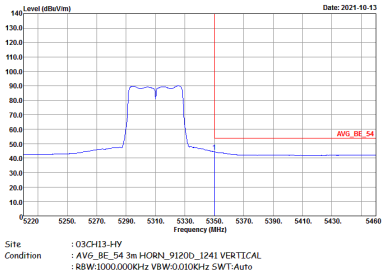
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

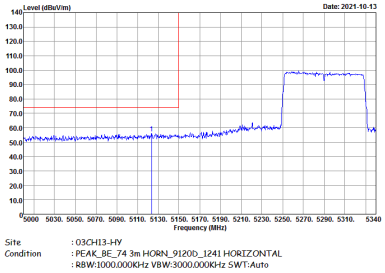
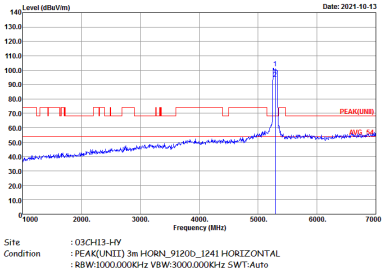
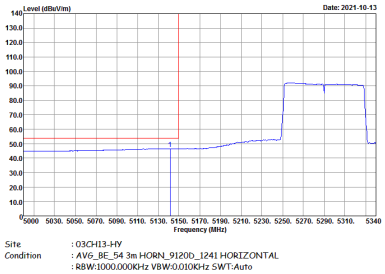
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

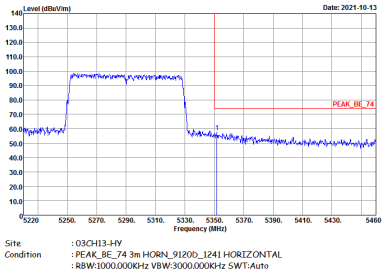
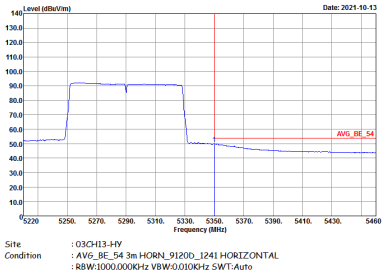
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

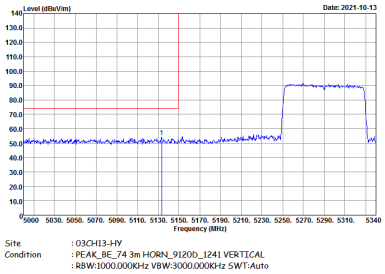
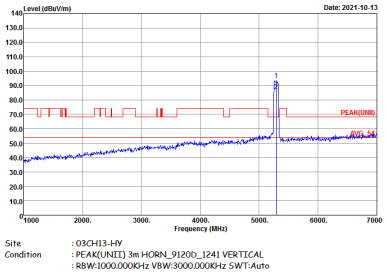
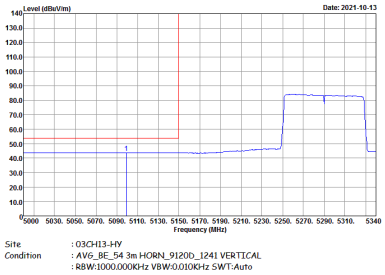
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

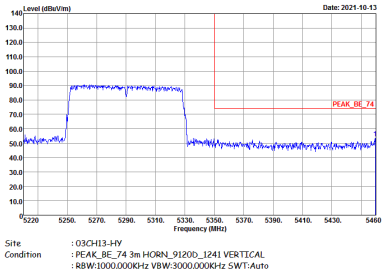
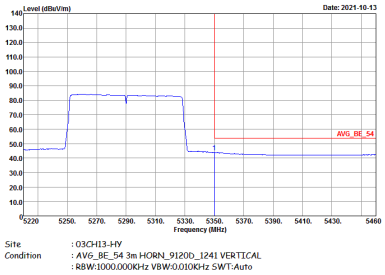
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

