FCC RADIO TEST REPORT

FCC ID	**:**	**2ARO5-7879**
Equipment	**:**	**Digital Media Receiver**
Model Name	**:**	**C7H6N3**
Applicant	**:**	**Teachey-1625 LLC 8 Wright St., 1st Floor Westport, CT 06880**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Apr. 03, 2019 and testing was started from Jul. 03, 2019 and completed on Aug. 19, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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

Louis Wu

Reviewed by: Louis Wu

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR940344-01D	01	Initial issue of report	Aug. 21, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)
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
3.5	15.207	AC Conducted Emission	Pass
3.6	15.407(c)	Automatically Discontinue Transmission	Pass
3.7	15.203 15.407(a)	Antenna Requirement	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang
Report Producer: Jessie Ho

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	C7H6N3
FCC ID	2ARO5-7879
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1 + 2>** 802.11a : 18.84 dBm / 0.0766 W 802.11n HT20 : 18.90 dBm / 0.0776 W 802.11n HT40 : 19.10 dBm / 0.0813 W 802.11ac VHT20: 18.80 dBm / 0.0759 W 802.11ac VHT40: 19.00 dBm / 0.0794 W 802.11ac VHT80: 18.91 dBm / 0.0778 W
	<5260 MHz ~ 5320 MHz> **MIMO <Ant. 1 + 2>** 802.11a : 18.97 dBm / 0.0789 W 802.11n HT20 : 18.57 dBm / 0.0719 W 802.11n HT40 : 19.21 dBm / 0.0834 W 802.11ac VHT20: 18.47 dBm / 0.0703 W 802.11ac VHT40: 19.11 dBm / 0.0815 W 802.11ac VHT80: 17.42 dBm / 0.0552 W **<5500 MHz ~ 5720 MHz >** **MIMO <Ant. 1 + 2>** 802.11a : 17.41 dBm / 0.0551 W 802.11n HT20 : 17.41 dBm / 0.0551 W 802.11n HT40 : 19.16 dBm / 0.0824 W 802.11ac VHT20: 17.31 dBm / 0.0538 W 802.11ac VHT40: 19.01 dBm / 0.0796 W 802.11ac VHT80: 19.01 dBm / 0.0796 W

Standards-related Product Specification	
Maximum Output Power <TXBF Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 19.03 dBm / 0.0800 W 802.11ac VHT40: 20.53 dBm / 0.1130 W 802.11ac VHT80: 16.64 dBm / 0.0461 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 18.72 dBm / 0.0745 W 802.11ac VHT40: 18.16 dBm / 0.0655 W 802.11ac VHT80: 17.41 dBm / 0.0551 W **<5500 MHz ~ 5720 MHz >** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 17.67 dBm / 0.0585 W 802.11ac VHT40: 18.11 dBm / 0.0647 W 802.11ac VHT80: 17.61 dBm / 0.0577 W
99% Occupied Bandwidth <CDD Modes>	**MIMO <Ant. 1>** 802.11a : 17.03 MHz 802.11n HT20 : 17.98 MHz 802.11n HT40 : 37.26 MHz 802.11ac VHT80 : 77.08 MHz **MIMO <Ant. 2>** 802.11a : 16.73 MHz 802.11n HT20 : 17.68 MHz 802.11n HT40 : 36.66 MHz 802.11ac VHT80 : 76.96 MHz
99% Occupied Bandwidth <TXBF Modes>	**MIMO <Ant. 1>** 802.11ac VHT20 : 17.98 MHz 802.11ac VHT40 : 36.66 MHz 802.11ac VHT80 : 77.44 MHz **MIMO <Ant. 2>** 802.11ac VHT20 : 17.83 MHz 802.11ac VHT40 : 36.66 MHz 802.11ac VHT80 : 76.96 MHz
Antenna Gain / Gain	**<5180 MHz ~ 5240 MHz>** **Ant. 1:** Fixed Internal Antenna with gain 4.85 dBi **Ant. 2:** Fixed Internal Antenna with gain 5.56 dBi **<5260 MHz ~ 5320 MHz>** **Ant. 1:** Fixed Internal Antenna with gain 5.21 dBi **Ant. 2:** Fixed Internal Antenna with gain 5.27 dBi **<5500 MHz ~ 5720 MHz >** **Ant. 1:** Fixed Internal Antenna with gain 5.79 dBi **Ant. 2:** Fixed Internal Antenna with gain 5.93 dBi

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11ac TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

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

1.3 Modification of EUT

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

1.4 Testing Location

<table>
<tr><td>Test Site</td><td colspan="3">SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory</td></tr>
<tr><td>Test Site Location</td><td colspan="3">No.52, Huaya 1st Rd., Guishan Dist.,
Taoyuan City, Taiwan (R.O.C.)
TEL: +886-3-327-3456
FAX: +886-3-328-4978</td></tr>
<tr><td rowspan="2">Test Site No.</td><td colspan="3">Sporton Site No.</td></tr>
<tr><td>TH05-HY</td><td>CO05-HY</td><td>DFS02-HY</td></tr>
</table>

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

<table>
<tr><td>Test Site</td><td>SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory</td></tr>
<tr><td>Test Site Location</td><td>No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,
Taoyuan City, Taiwan (R.O.C.)
TEL: +886-3-327-3456
FAX: +886-3-328-4978</td></tr>
<tr><td rowspan="2">Test Site No.</td><td>Sporton Site No.</td></tr>
<tr><td>03CH13-HY</td></tr>
</table>

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in two setup, without accessories and with accessories. The worst cases (with accessories) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

MIMO Mode

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

TXBF Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + MPEG4 + AC Adapter

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

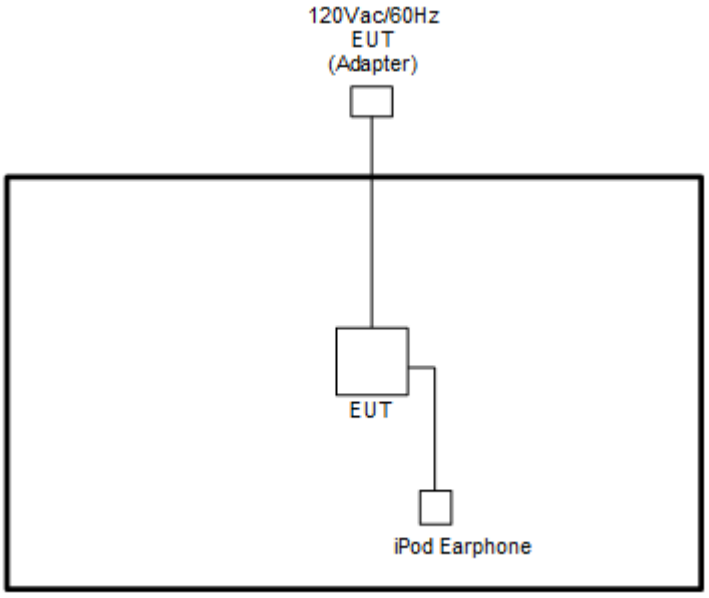
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

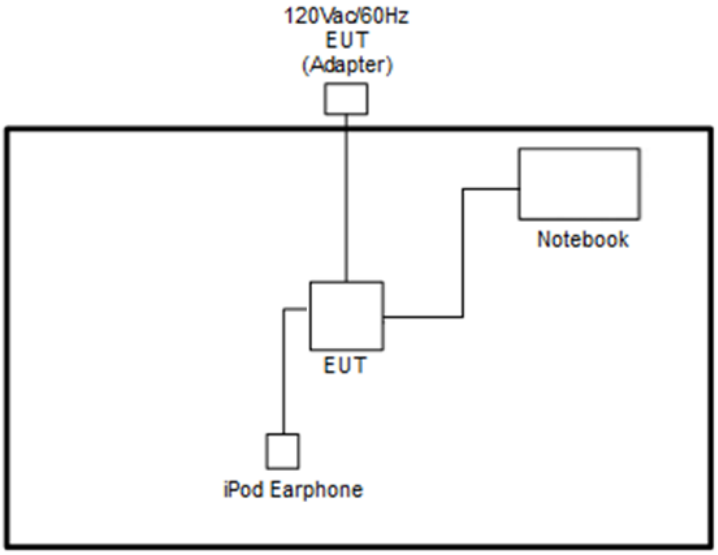
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

2.3 Connection Diagram of Test System

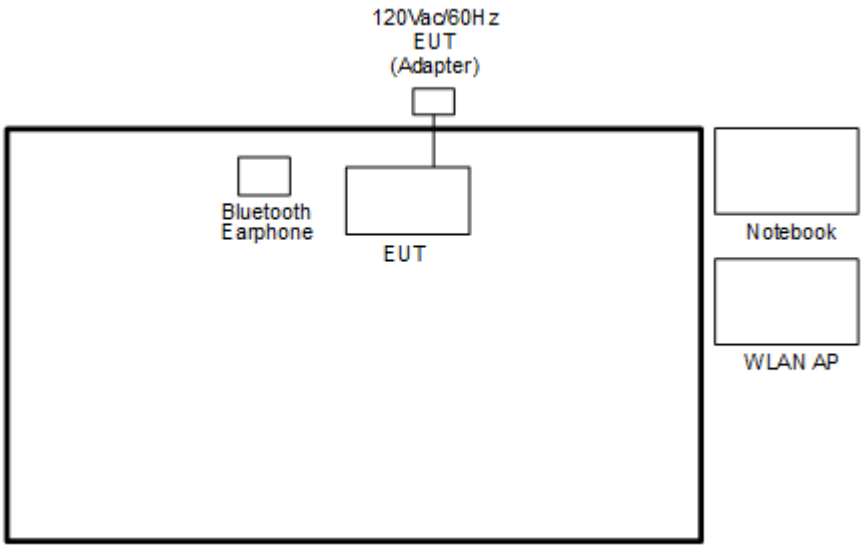
<WLAN Tx Mode>



<TXBF Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Latitude E7440	NA	NA	NA
5.	Notebook	DELL	NoteBook-31	NA	NA	NA
6.	iPod Earphone	Apple	A1387	N/A	NA	NA

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance tool Version 1.0.0.52” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

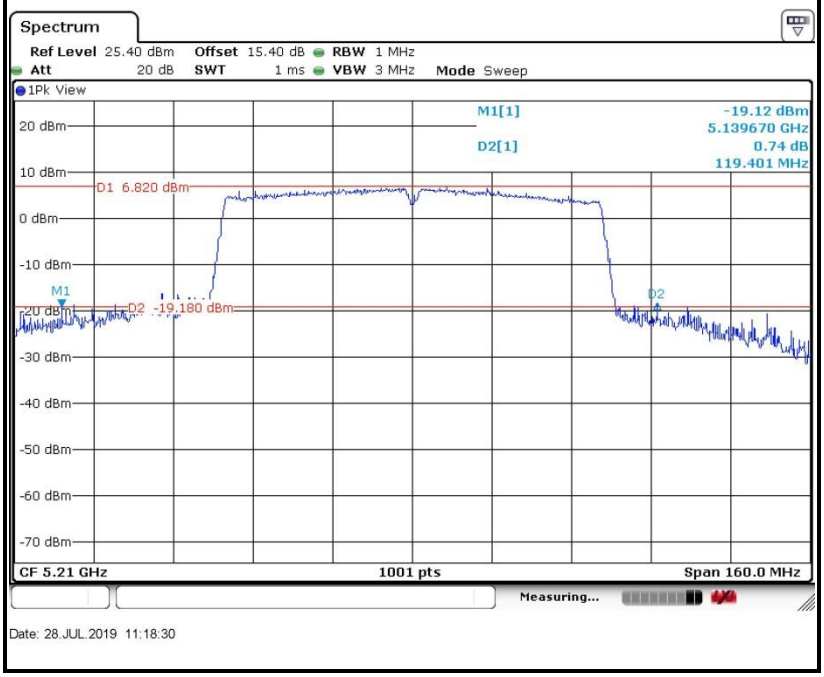
3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

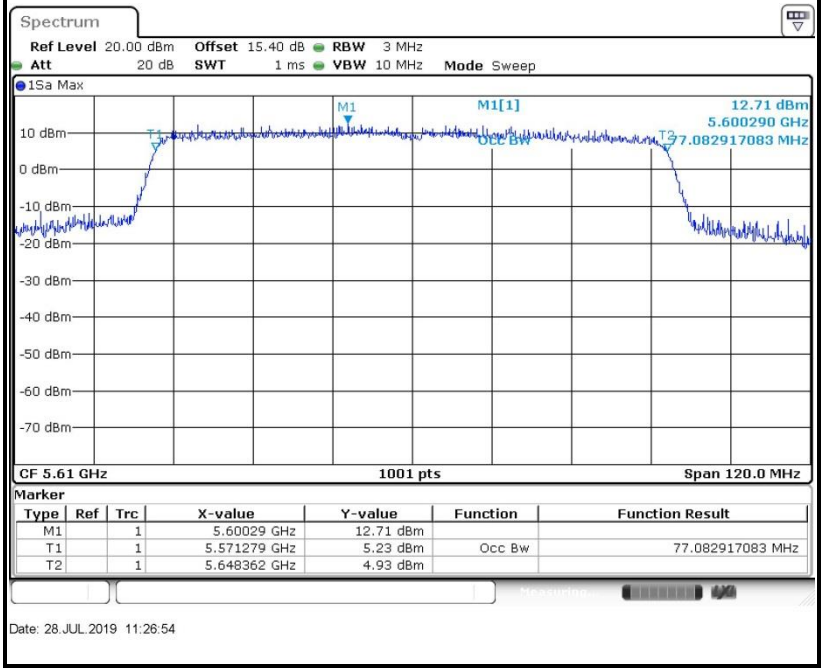
Please refer to Appendix A.

<CDD Mode>

Maximum 26dB Bandwidth



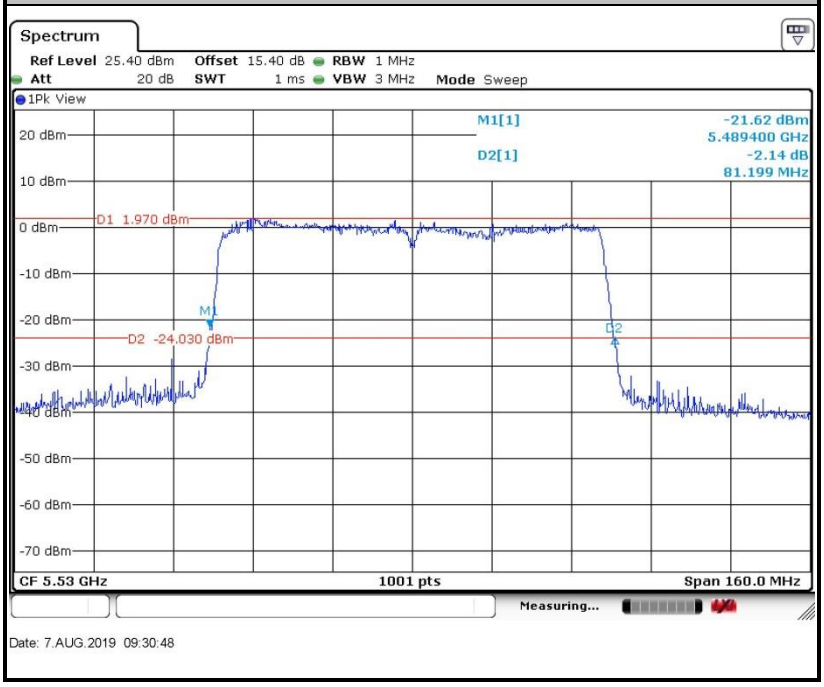
Maximum 99% Occupied Bandwidth



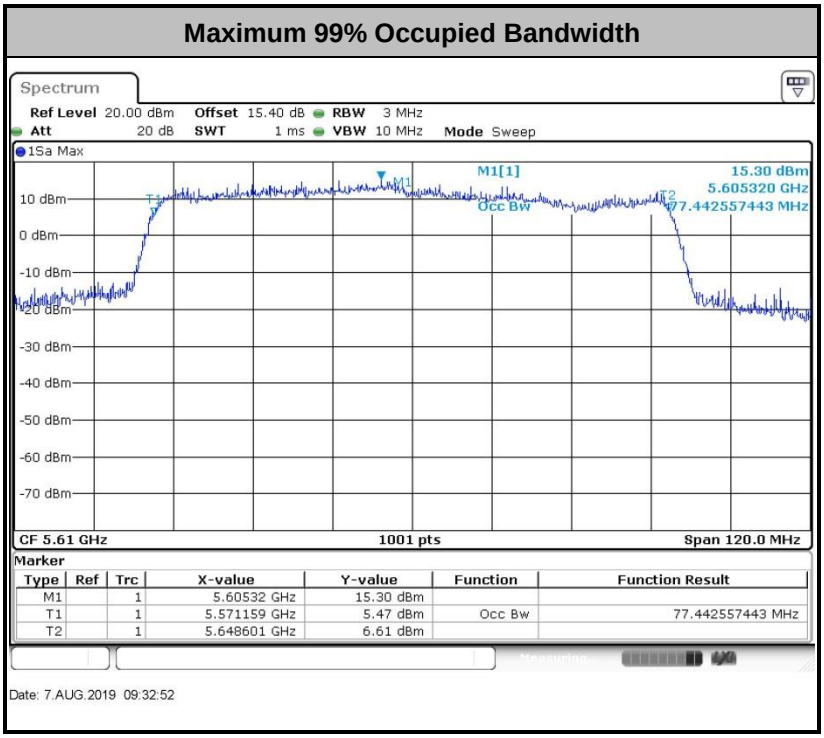
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<TXBF Modes>

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

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

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

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

<TXBF Modes>

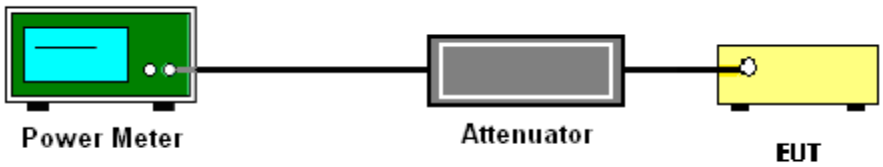
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

<CDD Modes>

 # Method SA-3 #

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 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.

<TXBF Modes>

 # Method SA-3 #

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

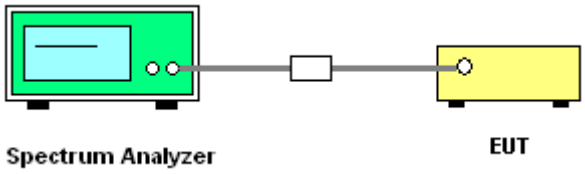
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

3.3.4 Test Setup

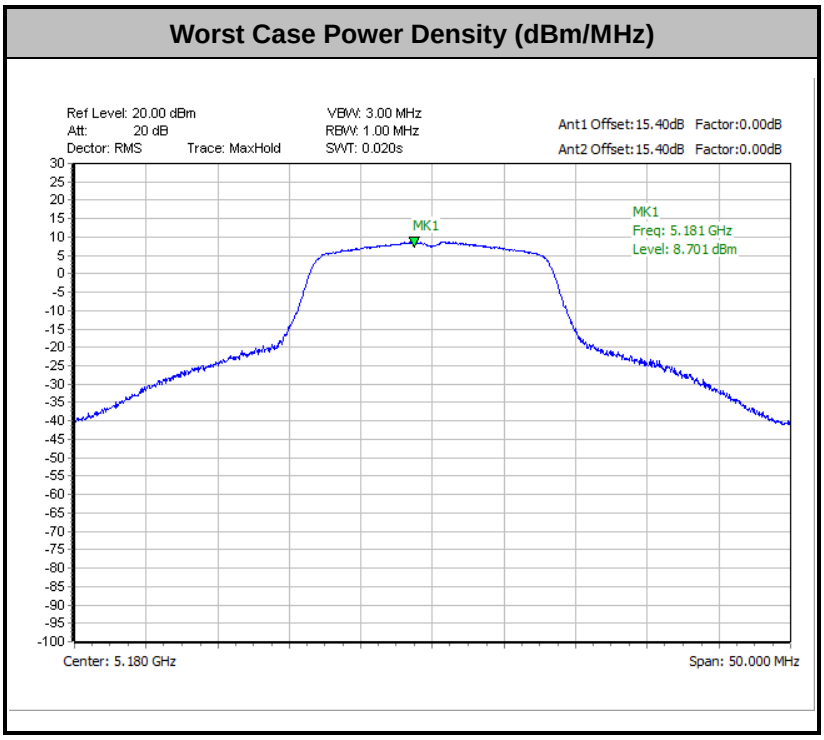


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

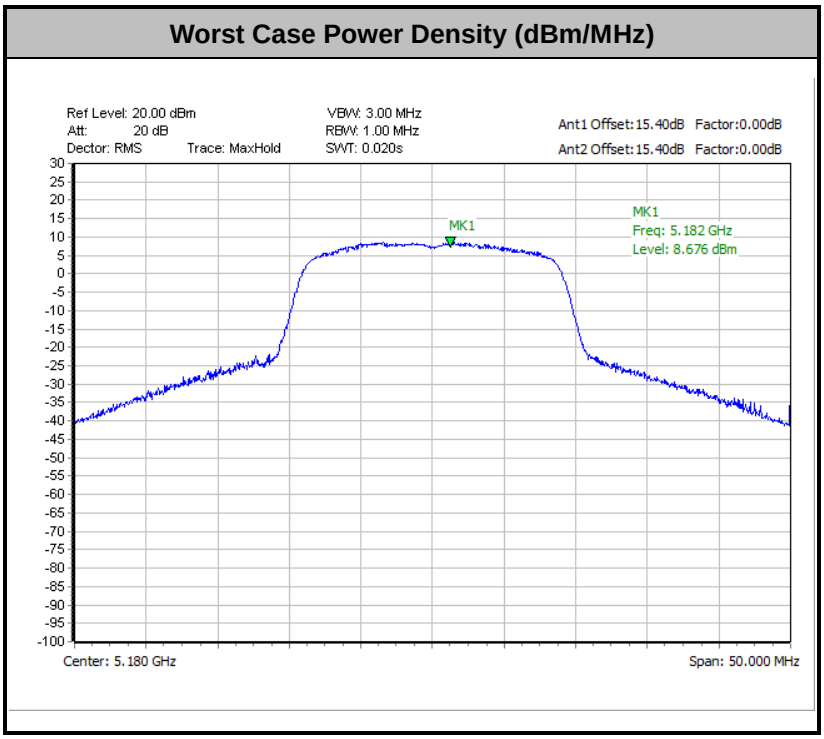
<CDD Modes>

Worst Case Power Density (dBm/MHz)



<TXBF Modes>

Worst Case Power Density (dBm/MHz)



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

(ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.[4]

Note 3: An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

Note 4: Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

   Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

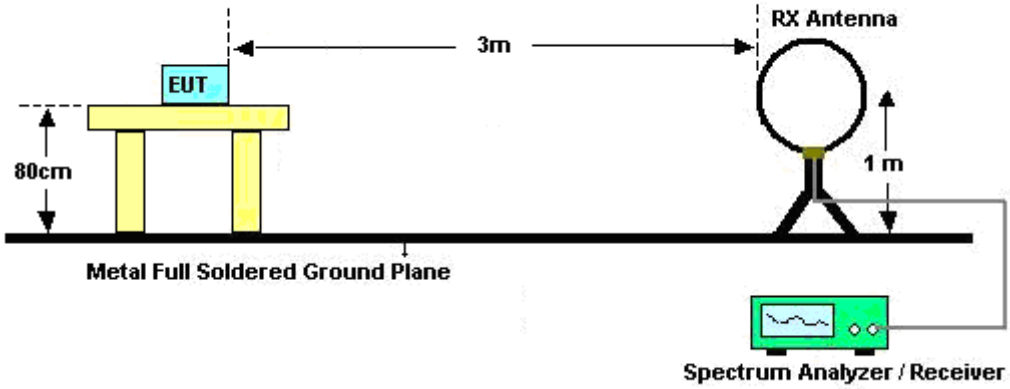
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

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

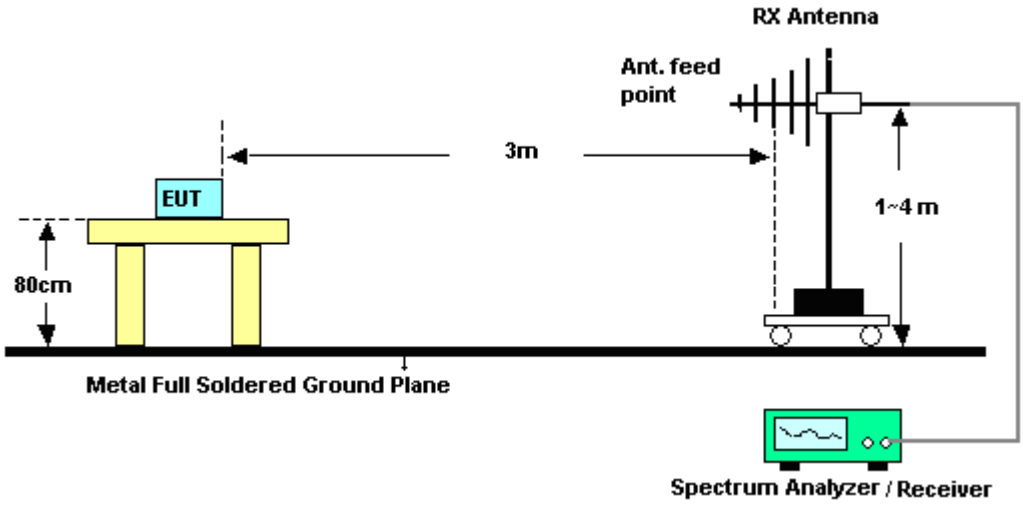
3.4.4 Test Setup

For radiated emissions below 30MHz

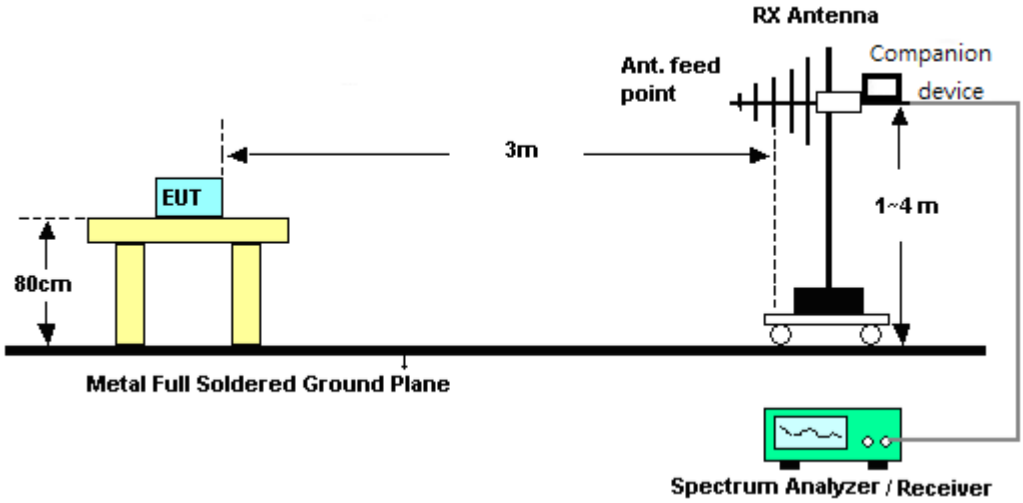


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

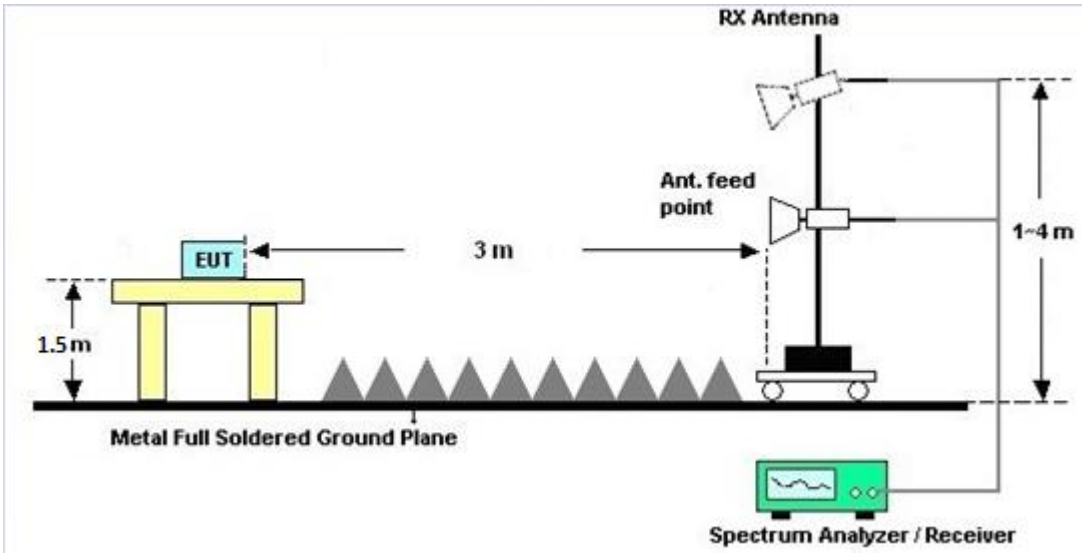


<TXBF Modes>

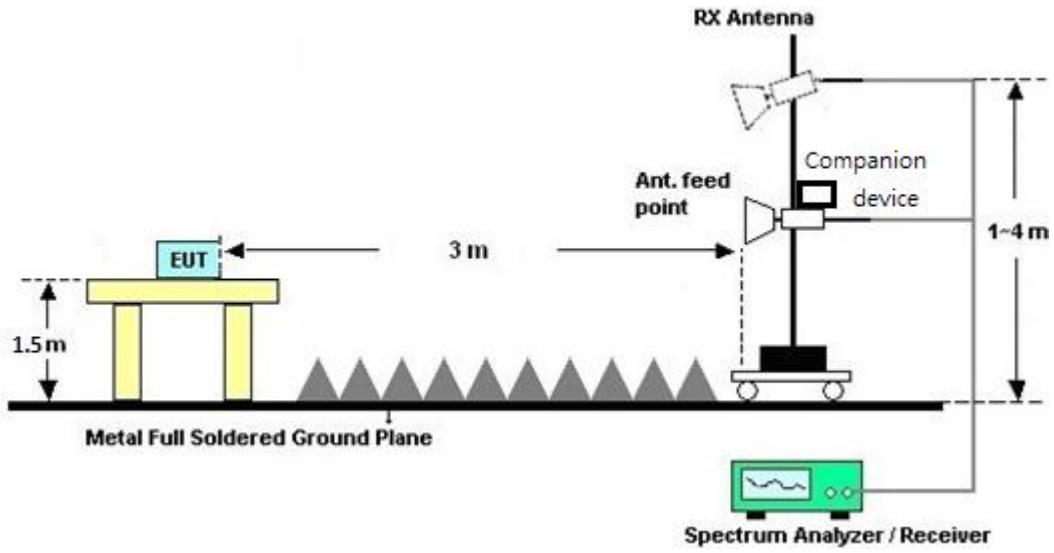


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

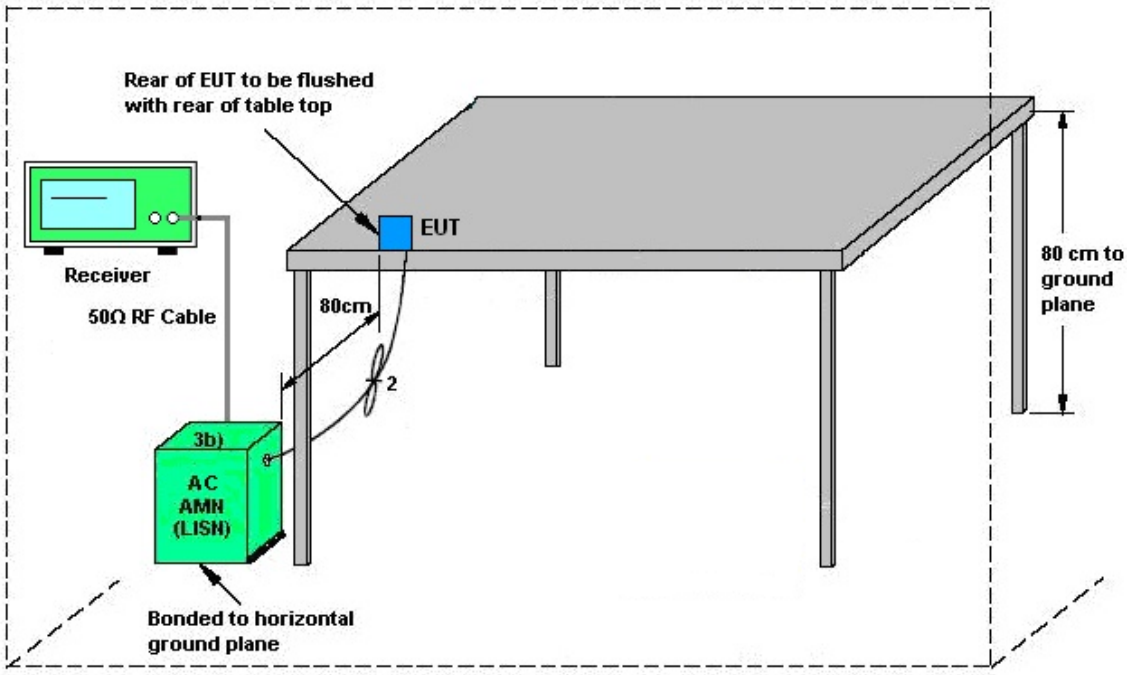
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