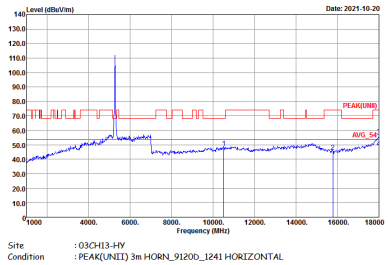
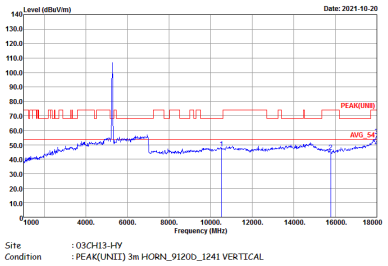
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

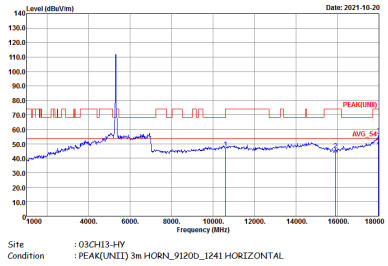
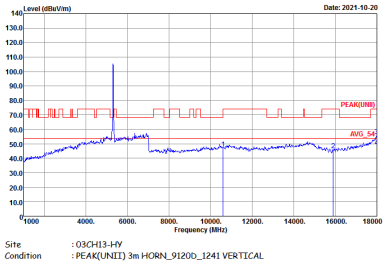
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

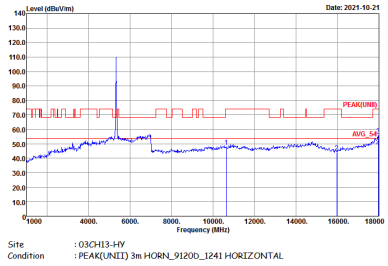
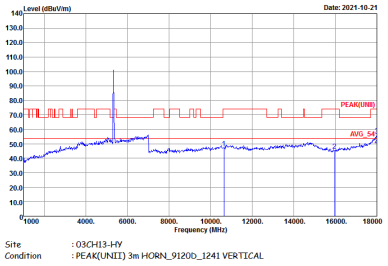
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

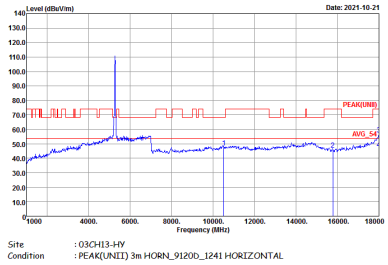
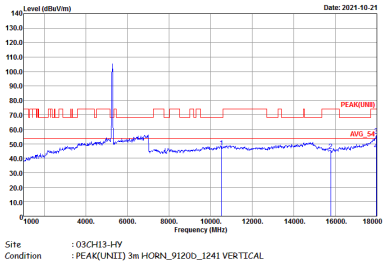
WIFI 802.11a (Harmonic @ 3m)

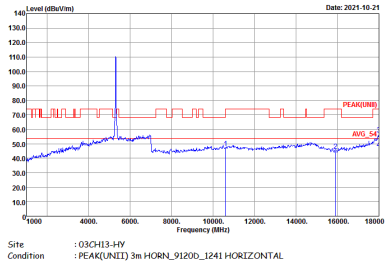
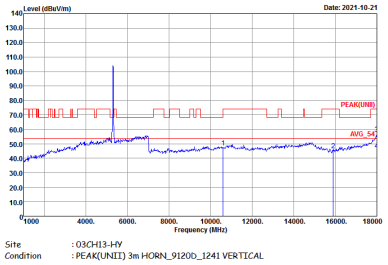
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

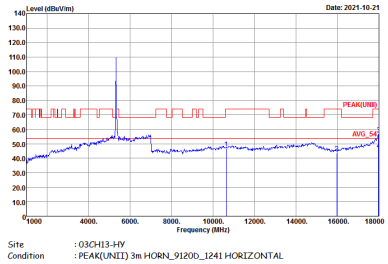
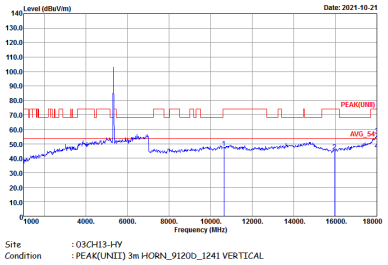
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