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

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

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

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

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

5180MHz

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.85	5.56	5.56	8.22	0.00	2.22
Band II	5.21	5.27	5.27	8.25	0.00	2.25
Band III	5.79	5.93	5.93	8.87	0.00	2.87

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.85	5.56	8.22	8.22	2.22	2.22
Band II	5.21	5.27	8.25	8.25	2.25	2.25
Band III	5.79	5.93	8.87	8.87	2.87	2.87

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Aug. 16, 2018	Jul. 14, 2019	Aug. 15, 2019	DFS (DFS02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 03, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Jul. 03, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jul. 03, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jul. 03, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 03, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jul. 03, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jul. 03, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 07, 2019	Jul. 17, 2019~ Aug. 04, 2019	Jan. 06, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz ~ 18GHz	May 14, 2019	Jul. 17, 2019~ Aug. 04, 2019	May 13, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	37059&01	30MHz~1GHz	Oct. 13, 2018	Jul. 17, 2019~ Aug. 04, 2019	Oct. 12, 2019	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Jul. 17, 2019~ Aug. 04, 2019	Dec. 04, 2019	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Mar. 15, 2019	Jul. 17, 2019~ Aug. 04, 2019	Mar. 14, 2020	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 14, 2018	Jul. 17, 2019~ Aug. 04, 2019	Nov. 13, 2020	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 20, 2019	Jul. 17, 2019~ Aug. 04, 2019	May 19, 2020	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 18, 2018	Jul. 17, 2019~ Aug. 04, 2019	Dec. 17, 2019	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 06, 2018	Jul. 17, 2019~ Aug. 04, 2019	Dec. 05, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 13, 2019	Jul. 17, 2019~ Aug. 04, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 13, 2019	Jul. 17, 2019~ Aug. 04, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 13, 2019	Jul. 17, 2019~ Aug. 04, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 19, 2019	Jul. 17, 2019~ Aug. 04, 2019	Mar. 18, 2020	Radiation (03CH13-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jul. 17, 2019~ Aug. 04, 2019	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jul. 17, 2019~ Aug. 04, 2019	N/A	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Jul. 17, 2019~ Aug. 04, 2019	N/A	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Jul. 17, 2019~ Aug. 04, 2019	Oct. 31, 2019	Radiation (03CH13-HY)
Filter	Woken	WHKX8-5272.5-6750-18000-40SST	SN5	6.75G Highpass	Mar. 13, 2019	Jul. 17, 2019~ Aug. 04, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WLKS1200-8SS	SN3	1.2G Low Pass	Nov. 02, 2018	Jul. 17, 2019~ Aug. 04, 2019	Nov. 01, 2019	Radiation (03CH13-HY)
<CDD Mode>								
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	Jul. 11, 2019~ Jul. 28, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	Jul. 11, 2019~ Jul. 28, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Jul. 11, 2019~ Jul. 28, 2019	Mar. 26, 2020	Conducted (TH05-HY)
<TXBF Mode>								
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	Jul. 25, 2019~ Aug. 19, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	Jul. 25, 2019~ Aug. 19, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Jul. 25, 2019~ Aug. 19, 2019	Mar. 26, 2020	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))	**2.2**

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.3**

Appendix A. Test Result of Conducted Test Items

<CDD Mode>

Test Engineer:	AnAn Wu	Temperature:	21~25	°C
Test Date:	2019/7/11~2019/7/28	Relative Humidity:	51~54	%
TX Tool	Compliance	TX Tool Version	1.0.0.52	

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	17.03	16.73	36.81	25.72	-		22.24			
11a	6Mbps	2	44	5220	16.83	16.58	27.72	22.73	-		22.20			
11a	6Mbps	2	48	5240	16.88	16.63	32.22	22.38	-		22.21			
HT20	MCS0	2	36	5180	17.98	17.68	33.92	28.02	-		22.48			
HT20	MCS0	2	44	5220	17.93	17.68	36.21	28.17	-		22.48			
HT20	MCS0	2	48	5240	17.98	17.68	36.76	27.47	-		22.48			
HT40	MCS0	2	38	5190	36.66	36.46	44.33	43.70	-		23.01			
HT40	MCS0	2	46	5230	36.66	36.46	55.92	45.14	-		23.01			
VHT80	MCS0	2	42	5210	76.84	76.72	119.40	90.95	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.30	15.30	18.84	24.00		5.56			Pass
11a	6Mbps	2	44	5220	15.90	15.00	18.48	24.00		5.56			Pass
11a	6Mbps	2	48	5240	15.90	15.00	18.48	24.00		5.56			Pass
HT20	MCS0	2	36	5180	15.80	14.60	18.25	24.00		5.56			Pass
HT20	MCS0	2	44	5220	16.20	15.20	18.74	24.00		5.56			Pass
HT20	MCS0	2	48	5240	16.40	15.30	18.90	24.00		5.56			Pass
HT40	MCS0	2	38	5190	15.10	14.10	17.64	24.00		5.56			Pass
HT40	MCS0	2	46	5230	16.60	15.50	19.10	24.00		5.56			Pass
VHT20	MCS0	2	36	5180	15.70	14.50	18.15	24.00		5.56			Pass
VHT20	MCS0	2	44	5220	16.10	15.10	18.64	24.00		5.56			Pass
VHT20	MCS0	2	48	5240	16.30	15.20	18.80	24.00		5.56			Pass
VHT40	MCS0	2	38	5190	15.00	13.90	17.50	24.00		5.56			Pass
VHT40	MCS0	2	46	5230	16.50	15.40	19.00	24.00		5.56			Pass
VHT80	MCS0	2	42	5210	16.50	15.20	18.91	24.00		5.56			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.00	0.00			8.70	8.78		8.22			Pass
11a	6Mbps	2	44	5220	0.00	0.00			8.37	8.78		8.22			Pass
11a	6Mbps	2	48	5240	0.00	0.00			8.47	8.78		8.22			Pass
HT20	MCS0	2	36	5180	0.00	0.00			8.31	8.78		8.22			Pass
HT20	MCS0	2	44	5220	0.00	0.00			8.28	8.78		8.22			Pass
HT20	MCS0	2	48	5240	0.00	0.00			8.42	8.78		8.22			Pass
HT40	MCS0	2	38	5190	0.00	0.00			4.03	8.78		8.22			Pass
HT40	MCS0	2	46	5230	0.00	0.00			5.67	8.78		8.22			Pass
VHT80	MCS0	2	42	5210	0.00	0.00			1.80	8.78		8.22			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.83	16.58	27.57	24.38	23.20		29.20		23.98		
11a	6Mbps	2	60	5300	16.73	16.58	25.82	25.07	23.20		29.20		23.98		
11a	6Mbps	2	64	5320	16.78	16.58	25.92	25.72	23.20		29.20		23.98		
HT20	MCS0	2	52	5260	17.88	17.68	33.32	27.17	23.48		29.48		23.98		
HT20	MCS0	2	60	5300	17.78	17.68	31.47	29.37	23.48		29.48		23.98		
HT20	MCS0	2	64	5320	17.83	17.68	30.02	30.72	23.48		29.48		23.98		
HT40	MCS0	2	54	5270	36.76	36.46	59.16	45.67	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.56	36.56	43.52	41.36	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.60	76.72	81.52	81.36	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	15.40	15.10	18.26	23.98		5.27		26.99	Pass
11a	6Mbps	2	60	5300	15.60	16.30	18.97	23.98		5.27		26.99	Pass
11a	6Mbps	2	64	5320	15.20	15.80	18.52	23.98		5.27		26.99	Pass
HT20	MCS0	2	52	5260	15.80	15.30	18.57	23.98		5.27		26.99	Pass
HT20	MCS0	2	60	5300	15.00	15.70	18.37	23.98		5.27		26.99	Pass
HT20	MCS0	2	64	5320	15.10	15.60	18.37	23.98		5.27		26.99	Pass
HT40	MCS0	2	54	5270	16.40	16.00	19.21	23.98		5.27		26.99	Pass
HT40	MCS0	2	62	5310	15.20	15.70	18.47	23.98		5.27		26.99	Pass
VHT20	MCS0	2	52	5260	15.70	15.20	18.47	23.98		5.27		26.99	Pass
VHT20	MCS0	2	60	5300	14.90	15.60	18.27	23.98		5.27		26.99	Pass
VHT20	MCS0	2	64	5320	15.00	15.50	18.27	23.98		5.27		26.99	Pass
VHT40	MCS0	2	54	5270	16.30	15.90	19.11	23.98		5.27		26.99	Pass
VHT40	MCS0	2	62	5310	15.10	15.60	18.37	23.98		5.27		26.99	Pass
VHT80	MCS0	2	58	5290	14.10	14.70	17.42	23.98		5.27		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.00	0.00			8.42	8.75		8.25			Pass
11a	6Mbps	2	60	5300	0.00	0.00			8.57	8.75		8.25			Pass
11a	6Mbps	2	64	5320	0.00	0.00			8.29	8.75		8.25			Pass
HT20	MCS0	2	52	5260	0.00	0.00			8.38	8.75		8.25			Pass
HT20	MCS0	2	60	5300	0.00	0.00			8.26	8.75		8.25			Pass
HT20	MCS0	2	64	5320	0.00	0.00			8.55	8.75		8.25			Pass
HT40	MCS0	2	54	5270	0.00	0.00			5.16	8.75		8.25			Pass
HT40	MCS0	2	62	5310	0.00	0.00			4.77	8.75		8.25			Pass
VHT80	MCS0	2	58	5290	0.00	0.00			0.00	8.75		8.25			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.78	16.53	26.62	20.58	23.18		29.18		23.98		----	----
11a	6Mbps	2	116	5580	16.73	16.53	25.48	20.83	23.18		29.18		23.98		----	----
11a	6Mbps	2	140	5700	16.83	16.58	29.62	21.08	23.20		29.20		23.98		----	----
11a	6Mbps	2	144	5720	13.54	13.34	19.09	15.39	22.25		28.25		22.87		3.142	3.092
HT20	MCS0	2	100	5500	17.88	17.63	32.37	23.18	23.46		29.46		23.98		----	----
HT20	MCS0	2	116	5580	17.78	17.58	28.77	21.53	23.45		29.45		23.98		----	----
HT20	MCS0	2	140	5700	17.98	17.68	35.66	27.07	23.48		29.48		23.98		----	----
HT20	MCS0	2	144	5720	14.04	13.89	20.68	17.84	22.43		28.43		23.51		3.741	3.741
HT40	MCS0	2	102	5510	36.96	36.56	50.89	41.36	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.86	36.66	52.60	43.07	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	37.26	36.56	68.15	49.72	23.98		30.00		23.98		----	----
HT40	MCS0	2	142	5710	33.78	33.48	52.58	42.87	23.98		30.00		23.98		3.162	3.162
VHT80	MCS0	2	106	5530	76.84	76.84	81.52	81.36	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	77.08	76.96	112.53	104.06	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.84	73.60	101.49	86.79	23.98		30.00		23.98		3.204	3.204

TEST RESULTS DATA
Average Power Table

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	14.30	14.20	17.26	23.98		5.93		26.99	Pass
11a	6Mbps	2	116	5580	13.80	14.30	17.07	23.98		5.93		26.99	Pass
11a	6Mbps	2	140	5700	14.30	14.50	17.41	23.98		5.93		26.99	Pass
11a	6Mbps	2	144	5720	14.00	13.90	16.96	22.87		5.93		26.99	Pass
HT20	MCS0	2	100	5500	14.40	14.30	17.36	23.98		5.93		26.99	Pass
HT20	MCS0	2	116	5580	13.60	13.90	16.76	23.98		5.93		26.99	Pass
HT20	MCS0	2	140	5700	14.30	14.50	17.41	23.98		5.93		26.99	Pass
HT20	MCS0	2	144	5720	14.00	14.20	17.11	23.51		5.93		26.99	Pass
HT40	MCS0	2	102	5510	15.30	15.50	18.41	23.98		5.93		26.99	Pass
HT40	MCS0	2	110	5550	15.70	16.00	18.86	23.98		5.93		26.99	Pass
HT40	MCS0	2	134	5670	16.20	16.10	19.16	23.98		5.93		26.99	Pass
HT40	MCS0	2	142	5710	15.80	15.70	18.76	23.98		5.93		26.99	Pass
VHT20	MCS0	2	100	5500	14.30	14.20	17.26	23.98		5.93		26.99	Pass
VHT20	MCS0	2	116	5580	13.50	13.80	16.66	23.98		5.93		26.99	Pass
VHT20	MCS0	2	140	5700	14.20	14.40	17.31	23.98		5.93		26.99	Pass
VHT20	MCS0	2	144	5720	13.90	14.10	17.01	23.51		5.93		26.99	Pass
VHT40	MCS0	2	102	5510	15.20	15.30	18.26	23.98		5.93		26.99	Pass
VHT40	MCS0	2	110	5550	15.60	15.90	18.76	23.98		5.93		26.99	Pass
VHT40	MCS0	2	134	5670	16.00	16.00	19.01	23.98		5.93		26.99	Pass
VHT40	MCS0	2	142	5710	15.70	15.60	18.66	23.98		5.93		26.99	Pass
VHT80	MCS0	2	106	5530	10.80	11.00	13.91	23.98		5.93		26.99	Pass
VHT80	MCS0	2	122	5610	15.60	16.00	18.81	23.98		5.93		26.99	Pass
VHT80	MCS0	2	138	5690	16.00	16.00	19.01	23.98		5.93		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.00	0.00			7.82	8.13		8.87			Pass
11a	6Mbps	2	116	5580	0.00	0.00			7.77	8.13		8.87			Pass
11a	6Mbps	2	140	5700	0.00	0.00			7.76	8.13		8.87			Pass
11a	6Mbps	2	144	5720	0.00	0.00			8.08	8.13		8.87			Pass
HT20	MCS0	2	100	5500	0.00	0.00			7.63	8.13		8.87			Pass
HT20	MCS0	2	116	5580	0.00	0.00			7.61	8.13		8.87			Pass
HT20	MCS0	2	140	5700	0.00	0.00			7.72	8.13		8.87			Pass
HT20	MCS0	2	144	5720	0.00	0.00			7.84	8.13		8.87			Pass
HT40	MCS0	2	102	5510	0.00	0.00			4.38	8.13		8.87			Pass
HT40	MCS0	2	110	5550	0.00	0.00			5.17	8.13		8.87			Pass
HT40	MCS0	2	134	5670	0.00	0.00			5.79	8.13		8.87			Pass
HT40	MCS0	2	142	5710	0.00	0.00			5.22	8.13		8.87			Pass
VHT80	MCS0	2	106	5530	0.00	0.00			-3.02	8.13		8.87			Pass
VHT80	MCS0	2	122	5610	0.00	0.00			1.11	8.13		8.87			Pass
VHT80	MCS0	2	138	5690	0.00	0.00			1.43	8.13		8.87			Pass

<TXBF Mode>

Test Engineer:	Howard Lin	Temperature:	21~25	°C
Test Date:	2019/7/25~2019/8/19	Relative Humidity:	51~54	%
TX Tool	Compliance	TX Tool Version	1.0.0.52	

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	17.98	17.58	26.12	22.73	-		22.45			
VHT20	MCS0	2	44	5220	17.73	17.68	21.58	21.13	-		22.48			
VHT20	MCS0	2	48	5240	17.68	17.73	25.87	22.03	-		22.48			
VHT40	MCS0	2	38	5190	36.36	36.36	44.78	41.09	-		23.01			
VHT40	MCS0	2	46	5230	36.66	36.06	58.26	41.27	-		23.01			
VHT80	MCS0	2	42	5210	76.24	76.96	80.56	79.92	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	16.00	15.30	18.67	21.78		8.22			Pass
VHT20	MCS0	2	44	5220	15.70	14.90	18.33	21.78		8.22			Pass
VHT20	MCS0	2	48	5240	16.40	15.60	19.03	21.78		8.22			Pass
VHT40	MCS0	2	38	5190	15.00	14.40	17.72	21.78		8.22			Pass
VHT40	MCS0	2	46	5230	17.90	17.10	20.53	21.78		8.22			Pass
VHT80	MCS0	2	42	5210	14.10	13.10	16.64	21.78		8.22			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	0.00	0.00			8.68	8.78		8.22			Pass
VHT20	MCS0	2	44	5220	0.00	0.00			8.34	8.78		8.22			Pass
VHT20	MCS0	2	48	5240	0.00	0.00			8.38	8.78		8.22			Pass
VHT40	MCS0	2	38	5190	0.00	0.00			7.41	8.78		8.22			Pass
VHT40	MCS0	2	46	5230	0.00	0.00			8.42	8.78		8.22			Pass
VHT80	MCS0	2	42	5210	0.00	0.00			1.50	8.78		8.22			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260	17.63	17.68	23.13	21.88	23.46		29.46		23.98		
VHT20	MCS0	2	60	5300	17.63	17.83	21.73	23.08	23.46		29.46		23.98		
VHT20	MCS0	2	64	5320	17.63	17.73	22.88	24.03	23.46		29.46		23.98		
VHT40	MCS0	2	54	5270	36.26	36.26	44.33	43.07	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.36	36.36	41.09	46.30	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.48	76.84	81.04	80.88	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	52	5260	15.40	15.10	18.26	21.73		8.25		26.99	Pass
VHT20	MCS0	2	60	5300	15.40	16.00	18.72	21.73		8.25		26.99	Pass
VHT20	MCS0	2	64	5320	15.40	16.00	18.72	21.73		8.25		26.99	Pass
VHT40	MCS0	2	54	5270	15.20	15.10	18.16	21.73		8.25		26.99	Pass
VHT40	MCS0	2	62	5310	14.40	15.40	17.94	21.73		8.25		26.99	Pass
VHT80	MCS0	2	58	5290	14.20	14.60	17.41	21.73		8.25		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	52	5260	0.00	0.00			8.42	8.75		8.25			Pass
VHT20	MCS0	2	60	5300	0.00	0.00			8.65	8.75		8.25			Pass
VHT20	MCS0	2	64	5320	0.00	0.00			8.54	8.75		8.25			Pass
VHT40	MCS0	2	54	5270	0.00	0.00			6.44	8.75		8.25			Pass
VHT40	MCS0	2	62	5310	0.00	0.00			5.25	8.75		8.25			Pass
VHT80	MCS0	2	58	5290	0.00	0.00			2.99	8.75		8.25			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	100	5500	17.83	17.58	23.08	21.13	23.45		29.45		23.98		----	----
VHT20	MCS0	2	116	5580	17.73	17.68	22.88	21.13	23.48		29.48		23.98		----	----
VHT20	MCS0	2	140	5700	17.73	17.78	27.12	21.48	23.49		29.49		23.98		----	----
VHT20	MCS0	2	144	5720	13.99	13.74	29.67	20.98	22.38		28.38		23.98		2.543	2.243
VHT40	MCS0	2	102	5510	36.66	36.16	46.84	41.27	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.26	36.66	45.23	41.63	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.66	36.06	47.29	41.27	23.98		30.00		23.98		----	----
VHT40	MCS0	2	142	5710	33.48	33.08	43.16	45.23	23.98		30.00		23.98		3.072	2.533
VHT80	MCS0	2	106	5530	76.36	76.96	80.40	81.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	77.44	76.60	81.04	80.88	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	74.08	73.24	75.44	75.28	23.98		30.00		23.98		2.884	2.565

TEST RESULTS DATA
Average Power Table

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	100	5500	14.40	14.60	17.51	21.11		8.87		26.99	Pass
VHT20	MCS0	2	116	5580	14.40	14.90	17.67	21.11		8.87		26.99	Pass
VHT20	MCS0	2	140	5700	14.50	14.40	17.46	21.11		8.87		26.99	Pass
VHT20	MCS0	2	144	5720	14.50	14.30	17.41	21.11		8.87		26.99	Pass
VHT40	MCS0	2	102	5510	13.40	14.00	16.72	21.11		8.87		26.99	Pass
VHT40	MCS0	2	110	5550	15.00	15.20	18.11	21.11		8.87		26.99	Pass
VHT40	MCS0	2	134	5670	14.80	14.60	17.71	21.11		8.87		26.99	Pass
VHT40	MCS0	2	142	5710	14.70	14.80	17.76	21.11		8.87		26.99	Pass
VHT80	MCS0	2	106	5530	9.70	9.90	12.81	21.11		8.87		26.99	Pass
VHT80	MCS0	2	122	5610	14.40	14.80	17.61	21.11		8.87		26.99	Pass
VHT80	MCS0	2	138	5690	14.50	14.70	17.61	21.11		8.87		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	100	5500	0.00	0.00			8.05	8.13		8.87			Pass
VHT20	MCS0	2	116	5580	0.00	0.00			8.01	8.13		8.87			Pass
VHT20	MCS0	2	140	5700	0.00	0.00			7.82	8.13		8.87			Pass
VHT20	MCS0	2	144	5720	0.00	0.00			7.56	8.13		8.87			Pass
VHT40	MCS0	2	102	5510	0.00	0.00			6.43	8.13		8.87			Pass
VHT40	MCS0	2	110	5550	0.00	0.00			5.99	8.13		8.87			Pass
VHT40	MCS0	2	134	5670	0.00	0.00			5.07	8.13		8.87			Pass
VHT40	MCS0	2	142	5710	0.00	0.00			5.57	8.13		8.87			Pass
VHT80	MCS0	2	106	5530	0.00	0.00			-1.42	8.13		8.87			Pass
VHT80	MCS0	2	122	5610	0.00	0.00			2.07	8.13		8.87			Pass
VHT80	MCS0	2	138	5690	0.00	0.00			1.58	8.13		8.87			Pass

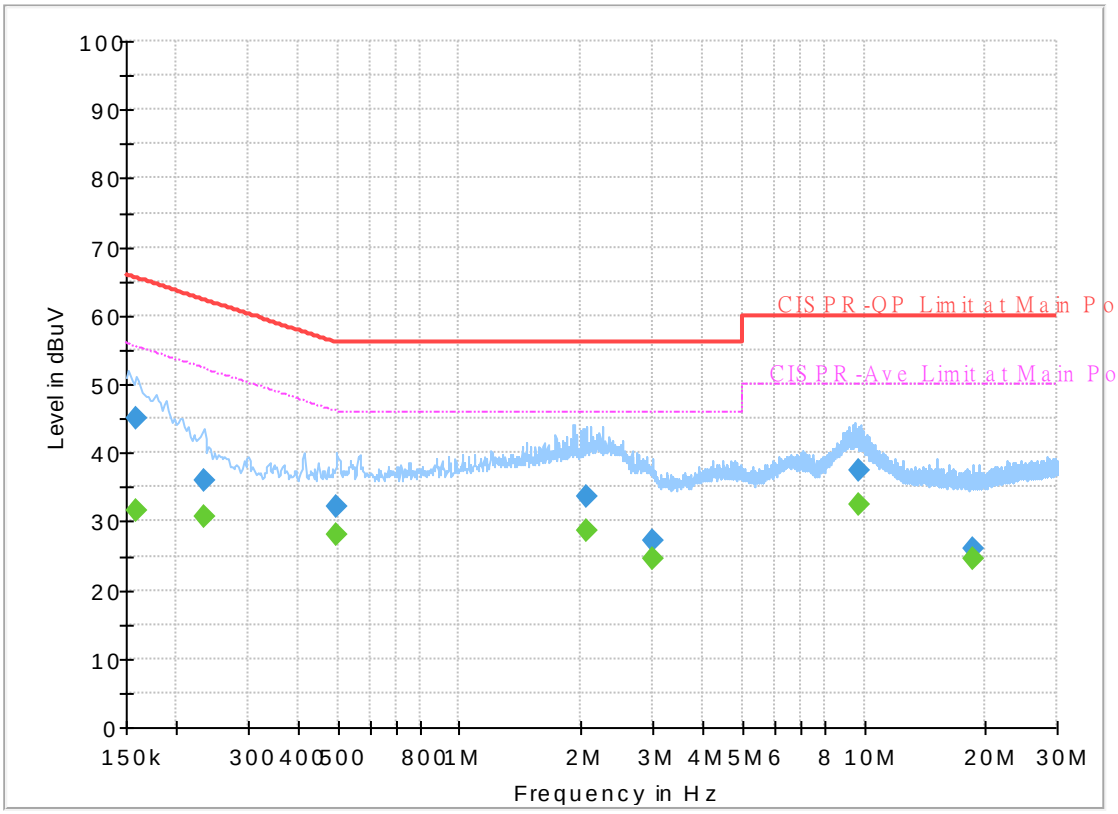
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	**Temperature :**	22~24℃
		Relative Humidity :	52~55%

EUT Information

Report NO :	940344-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



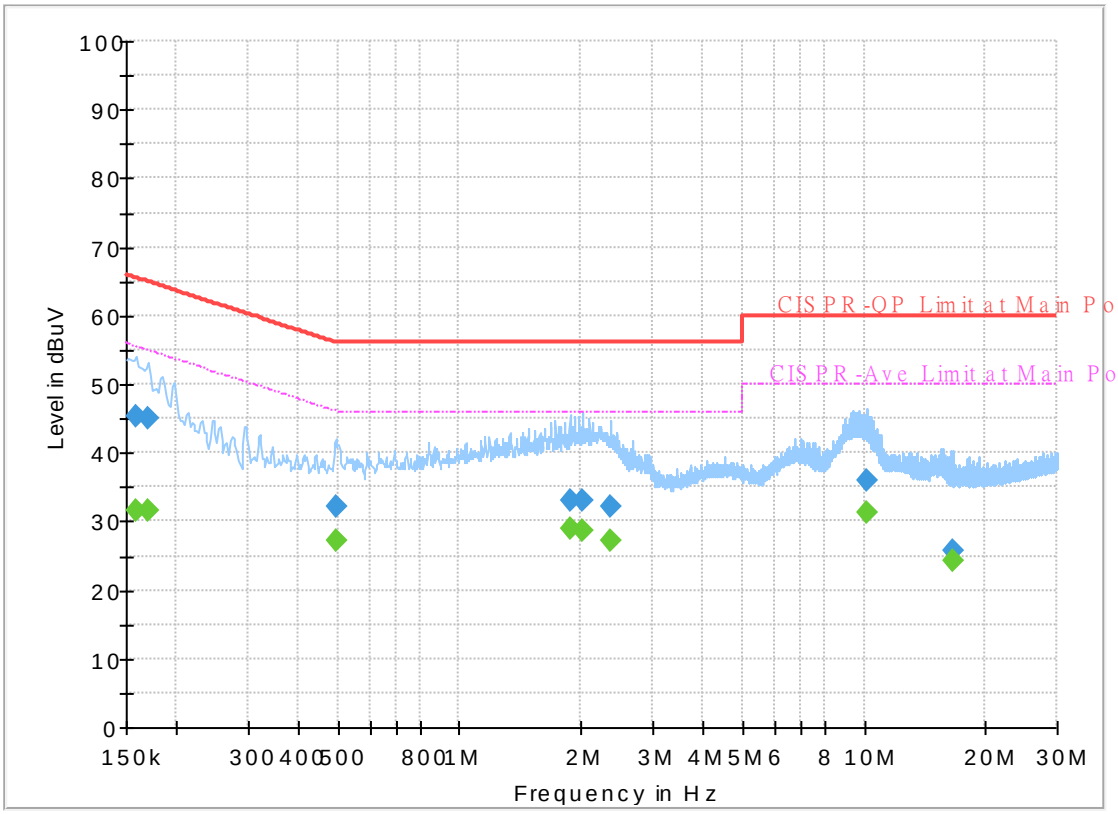
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	31.68	55.52	23.84	L1	OFF	19.4
0.159000	45.04	---	65.52	20.48	L1	OFF	19.4
0.233250	---	30.67	52.33	21.66	L1	OFF	19.4
0.233250	36.03	---	62.33	26.30	L1	OFF	19.4
0.496500	---	28.16	46.06	17.90	L1	OFF	19.4
0.496500	32.15	---	56.06	23.91	L1	OFF	19.4
2.064750	---	28.78	46.00	17.22	L1	OFF	19.5
2.064750	33.58	---	56.00	22.42	L1	OFF	19.5
3.012000	---	24.60	46.00	21.40	L1	OFF	19.5
3.012000	27.12	---	56.00	28.88	L1	OFF	19.5
9.678750	---	32.52	50.00	17.48	L1	OFF	19.8
9.678750	37.42	---	60.00	22.58	L1	OFF	19.8
18.519000	---	24.66	50.00	25.34	L1	OFF	20.1
18.519000	26.12	---	60.00	33.88	L1	OFF	20.1