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

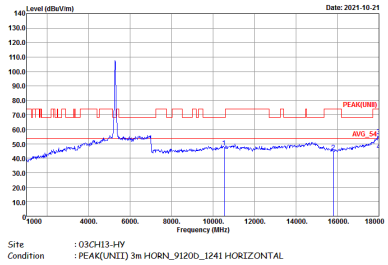
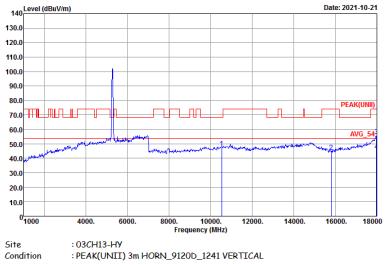
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

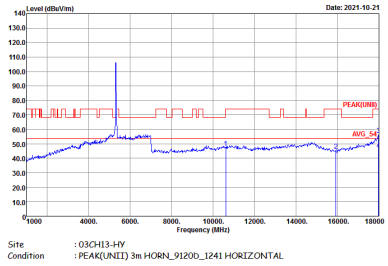
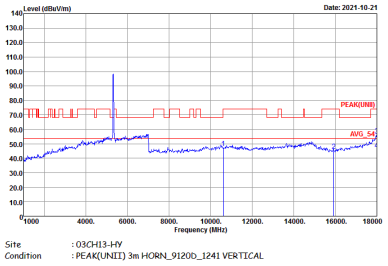
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

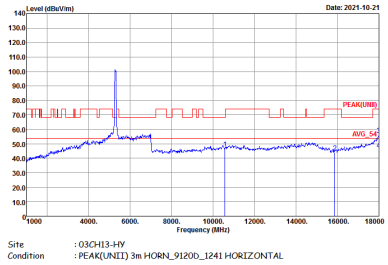
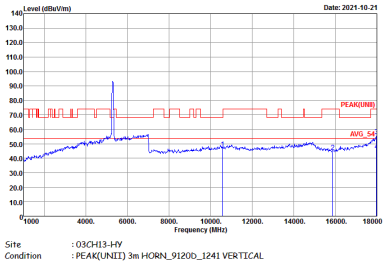
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

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

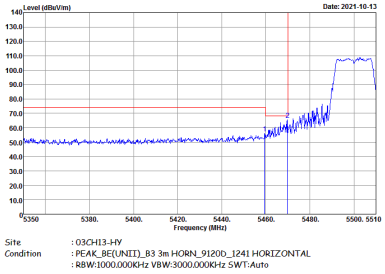
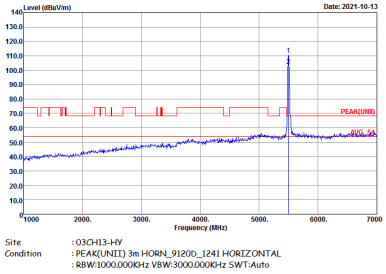
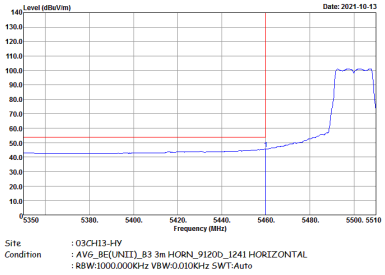
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270MHz	
1	Horizontal	Vertical
Peak Avg.		

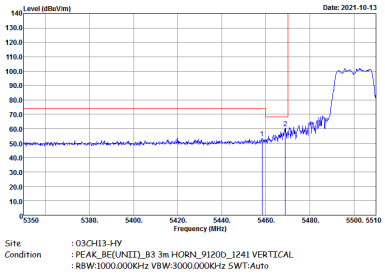
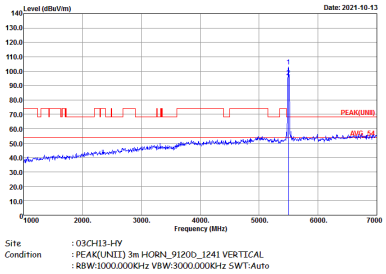
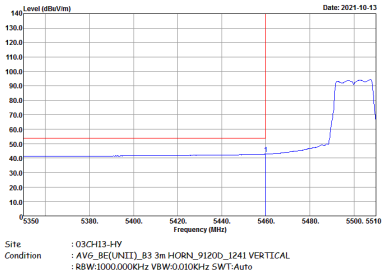
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
1	Horizontal	Vertical
Peak Avg.		

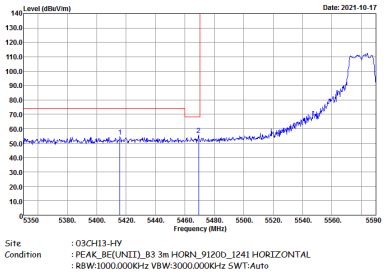
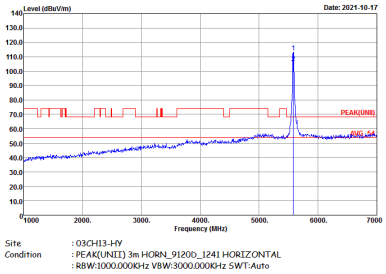
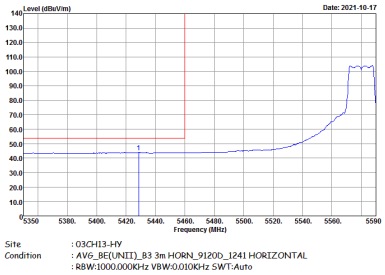
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

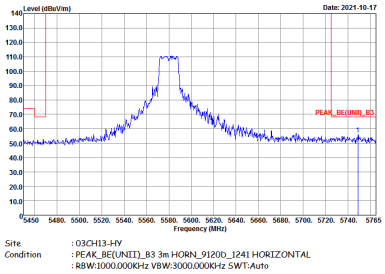
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

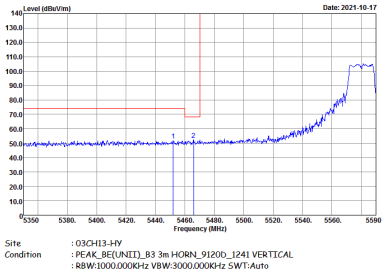
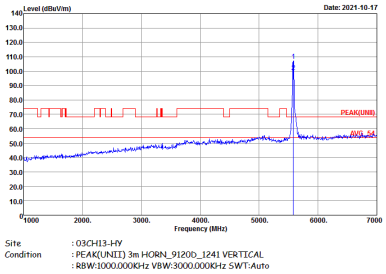
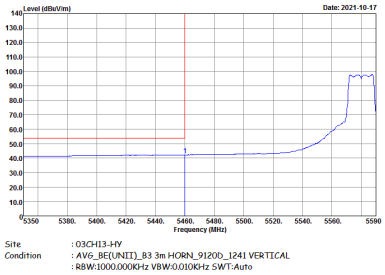
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

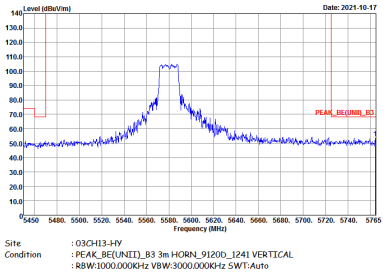
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

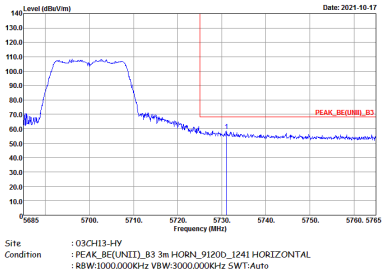
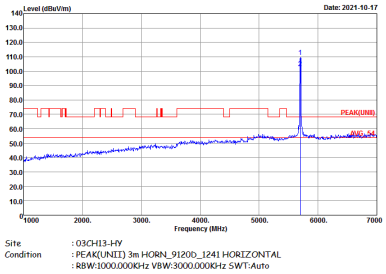
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