EUT Information

Report NO :	940344-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	31.68	55.52	23.84	N	OFF	19.5
0.159000	45.18	---	65.52	20.34	N	OFF	19.5
0.170250	---	31.53	54.95	23.42	N	OFF	19.5
0.170250	45.16	---	64.95	19.79	N	OFF	19.5
0.494250	---	27.26	46.10	18.84	N	OFF	19.5
0.494250	32.10	---	56.10	24.00	N	OFF	19.5
1.873500	---	28.85	46.00	17.15	N	OFF	19.6
1.873500	32.97	---	56.00	23.03	N	OFF	19.6
2.024250	---	28.64	46.00	17.36	N	OFF	19.6
2.024250	33.09	---	56.00	22.91	N	OFF	19.6
2.357250	---	27.06	46.00	18.94	N	OFF	19.6
2.357250	32.09	---	56.00	23.91	N	OFF	19.6
10.162500	---	31.20	50.00	18.80	N	OFF	19.9
10.162500	35.83	---	60.00	24.17	N	OFF	19.9
16.638000	---	24.38	50.00	25.62	N	OFF	20.1
16.638000	25.74	---	60.00	34.26	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Ryan Lin, JC Liang and Wilson Wu	Temperature :	21.5~23.5°C
		Relative Humidity :	46.5~49.5%

<CDD Mode>

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+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	54.91	-19.09	74	46.22	32.1	6.08	29.49	305	253	P	H
		5148.72	45.42	-8.58	54	36.73	32.1	6.08	29.49	305	253	A	H
	*	5180	108.38	-	-	99.85	31.92	6.1	29.49	305	253	P	H
	*	5180	101.53	-	-	93	31.92	6.1	29.49	305	253	A	H
		5148.98	62.6	-11.4	74	53.91	32.1	6.08	29.49	100	43	P	V
		5149.24	49.52	-4.48	54	40.83	32.1	6.08	29.49	100	43	A	V
	*	5180	112.64	-	-	104.11	31.92	6.1	29.49	100	43	P	V
	*	5180	105.85	-	-	97.32	31.92	6.1	29.49	100	43	A	V
802.11a CH 44 5220MHz		5093.6	52	-22	74	43.44	31.99	6.05	29.48	100	318	P	H
		5150	42.02	-11.98	54	33.33	32.1	6.08	29.49	100	318	A	H
	*	5220	108.5	-	-	100.21	31.68	6.11	29.5	100	318	P	H
	*	5220	101.43	-	-	93.14	31.68	6.11	29.5	100	318	A	H
		5407.08	47.78	-26.22	74	39.55	31.63	6.13	29.53	100	318	P	H
		5460	38.4	-15.6	54	29.94	31.82	6.18	29.54	100	318	A	H
		5122.72	53.76	-20.24	74	45.12	32.05	6.07	29.48	104	43	P	V
		5147.94	43.95	-10.05	54	35.26	32.1	6.08	29.49	104	43	A	V
	*	5220	113.11	-	-	104.82	31.68	6.11	29.5	104	43	P	V
	*	5220	105.95	-	-	97.66	31.68	6.11	29.5	104	43	A	V
		5398.4	48.9	-25.1	74	40.72	31.59	6.12	29.53	104	43	P	V
		5350.24	40.11	-13.89	54	32.11	31.4	6.12	29.52	104	43	A	V

802.11a CH 48 5240MHz		5096.72	51.7	-22.3	74	43.14	31.99	6.05	29.48	100	292	P	H
		5119.86	41.6	-12.4	54	32.97	32.04	6.07	29.48	100	292	A	H
	*	5240	107.91	-	-	99.74	31.56	6.11	29.5	100	292	P	H
	*	5240	101.01	-	-	92.84	31.56	6.11	29.5	100	292	A	H
		5386.08	49.13	-24.87	74	41	31.54	6.12	29.53	100	292	P	H
		5352.2	38.84	-15.16	54	30.83	31.41	6.12	29.52	100	292	A	H
		5145.08	53.43	-20.57	74	44.75	32.09	6.08	29.49	100	43	P	V
		5148.2	43.63	-10.37	54	34.94	32.1	6.08	29.49	100	43	A	V
	*	5240	112.43	-	-	104.26	31.56	6.11	29.5	100	43	P	V
	*	5240	105.65	-	-	97.48	31.56	6.11	29.5	100	43	A	V
		5410.16	49.98	-24.02	74	41.74	31.64	6.13	29.53	100	43	P	V
		5352.76	40.82	-13.18	54	32.81	31.41	6.12	29.52	100	43	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	54.73	-13.47	68.2	62.14	39.64	9.91	56.96	100	0	P	H
		15540	48.11	-25.89	74	53.81	38.3	12.65	56.65	100	0	P	H
		10360	54.13	-14.07	68.2	61.54	39.64	9.91	56.96	100	0	P	V
		15540	47.13	-26.87	74	52.83	38.3	12.65	56.65	100	0	P	V
802.11a CH 44 5220MHz		10440	56.72	-11.48	68.2	63.81	39.88	9.95	56.92	100	0	P	H
		15660	48.32	-25.68	74	54.11	38	12.72	56.51	100	0	P	H
		10440	55.07	-13.13	68.2	62.16	39.88	9.95	56.92	100	0	P	V
		15660	46.53	-27.47	74	52.32	38	12.72	56.51	100	0	P	V
802.11a CH 48 5240MHz		10480	55.16	-13.04	68.2	62.14	39.96	9.97	56.91	100	0	P	H
		15720	48.89	-25.11	74	54.63	37.96	12.74	56.44	100	0	P	H
		10480	55.27	-12.93	68.2	62.25	39.96	9.97	56.91	100	0	P	V
		15720	47.17	-26.83	74	52.91	37.96	12.74	56.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.16	56.86	-17.14	74	48.18	32.09	6.08	29.49	100	319	P	H
		5150	46.02	-7.98	54	37.33	32.1	6.08	29.49	100	319	A	H
802.11n	*	5180	108.31	-	-	99.78	31.92	6.1	29.49	100	319	P	H
HT20	*	5180	99.71	-	-	91.18	31.92	6.1	29.49	100	319	A	H
CH 36		5145.6	57.46	-16.54	74	48.78	32.09	6.08	29.49	100	44	P	V
5180MHz		5150	48.91	-5.09	54	40.22	32.1	6.08	29.49	100	44	A	V
	*	5180	112.07	-	-	103.54	31.92	6.1	29.49	100	44	P	V
	*	5180	103.46	-	-	94.93	31.92	6.1	29.49	100	44	A	V
		5127.66	52.15	-21.85	74	43.5	32.06	6.07	29.48	100	319	P	H
		5148.2	41.96	-12.04	54	33.27	32.1	6.08	29.49	100	319	A	H
	*	5220	107.79	-	-	99.5	31.68	6.11	29.5	100	319	P	H
	*	5220	99.44	-	-	91.15	31.68	6.11	29.5	100	319	A	H
802.11n		5421.64	47.58	-26.42	74	39.29	31.69	6.14	29.54	100	319	P	H
HT20		5458.88	38.38	-15.62	54	29.92	31.82	6.18	29.54	100	319	A	H
CH 44		5135.98	53.23	-20.77	74	44.57	32.07	6.07	29.48	104	42	P	V
5220MHz		5149.76	43.98	-10.02	54	35.29	32.1	6.08	29.49	104	42	A	V
	*	5220	112.24	-	-	103.95	31.68	6.11	29.5	104	42	P	V
	*	5220	103.52	-	-	95.23	31.68	6.11	29.5	104	42	A	V
		5392.8	48.82	-25.18	74	40.66	31.57	6.12	29.53	104	42	P	V
		5350	40.09	-13.91	54	32.09	31.4	6.12	29.52	104	42	A	V

		5141.44	51.51	-22.49	74	42.84	32.08	6.08	29.49	100	318	P	H
		5147.16	41.54	-12.46	54	32.86	32.09	6.08	29.49	100	318	A	H
	*	5240	107.65	-	-	99.48	31.56	6.11	29.5	100	318	P	H
	*	5240	98.95	-	-	90.78	31.56	6.11	29.5	100	318	A	H
802.11n		5357.52	49.02	-24.98	74	40.99	31.43	6.12	29.52	100	318	P	H
HT20		5460	38.36	-15.64	54	29.9	31.82	6.18	29.54	100	318	A	H
CH 48		5141.96	52.91	-21.09	74	44.24	32.08	6.08	29.49	100	42	P	V
5240MHz		5148.2	43.48	-10.52	54	34.79	32.1	6.08	29.49	100	42	A	V
	*	5240	112.4	-	-	104.23	31.56	6.11	29.5	100	42	P	V
	*	5240	103.72	-	-	95.55	31.56	6.11	29.5	100	42	A	V
		5351.08	50.02	-23.98	74	42.02	31.4	6.12	29.52	100	42	P	V
		5351.64	40.91	-13.09	54	32.9	31.41	6.12	29.52	100	42	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+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		10360	54.61	-13.59	68.2	62.02	39.64	9.91	56.96	100	0	P	H
HT20		15540	49.32	-24.68	74	55.02	38.3	12.65	56.65	100	0	P	H
CH 36		10360	56.27	-11.93	68.2	63.68	39.64	9.91	56.96	100	0	P	V
5180MHz		15540	47.52	-26.48	74	53.22	38.3	12.65	56.65	100	0	P	V
802.11n		10440	54.86	-13.34	68.2	61.95	39.88	9.95	56.92	100	0	P	H
HT20		15660	49.23	-24.77	74	55.02	38	12.72	56.51	100	0	P	H
CH 44		10440	56.48	-11.72	68.2	63.57	39.88	9.95	56.92	100	0	P	V
5220MHz		15660	49.12	-24.88	74	54.91	38	12.72	56.51	100	0	P	V
802.11n		10480	56.44	-11.76	68.2	63.42	39.96	9.97	56.91	100	0	P	H
HT20		15720	48.16	-25.84	74	53.9	37.96	12.74	56.44	100	0	P	H
CH 48		10480	56.9	-11.3	68.2	63.88	39.96	9.97	56.91	100	0	P	V
5240MHz		15720	47.36	-26.64	74	53.1	37.96	12.74	56.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.5	60.32	-13.68	74	51.63	32.1	6.08	29.49	100	319	P	H
		5150	49.33	-4.67	54	40.64	32.1	6.08	29.49	100	319	A	H
	*	5190	103.16	-	-	94.69	31.86	6.1	29.49	100	319	P	H
	*	5190	94.66	-	-	86.19	31.86	6.1	29.49	100	319	A	H
802.11n		5455.8	48.14	-25.86	74	39.69	31.81	6.18	29.54	100	319	P	H
HT40		5458.32	38.31	-15.69	54	29.85	31.82	6.18	29.54	100	319	A	H
CH 38		5148.98	61.86	-12.14	74	53.17	32.1	6.08	29.49	100	43	P	V
5190MHz		5150	52.29	-1.71	54	43.6	32.1	6.08	29.49	100	43	A	V
	*	5190	107.2	-	-	98.73	31.86	6.1	29.49	100	43	P	V
	*	5190	98.85	-	-	90.38	31.86	6.1	29.49	100	43	A	V
		5374.04	48.97	-25.03	74	40.88	31.5	6.12	29.53	100	43	P	V
		5351.92	39.13	-14.87	54	31.12	31.41	6.12	29.52	100	43	A	V
		5147.68	50.89	-23.11	74	42.2	32.1	6.08	29.49	100	318	P	H
		5150	41.56	-12.44	54	32.87	32.1	6.08	29.49	100	318	A	H
	*	5230	102.88	-	-	94.65	31.62	6.11	29.5	100	318	P	H
	*	5230	94.7	-	-	86.47	31.62	6.11	29.5	100	318	A	H
802.11n		5355.56	48.87	-25.13	74	40.85	31.42	6.12	29.52	100	318	P	H
HT40		5459.72	38.46	-15.54	54	30	31.82	6.18	29.54	100	318	A	H
CH 46		5142.74	53.46	-20.54	74	44.78	32.09	6.08	29.49	100	43	P	V
5230MHz		5149.76	43.78	-10.22	54	35.09	32.1	6.08	29.49	100	43	A	V
	*	5230	108.26	-	-	100.03	31.62	6.11	29.5	100	43	P	V
	*	5230	99.23	-	-	91	31.62	6.11	29.5	100	43	A	V
		5354.16	49.43	-24.57	74	41.41	31.42	6.12	29.52	100	43	P	V
		5350.8	40.19	-13.81	54	32.19	31.4	6.12	29.52	100	43	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+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		10380	50.55	-17.65	68.2	57.86	39.72	9.92	56.95	100	0	P	H
HT40		15570	46.02	-27.98	74	51.83	38.15	12.66	56.62	100	0	P	H
CH 38		10380	49.18	-19.02	68.2	56.49	39.72	9.92	56.95	100	0	P	V
5190MHz		15570	45.19	-28.81	74	51	38.15	12.66	56.62	100	0	P	V
802.11n		10460	53.98	-14.22	68.2	61.02	39.92	9.96	56.92	100	0	P	H
HT40		15690	44.55	-29.45	74	50.3	38	12.72	56.47	100	0	P	H
CH 46		10460	53.01	-15.19	68.2	60.05	39.92	9.96	56.92	100	0	P	V
5230MHz		15690	44.39	-29.61	74	50.14	38	12.72	56.47	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5147.68	63.15	-10.85	74	54.46	32.1	6.08	29.49	220	86	P	H
		5150	49.4	-4.6	54	40.71	32.1	6.08	29.49	220	86	A	H
	*	5210	100.48	-	-	92.13	31.74	6.11	29.5	220	86	P	H
	*	5210	91.56	-	-	83.21	31.74	6.11	29.5	220	86	A	H
		5420.8	48.64	-25.36	74	40.36	31.68	6.14	29.54	220	86	P	H
		5456.92	38.79	-15.21	54	30.34	31.81	6.18	29.54	220	86	A	H
		5148.46	68.29	-5.71	74	59.6	32.1	6.08	29.49	196	130	P	V
		5149.5	52.86	-1.14	54	44.17	32.1	6.08	29.49	196	130	A	V
	*	5210	103.17	-	-	94.82	31.74	6.11	29.5	196	130	P	V
	*	5210	95.08	-	-	86.73	31.74	6.11	29.5	196	130	A	V
		5457.48	48.98	-25.02	74	40.53	31.81	6.18	29.54	196	130	P	V
		5350	39.26	-14.74	54	31.26	31.4	6.12	29.52	196	130	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10420	48.1	-20.1	68.2	55.25	39.84	9.94	56.93	100	0	P	H
VHT80		15630	44.53	-29.47	74	50.37	38	12.7	56.54	100	0	P	H
CH 42		10420	47.29	-20.91	68.2	54.44	39.84	9.94	56.93	100	0	P	V
5210MHz		15630	45.39	-28.61	74	51.23	38	12.7	56.54	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5121.04	51.35	-22.65	74	42.72	32.04	6.07	29.48	308	250	P	H
		5146.88	41.27	-12.73	54	32.59	32.09	6.08	29.49	308	250	A	H
	*	5260	108.16	-	-	100.08	31.48	6.11	29.51	308	250	P	H
	*	5260	100.8	-	-	92.72	31.48	6.11	29.51	308	250	A	H
		5424.24	48.13	-25.87	74	39.83	31.7	6.14	29.54	308	250	P	H
		5351.04	39.23	-14.77	54	31.23	31.4	6.12	29.52	308	250	A	H
		5105.4	51.98	-22.02	74	43.39	32.01	6.06	29.48	225	37	P	V
		5148.24	42.81	-11.19	54	34.12	32.1	6.08	29.49	225	37	A	V
	*	5260	112.2	-	-	104.12	31.48	6.11	29.51	225	37	P	V
	*	5260	105.82	-	-	97.74	31.48	6.11	29.51	225	37	A	V
		5354.64	50.94	-23.06	74	42.92	31.42	6.12	29.52	225	37	P	V
		5351.04	41.43	-12.57	54	33.43	31.4	6.12	29.52	225	37	P	V
802.11a CH 60 5300MHz		5071.06	51.03	-22.97	74	42.52	31.94	6.04	29.47	326	251	P	H
		5149.94	40.93	-13.07	54	32.24	32.1	6.08	29.49	326	251	A	H
	*	5300	108.01	-	-	100.01	31.4	6.11	29.51	326	251	P	H
	*	5300	100.91	-	-	92.91	31.4	6.11	29.51	326	251	A	H
		5407.68	48.58	-25.42	74	40.35	31.63	6.13	29.53	326	251	P	H
		5350.32	39.96	-14.04	54	31.96	31.4	6.12	29.52	326	251	A	H
		5128.86	51.99	-22.01	74	43.34	32.06	6.07	29.48	187	32	P	V
		5149.94	41.87	-12.13	54	33.18	32.1	6.08	29.49	187	32	A	V
	*	5300	113.04	-	-	105.04	31.4	6.11	29.51	187	32	P	V
	*	5300	106.12	-	-	98.12	31.4	6.11	29.51	187	32	A	V
		5357.52	51.52	-22.48	74	43.49	31.43	6.12	29.52	187	32	P	V
		5350.08	43.71	-10.29	54	35.71	31.4	6.12	29.52	187	32	A	V

802.11a CH 64 5320MHz	*	5320	108.68	-	-	100.68	31.4	6.12	29.52	303	249	P	H
	*	5320	101.82	-	-	93.82	31.4	6.12	29.52	303	249	A	H
		5350.4	52.25	-21.75	74	44.25	31.4	6.12	29.52	303	249	P	H
		5350.08	43.87	-10.13	54	35.87	31.4	6.12	29.52	303	249	A	H
	*	5320	113.9	-	-	105.9	31.4	6.12	29.52	187	31	P	V
	*	5320	107.01	-	-	99.01	31.4	6.12	29.52	187	31	A	V
		5350.24	59.01	-14.99	74	51.01	31.4	6.12	29.52	187	31	P	V
		5350.08	49.35	-4.65	54	41.35	31.4	6.12	29.52	187	31	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	58.52	-9.68	68.2	65.4	40	10	56.88	100	0	P	H
		15780	49.95	-24.05	74	55.69	37.84	12.78	56.36	100	0	P	H
		10520	57.27	-10.93	68.2	64.15	40	10	56.88	100	0	P	V
		15780	47.19	-26.81	74	52.93	37.84	12.78	56.36	100	0	P	V
802.11a CH 60 5300MHz		10600	60.99	-13.01	74	67.77	40	10.04	56.82	245	104	P	H
		10600	51.11	-2.89	54	57.89	40	10.04	56.82	245	104	A	H
		15900	47.26	-26.74	74	53.14	37.5	12.84	56.22	100	0	P	H
		10600	62.05	-11.95	74	68.83	40	10.04	56.82	395	16	P	V
		10600	51.13	-2.87	54	57.91	40	10.04	56.82	395	16	A	V
		15900	47.04	-26.96	74	52.92	37.5	12.84	56.22	100	0	P	V
802.11a CH 64 5320MHz		10640	63.38	-10.62	74	70.12	40	10.05	56.79	248	106	P	H
		10640	52.37	-1.63	54	59.11	40	10.05	56.79	248	106	A	H
		15960	45.8	-28.2	74	51.46	37.62	12.87	56.15	100	0	P	H
		10640	61.75	-12.25	74	68.49	40	10.05	56.79	400	15	P	V
		10640	51.6	-2.4	54	58.34	40	10.05	56.79	400	15	A	V
		15960	46.3	-27.7	74	51.96	37.62	12.87	56.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5085.34	50.72	-23.28	74	42.18	31.97	6.05	29.48	328	251	P	H
		5148.58	41.18	-12.82	54	32.49	32.1	6.08	29.49	328	251	A	H
	*	5260	107.05	-	-	98.97	31.48	6.11	29.51	328	251	P	H
	*	5260	98.83	-	-	90.75	31.48	6.11	29.51	328	251	A	H
802.11n		5362.08	48.07	-25.93	74	40.03	31.45	6.12	29.53	328	251	P	H
HT20		5371.44	38.56	-15.44	54	30.48	31.49	6.12	29.53	328	251	A	H
CH 52		5136.68	50.99	-23.01	74	42.32	32.07	6.08	29.48	205	37	P	V
5260MHz		5148.58	42.25	-11.75	54	33.56	32.1	6.08	29.49	205	37	A	V
	*	5260	111.54	-	-	103.46	31.48	6.11	29.51	205	37	P	V
	*	5260	103.32	-	-	95.24	31.48	6.11	29.51	205	37	A	V
		5373.6	50.87	-23.13	74	42.79	31.49	6.12	29.53	205	37	P	V
		5350.56	40.91	-13.09	54	32.91	31.4	6.12	29.52	205	37	A	V
		5049.64	50.22	-23.78	74	41.76	31.9	6.03	29.47	325	252	P	H
		5149.6	40.61	-13.39	54	31.92	32.1	6.08	29.49	325	252	A	H
	*	5300	107.71	-	-	99.71	31.4	6.11	29.51	325	252	P	H
	*	5300	99.19	-	-	91.19	31.4	6.11	29.51	325	252	A	H
802.11n		5363.04	49.48	-24.52	74	41.44	31.45	6.12	29.53	325	252	P	H
HT20		5350.32	39.74	-14.26	54	31.74	31.4	6.12	29.52	325	252	A	H
CH 60		5145.52	50.81	-23.19	74	42.13	32.09	6.08	29.49	189	32	P	V
5300MHz		5149.94	41.74	-12.26	54	33.05	32.1	6.08	29.49	189	32	A	V
	*	5300	112.43	-	-	104.43	31.4	6.11	29.51	189	32	P	V
	*	5300	104.03	-	-	96.03	31.4	6.11	29.51	189	32	A	V
		5351.76	51.08	-22.92	74	43.07	31.41	6.12	29.52	189	32	P	V
		5350.56	42.96	-11.04	54	34.96	31.4	6.12	29.52	189	32	A	V

802.11n HT20 CH 64 5320MHz	*	5320	107.36	-	-	99.36	31.4	6.12	29.52	305	250	P	H
	*	5320	99.09	-	-	91.09	31.4	6.12	29.52	305	250	A	H
		5350.72	50.83	-23.17	74	42.83	31.4	6.12	29.52	305	250	P	H
		5350.08	43.22	-10.78	54	35.22	31.4	6.12	29.52	305	250	A	H
	*	5320	112.92	-	-	104.92	31.4	6.12	29.52	186	32	P	V
	*	5320	104.05	-	-	96.05	31.4	6.12	29.52	186	32	A	V
		5355.68	54.64	-19.36	74	46.62	31.42	6.12	29.52	186	32	P	V
		5350.08	47.87	-6.13	54	39.87	31.4	6.12	29.52	186	32	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	55.76	-12.44	68.2	62.64	40	10	56.88	100	0	P	H
		15780	47.22	-26.78	74	52.96	37.84	12.78	56.36	100	0	P	H
		10520	54.42	-13.78	68.2	61.3	40	10	56.88	100	0	P	V
		15780	46.25	-27.75	74	51.99	37.84	12.78	56.36	100	0	P	V
802.11n HT20 CH 60 5300MHz		10600	60.85	-13.15	74	67.63	40	10.04	56.82	250	106	P	H
		10600	49.38	-4.62	54	56.16	40	10.04	56.82	250	106	A	H
		15900	46.37	-27.63	74	52.25	37.5	12.84	56.22	100	0	P	H
		10600	60.91	-13.09	74	67.69	40	10.04	56.82	393	16	P	V
		10600	49.59	-4.41	54	56.37	40	10.04	56.82	393	16	A	V
		15900	46.48	-27.52	74	52.36	37.5	12.84	56.22	100	0	P	V
802.11n HT20 CH 64 5320MHz		10640	61.71	-12.29	74	68.45	40	10.05	56.79	249	104	P	H
		10640	50.32	-3.68	54	57.06	40	10.05	56.79	249	104	A	H
		15960	46.18	-27.82	74	51.84	37.62	12.87	56.15	100	0	P	H
		10640	61.59	-12.41	74	68.33	40	10.05	56.79	400	16	P	V
		10640	50.1	-3.9	54	56.84	40	10.05	56.79	400	16	A	V
		15960	44.84	-29.16	74	50.5	37.62	12.87	56.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5105.4	51	-23	74	42.41	32.01	6.06	29.48	310	251	P	H
		5149.6	41.17	-12.83	54	32.48	32.1	6.08	29.49	310	251	A	H
	*	5270	103.6	-	-	95.54	31.46	6.11	29.51	310	251	P	H
	*	5270	95.64	-	-	87.58	31.46	6.11	29.51	310	251	A	H
		5379.84	48.19	-25.81	74	40.08	31.52	6.12	29.53	310	251	P	H
		5350.08	39.41	-14.59	54	31.41	31.4	6.12	29.52	310	251	A	H
		5137.36	51.15	-22.85	74	42.48	32.07	6.08	29.48	191	31	P	V
		5149.6	42.09	-11.91	54	33.4	32.1	6.08	29.49	191	31	A	V
	*	5270	108.06	-	-	100	31.46	6.11	29.51	191	31	P	V
	*	5270	100	-	-	91.94	31.46	6.11	29.51	191	31	A	V
		5353.92	51.37	-22.63	74	43.35	31.42	6.12	29.52	191	31	P	V
		5350.08	42.41	-11.59	54	34.41	31.4	6.12	29.52	191	31	A	V
802.11n HT40 CH 62 5310MHz		5057.12	50.27	-23.73	74	41.8	31.91	6.03	29.47	305	249	P	H
		5147.9	40.52	-13.48	54	31.83	32.1	6.08	29.49	305	249	A	H
	*	5310	102.44	-	-	94.44	31.4	6.12	29.52	305	249	P	H
	*	5310	93.94	-	-	85.94	31.4	6.12	29.52	305	249	A	H
		5351.04	55.16	-18.84	74	47.16	31.4	6.12	29.52	305	249	P	H
		5350.08	45.9	-8.1	54	37.9	31.4	6.12	29.52	305	249	A	H
		5054.74	50.98	-23.02	74	42.51	31.91	6.03	29.47	187	32	P	V
		5146.2	41.45	-12.55	54	32.77	32.09	6.08	29.49	187	32	A	V
	*	5310	108.34	-	-	100.34	31.4	6.12	29.52	187	32	P	V
	*	5310	99.27	-	-	91.27	31.4	6.12	29.52	187	32	A	V
		5351.76	61.41	-12.59	74	53.4	31.41	6.12	29.52	187	32	P	V
		5350.08	51.74	-2.26	54	43.74	31.4	6.12	29.52	187	32	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+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	54.15	-14.05	68.2	61.01	40	10.01	56.87	100	0	P	H
		15810	45	-29	74	50.76	37.77	12.8	56.33	100	0	P	H
		10540	51.98	-16.22	68.2	58.84	40	10.01	56.87	100	0	P	V
		15810	44.58	-29.42	74	50.34	37.77	12.8	56.33	100	0	P	V
802.11n HT40 CH 62 5310MHz		10620	55.81	-18.19	74	62.57	40	10.04	56.8	255	108	P	H
		10620	44.75	-9.25	54	51.51	40	10.04	56.8	255	108	A	H
		15930	46.14	-27.86	74	51.9	37.56	12.86	56.18	100	0	P	H
		10620	55.53	-18.47	74	62.29	40	10.04	56.8	400	15	P	V
		10620	44.16	-9.84	54	50.92	40	10.04	56.8	400	15	A	V
		15930	45.09	-28.91	74	50.85	37.56	12.86	56.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5147.56	50.43	-23.57	74	41.74	32.1	6.08	29.49	211	83	P	H
		5149.6	40.24	-13.76	54	31.55	32.1	6.08	29.49	211	83	A	H
	*	5290	98.58	-	-	90.56	31.42	6.11	29.51	211	83	P	H
	*	5290	90.97	-	-	82.95	31.42	6.11	29.51	211	83	A	H
		5362.08	58.32	-15.68	74	50.28	31.45	6.12	29.53	211	83	P	H
		5350.08	47.13	-6.87	54	39.13	31.4	6.12	29.52	211	83	A	H
		5139.4	50.54	-23.46	74	41.87	32.08	6.08	29.49	219	115	P	V
		5149.94	41.36	-12.64	54	32.67	32.1	6.08	29.49	219	115	A	V
	*	5290	104.02	-	-	96	31.42	6.11	29.51	219	115	P	V
	*	5290	96.01	-	-	87.99	31.42	6.11	29.51	219	115	A	V
		5350.56	61.02	-12.98	74	53.02	31.4	6.12	29.52	219	115	P	V
		5350.08	51.7	-2.3	54	43.7	31.4	6.12	29.52	219	115	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10580	48.05	-20.15	68.2	54.86	40	10.03	56.84	100	0	P	H
VHT80		15870	45.16	-28.84	74	51.01	37.59	12.82	56.26	100	0	P	H
CH 58		10580	48.55	-19.65	68.2	55.36	40	10.03	56.84	100	0	P	V
5290MHz		15870	43.58	-30.42	74	49.43	37.59	12.82	56.26	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5456.56	51.07	-22.93	74	42.62	31.81	6.18	29.54	100	293	P	H
		5468.72	59.71	-8.49	68.2	51.22	31.84	6.19	29.54	100	293	P	H
		5458.8	41.62	-12.38	54	33.16	31.82	6.18	29.54	100	293	A	H
	*	5500	108.01	-	-	99.44	31.9	6.22	29.55	100	293	P	H
	*	5500	100.68	-	-	92.11	31.9	6.22	29.55	100	293	A	H
		5459.92	55.56	-18.44	74	47.1	31.82	6.18	29.54	215	96	P	V
		5469.84	59.02	-9.18	68.2	50.53	31.84	6.19	29.54	215	96	P	V
		5459.6	45.16	-8.84	54	36.7	31.82	6.18	29.54	215	96	A	V
	*	5500	113.19	-	-	104.62	31.9	6.22	29.55	215	96	P	V
	*	5500	106.39	-	-	97.82	31.9	6.22	29.55	215	96	A	V
802.11a CH 116 5580MHz		5456.08	48.25	-25.75	74	39.8	31.81	6.18	29.54	201	117	P	H
		5460.88	48.58	-19.62	68.2	40.12	31.82	6.18	29.54	201	117	P	H
		5459.92	39.77	-14.23	54	31.31	31.82	6.18	29.54	201	117	A	H
	*	5580	107.94	-	-	99.29	31.9	6.3	29.55	201	117	P	H
	*	5580	101.01	-	-	92.36	31.9	6.3	29.55	201	117	A	H
		5761.85	48.72	-19.48	68.2	39.75	32.15	6.38	29.56	201	117	P	H
		5452.24	52.83	-21.17	74	44.4	31.8	6.17	29.54	214	96	P	V
		5468.08	51.13	-17.07	68.2	42.64	31.84	6.19	29.54	214	96	P	V
		5459.92	42.8	-11.2	54	34.34	31.82	6.18	29.54	214	96	A	V
	*	5580	114.35	-	-	105.7	31.9	6.3	29.55	214	96	P	V
	*	5580	107.26	-	-	98.61	31.9	6.3	29.55	214	96	A	V
		5731.925	50.78	-17.42	68.2	41.9	32.06	6.37	29.55	214	96	P	V

802.11a CH 140 5700MHz	*	5700	108.67	-	-	99.86	32	6.36	29.55	103	297	P	H
	*	5700	101.45	-	-	92.64	32	6.36	29.55	103	297	A	H
		5725.4	61.13	-7.07	68.2	52.26	32.05	6.37	29.55	103	297	P	H
	*	5700	114.29	-	-	105.48	32	6.36	29.55	100	32	P	V
	*	5700	107.43	-	-	98.62	32	6.36	29.55	100	32	A	V
		5728.6	65.62	-2.58	68.2	56.74	32.06	6.37	29.55	100	32	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	62.3	-11.7	74	68.28	40.3	10.22	56.5	256	100	P	H
		11000	51.23	-2.77	54	57.21	40.3	10.22	56.5	256	100	A	H
		16500	46.08	-22.12	68.2	49.79	39.2	12.79	55.7	100	0	P	H
		11000	60.91	-13.09	74	66.89	40.3	10.22	56.5	342	11	P	V
		11000	49.16	-4.84	54	55.14	40.3	10.22	56.5	342	11	A	V
		16500	45.63	-22.57	68.2	49.34	39.2	12.79	55.7	100	0	P	V
802.11a CH 116 5580MHz		11160	62.3	-11.7	74	68.56	39.88	10.3	56.44	249	83	P	H
		11160	51.23	-2.77	54	57.49	39.88	10.3	56.44	249	83	A	H
		16740	46.77	-21.43	68.2	49.88	40.04	12.74	55.89	100	0	P	H
		11160	61.68	-12.32	74	67.94	39.88	10.3	56.44	369	10	P	V
		11160	51.03	-2.97	54	57.29	39.88	10.3	56.44	369	10	A	V
		16740	47.06	-21.14	68.2	50.17	40.04	12.74	55.89	100	0	P	V
802.11a CH 140 5700MHz		11400	61.7	-12.3	74	67.72	39.9	10.42	56.34	290	24	P	H
		11400	51.25	-2.75	54	57.27	39.9	10.42	56.34	290	24	A	H
		17100	49	-19.2	68.2	52.3	40.2	12.8	56.3	100	0	P	H
		11400	59.99	-14.01	74	66.01	39.9	10.42	56.34	314	325	P	V
		11400	50.02	-3.98	54	56.04	39.9	10.42	56.34	314	325	A	V
		17100	48.27	-19.93	68.2	51.57	40.2	12.8	56.3	100	0	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 HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5420.4	50.97	-23.03	74	42.69	31.68	6.14	29.54	100	292	P	H
		5468.24	55.91	-12.29	68.2	47.42	31.84	6.19	29.54	100	292	P	H
		5460	43.3	-10.7	54	34.84	31.82	6.18	29.54	100	292	A	H
802.11n	*	5500	108.41	-	-	99.84	31.9	6.22	29.55	100	292	P	H
HT20	*	5500	99.98	-	-	91.41	31.9	6.22	29.55	100	292	A	H
CH 100		5458.64	57.6	-16.4	74	49.14	31.82	6.18	29.54	216	101	P	V
5500MHz		5468.24	58.95	-9.25	68.2	50.46	31.84	6.19	29.54	216	101	P	V
		5460	46.49	-7.51	54	38.03	31.82	6.18	29.54	216	101	A	V
	*	5500	113.04	-	-	104.47	31.9	6.22	29.55	216	101	P	V
	*	5500	104.58	-	-	96.01	31.9	6.22	29.55	216	101	A	V
		5458.72	49.78	-24.22	74	41.32	31.82	6.18	29.54	201	122	P	H
		5470	49.23	-18.97	68.2	40.74	31.84	6.19	29.54	201	122	P	H
		5459.92	40.21	-13.79	54	31.75	31.82	6.18	29.54	201	122	A	H
	*	5580	108.13	-	-	99.48	31.9	6.3	29.55	201	122	P	H
802.11n	*	5580	99.45	-	-	90.8	31.9	6.3	29.55	201	122	A	H
HT20		5730.35	48.27	-19.93	68.2	39.39	32.06	6.37	29.55	201	122	P	H
CH 116		5437.84	52.73	-21.27	74	44.36	31.75	6.16	29.54	205	22	P	V
5580MHz		5462.8	52.95	-15.25	68.2	44.48	31.83	6.18	29.54	205	22	P	V
		5459.92	43.06	-10.94	54	34.6	31.82	6.18	29.54	205	22	A	V
	*	5580	113.9	-	-	105.25	31.9	6.3	29.55	205	22	P	V
	*	5580	105.19	-	-	96.54	31.9	6.3	29.55	205	22	A	V
		5725.94	52.05	-16.15	68.2	43.18	32.05	6.37	29.55	205	22	P	V

802.11n HT20 CH 140 5700MHz	*	5700	107.93	-	-	99.12	32	6.36	29.55	204	124	P	H
	*	5700	99.29	-	-	90.48	32	6.36	29.55	204	124	A	H
		5725	58.99	-9.21	68.2	50.12	32.05	6.37	29.55	204	124	P	H
	*	5700	113.87	-	-	105.06	32	6.36	29.55	224	16	P	V
	*	5700	105.25	-	-	96.44	32	6.36	29.55	224	16	A	V
		5725.4	65.82	-2.38	68.2	56.95	32.05	6.37	29.55	224	16	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 HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	59.11	-14.89	74	65.09	40.3	10.22	56.5	198	34	P	H
		11000	49.43	-4.57	54	55.41	40.3	10.22	56.5	198	34	A	H
		16500	46.42	-21.78	68.2	50.13	39.2	12.79	55.7	100	0	P	H
		11000	58	-16	74	63.98	40.3	10.22	56.5	210	97	P	V
		11000	46.86	-7.14	54	52.84	40.3	10.22	56.5	210	97	A	V
		16500	46.61	-21.59	68.2	50.32	39.2	12.79	55.7	100	0	P	V
802.11n HT20 CH 116 5580MHz		11160	62.69	-11.31	74	68.95	39.88	10.3	56.44	191	25	P	H
		11160	52.34	-1.66	54	58.6	39.88	10.3	56.44	191	25	A	H
		16740	47.36	-20.84	68.2	50.47	40.04	12.74	55.89	100	0	P	H
		11160	62.86	-11.14	74	69.12	39.88	10.3	56.44	258	24	P	V
		11160	52.35	-1.65	54	58.61	39.88	10.3	56.44	258	24	A	V
		16740	47.78	-20.42	68.2	50.89	40.04	12.74	55.89	100	0	P	V
802.11n HT20 CH 140 5700MHz		11400	60.58	-13.42	74	66.6	39.9	10.42	56.34	245	23	P	H
		11400	50.04	-3.96	54	56.06	39.9	10.42	56.34	245	23	A	H
		17100	48.49	-19.71	68.2	51.79	40.2	12.8	56.3	100	0	P	H
		11400	60.1	-13.9	74	66.12	39.9	10.42	56.34	321	327	P	V
		11400	48.8	-5.2	54	54.82	39.9	10.42	56.34	321	327	A	V
		17100	48.97	-19.23	68.2	52.27	40.2	12.8	56.3	100	0	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	52.88	-21.12	74	44.42	31.82	6.18	29.54	208	108	P	H
		5469.28	59.96	-8.24	68.2	51.47	31.84	6.19	29.54	208	108	P	H
		5459.92	45.02	-8.98	54	36.56	31.82	6.18	29.54	208	108	A	H
	*	5510	103.02	-	-	94.44	31.9	6.23	29.55	208	108	P	H
802.11n	*	5510	94.19	-	-	85.61	31.9	6.23	29.55	208	108	A	H
HT40		5727.515	48.31	-19.89	68.2	39.43	32.06	6.37	29.55	208	108	P	H
CH 102		5454.4	60.09	-13.91	74	51.65	31.81	6.17	29.54	214	24	P	V
5510MHz		5469.52	66.24	-1.96	68.2	57.75	31.84	6.19	29.54	214	24	P	V
		5459.92	51.51	-2.49	54	43.05	31.82	6.18	29.54	214	24	A	V
	*	5510	108.65	-	-	100.07	31.9	6.23	29.55	214	24	P	V
	*	5510	99.79	-	-	91.21	31.9	6.23	29.55	214	24	A	V
		5736.02	48.96	-19.24	68.2	40.07	32.07	6.37	29.55	214	24	P	V
		5446	48.95	-25.05	74	40.54	31.78	6.17	29.54	192	113	P	H
		5461.36	50.01	-18.19	68.2	41.55	31.82	6.18	29.54	192	113	P	H
		5459.44	40.06	-13.94	54	31.6	31.82	6.18	29.54	192	113	A	H
	*	5550	103.84	-	-	95.22	31.9	6.27	29.55	192	113	P	H
802.11n	*	5550	95.23	-	-	86.61	31.9	6.27	29.55	192	113	A	H
HT40		5753.345	48.52	-19.68	68.2	39.59	32.11	6.38	29.56	192	113	P	H
CH 110		5459.2	53.06	-20.94	74	44.6	31.82	6.18	29.54	210	24	P	V
5550MHz		5469.76	53.1	-15.1	68.2	44.61	31.84	6.19	29.54	210	24	P	V
		5459.92	43.15	-10.85	54	34.69	31.82	6.18	29.54	210	24	A	V
	*	5550	109.13	-	-	100.51	31.9	6.27	29.55	210	24	P	V
	*	5550	100.66	-	-	92.04	31.9	6.27	29.55	210	24	A	V
		5746.1	49.5	-18.7	68.2	40.58	32.09	6.38	29.55	210	24	P	V

		5449.4	47.81	-26.19	74	39.38	31.8	6.17	29.54	227	70	P	H
		5466.9	46.78	-21.42	68.2	38.3	31.83	6.19	29.54	227	70	P	H
		5458.5	38.84	-15.16	54	30.38	31.82	6.18	29.54	227	70	A	H
	*	5670	103.07	-	-	94.33	31.94	6.35	29.55	227	70	P	H
802.11n	*	5670	94.46	-	-	85.72	31.94	6.35	29.55	227	70	A	H
HT40		5730.665	52.21	-15.99	68.2	43.33	32.06	6.37	29.55	227	70	P	H
CH 134		5457.1	50.17	-23.83	74	41.72	31.81	6.18	29.54	227	20	P	V
5670MHz		5464.1	49.99	-18.21	68.2	41.52	31.83	6.18	29.54	227	20	P	V
		5459.9	40.48	-13.52	54	32.02	31.82	6.18	29.54	227	20	A	V
	*	5670	109.96	-	-	101.22	31.94	6.35	29.55	227	20	P	V
	*	5670	101.16	-	-	92.42	31.94	6.35	29.55	227	20	A	V
		5725.31	58.27	-9.93	68.2	49.4	32.05	6.37	29.55	227	20	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+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	57.98	-16.02	74	64	40.24	10.23	56.49	205	26	P	H
802.11n		11020	46.39	-7.61	54	52.41	40.24	10.23	56.49	205	26	A	H
HT40		16530	45.52	-22.68	68.2	49.25	39.2	12.79	55.72	100	0	P	H
CH 102		11020	57.72	-16.28	74	63.74	40.24	10.23	56.49	255	27	P	V
5510MHz		11020	46.35	-7.65	54	52.37	40.24	10.23	56.49	255	27	A	V
		16530	45.84	-22.36	68.2	49.57	39.2	12.79	55.72	100	0	P	V
		11100	57.53	-16.47	74	63.72	40	10.27	56.46	200	24	P	H
802.11n		11100	47.74	-6.26	54	53.93	40	10.27	56.46	200	24	A	H
HT40		16650	46.36	-21.84	68.2	49.91	39.5	12.77	55.82	100	0	P	H
CH 110		11100	58.81	-15.19	74	65	40	10.27	56.46	261	28	P	V
5550MHz		11100	47.8	-6.2	54	53.99	40	10.27	56.46	261	28	A	V
		16650	47.25	-20.95	68.2	50.8	39.5	12.77	55.82	100	0	P	V
		11340	57.13	-16.87	74	63.26	39.84	10.39	56.36	199	23	P	H
802.11n		11340	46.71	-7.29	54	52.84	39.84	10.39	56.36	199	23	A	H
HT40		17010	47.58	-20.62	68.2	50.89	40.11	10.52	56.12	100	0	P	H
CH 134		11340	58.22	-15.78	74	64.35	39.84	10.39	56.36	253	24	P	V
5670MHz		11340	48.45	-5.55	54	54.58	39.84	10.39	56.36	253	24	A	V
		17010	47.64	-20.56	68.2	50.95	40.11	10.52	56.12	100	0	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.96	57.91	-16.09	74	49.45	31.82	6.18	29.54	229	271	P	H
		5468.56	57.62	-10.58	68.2	49.13	31.84	6.19	29.54	229	271	P	H
		5459.92	46.52	-7.48	54	38.06	31.82	6.18	29.54	229	271	A	H
	*	5530	96.71	-	-	88.11	31.9	6.25	29.55	229	271	P	H
802.11ac	*	5530	88.43	-	-	79.83	31.9	6.25	29.55	229	271	A	H
VHT80		5750.195	47.62	-20.58	68.2	38.7	32.1	6.38	29.56	229	271	P	H
CH 106		5450.8	61.94	-12.06	74	53.51	31.8	6.17	29.54	203	117	P	V
5530MHz		5468.56	66.34	-1.86	68.2	57.85	31.84	6.19	29.54	203	117	P	V
		5459.92	52.57	-1.43	54	44.11	31.82	6.18	29.54	203	117	A	V
	*	5530	102.71	-	-	94.11	31.9	6.25	29.55	203	117	P	V
	*	5530	94.51	-	-	85.91	31.9	6.25	29.55	203	117	A	V
		5732.24	47.7	-20.5	68.2	38.82	32.06	6.37	29.55	203	117	P	V
		5455.84	48.4	-25.6	74	39.95	31.81	6.18	29.54	226	217	P	H
		5464.96	49.54	-18.66	68.2	41.07	31.83	6.18	29.54	226	217	P	H
		5459.92	39.83	-14.17	54	31.37	31.82	6.18	29.54	226	217	A	H
	*	5610	100.84	-	-	92.17	31.9	6.32	29.55	226	217	P	H
802.11ac	*	5610	91.72	-	-	83.05	31.9	6.32	29.55	226	217	A	H
VHT80		5732.87	50.56	-17.64	68.2	41.67	32.07	6.37	29.55	226	217	P	H
CH 122		5459.68	54.47	-19.53	74	46.01	31.82	6.18	29.54	198	100	P	V
5610MHz		5468.56	53.25	-14.95	68.2	44.76	31.84	6.19	29.54	198	100	P	V
		5459.92	43.24	-10.76	54	34.78	31.82	6.18	29.54	198	100	A	V
	*	5610	107.13	-	-	98.46	31.9	6.32	29.55	198	100	P	V
	*	5610	97.75	-	-	89.08	31.9	6.32	29.55	198	100	A	V
		5727.2	56	-12.2	68.2	47.13	32.05	6.37	29.55	198	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	48.86	-25.14	74	54.97	40.12	10.25	56.48	100	0	P	H
		16590	46.4	-21.8	68.2	50.2	39.2	10.41	55.77	100	0	P	H
		11060	52.46	-21.54	74	58.57	40.12	10.25	56.48	262	25	P	V
		11060	40.93	-13.07	54	47.04	40.12	10.25	56.48	262	25	A	V
		16590	46.4	-21.8	68.2	50.2	39.2	10.41	55.77	100	0	P	V
802.11ac VHT80 CH 122 5610MHz		11220	55.17	-18.83	74	61.45	39.8	10.33	56.41	188	24	P	H
		11220	44.73	-9.27	54	51.01	39.8	10.33	56.41	188	24	A	H
		16830	46.96	-21.24	68.2	49.88	40.31	10.48	55.96	100	0	P	H
		11220	54.16	-19.84	74	60.44	39.8	10.33	56.41	222	22	P	V
		11220	44.13	-9.87	54	50.41	39.8	10.33	56.41	222	22	A	V
		16830	46.5	-21.7	68.2	49.42	40.31	10.48	55.96	100	0	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 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5457.64	48.92	-25.08	74	40.46	31.82	6.18	29.54	200	120	P	H
		5466.61	47.4	-20.8	68.2	38.92	31.83	6.19	29.54	200	120	P	H
		5458.81	39.13	-14.87	54	30.67	31.82	6.18	29.54	200	120	A	H
	*	5720	110.04	-	-	101.18	32.04	6.37	29.55	200	120	P	H
	*	5720	102.51	-	-	93.65	32.04	6.37	29.55	200	120	A	H
		5923.75	51.24	-16.96	68.2	41.75	32.55	6.5	29.56	200	120	P	H
		5431.51	50.06	-23.94	74	41.72	31.73	6.15	29.54	213	89	P	V
		5464.27	49.25	-18.95	68.2	40.78	31.83	6.18	29.54	213	89	P	V
		5459.59	40.43	-13.57	54	31.97	31.82	6.18	29.54	213	89	A	V
	*	5720	115.81	-	-	106.95	32.04	6.37	29.55	213	89	P	V
	*	5720	108.4	-	-	99.54	32.04	6.37	29.55	213	89	A	V
		5918.25	51.62	-16.58	68.2	42.15	32.54	6.49	29.56	213	89	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	63.44	-10.56	74	69.35	39.98	10.43	56.32	286	23	P	H
		11440	51.03	-2.97	54	56.94	39.98	10.43	56.32	286	23	A	H
		17160	48.05	-20.15	68.2	51.53	40.08	12.86	56.42	100	0	P	H
		11440	60.82	-13.18	74	66.73	39.98	10.43	56.32	319	326	P	V
		11440	49.62	-4.38	54	55.53	39.98	10.43	56.32	319	326	A	V
		17160	48.54	-19.66	68.2	52.02	40.08	12.86	56.42	100	0	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5431.9	48.27	-25.73	74	39.93	31.73	6.15	29.54	198	107	P	H
		5466.61	47.83	-20.37	68.2	39.35	31.83	6.19	29.54	198	107	P	H
		5459.98	39.03	-14.97	54	30.57	31.82	6.18	29.54	198	107	A	H
	*	5720	106.95	-	-	98.09	32.04	6.37	29.55	198	107	P	H
	*	5720	98.97	-	-	90.11	32.04	6.37	29.55	198	107	A	H
		5931.75	49.18	-19.02	68.2	39.67	32.56	6.51	29.56	198	107	P	H
		5441.65	49.71	-24.29	74	41.32	31.77	6.16	29.54	220	93	P	V
		5461.15	49.23	-18.97	68.2	40.77	31.82	6.18	29.54	220	93	P	V
		5459.98	40.25	-13.75	54	31.79	31.82	6.18	29.54	206	94	A	V
	*	5720	112.97	-	-	104.11	32.04	6.37	29.55	220	93	P	V
	*	5720	104.51	-	-	95.65	32.04	6.37	29.55	220	93	A	V
		5893.75	49.96	-18.24	68.2	40.56	32.49	6.47	29.56	220	93	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+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	60.37	-13.63	74	66.28	39.98	10.43	56.32	307	51	P	H
		11440	48.31	-5.69	54	54.22	39.98	10.43	56.32	307	51	A	H
		17160	47.58	-20.62	68.2	51.06	40.08	12.86	56.42	100	0	P	H
		11440	60.7	-13.3	74	66.61	39.98	10.43	56.32	100	326	P	V
		11440	48.82	-5.18	54	54.73	39.98	10.43	56.32	100	326	A	V
		17160	47.45	-20.75	68.2	50.93	40.08	12.86	56.42	100	0	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5449.84	47.91	-26.09	74	39.48	31.8	6.17	29.54	232	73	P	H
		5468.56	46.9	-21.3	68.2	38.41	31.84	6.19	29.54	232	73	P	H
		5459.59	38.91	-15.09	54	30.45	31.82	6.18	29.54	232	73	A	H
	*	5710	101.95	-	-	93.12	32.02	6.36	29.55	232	73	P	H
	*	5710	93.24	-	-	84.41	32.02	6.36	29.55	232	73	A	H
		5902.5	50.28	-17.92	68.2	40.85	32.51	6.48	29.56	232	73	P	H
		5431.51	48.74	-25.26	74	40.4	31.73	6.15	29.54	237	18	P	V
		5461.93	48.64	-19.56	68.2	40.18	31.82	6.18	29.54	237	18	P	V
		5459.98	39.75	-14.25	54	31.29	31.82	6.18	29.54	237	18	A	V
	*	5710	108.84	-	-	100.01	32.02	6.36	29.55	237	18	P	V
	*	5710	100.34	-	-	91.51	32.02	6.36	29.55	237	18	A	V
		5859	50.15	-18.05	68.2	40.84	32.42	6.45	29.56	237	18	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+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	55.11	-18.89	74	61.08	39.94	10.42	56.33	191	23	P	H
		11420	45.13	-8.87	54	51.1	39.94	10.42	56.33	191	23	A	H
		17130	46.69	-21.51	68.2	50.07	40.14	10.56	56.36	100	0	P	H
		11420	59.48	-14.52	74	65.45	39.94	10.42	56.33	257	23	P	V
		11420	47.82	-6.18	54	53.79	39.94	10.42	56.33	257	23	A	V
		17130	47.8	-20.4	68.2	51.18	40.14	10.56	56.36	100	0	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5379.25	48.07	-25.93	74	39.96	31.52	6.12	29.53	100	123	P	H
		5469.73	48.54	-19.66	68.2	40.05	31.84	6.19	29.54	100	123	P	H
		5459.98	38.9	-15.1	54	30.44	31.82	6.18	29.54	100	123	A	H
	*	5690	100.5	-	-	91.71	31.98	6.36	29.55	100	123	P	H
	*	5690	92.3	-	-	83.51	31.98	6.36	29.55	100	123	A	H
		5926.3	49.03	-19.17	68.2	39.54	32.55	6.5	29.56	100	123	P	H
		5377.3	49.25	-24.75	74	41.15	31.51	6.12	29.53	238	17	P	V
		5466.61	49.18	-19.02	68.2	40.7	31.83	6.19	29.54	238	17	P	V
		5459.59	39.95	-14.05	54	31.49	31.82	6.18	29.54	238	17	A	V
	*	5690	108.11	-	-	99.32	31.98	6.36	29.55	238	17	P	V
	*	5690	99.74	-	-	90.95	31.98	6.36	29.55	238	17	A	V
		5851.3	52.16	-16.04	68.2	42.88	32.4	6.44	29.56	238	17	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	51.39	-22.61	74	57.45	39.88	10.41	56.35	200	19	P	H
		11380	40.75	-13.25	54	46.81	39.88	10.41	56.35	200	19	A	H
		17070	47.85	-20.35	68.2	51.15	40.17	10.54	56.24	100	0	P	H
		11380	53.98	-20.02	74	60.04	39.88	10.41	56.35	261	50	P	V
		11380	43.53	-10.47	54	49.59	39.88	10.41	56.35	261	50	A	V
		17070	48.45	-19.75	68.2	51.75	40.17	10.54	56.24	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		64.92	19.91	-20.09	40	39.84	11.7	0.64	32.27	-	-	P	H
		126.03	35.28	-8.22	43.5	49.3	17.2	0.67	32.19	100	0	P	H
		270.56	26.55	-19.45	46	38.64	18.67	0.7	32.15	-	-	P	H
		368.53	32.33	-13.67	46	42.43	20.44	0.68	32.16	-	-	P	H
		665.35	30.17	-15.83	46	34.1	26	0.71	32.14	-	-	P	H
		956.35	34.07	-11.93	46	31.69	30.63	0.82	30.93	-	-	P	H
		127.97	35.02	-8.48	43.5	49.04	17.2	0.67	32.19	100	0	P	V
		163.86	24.83	-18.67	43.5	40.09	15.81	0.7	32.17	-	-	P	V
		368.53	27.03	-18.97	46	37.13	20.44	0.68	32.16	-	-	P	V
		399.57	30.09	-15.91	46	38.99	21.49	0.68	32.16	-	-	P	V
		538.28	32.31	-13.69	46	38.72	23.83	0.69	32.2	-	-	P	V
		962.17	33.93	-20.07	54	31.46	30.66	0.82	30.88	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5147.42	52.15	-21.85	74	43.47	32.09	6.08	29.49	186	18	P	H
		5149.76	45.76	-8.24	54	37.07	32.1	6.08	29.49	186	18	A	H
802.11ac	*	5180	109.43	-	-	100.9	31.92	6.1	29.49	186	18	P	H
VHT20	*	5180	102.77	-	-	94.24	31.92	6.1	29.49	186	18	A	H
CH 36		5149.24	57.35	-16.65	74	48.66	32.1	6.08	29.49	228	102	P	V
5180MHz		5149.76	49.61	-4.39	54	40.92	32.1	6.08	29.49	228	102	A	V
	*	5180	113.91	-	-	105.38	31.92	6.1	29.49	228	102	P	V
	*	5180	106.78	-	-	98.25	31.92	6.1	29.49	228	102	A	V
		5078.52	51.01	-22.99	74	42.48	31.96	6.04	29.47	233	335	P	H
		5144.04	42.62	-11.38	54	33.94	32.09	6.08	29.49	233	335	A	H
	*	5220	111.2	-	-	102.91	31.68	6.11	29.5	233	335	P	H
	*	5220	103.06	-	-	94.77	31.68	6.11	29.5	233	335	A	H
802.11ac		5455.24	47.57	-26.43	74	39.12	31.81	6.18	29.54	233	335	P	H
VHT20		5350	39.19	-14.81	54	31.19	31.4	6.12	29.52	233	335	A	H
CH 44		5121.94	51.24	-22.76	74	42.61	32.04	6.07	29.48	234	31	P	V
5220MHz		5143.78	49.17	-4.83	54	40.49	32.09	6.08	29.49	234	31	A	V
	*	5220	114	-	-	105.71	31.68	6.11	29.5	234	31	P	V
	*	5220	107.25	-	-	98.96	31.68	6.11	29.5	234	31	A	V
		5356.4	49.73	-24.27	74	41.7	31.43	6.12	29.52	234	31	P	V
		5351.08	40.71	-13.29	54	32.71	31.4	6.12	29.52	234	31	A	V