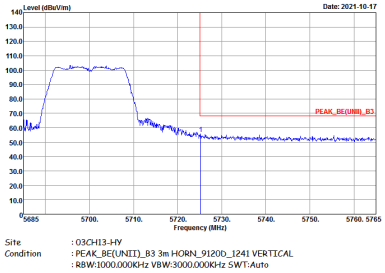
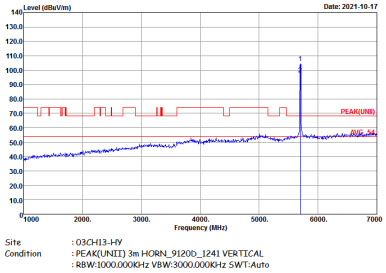
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

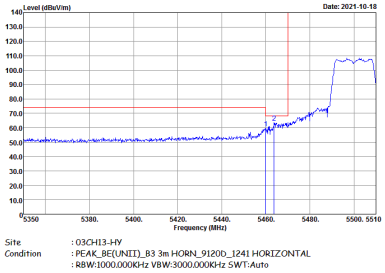
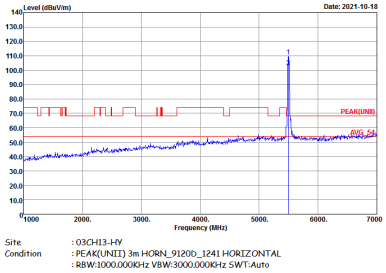
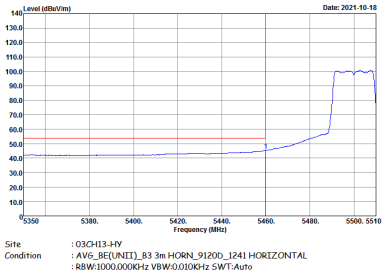
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

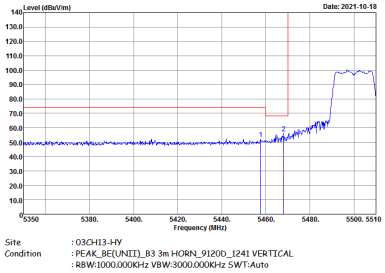
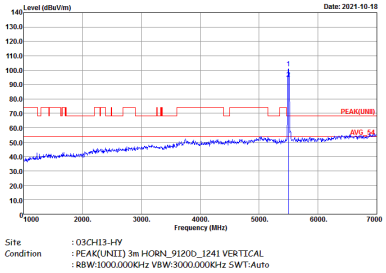
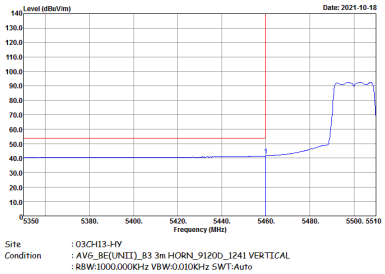
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

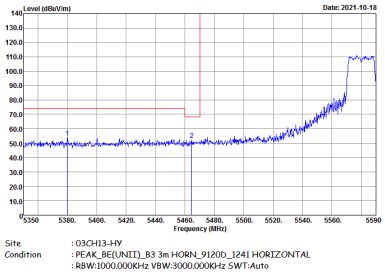
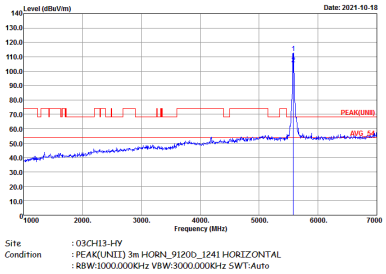
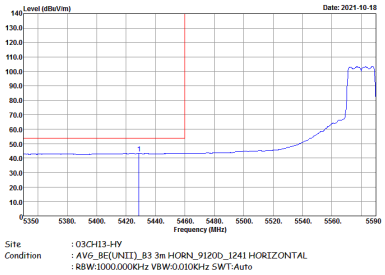
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