		5150	52.21	-21.79	74	43.52	32.1	6.08	29.49	233	337	P	H
		5128.18	42.53	-11.47	54	33.88	32.06	6.07	29.48	233	337	A	H
	*	5240	110.5	-	-	102.33	31.56	6.11	29.5	233	337	P	H
	*	5240	102.84	-	-	94.67	31.56	6.11	29.5	233	337	A	H
802.11ac		5377.4	48.55	-25.45	74	40.45	31.51	6.12	29.53	233	337	P	H
VHT20		5351.36	39.25	-14.75	54	31.24	31.41	6.12	29.52	233	337	A	H
CH 48		5141.18	52.27	-21.73	74	43.6	32.08	6.08	29.49	237	110	P	V
5240MHz		5129.48	43.52	-10.48	54	34.87	32.06	6.07	29.48	237	110	A	V
	*	5240	113.48	-	-	105.31	31.56	6.11	29.5	237	110	P	V
	*	5240	106.18	-	-	98.01	31.56	6.11	29.5	237	110	A	V
		5455.24	49.9	-24.1	74	41.45	31.81	6.18	29.54	237	110	P	V
		5351.64	41.3	-12.7	54	33.29	31.41	6.12	29.52	237	110	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10360	52.01	-16.19	68.2	59.42	39.64	9.91	56.96	100	0	P	H
VHT20		15540	45.38	-28.62	74	51.08	38.3	12.65	56.65	100	0	P	H
CH 36		10360	52.4	-15.8	68.2	59.81	39.64	9.91	56.96	100	0	P	V
5180MHz		15540	44.68	-29.32	74	50.38	38.3	12.65	56.65	100	0	P	V
802.11ac		10440	52.9	-15.3	68.2	59.99	39.88	9.95	56.92	100	0	P	H
VHT20		15660	45.29	-28.71	74	51.08	38	12.72	56.51	100	0	P	H
CH 44		10440	52.86	-15.34	68.2	59.95	39.88	9.95	56.92	100	0	P	V
5220MHz		15660	44.68	-29.32	74	50.47	38	12.72	56.51	100	0	P	V
802.11ac		10480	47.54	-20.66	68.2	54.52	39.96	9.97	56.91	100	0	P	H
VHT20		15720	44.53	-29.47	74	50.27	37.96	12.74	56.44	100	0	P	H
CH 48		10480	47.78	-20.42	68.2	54.76	39.96	9.97	56.91	100	0	P	V
5240MHz		15720	45.1	-28.9	74	50.84	37.96	12.74	56.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.5	64.15	-9.85	74	55.46	32.1	6.08	29.49	237	339	P	H
		5150	52.09	-1.91	54	43.4	32.1	6.08	29.49	237	339	A	H
	*	5190	106.08	-	-	97.61	31.86	6.1	29.49	237	339	P	H
	*	5190	98.48	-	-	90.01	31.86	6.1	29.49	237	339	A	H
802.11ac		5375.44	46.83	-27.17	74	38.74	31.5	6.12	29.53	237	339	P	H
VHT40		5457.48	38.56	-15.44	54	30.11	31.81	6.18	29.54	237	339	A	H
CH 38		5149.76	58.75	-15.25	74	50.06	32.1	6.08	29.49	247	32	P	V
5190MHz		5149.5	50.15	-3.85	54	41.46	32.1	6.08	29.49	247	32	A	V
	*	5190	110.28	-	-	101.81	31.86	6.1	29.49	247	32	P	V
	*	5190	103.11	-	-	94.64	31.86	6.1	29.49	247	32	A	V
		5415.2	48.73	-25.27	74	40.46	31.66	6.14	29.53	247	32	P	V
		5350	39.73	-14.27	54	31.73	31.4	6.12	29.52	247	32	A	V
		5064.48	52.1	-21.9	74	43.6	31.93	6.04	29.47	245	338	P	H
		5149.5	43.24	-10.76	54	34.55	32.1	6.08	29.49	245	338	A	H
	*	5230	107.24	-	-	99.01	31.62	6.11	29.5	245	338	P	H
	*	5230	99.65	-	-	91.42	31.62	6.11	29.5	245	338	A	H
802.11ac		5428.36	47.78	-26.22	74	39.46	31.71	6.15	29.54	245	338	P	H
VHT40		5355.84	38.85	-15.15	54	30.83	31.42	6.12	29.52	245	338	A	H
CH 46		5143.52	53.28	-20.72	74	44.6	32.09	6.08	29.49	263	39	P	V
5230MHz		5150	44.84	-9.16	54	36.15	32.1	6.08	29.49	263	39	A	V
	*	5230	112.79	-	-	104.56	31.62	6.11	29.5	263	39	P	V
	*	5230	105.81	-	-	97.58	31.62	6.11	29.5	263	39	A	V
		5357.24	49.45	-24.55	74	41.42	31.43	6.12	29.52	263	39	P	V
		5355.84	40.06	-13.94	54	32.04	31.42	6.12	29.52	263	39	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10380	45.99	-22.21	68.2	53.3	39.72	9.92	56.95	100	0	P	H
VHT40		15570	43.77	-30.23	74	49.58	38.15	12.66	56.62	100	0	P	H
CH 38		10380	45.85	-22.35	68.2	53.16	39.72	9.92	56.95	100	0	P	V
5190MHz		15570	44.97	-29.03	74	50.78	38.15	12.66	56.62	100	0	P	V
802.11ac		10460	50.78	-17.42	68.2	57.82	39.92	9.96	56.92	100	0	P	H
VHT40		15690	43.39	-30.61	74	49.14	38	12.72	56.47	100	0	P	H
CH 46		10460	51.74	-16.46	68.2	58.78	39.92	9.96	56.92	100	0	P	V
5230MHz		15690	42.35	-31.65	74	48.1	38	12.72	56.47	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.24	52.34	-21.66	74	43.65	32.1	6.08	29.49	330	99	P	H
		5150	45.27	-8.73	54	36.58	32.1	6.08	29.49	330	99	A	H
	*	5210	102.54	-	-	94.19	31.74	6.11	29.5	330	99	P	H
	*	5210	94.85	-	-	86.5	31.74	6.11	29.5	330	99	A	H
		5420.8	48.12	-25.88	74	39.84	31.68	6.14	29.54	330	99	P	H
		5459.44	38.55	-15.45	54	30.09	31.82	6.18	29.54	330	99	A	H
		5140.4	62.8	-11.2	74	54.13	32.08	6.08	29.49	232	35	P	V
		5144.3	53.33	-0.67	54	44.65	32.09	6.08	29.49	232	35	A	V
	*	5210	103.22	-	-	94.87	31.74	6.11	29.5	232	35	P	V
	*	5210	95.65	-	-	87.3	31.74	6.11	29.5	232	35	A	V
		5434.24	48.56	-25.44	74	40.21	31.74	6.15	29.54	232	35	P	V
		5350.24	39.59	-14.41	54	31.59	31.4	6.12	29.52	232	35	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10420	46.29	-21.91	68.2	53.44	39.84	9.94	56.93	100	0	P	H
VHT80		15630	43.67	-30.33	74	49.51	38	12.7	56.54	100	0	P	H
CH 42		10420	46.54	-21.66	68.2	53.69	39.84	9.94	56.93	100	0	P	V
5210MHz		15630	44.8	-29.2	74	50.64	38	12.7	56.54	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5119.34	50.88	-23.12	74	42.25	32.04	6.07	29.48	200	354	P	H
		5148.24	41.96	-12.04	54	33.27	32.1	6.08	29.49	200	354	A	H
	*	5260	110.14	-	-	102.06	31.48	6.11	29.51	200	354	P	H
	*	5260	102.4	-	-	94.32	31.48	6.11	29.51	200	354	A	H
802.11ac		5445.6	48.99	-25.01	74	40.58	31.78	6.17	29.54	200	354	P	H
VHT20		5355.84	39.51	-14.49	54	31.49	31.42	6.12	29.52	200	354	A	H
CH 52		5122.74	52.47	-21.53	74	43.83	32.05	6.07	29.48	225	83	P	V
5260MHz		5147.56	43.92	-10.08	54	35.23	32.1	6.08	29.49	225	83	A	V
	*	5260	115.46	-	-	107.38	31.48	6.11	29.51	225	83	P	V
	*	5260	107.6	-	-	99.52	31.48	6.11	29.51	225	83	A	V
		5364	51.32	-22.68	74	43.27	31.46	6.12	29.53	225	83	P	V
		5351.04	42.49	-11.51	54	34.49	31.4	6.12	29.52	225	83	A	V
		5068.34	49.8	-24.2	74	41.29	31.94	6.04	29.47	195	77	P	H
		5149.6	40.76	-13.24	54	32.07	32.1	6.08	29.49	195	77	A	H
	*	5300	109.05	-	-	101.05	31.4	6.11	29.51	195	77	P	H
	*	5300	101.52	-	-	93.52	31.4	6.11	29.51	195	77	A	H
802.11ac		5350.32	49.81	-24.19	74	41.81	31.4	6.12	29.52	195	77	P	H
VHT20		5354.16	41.2	-12.8	54	33.18	31.42	6.12	29.52	195	77	A	H
CH 60		5148.92	51.61	-22.39	74	42.92	32.1	6.08	29.49	224	99	P	V
5300MHz		5148.58	42.75	-11.25	54	34.06	32.1	6.08	29.49	224	99	A	V
	*	5300	114.52	-	-	106.52	31.4	6.11	29.51	224	99	P	V
	*	5300	107.14	-	-	99.14	31.4	6.11	29.51	224	99	A	V
		5363.04	52.73	-21.27	74	44.69	31.45	6.12	29.53	224	99	P	V
		5351.04	43.78	-10.22	54	35.78	31.4	6.12	29.52	224	99	A	V

	*	5320	109.12	-	-	101.12	31.4	6.12	29.52	216	85	P	H
	*	5320	101.82	-	-	93.82	31.4	6.12	29.52	216	85	A	H
802.11ac		5350.4	54.14	-19.86	74	46.14	31.4	6.12	29.52	216	85	P	H
VHT20		5350.08	45.66	-8.34	54	37.66	31.4	6.12	29.52	216	85	A	H
CH 64	*	5320	113.89	-	-	105.89	31.4	6.12	29.52	201	69	P	V
5320MHz	*	5320	106.81	-	-	98.81	31.4	6.12	29.52	201	69	A	V
		5350.4	60.37	-13.63	74	52.37	31.4	6.12	29.52	201	69	P	V
		5350.08	50.17	-3.83	54	42.17	31.4	6.12	29.52	201	69	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 VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 52 5260MHz		10520	53.27	-14.93	68.2	60.15	40	10	56.88	100	0	P	H
		15780	46.23	-27.77	74	51.97	37.84	12.78	56.36	100	0	P	H
		10520	55.08	-13.12	68.2	61.96	40	10	56.88	100	0	P	V
		15780	46.06	-27.94	74	51.8	37.84	12.78	56.36	100	0	P	V
802.11ac VHT20 CH 60 5300MHz		10600	60.99	-13.01	74	67.77	40	10.04	56.82	186	50	P	H
		10600	49.78	-4.22	54	56.56	40	10.04	56.82	186	50	A	H
		15900	45.51	-28.49	74	51.39	37.5	12.84	56.22	100	0	P	H
		10600	58.26	-15.74	74	65.04	40	10.04	56.82	100	19	P	V
		10600	47.72	-6.28	54	54.5	40	10.04	56.82	100	19	A	V
		15900	46.65	-27.35	74	52.53	37.5	12.84	56.22	100	0	P	V
802.11ac VHT20 CH 64 5320MHz		10640	57.41	-16.59	74	64.15	40	10.05	56.79	185	49	P	H
		10640	47.01	-6.99	54	53.75	40	10.05	56.79	185	49	A	H
		15960	48.57	-25.43	74	54.23	37.62	12.87	56.15	100	0	P	H
		10640	58.35	-15.65	74	65.09	40	10.05	56.79	100	20	P	V
		10640	47.08	-6.92	54	53.82	40	10.05	56.79	100	20	A	V
		15960	46.44	-27.56	74	52.1	37.62	12.87	56.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5036.38	50.49	-23.51	74	42.12	31.82	6.02	29.47	243	337	P	H
		5149.6	41.46	-12.54	54	32.77	32.1	6.08	29.49	243	337	A	H
	*	5270	107.42	-	-	99.36	31.46	6.11	29.51	243	337	P	H
	*	5270	100.34	-	-	92.28	31.46	6.11	29.51	243	337	A	H
802.11ac		5374.56	49.45	-24.55	74	41.36	31.5	6.12	29.53	243	337	P	H
VHT40		5351.04	40.42	-13.58	54	32.42	31.4	6.12	29.52	243	337	A	H
CH 54		5085.68	51.76	-22.24	74	43.22	31.97	6.05	29.48	117	43	P	V
5270MHz		5149.26	43.27	-10.73	54	34.58	32.1	6.08	29.49	117	43	A	V
	*	5270	111.69	-	-	103.63	31.46	6.11	29.51	117	43	P	V
	*	5270	104.35	-	-	96.29	31.46	6.11	29.51	117	43	A	V
		5367.6	51.16	-22.84	74	43.1	31.47	6.12	29.53	117	43	P	V
		5350.8	42.88	-11.12	54	34.88	31.4	6.12	29.52	117	43	A	V
		5029.24	50.03	-23.97	74	41.7	31.78	6.02	29.47	235	336	P	H
		5139.74	40.74	-13.26	54	32.07	32.08	6.08	29.49	235	336	A	H
	*	5310	105.5	-	-	97.5	31.4	6.12	29.52	235	336	P	H
	*	5310	97.41	-	-	89.41	31.4	6.12	29.52	235	336	A	H
802.11ac		5350.8	58.49	-15.51	74	50.49	31.4	6.12	29.52	235	336	P	H
VHT40		5350.08	49.35	-4.65	54	41.35	31.4	6.12	29.52	235	336	A	H
CH 62		5126.48	50.34	-23.66	74	41.7	32.05	6.07	29.48	216	115	P	V
5310MHz		5139.4	41.5	-12.5	54	32.83	32.08	6.08	29.49	216	115	A	V
	*	5310	108.95	-	-	100.95	31.4	6.12	29.52	216	115	P	V
	*	5310	101.49	-	-	93.49	31.4	6.12	29.52	216	115	A	V
		5350.32	61.43	-12.57	74	53.43	31.4	6.12	29.52	216	115	P	V
		5350.08	51.78	-2.22	54	43.78	31.4	6.12	29.52	216	115	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 54 5270MHz		10540	51.43	-16.77	68.2	58.29	40	10.01	56.87	100	0	P	H
		15810	43.54	-30.46	74	49.3	37.77	12.8	56.33	100	0	P	H
		10540	51.59	-16.61	68.2	58.45	40	10.01	56.87	100	0	P	V
		15810	42.63	-31.37	74	48.39	37.77	12.8	56.33	100	0	P	V
802.11ac VHT40 CH 62 5310MHz		10620	54.1	-19.9	74	60.86	40	10.04	56.8	189	49	P	H
		10620	43.41	-10.59	54	50.17	40	10.04	56.8	189	49	A	H
		15930	45.97	-28.03	74	51.73	37.56	12.86	56.18	100	0	P	H
		10620	48.66	-25.34	74	55.42	40	10.04	56.8	100	0	P	V
		15930	44.79	-29.21	74	50.55	37.56	12.86	56.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5136.68	50.35	-23.65	74	41.68	32.07	6.08	29.48	236	336	P	H
		5148.92	41.29	-12.71	54	32.6	32.1	6.08	29.49	236	336	A	H
	*	5290	103.01	-	-	94.99	31.42	6.11	29.51	236	336	P	H
	*	5290	94.9	-	-	86.88	31.42	6.11	29.51	236	336	A	H
		5352.72	66.99	-7.01	74	58.98	31.41	6.12	29.52	236	336	P	H
		5350.56	50.65	-3.35	54	42.65	31.4	6.12	29.52	236	336	A	H
		5126.82	51.37	-22.63	74	42.73	32.05	6.07	29.48	219	91	P	V
		5148.92	42.69	-11.31	54	34	32.1	6.08	29.49	219	91	A	V
	*	5290	107.57	-	-	99.55	31.42	6.11	29.51	219	91	P	V
	*	5290	100.24	-	-	92.22	31.42	6.11	29.51	219	91	A	V
		5361.84	64.34	-9.66	74	56.3	31.45	6.12	29.53	219	91	P	V
		5350.08	53.34	-0.66	54	45.34	31.4	6.12	29.52	219	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+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		10580	47.02	-21.18	68.2	53.83	40	10.03	56.84	100	0	P	H
VHT80		15870	43.08	-30.92	74	48.93	37.59	12.82	56.26	100	0	P	H
CH 58		10580	47.15	-21.05	68.2	53.96	40	10.03	56.84	100	0	P	V
5290MHz		15870	44.07	-29.93	74	49.92	37.59	12.82	56.26	100	0	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 VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5422.48	50.35	-23.65	74	42.06	31.69	6.14	29.54	400	26	P	H
		5468.56	55.87	-12.33	68.2	47.38	31.84	6.19	29.54	400	26	P	H
		5459.76	42.27	-11.73	54	33.81	31.82	6.18	29.54	400	26	A	H
802.11ac	*	5500	108.34	-	-	99.77	31.9	6.22	29.55	400	26	P	H
VHT20	*	5500	101.11	-	-	92.54	31.9	6.22	29.55	400	26	A	H
CH 100		5458.48	60.56	-13.44	74	52.1	31.82	6.18	29.54	114	41	P	V
5500MHz		5470	64.25	-3.95	68.2	55.76	31.84	6.19	29.54	114	41	P	V
		5460	48.23	-5.77	54	39.77	31.82	6.18	29.54	114	41	A	V
	*	5500	115.12	-	-	106.55	31.9	6.22	29.55	114	41	P	V
	*	5500	107.8	-	-	99.23	31.9	6.22	29.55	114	41	A	V
		5416.96	49	-25	74	40.73	31.67	6.14	29.54	388	23	P	H
		5461.12	49.91	-18.29	68.2	41.45	31.82	6.18	29.54	388	23	P	H
		5459.92	40.42	-13.58	54	31.96	31.82	6.18	29.54	388	23	A	H
	*	5580	107.62	-	-	98.97	31.9	6.3	29.55	388	23	P	H
802.11ac	*	5580	100.44	-	-	91.79	31.9	6.3	29.55	388	23	A	H
VHT20		5760.905	48.44	-19.76	68.2	39.48	32.14	6.38	29.56	388	23	P	H
CH 116		5437.84	52.41	-21.59	74	44.04	31.75	6.16	29.54	105	39	P	V
5580MHz		5467.36	52.28	-15.92	68.2	43.8	31.83	6.19	29.54	105	39	P	V
		5454.16	43.19	-10.81	54	34.75	31.81	6.17	29.54	105	39	A	V
	*	5580	115.23	-	-	106.58	31.9	6.3	29.55	105	39	P	V
	*	5580	107.86	-	-	99.21	31.9	6.3	29.55	105	39	A	V
		5728.775	49.59	-18.61	68.2	40.71	32.06	6.37	29.55	105	39	P	V

802.11ac VHT20 CH 140 5700MHz	*	5700	107.99	-	-	99.18	32	6.36	29.55	400	15	P	H
	*	5700	100.88	-	-	92.07	32	6.36	29.55	400	15	A	H
		5725.32	56.98	-11.22	68.2	48.11	32.05	6.37	29.55	400	15	P	H
	*	5700	114.56	-	-	105.75	32	6.36	29.55	210	20	P	V
	*	5700	107.21	-	-	98.4	32	6.36	29.55	210	20	A	V
		5725	67.46	-0.74	68.2	58.59	32.05	6.37	29.55	210	20	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 VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 100 5500MHz		11000	60.28	-13.72	74	66.26	40.3	10.22	56.5	300	116	P	H
		11000	48.45	-5.55	54	54.43	40.3	10.22	56.5	300	116	A	H
		16500	46.08	-22.12	68.2	49.79	39.2	12.79	55.7	100	0	P	H
		11000	59.48	-14.52	74	65.46	40.3	10.22	56.5	251	314	P	V
		11000	48.16	-5.84	54	54.14	40.3	10.22	56.5	251	314	A	V
		16500	44.93	-23.27	68.2	48.64	39.2	12.79	55.7	100	0	P	V
802.11ac VHT20 CH 116 5580MHz		11160	61.77	-12.23	74	68.03	39.88	10.3	56.44	286	114	P	H
		11160	51	-3	54	57.26	39.88	10.3	56.44	286	114	A	H
		16740	47.05	-21.15	68.2	50.16	40.04	12.74	55.89	100	0	P	H
		11160	61.96	-12.04	74	68.22	39.88	10.3	56.44	242	313	P	V
		11160	51.4	-2.6	54	57.66	39.88	10.3	56.44	242	313	A	V
		16740	45.64	-22.56	68.2	48.75	40.04	12.74	55.89	100	0	P	V
802.11ac VHT20 CH 140 5700MHz		11400	63.33	-10.67	74	69.35	39.9	10.42	56.34	257	102	P	H
		11400	52.07	-1.93	54	58.09	39.9	10.42	56.34	257	102	A	H
		17100	50.56	-17.64	68.2	53.86	40.2	12.8	56.3	100	0	P	H
		11400	58.93	-15.07	74	64.95	39.9	10.42	56.34	242	316	P	V
		11400	47.94	-6.06	54	53.96	39.9	10.42	56.34	242	316	A	V
		17100	49.68	-18.52	68.2	52.98	40.2	12.8	56.3	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.04	55.15	-18.85	74	46.7	31.81	6.18	29.54	101	276	P	H
		5468.8	56.5	-11.7	68.2	48.01	31.84	6.19	29.54	101	276	P	H
		5459.92	43.19	-10.81	54	34.73	31.82	6.18	29.54	101	276	A	H
	*	5510	102.86	-	-	94.28	31.9	6.23	29.55	101	276	P	H
802.11ac	*	5510	94.8	-	-	86.22	31.9	6.23	29.55	101	276	A	H
VHT40		5738.225	49.8	-18.4	68.2	40.89	32.08	6.38	29.55	101	276	P	H
CH 102		5457.04	59.08	-14.92	74	50.63	31.81	6.18	29.54	100	47	P	V
5510MHz		5469.76	63.13	-5.07	68.2	54.64	31.84	6.19	29.54	100	47	P	V
		5459.92	50.7	-3.3	54	42.24	31.82	6.18	29.54	100	47	A	V
	*	5510	109.9	-	-	101.32	31.9	6.23	29.55	100	47	P	V
	*	5510	101.81	-	-	93.23	31.9	6.23	29.55	100	47	A	V
		5751.14	49.02	-19.18	68.2	40.1	32.1	6.38	29.56	100	47	P	V
		5381.2	50.3	-23.7	74	42.19	31.52	6.12	29.53	128	273	P	H
		5464.96	49.05	-19.15	68.2	40.58	31.83	6.18	29.54	128	273	P	H
		5459.44	40.79	-13.21	54	32.33	31.82	6.18	29.54	128	273	A	H
	*	5550	105.63	-	-	97.01	31.9	6.27	29.55	128	273	P	H
802.11ac	*	5550	97.23	-	-	88.61	31.9	6.27	29.55	128	273	A	H
VHT40		5742.32	48.05	-20.15	68.2	39.14	32.08	6.38	29.55	128	273	P	H
CH 110		5459.92	56.41	-17.59	74	47.95	31.82	6.18	29.54	100	35	P	V
5550MHz		5469.76	58.64	-9.56	68.2	50.15	31.84	6.19	29.54	100	35	P	V
		5459.92	44.67	-9.33	54	36.21	31.82	6.18	29.54	100	35	A	V
	*	5550	113.09	-	-	104.47	31.9	6.27	29.55	100	35	P	V
	*	5550	104.31	-	-	95.69	31.9	6.27	29.55	100	35	A	V
		5753.66	48.95	-19.25	68.2	40.02	32.11	6.38	29.56	100	35	P	V

		5413.7	48.29	-25.71	74	40.04	31.65	6.13	29.53	106	272	P	H
		5462.35	48.1	-20.1	68.2	39.64	31.82	6.18	29.54	106	272	P	H
		5459.2	39.7	-14.3	54	31.24	31.82	6.18	29.54	106	272	A	H
	*	5670	103.96	-	-	95.22	31.94	6.35	29.55	106	272	P	H
802.11ac	*	5670	95.69	-	-	86.95	31.94	6.35	29.55	106	272	A	H
VHT40		5726.57	53.37	-14.83	68.2	44.5	32.05	6.37	29.55	106	272	P	H
CH 134		5446.95	49.01	-24.99	74	40.59	31.79	6.17	29.54	102	39	P	V
5670MHz		5462	47.81	-20.39	68.2	39.35	31.82	6.18	29.54	102	39	P	V
		5452.55	40.62	-13.38	54	32.18	31.81	6.17	29.54	102	39	A	V
	*	5670	107.96	-	-	99.22	31.94	6.35	29.55	102	39	P	V
	*	5670	98.31	-	-	89.57	31.94	6.35	29.55	102	39	A	V
		5725.625	56.64	-11.56	68.2	47.77	32.05	6.37	29.55	102	39	P	V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 102 5510MHz		11020	49.91	-24.09	74	55.93	40.24	10.23	56.49	100	0	P	H
		16530	44.87	-23.33	68.2	48.6	39.2	12.79	55.72	100	0	P	H
		11020	47.88	-26.12	74	53.9	40.24	10.23	56.49	100	0	P	V
		16530	44.76	-23.44	68.2	48.49	39.2	12.79	55.72	100	0	P	V
802.11ac VHT40 CH 110 5550MHz		11100	57.09	-16.91	74	63.28	40	10.27	56.46	263	101	P	H
		11100	46.26	-7.74	54	52.45	40	10.27	56.46	263	101	A	H
		16650	46.18	-22.02	68.2	49.73	39.5	12.77	55.82	100	0	P	H
		11100	61.05	-12.95	74	67.24	40	10.27	56.46	255	313	P	V
		11100	48.69	-5.31	54	54.88	40	10.27	56.46	255	313	A	V
		16650	44.85	-23.35	68.2	48.4	39.5	12.77	55.82	100	0	P	V
802.11ac VHT40 CH 134 5670MHz		11340	60.92	-13.08	74	67.05	39.84	10.39	56.36	266	105	P	H
		11340	49.86	-4.14	54	55.99	39.84	10.39	56.36	266	105	A	H
		17010	47.87	-20.33	68.2	51.18	40.11	12.7	56.12	100	0	P	H
		11340	60.36	-13.64	74	66.49	39.84	10.39	56.36	100	326	P	V
		11340	49.14	-4.86	54	55.27	39.84	10.39	56.36	100	326	A	V
		17010	47.62	-20.58	68.2	50.93	40.11	12.7	56.12	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

11WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.5	53.5	-20.5	74	45.04	31.82	6.18	29.54	128	271	P	H
		5467.95	56.09	-12.11	68.2	47.6	31.84	6.19	29.54	128	271	P	H
		5458.85	46.07	-7.93	54	37.61	31.82	6.18	29.54	128	271	A	H
	*	5530	96.82	-	-	88.22	31.9	6.25	29.55	128	271	P	H
802.11ac	*	5530	88.41	-	-	79.81	31.9	6.25	29.55	128	271	A	H
VHT80		5756.495	48.26	-19.94	68.2	39.31	32.13	6.38	29.56	128	271	P	H
CH 106		5456.75	60.15	-13.85	74	51.7	31.81	6.18	29.54	107	35	P	V
5530MHz		5468.3	65.02	-3.18	68.2	56.53	31.84	6.19	29.54	107	35	P	V
		5459.9	53.26	-0.74	54	44.8	31.82	6.18	29.54	107	35	A	V
	*	5530	104.35	-	-	95.75	31.9	6.25	29.55	107	35	P	V
	*	5530	95.66	-	-	87.06	31.9	6.25	29.55	107	35	A	V
		5758.07	48.31	-19.89	68.2	39.36	32.13	6.38	29.56	107	35	P	V
		5431.55	50.27	-23.73	74	41.93	31.73	6.15	29.54	226	331	P	H
		5464.8	50.93	-17.27	68.2	42.46	31.83	6.18	29.54	226	331	P	H
		5458.5	42.43	-11.57	54	33.97	31.82	6.18	29.54	226	331	A	H
	*	5610	104.59	-	-	95.92	31.9	6.32	29.55	226	331	P	H
802.11ac	*	5610	96.29	-	-	87.62	31.9	6.32	29.55	226	331	A	H
VHT80		5733.185	54.26	-13.94	68.2	45.37	32.07	6.37	29.55	226	331	P	H
CH 122		5456.75	53.6	-20.4	74	45.15	31.81	6.18	29.54	204	18	P	V
5610MHz		5469.7	55.91	-12.29	68.2	47.42	31.84	6.19	29.54	204	18	P	V
		5459.9	44.85	-9.15	54	36.39	31.82	6.18	29.54	204	18	A	V
	*	5610	110.53	-	-	101.86	31.9	6.32	29.55	204	18	P	V
	*	5610	102.21	-	-	93.54	31.9	6.32	29.55	204	18	A	V
		5729.09	56.63	-11.57	68.2	47.75	32.06	6.37	29.55	204	18	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	47.25	-26.75	74	53.36	40.12	10.25	56.48	100	0	P	H
		16590	46.18	-22.02	68.2	49.98	39.2	12.77	55.77	100	0	P	H
		11060	46.93	-27.07	74	53.04	40.12	10.25	56.48	100	0	P	V
		16590	45.38	-22.82	68.2	49.18	39.2	12.77	55.77	100	0	P	V
802.11ac VHT80 CH 122 5610MHz		11220	56.22	-17.78	74	62.5	39.8	10.33	56.41	269	102	P	H
		11220	46.26	-7.74	54	52.54	39.8	10.33	56.41	269	102	A	H
		16830	46.23	-21.97	68.2	49.15	40.31	12.73	55.96	100	0	P	H
		11220	53	-21	74	59.28	39.8	10.33	56.41	236	11	P	V
		11220	44.07	-9.93	54	50.35	39.8	10.33	56.41	236	11	A	V
		16830	46.37	-21.83	68.2	49.29	40.31	12.73	55.96	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5427.61	47.85	-26.15	74	39.53	31.71	6.15	29.54	386	17	P	H
		5462.71	47.07	-21.13	68.2	38.6	31.83	6.18	29.54	386	17	P	H
		5458.03	39.14	-14.86	54	30.68	31.82	6.18	29.54	386	17	A	H
	*	5720	107.75	-	-	98.89	32.04	6.37	29.55	386	17	P	H
802.11ac	*	5720	100.1	-	-	91.24	32.04	6.37	29.55	386	17	A	H
VHT20		5886.25	49.55	-18.65	68.2	40.17	32.47	6.47	29.56	386	17	P	H
CH 144		5436.58	48.81	-25.19	74	40.44	31.75	6.16	29.54	223	92	P	V
5720MHz		5470	47.94	-20.26	68.2	39.45	31.84	6.19	29.54	223	92	P	V
		5457.25	40.39	-13.61	54	31.94	31.81	6.18	29.54	223	92	A	V
	*	5720	115.2	-	-	106.34	32.04	6.37	29.55	223	92	P	V
	*	5720	107.38	-	-	98.52	32.04	6.37	29.55	223	92	A	V
		5863.25	50.81	-17.39	68.2	41.49	32.43	6.45	29.56	223	92	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 144 5720MHz		11440	61.1	-12.9	74	67.01	39.98	10.43	56.32	268	103	P	H
		11440	50.96	-3.04	54	56.87	39.98	10.43	56.32	268	103	A	H
		17160	52.07	-16.13	68.2	55.55	40.08	12.86	56.42	100	0	P	H
		11440	60.85	-13.15	74	66.76	39.98	10.43	56.32	253	326	P	V
		11440	49.82	-4.18	54	55.73	39.98	10.43	56.32	253	326	A	V
		17160	47.75	-20.45	68.2	51.23	40.08	12.86	56.42	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz		5451.4	48.27	-25.73	74	39.84	31.8	6.17	29.54	121	276	P	H
		5460	46.96	-21.24	68.2	38.5	31.82	6.18	29.54	121	276	P	H
		5459.59	39.3	-14.7	54	30.84	31.82	6.18	29.54	121	276	A	H
	*	5710	106.17	-	-	97.34	32.02	6.36	29.55	121	276	P	H
	*	5710	99.03	-	-	90.2	32.02	6.36	29.55	121	276	A	H
		5863.5	49.25	-18.95	68.2	39.93	32.43	6.45	29.56	121	276	P	H
		5436.19	50.21	-23.79	74	41.85	31.74	6.16	29.54	101	40	P	V
		5470	49.37	-18.83	68.2	40.88	31.84	6.19	29.54	101	40	P	V
		5455.69	40.57	-13.43	54	32.12	31.81	6.18	29.54	101	40	A	V
	*	5710	111.29	-	-	102.46	32.02	6.36	29.55	101	40	P	V
	*	5710	103.68	-	-	94.85	32.02	6.36	29.55	101	40	A	V
		5850.25	50.4	-17.8	68.2	41.12	32.4	6.44	29.56	101	40	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz		11420	61.75	-12.25	74	67.72	39.94	10.42	56.33	259	102	P	H
		11420	49.48	-4.52	54	55.45	39.94	10.42	56.33	259	102	A	H
		17130	47.57	-20.63	68.2	50.95	40.14	12.84	56.36	100	0	P	H
		11420	57.84	-16.16	74	63.81	39.94	10.42	56.33	101	326	P	V
		11420	47.09	-6.91	54	53.06	39.94	10.42	56.33	101	326	A	V
		17130	47.69	-20.51	68.2	51.07	40.14	12.84	56.36	100	0	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5445.16	48.42	-25.58	74	40.01	31.78	6.17	29.54	249	331	P	H
		5463.49	49.69	-18.51	68.2	41.22	31.83	6.18	29.54	249	331	P	H
		5459.98	39.55	-14.45	54	31.09	31.82	6.18	29.54	249	331	A	H
	*	5690	105.22	-	-	96.43	31.98	6.36	29.55	249	331	P	H
	*	5690	97.31	-	-	88.52	31.98	6.36	29.55	249	331	A	H
		5871.1	50.62	-17.58	68.2	41.28	32.44	6.46	29.56	249	331	P	H
		5443.21	49.18	-24.82	74	40.79	31.77	6.16	29.54	224	17	P	V
		5467.78	49.24	-18.96	68.2	40.75	31.84	6.19	29.54	224	17	P	V
		5459.59	40.56	-13.44	54	32.1	31.82	6.18	29.54	224	17	A	V
	*	5690	110.88	-	-	102.09	31.98	6.36	29.55	224	17	P	V
	*	5690	102.53	-	-	93.74	31.98	6.36	29.55	224	17	A	V
		5874.7	51.6	-16.6	68.2	42.25	32.45	6.46	29.56	224	17	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	55.62	-18.38	74	61.68	39.88	10.41	56.35	268	106	P	H
		11380	45.98	-8.02	54	52.04	39.88	10.41	56.35	268	106	A	H
		17070	47.55	-20.65	68.2	50.85	40.17	12.77	56.24	100	0	P	H
		11380	51.76	-22.24	74	57.82	39.88	10.41	56.35	202	113	P	V
		11380	42.23	-11.77	54	48.29	39.88	10.41	56.35	202	113	A	V
		17070	46.7	-21.5	68.2	50	40.17	12.77	56.24	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		124.09	34.67	-8.83	43.5	48.7	17.2	0.96	32.19	-	-	P	H
		240.49	34.66	-11.34	46	48.52	16.96	1.32	32.14	-	-	P	H
		368.53	38.14	-7.86	46	48.24	20.44	1.62	32.16	100	0	P	H
		715.79	33.67	-12.33	46	36.82	26.63	2.28	32.06	-	-	P	H
		799.21	34.55	-11.45	46	36.49	27.52	2.43	31.89	-	-	P	H
		961.2	33.89	-20.11	54	31.41	30.68	2.69	30.89	-	-	P	H
		66.86	32	-8	40	51.75	11.86	0.65	32.26	100	0	P	V
		125.06	34.35	-9.15	43.5	48.37	17.2	0.97	32.19	-	-	P	V
		239.52	28	-18	46	41.98	16.85	1.22	32.14	-	-	P	V
		533.43	32.76	-13.24	46	39.3	23.7	1.95	32.19	-	-	P	V
		800.18	36.16	-9.84	46	38.12	27.5	2.43	31.89	-	-	P	V
		981.57	35.09	-18.91	54	32.81	30.27	2.73	30.72	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

Test Engineer :	Ryan Lin, JC Liang and Wilson Wu	**Temperature :**	21.5~23.5°C
		Relative Humidity :	46.5~49.5%

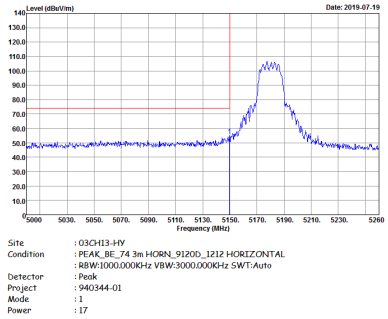
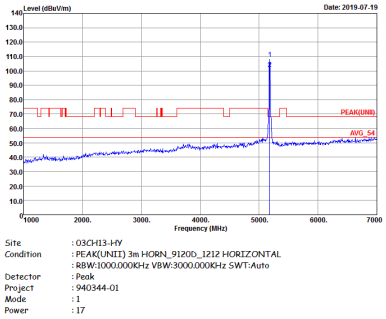
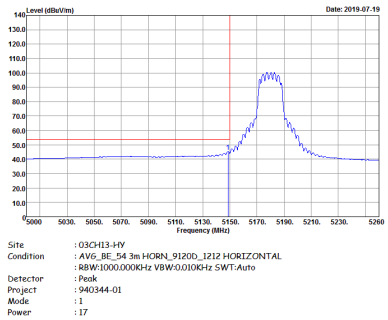
Note symbol

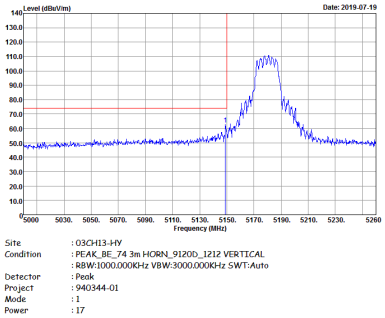
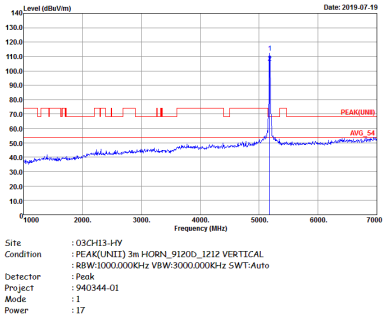
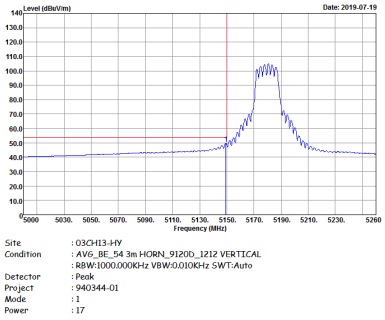
-L	**Low channel location**
-R	**High channel location**

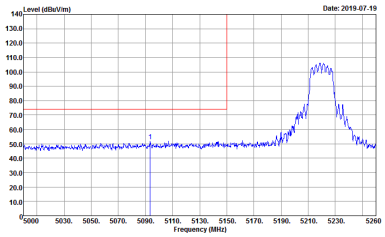
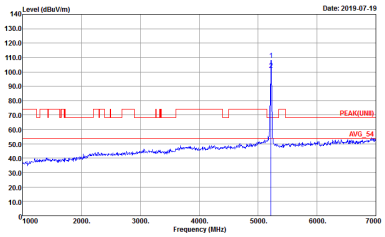
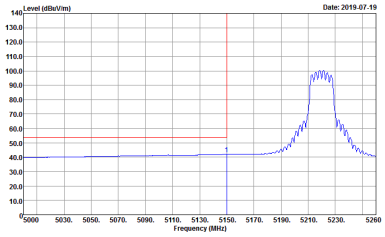
<CDD Mode>

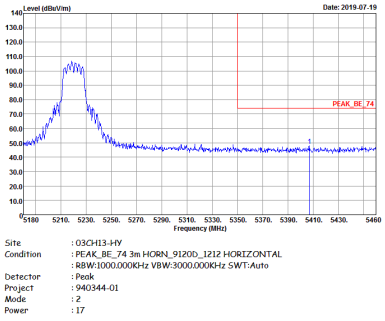
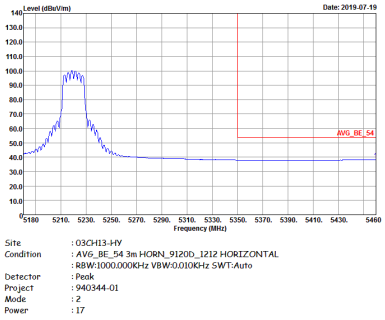
Band 1 - 5150~5250MHz

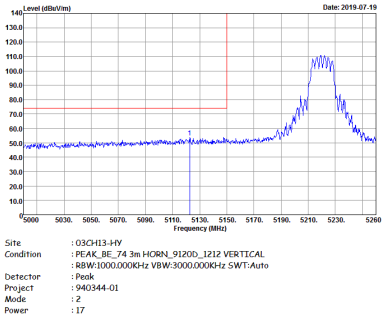
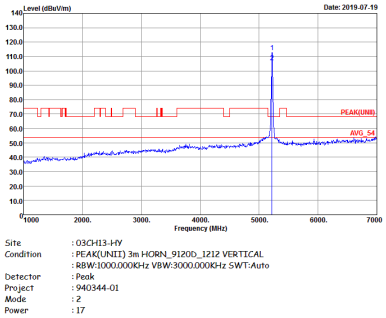
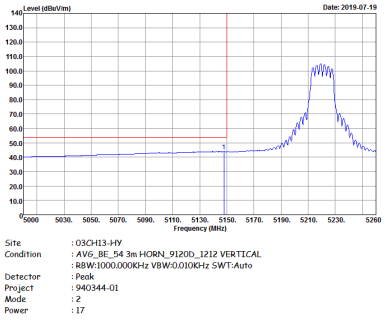
WIFI 802.11a (Band Edge @ 3m)

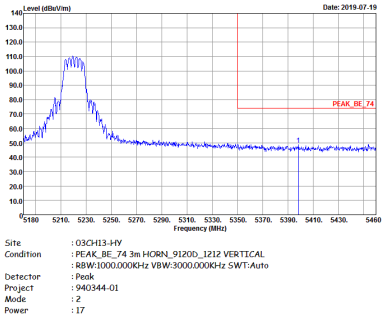
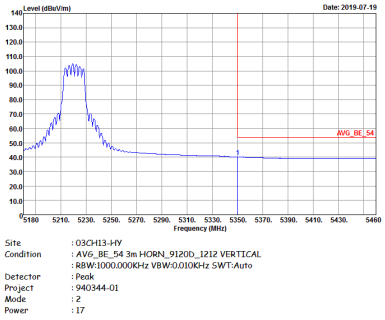
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

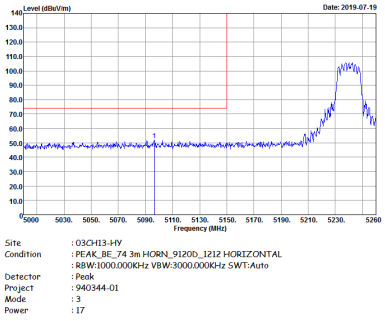
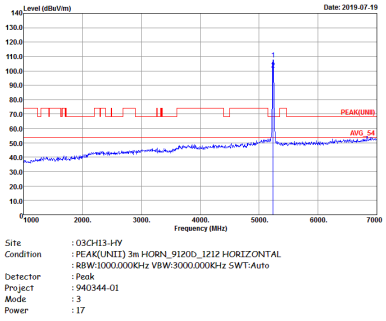
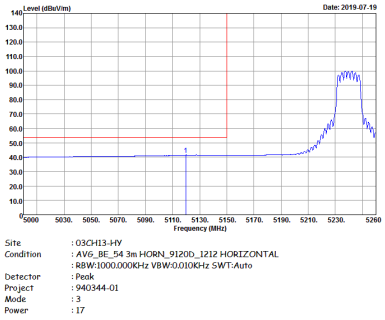
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

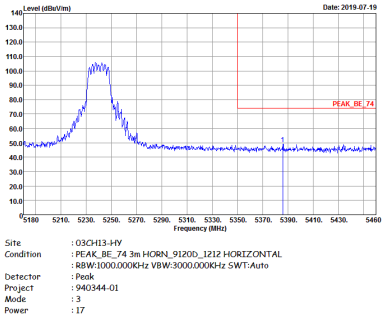
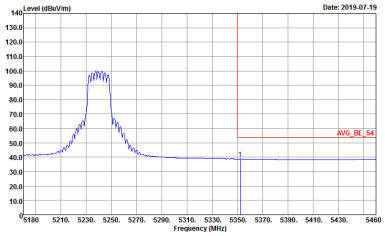
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 2 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 2 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 2 Power : 17	Left blank

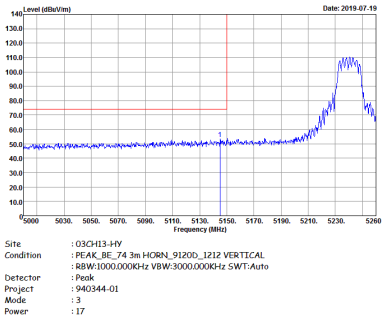
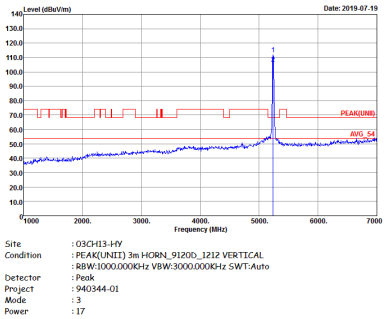
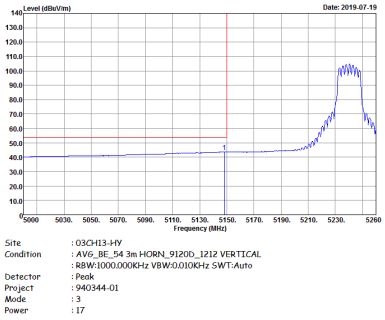
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

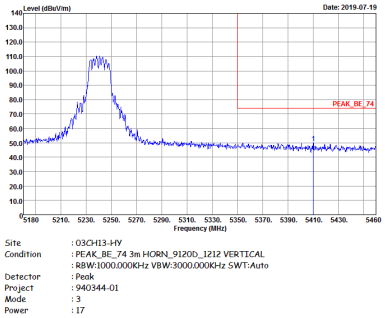
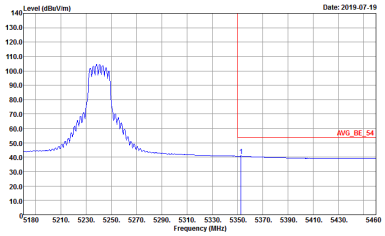
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

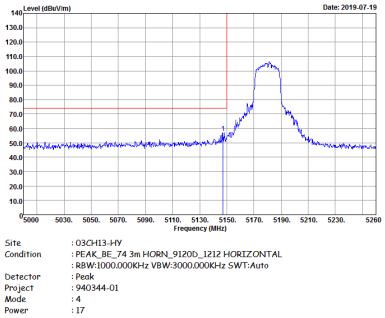
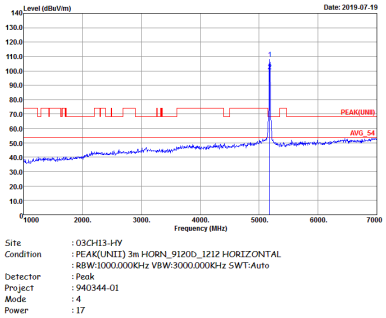
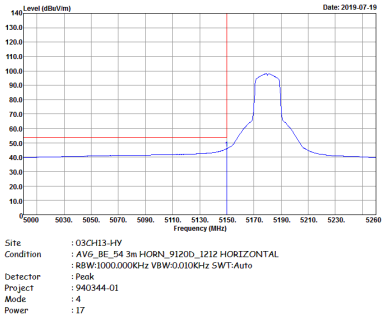
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

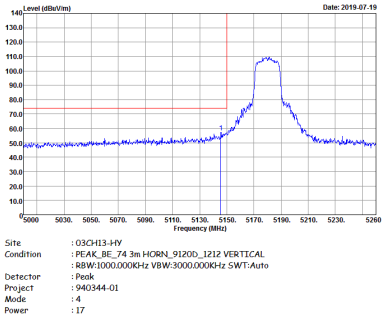
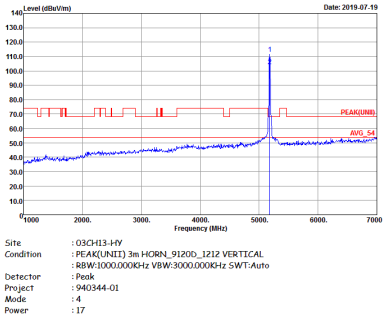
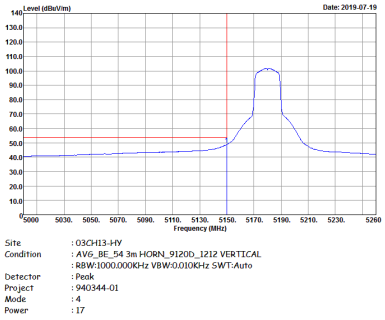
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 3 Power : 17	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 3 Power : 17	Left blank

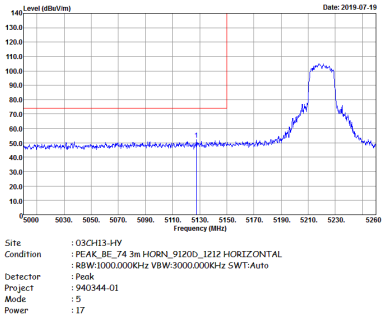
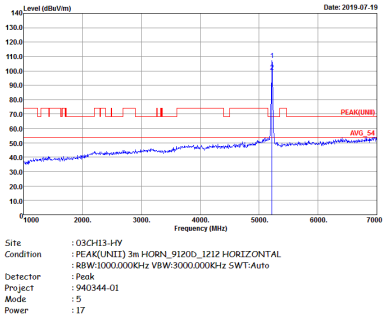
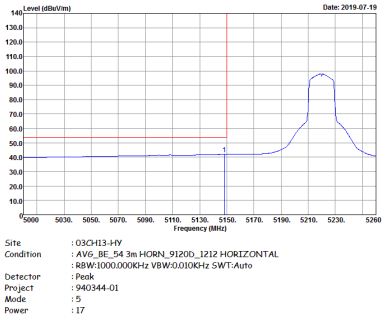
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

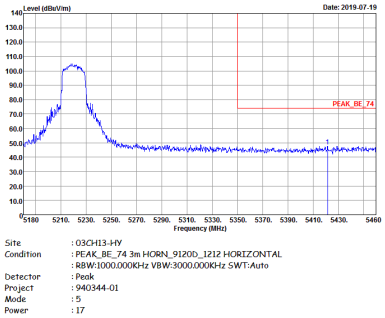
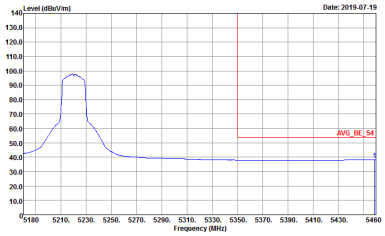
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 3 Power : 17	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 3 Power : 17	Left blank

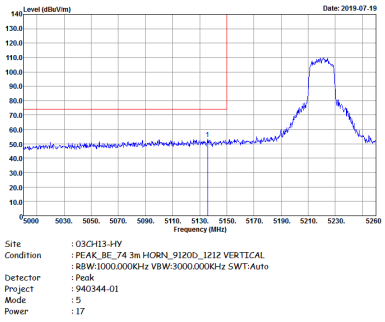
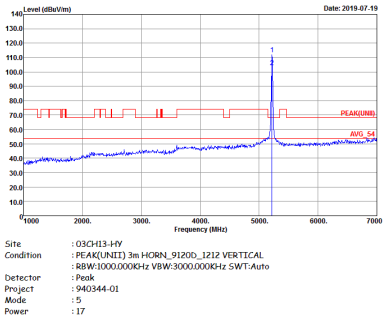
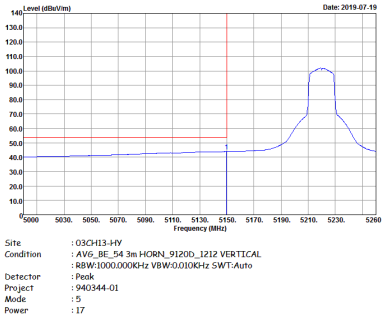
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

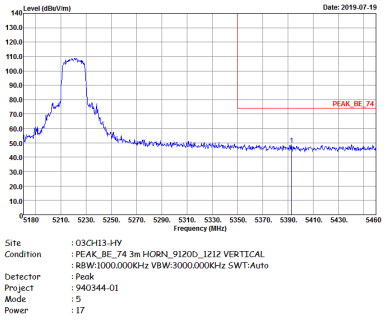
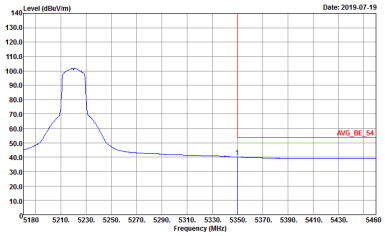
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

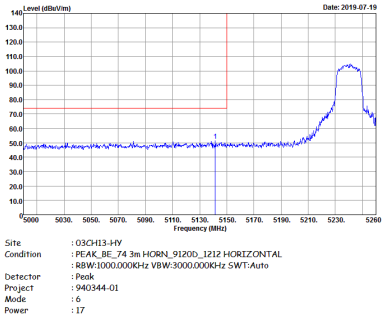
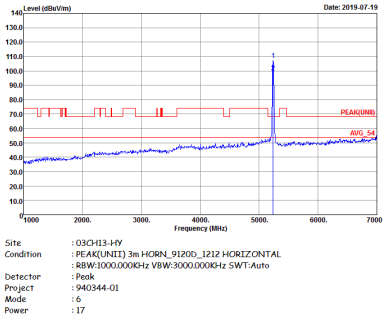
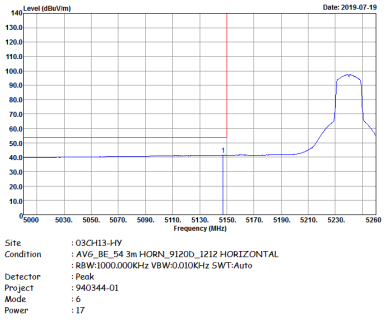
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

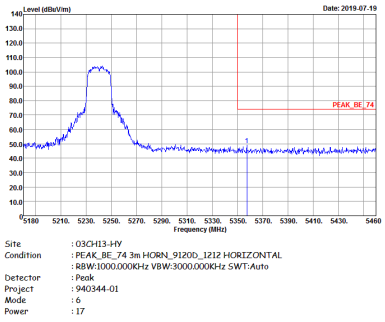
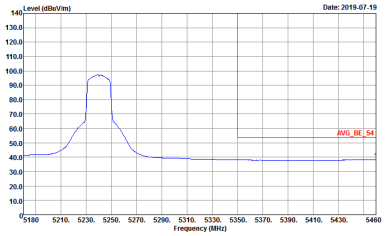
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

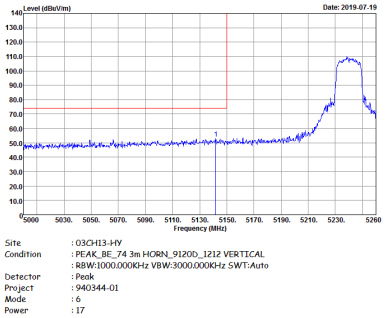
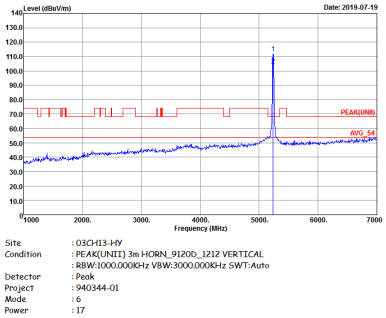
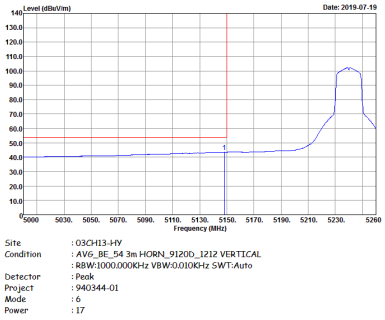
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 5 Power : 17	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 5 Power : 17	Left blank

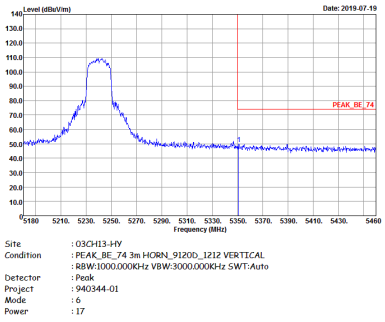
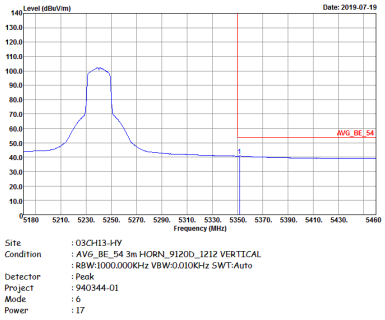
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 5 Power : 17	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 5 Power : 17	Left blank

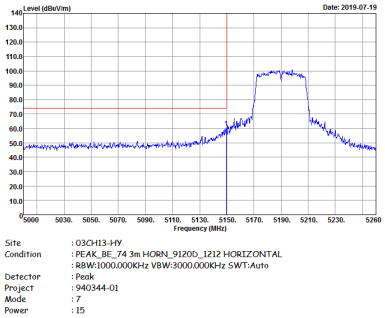
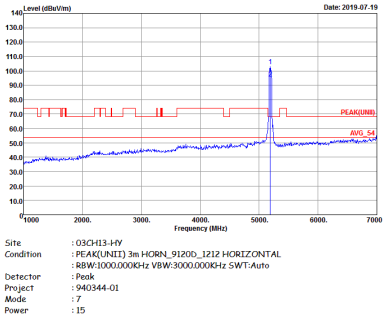
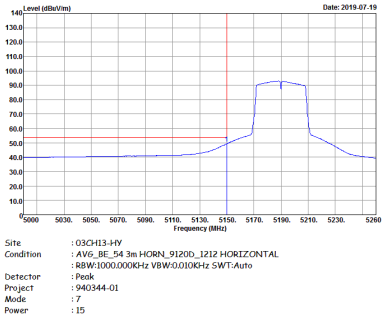
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

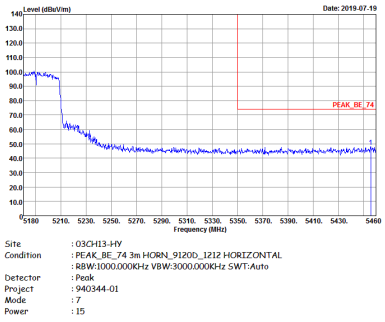
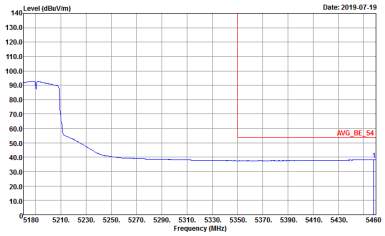
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 6 Power : 17	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 6 Power : 17	Left blank

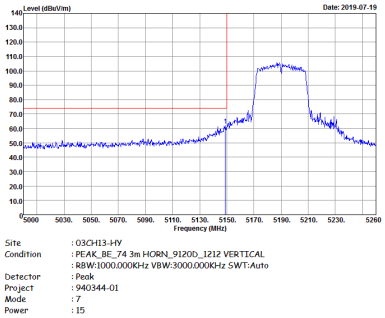
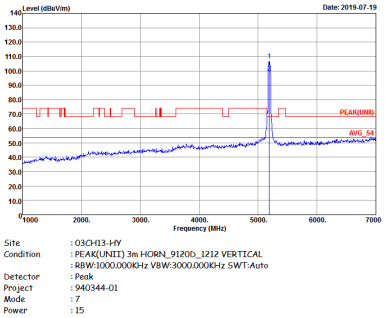
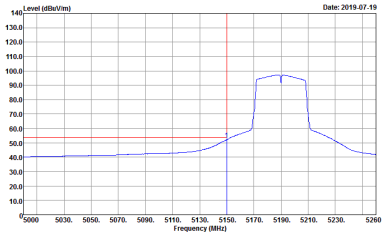
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

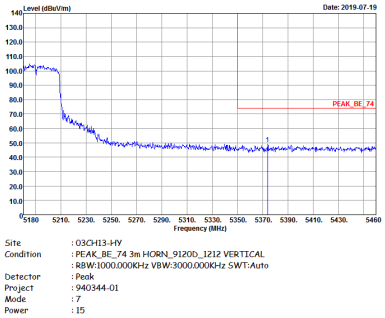
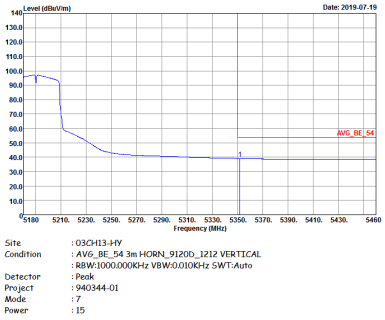
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

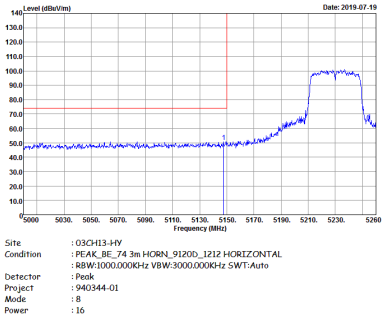
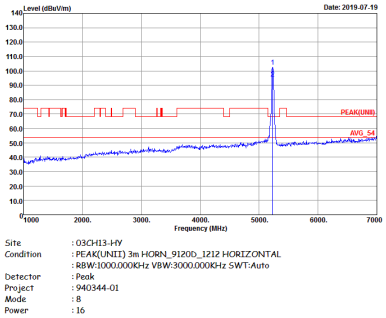
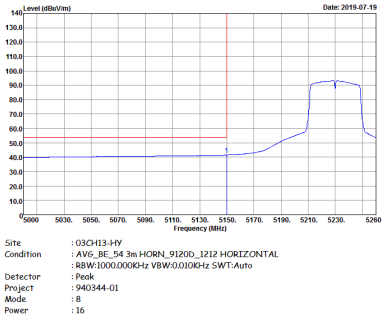
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

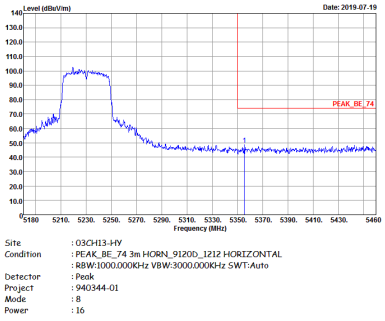
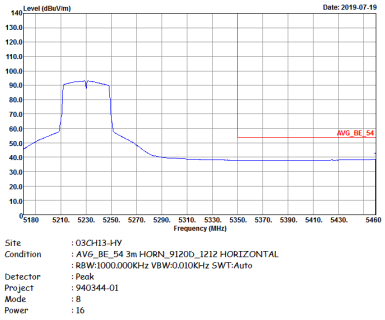
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

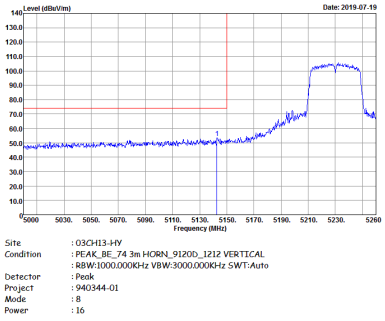
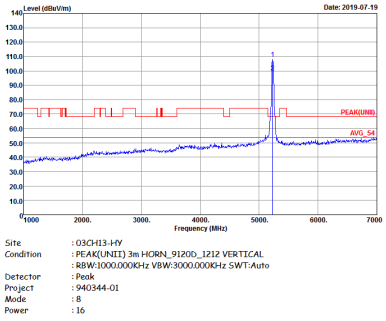
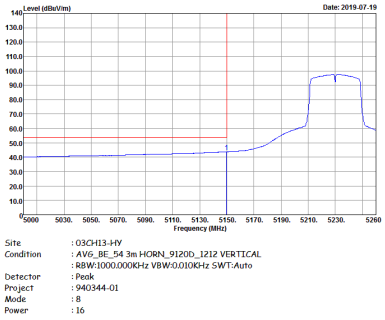
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 7 Power : 15	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 7 Power : 15	Left blank

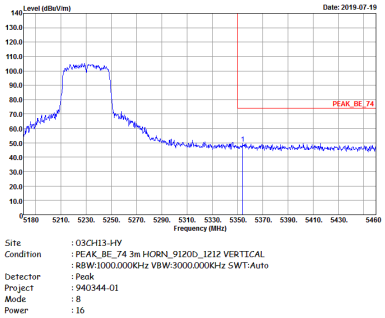
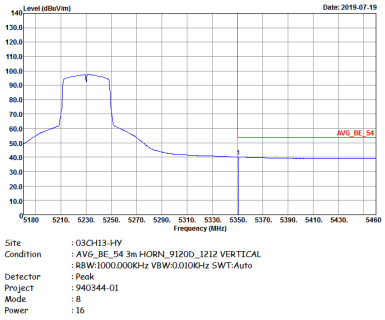
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 7 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 7 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 7 Power : 15	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

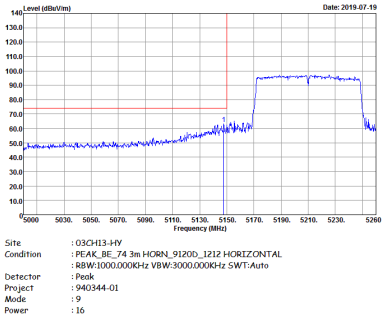
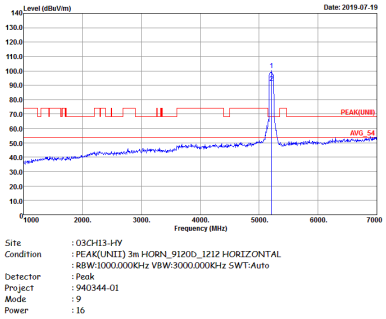
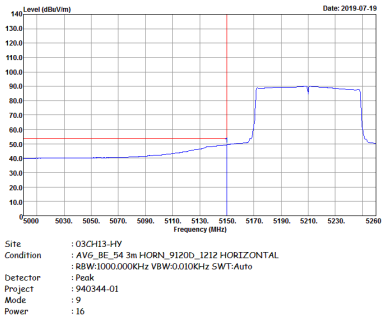
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

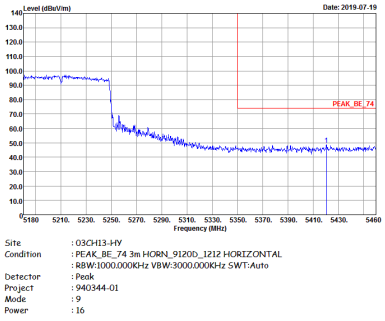
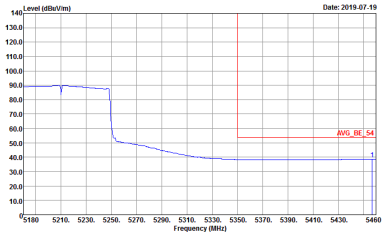
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

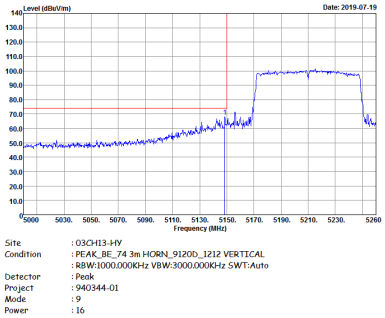
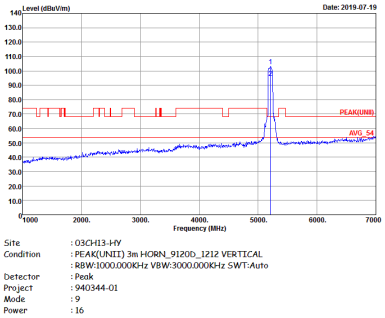
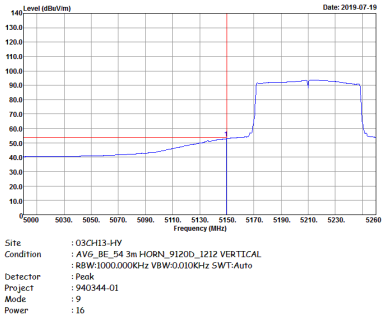
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

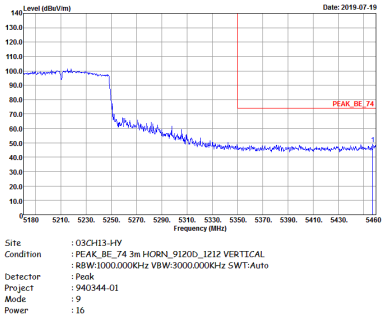
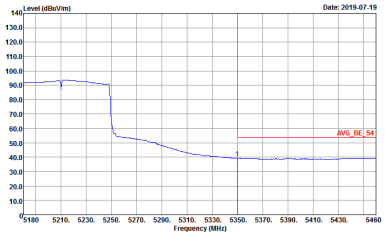
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

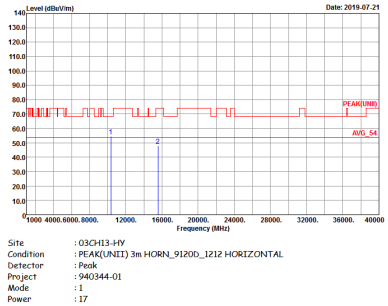
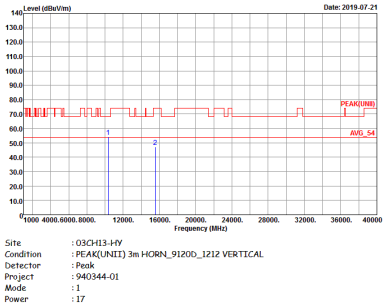
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 9 Power : 16	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 9 Power : 16	Left blank

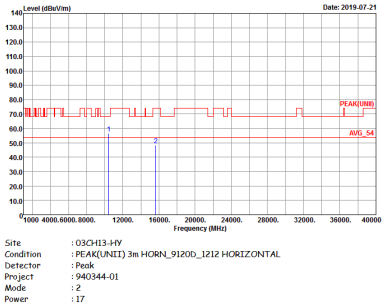
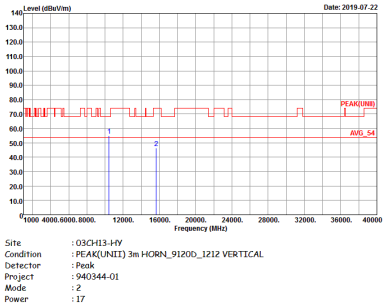
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

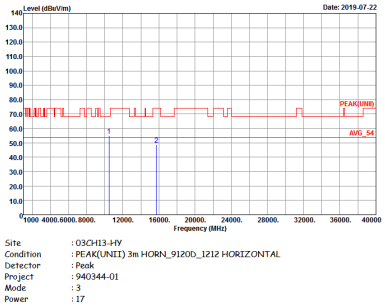
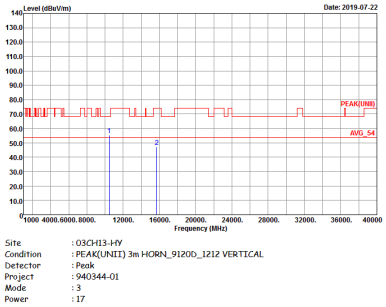
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 9 Power : 16	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 9 Power : 16	Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

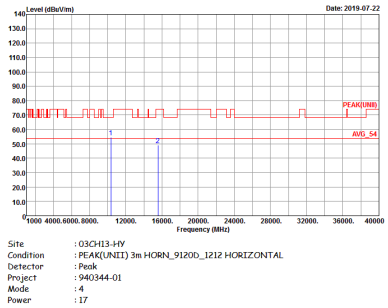
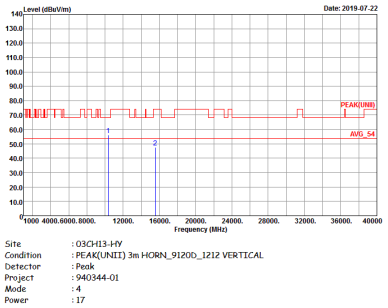
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

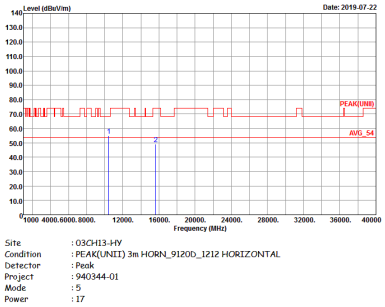
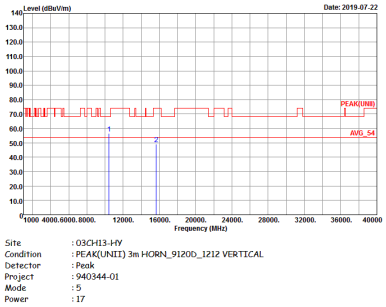
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

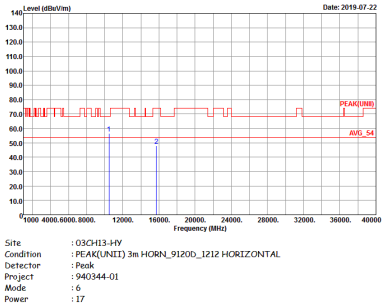
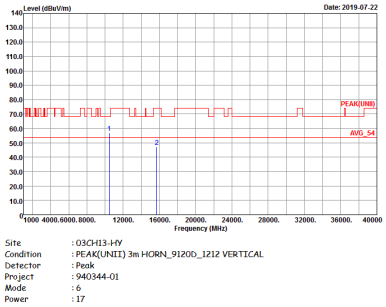
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

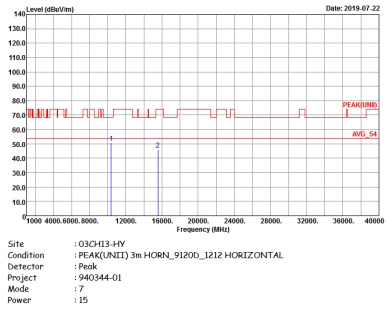
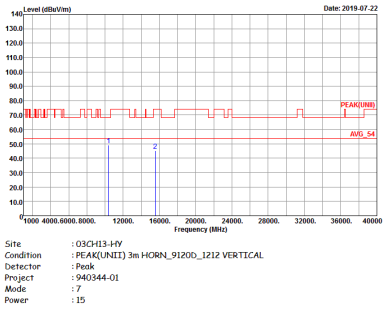
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

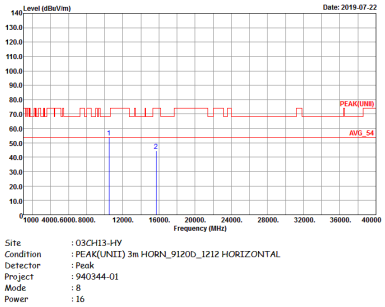
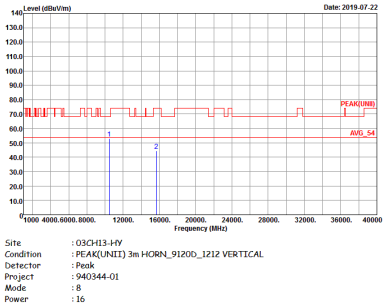
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

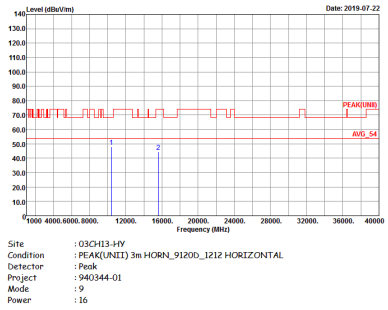
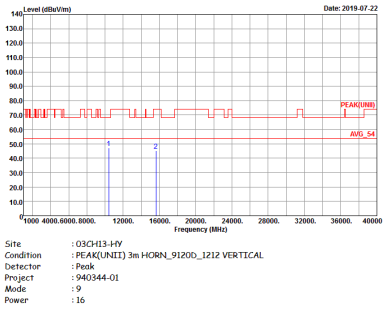
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.		

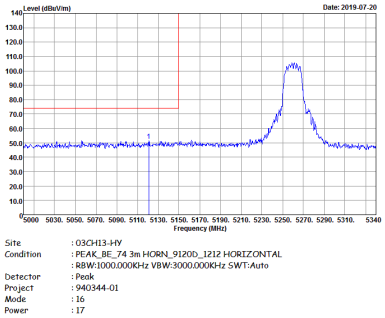
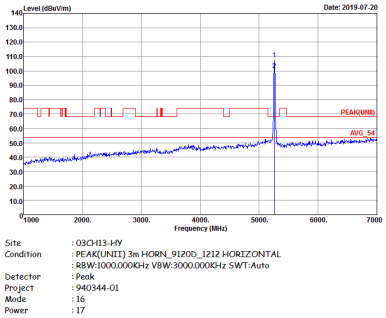
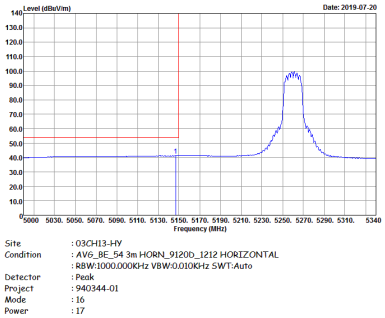
Band 1 5150~5250MHz

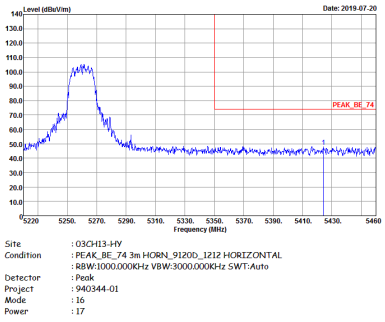
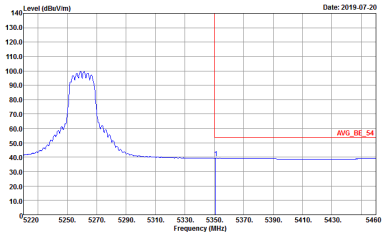
WIFI 802.11ac VHT80 (Harmonic @ 3m)

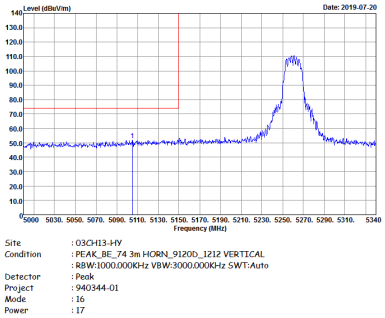
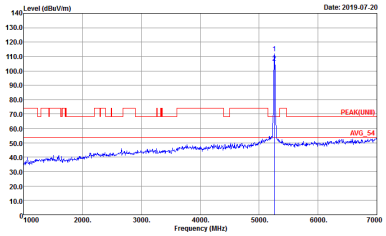
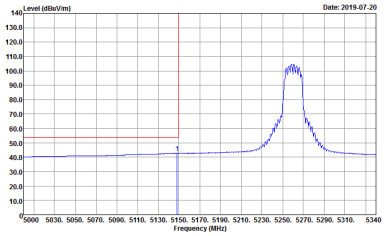
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

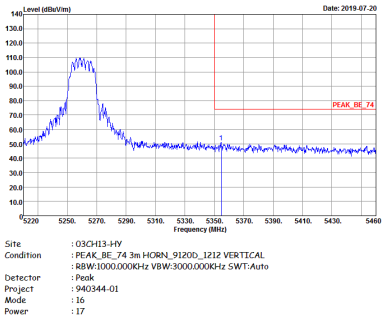
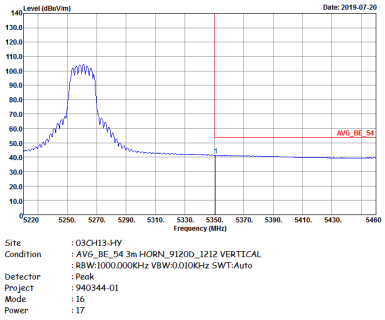
Band 2 - 5250~5350MHz

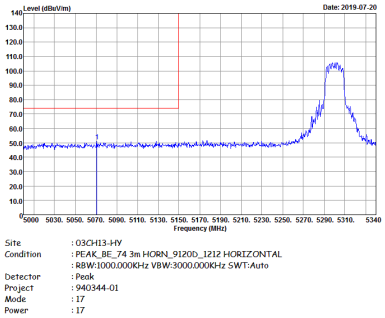
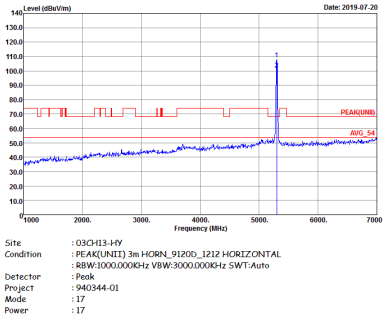
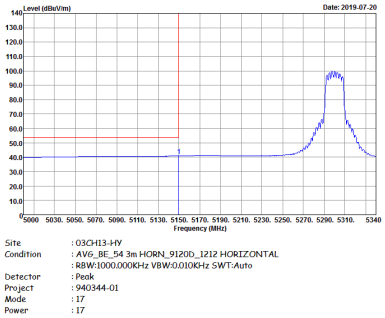
WIFI 802.11a (Band Edge @ 3m)

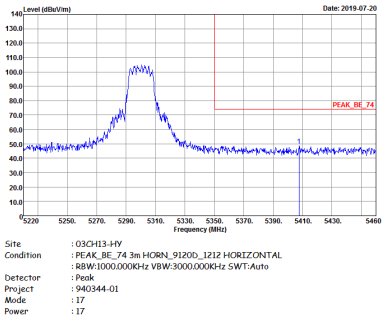
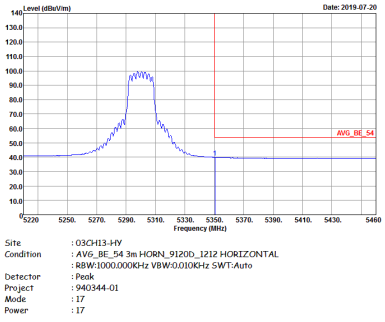
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

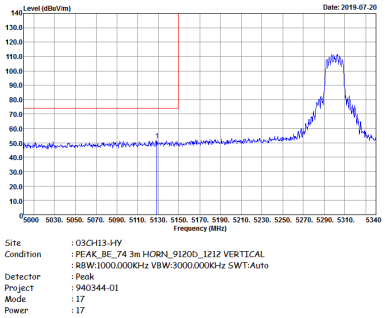
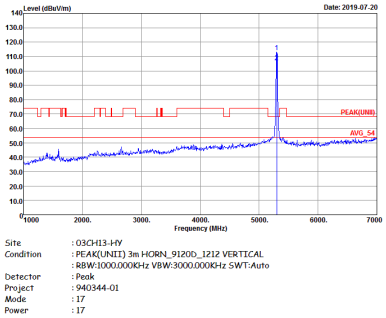
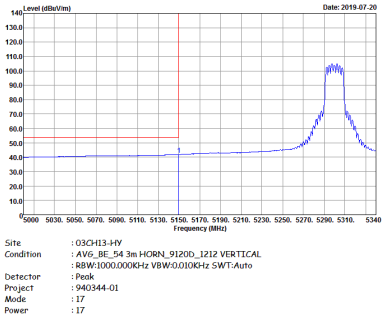
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 16 Power : 17	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 16 Power : 17	Left blank

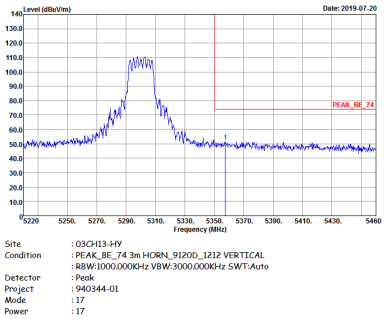
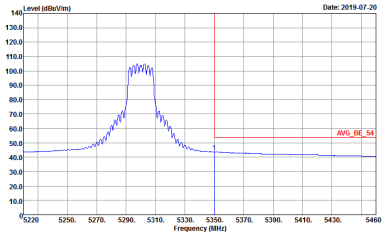
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 16 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 16 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 16 Power : 17	Left blank

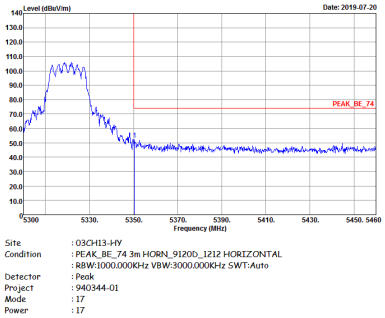
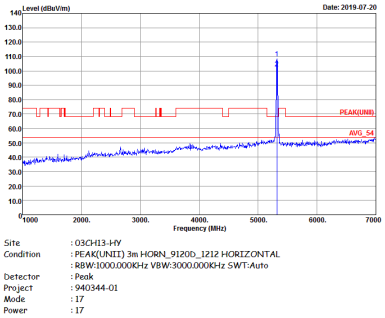
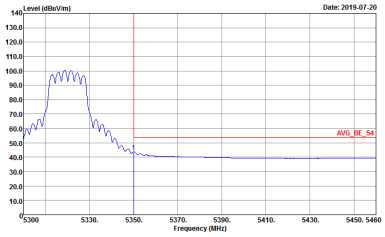
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

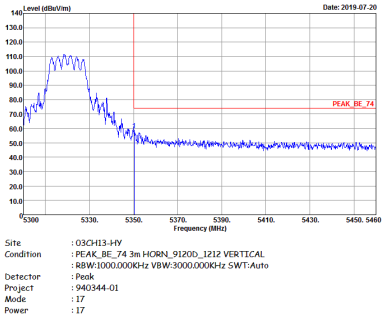
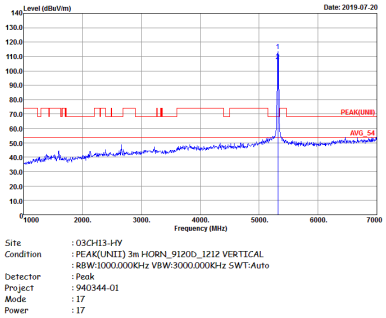
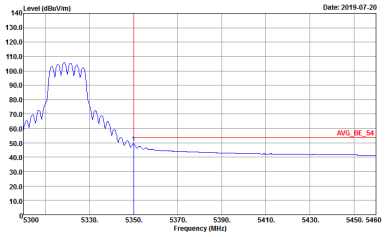
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

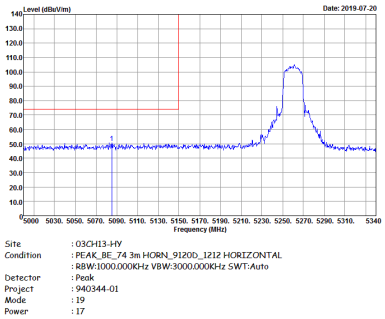
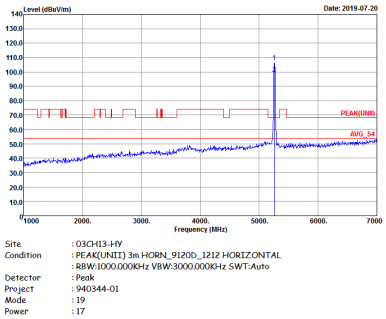
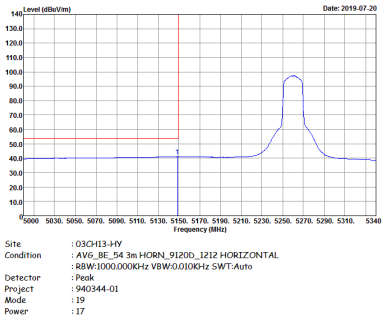
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17	Left blank

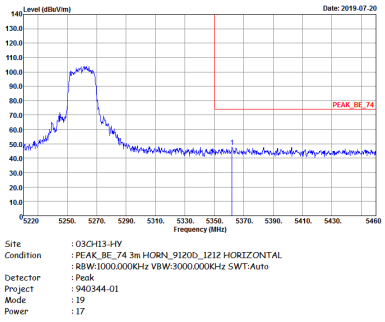
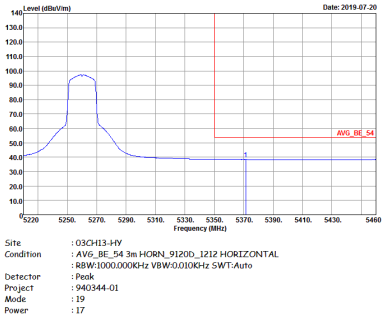
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17	Left blank

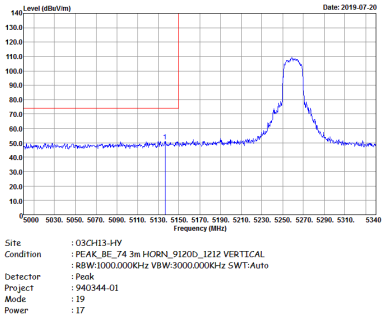
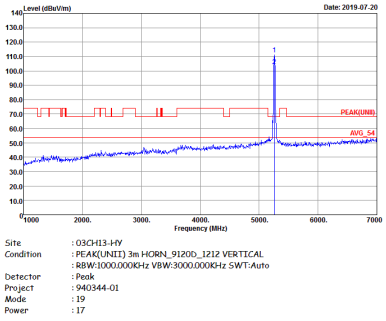
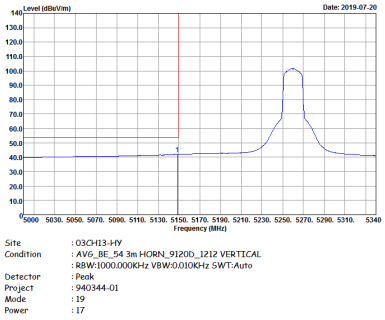
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 17 Power : 17	Left blank