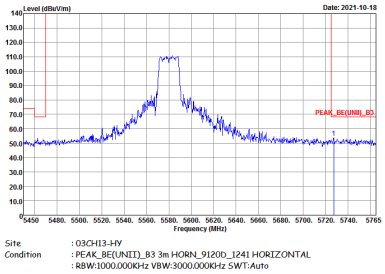
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

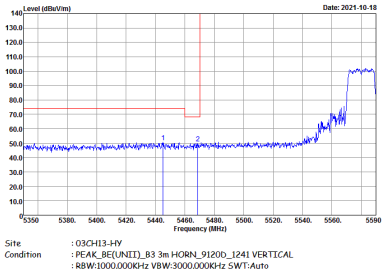
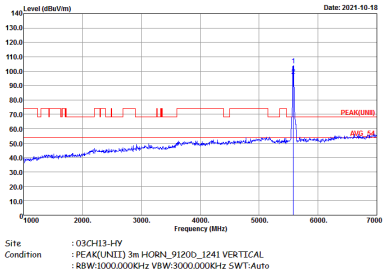
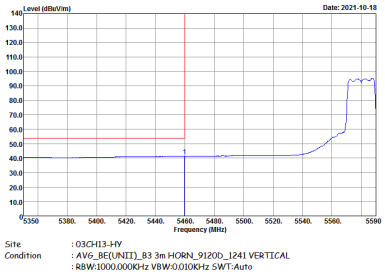
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

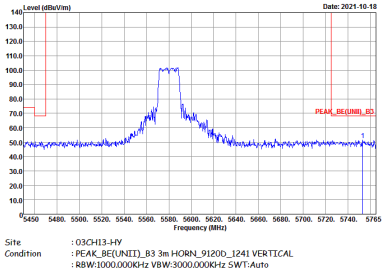
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

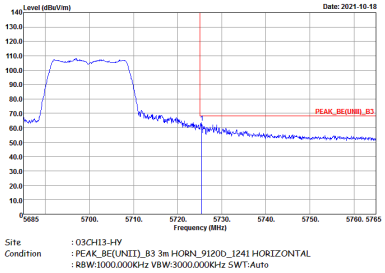
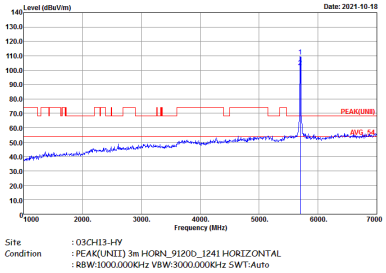
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

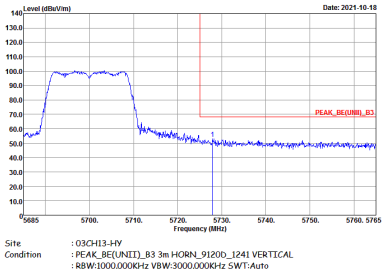
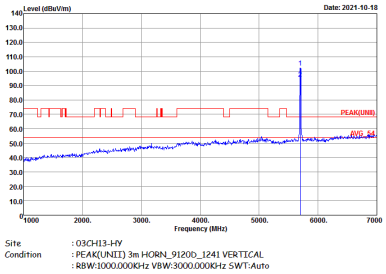
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

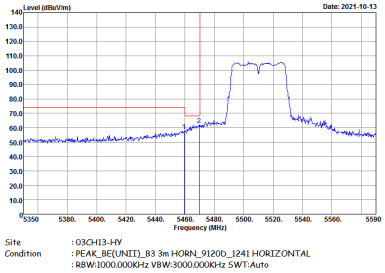
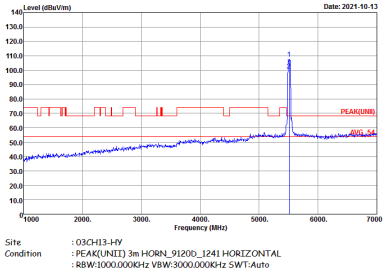
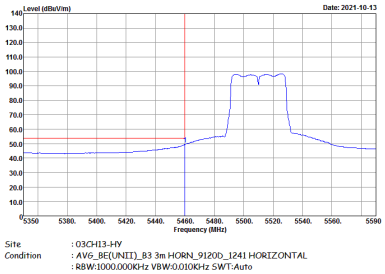
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

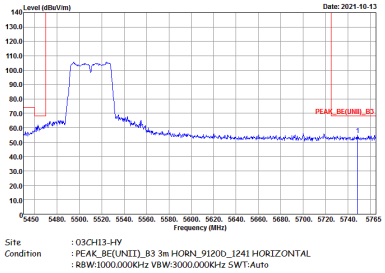
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

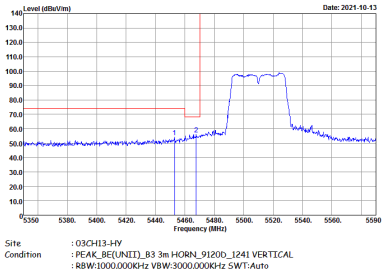
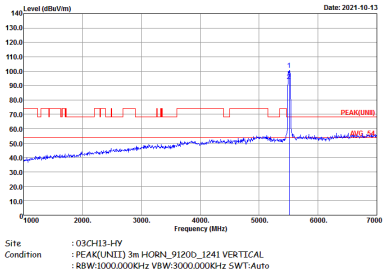
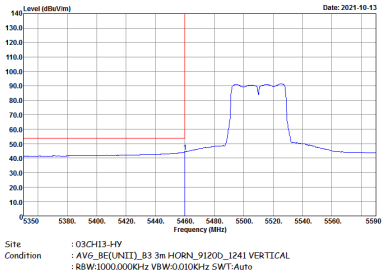
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

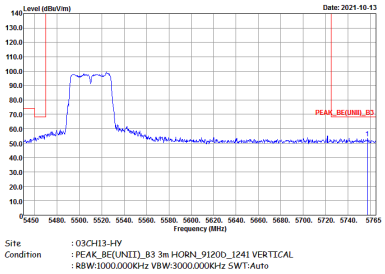
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

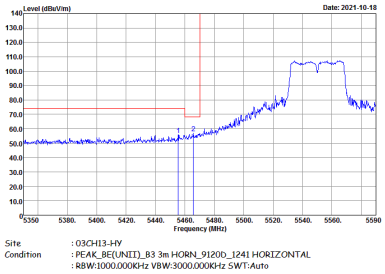
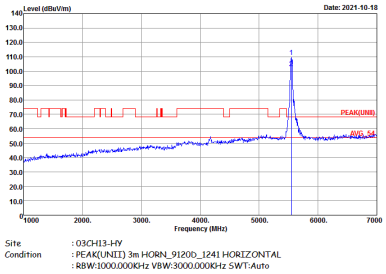
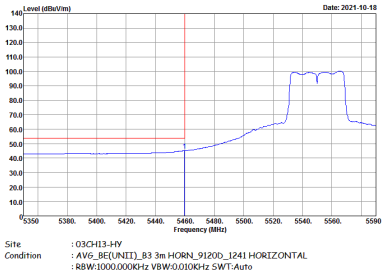
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

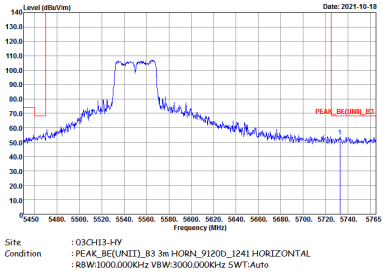
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

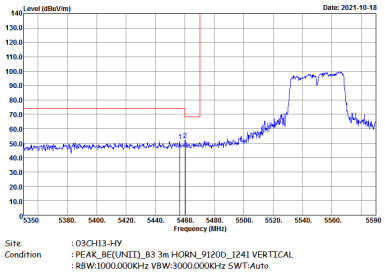
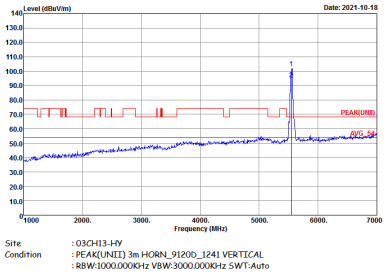
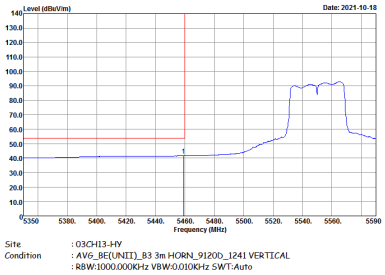
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

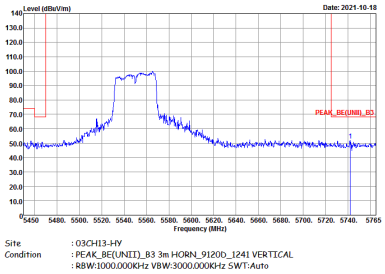
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

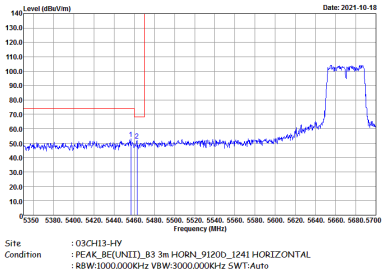
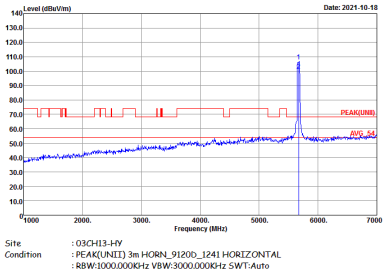
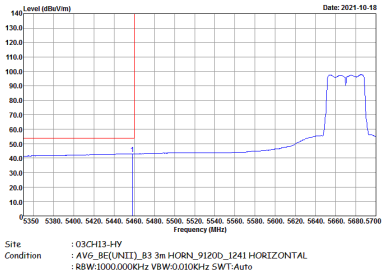
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

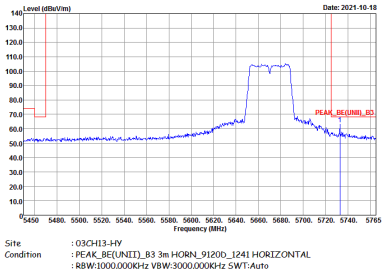
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

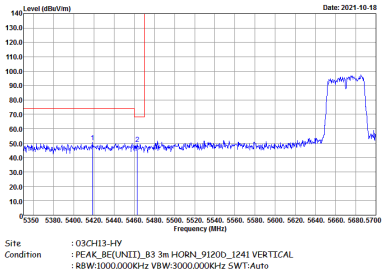
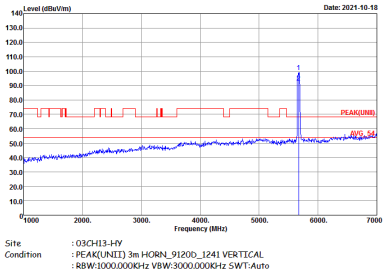
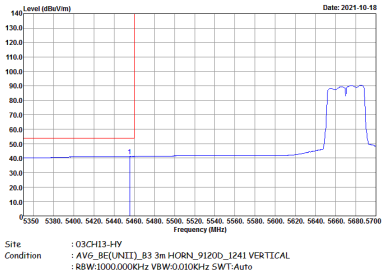
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

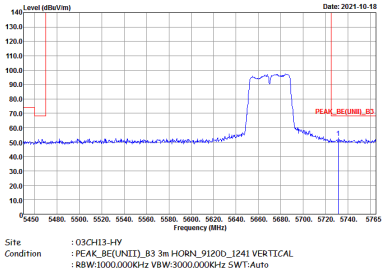
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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