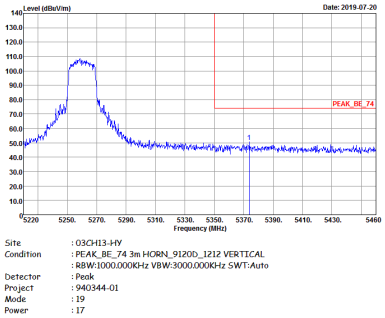
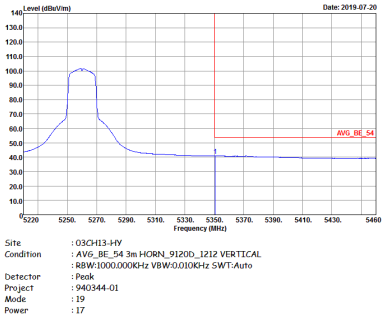
Band 2 5250~5350MHz

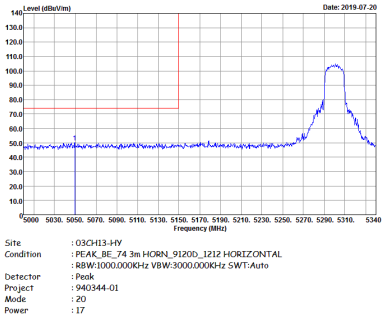
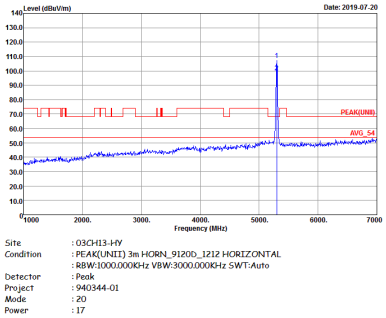
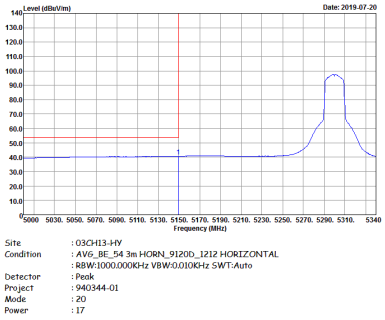
WIFI 802.11n HT20 (Band Edge @ 3m)

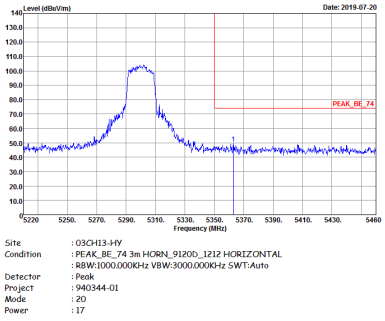
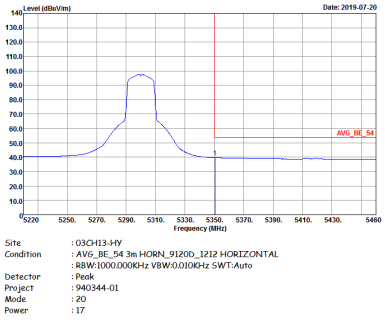
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

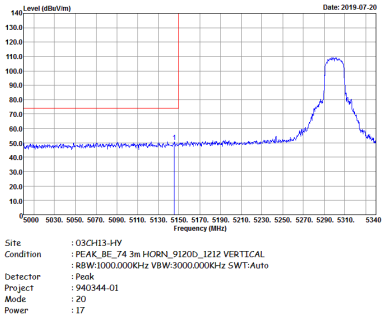
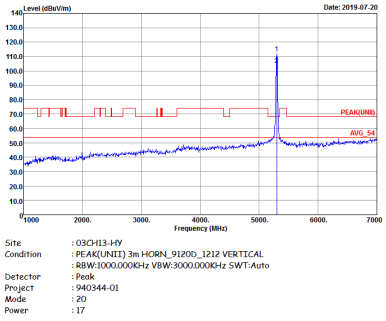
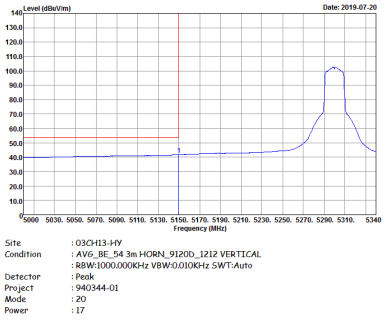
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

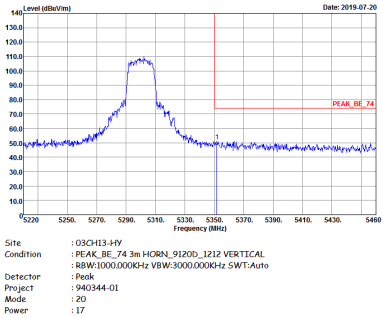
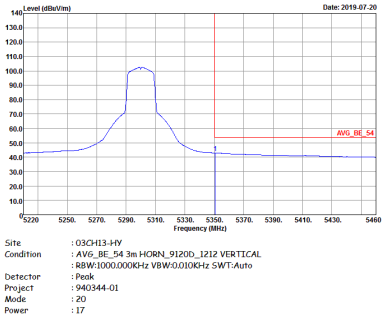
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

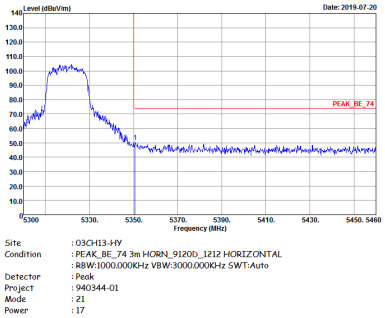
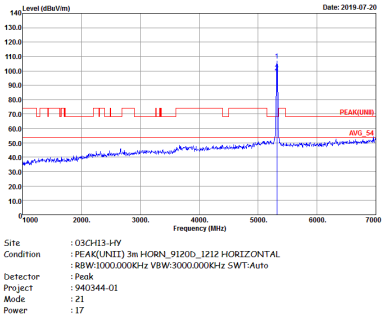
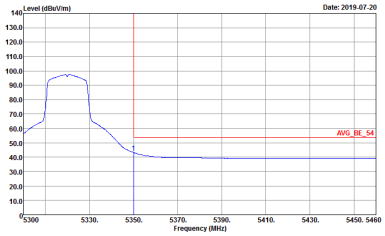
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

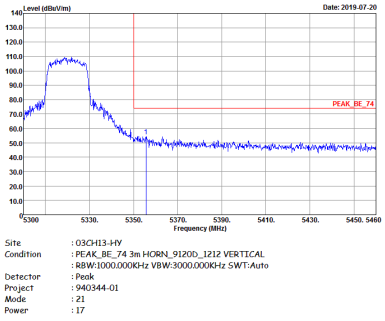
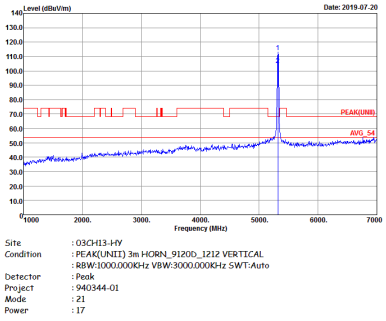
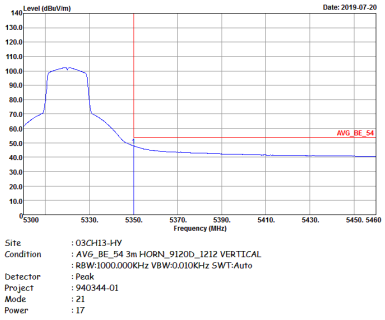
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

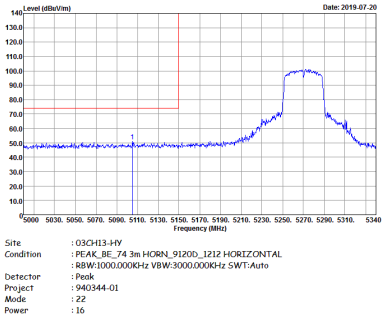
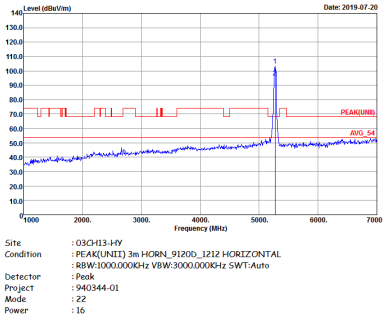
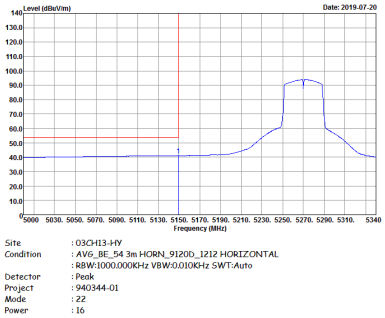
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

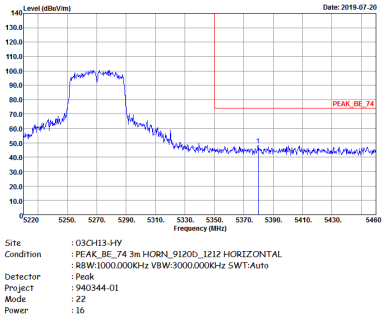
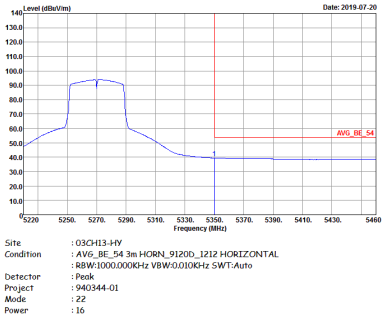
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

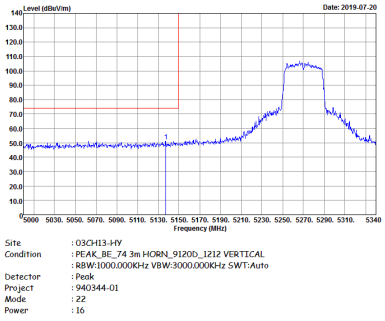
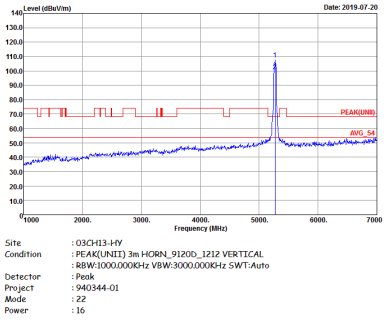
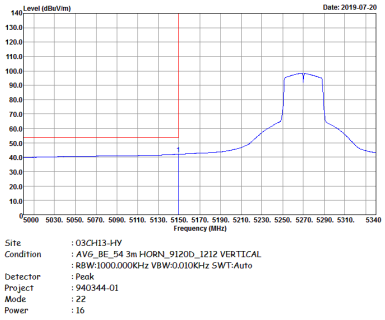
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 21 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 21 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 21 Power : 17	Left blank

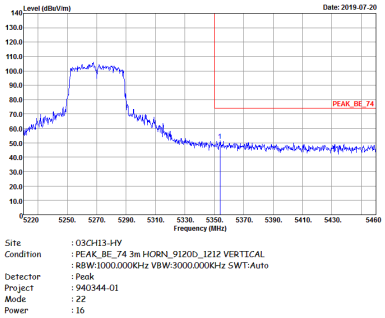
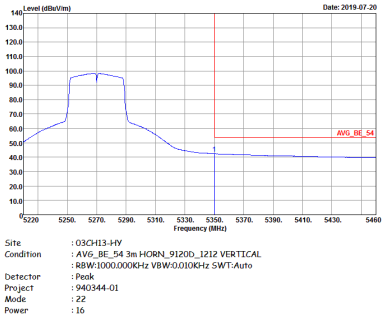
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

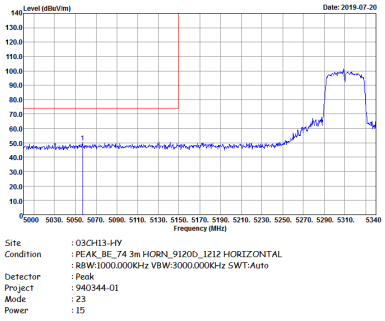
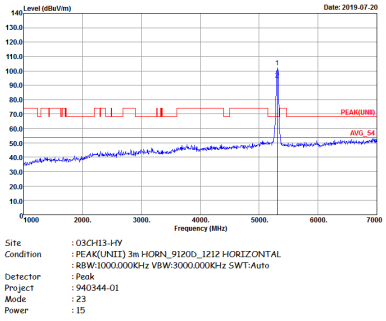
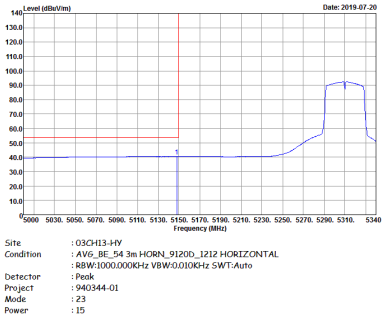
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

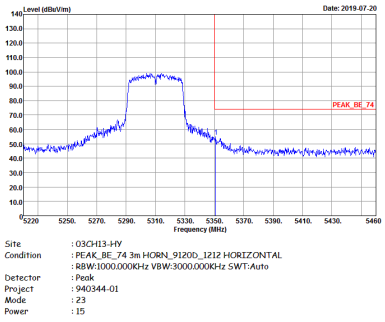
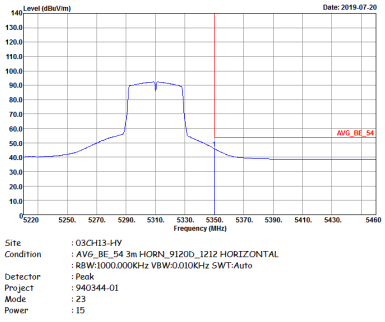
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

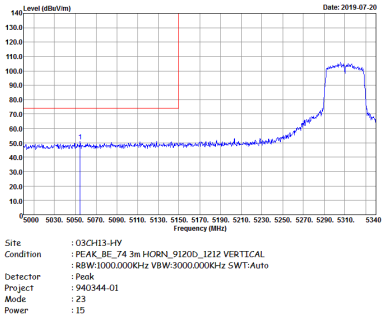
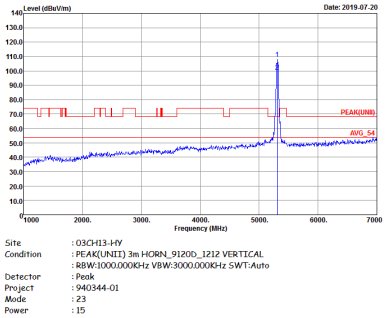
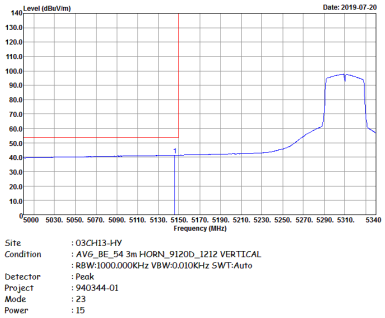
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

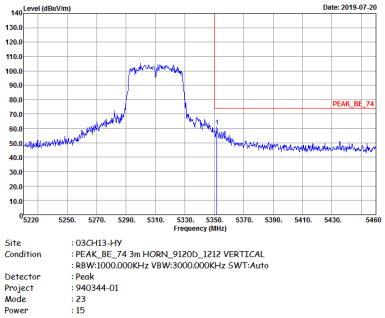
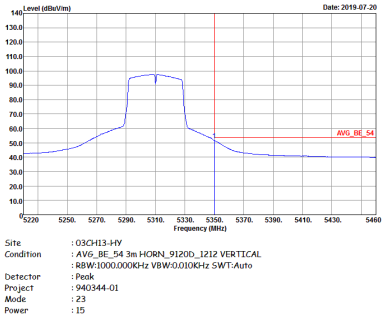
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1+2	Vertical	Vertical
Peak		
Avg.		Left blank

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

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

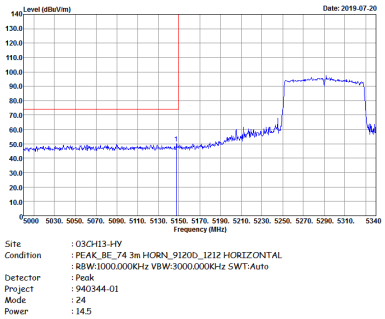
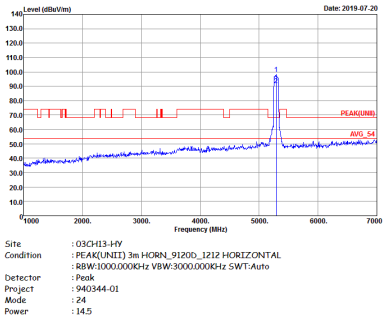
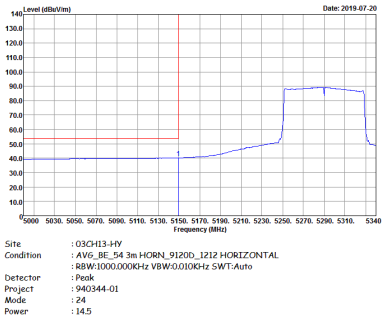
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

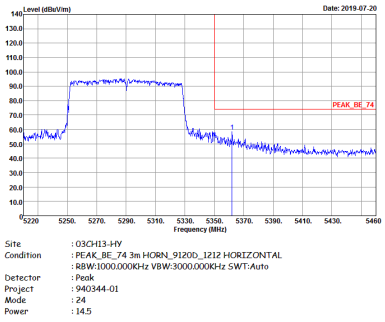
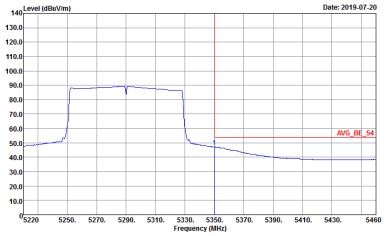
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

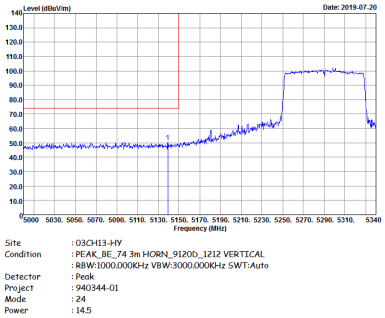
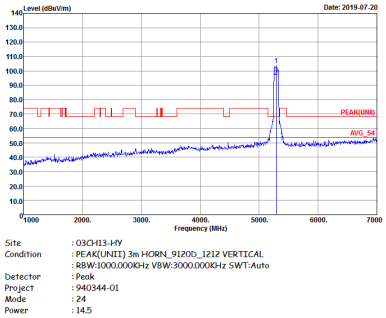
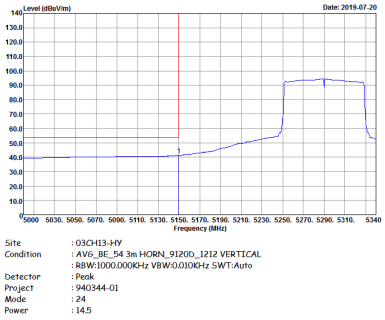
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

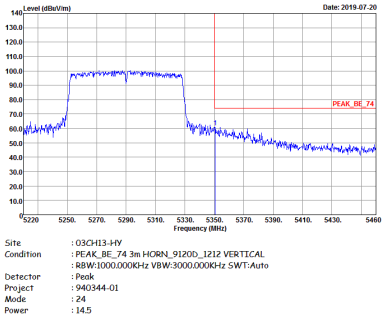
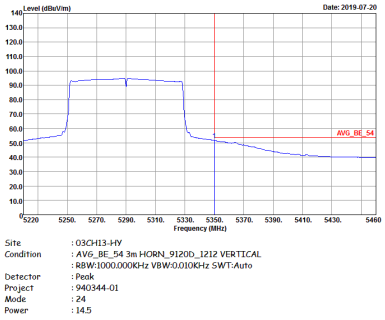
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

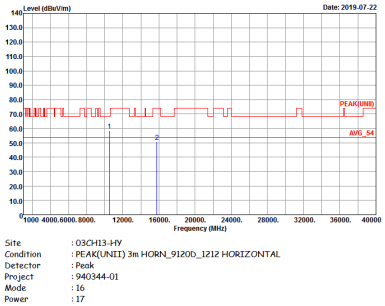
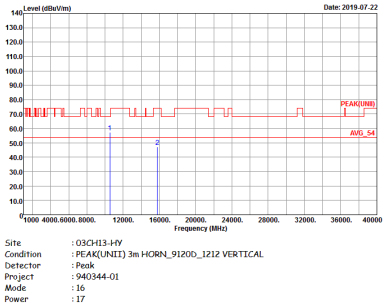
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 24 Power : 14.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 24 Power : 14.5	Left blank

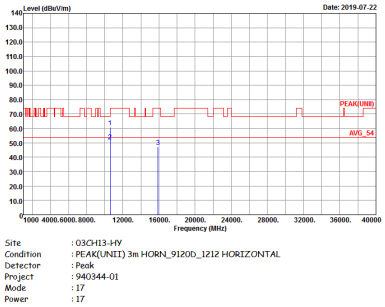
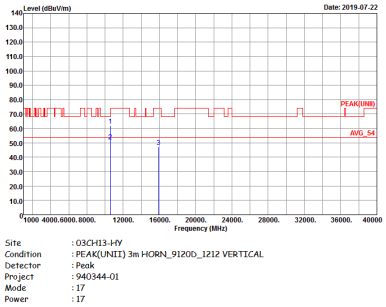
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

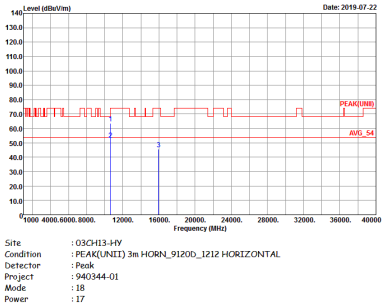
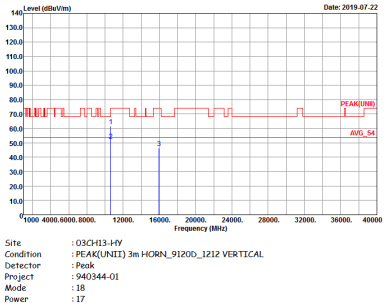
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

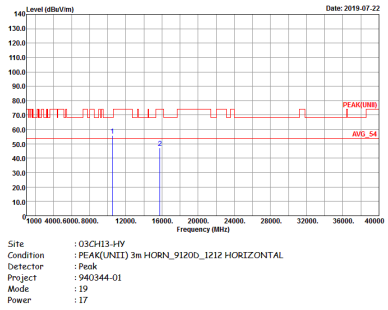
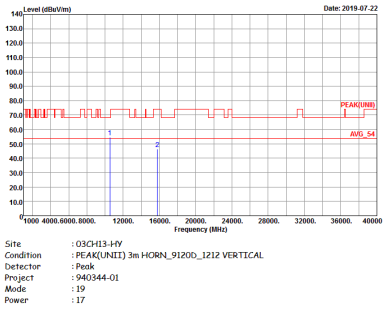
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

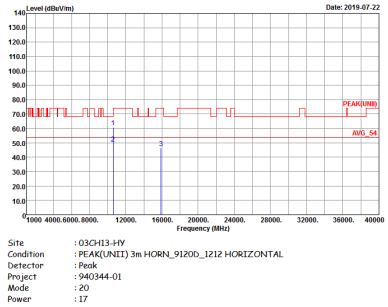
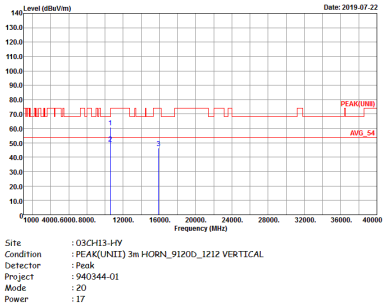
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

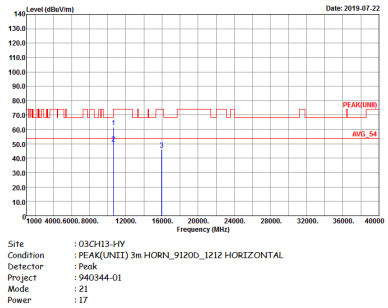
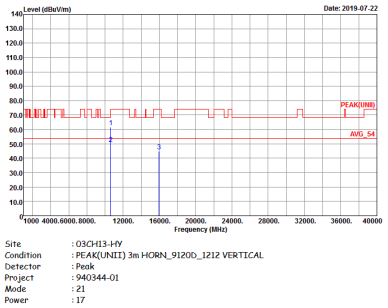
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

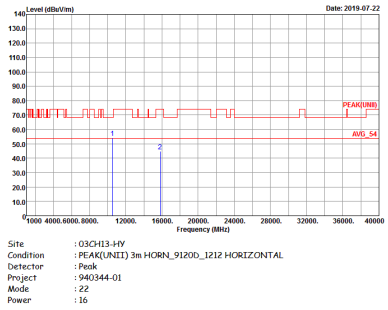
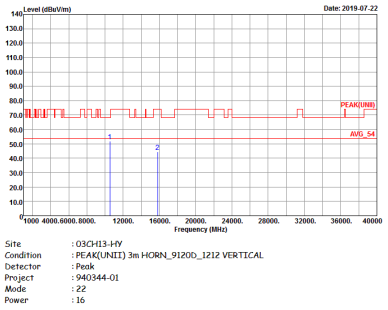
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

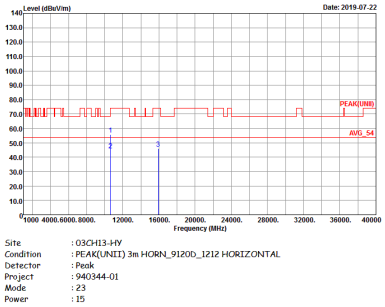
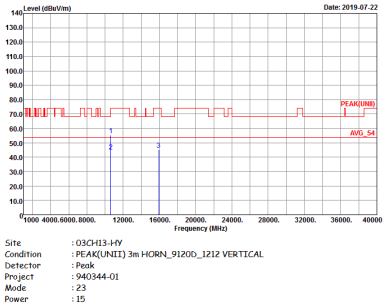
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 2 5250~5350MHz

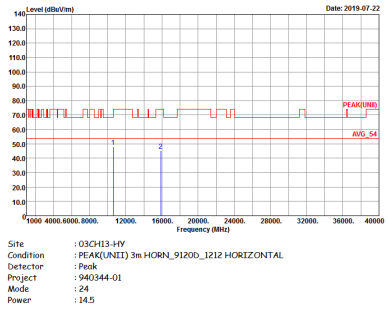
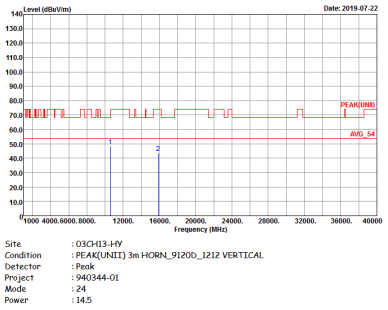
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

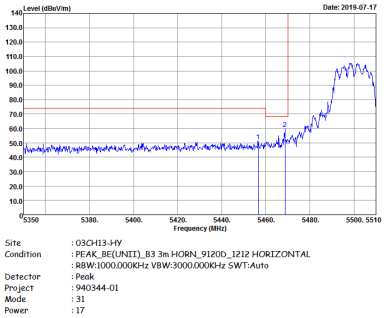
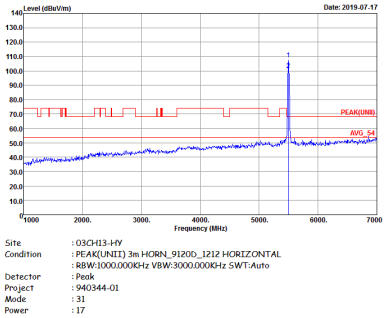
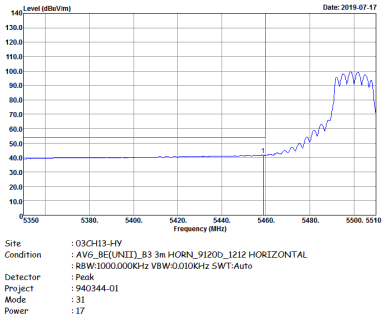
Band 2 5250~5350MHz

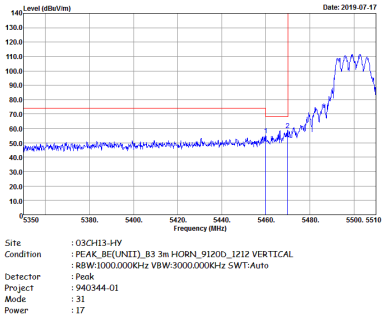
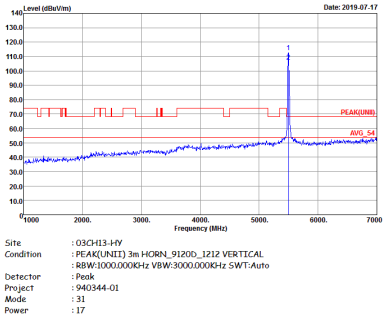
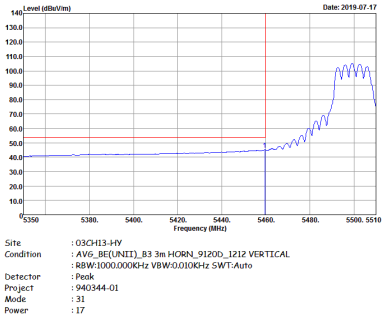
WIFI 802.11ac VHT80 (Harmonic @ 3m)

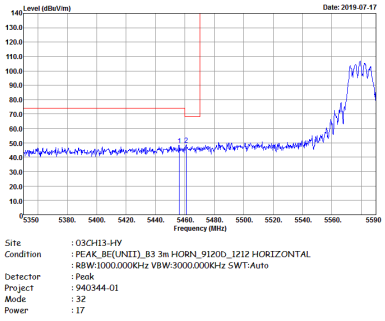
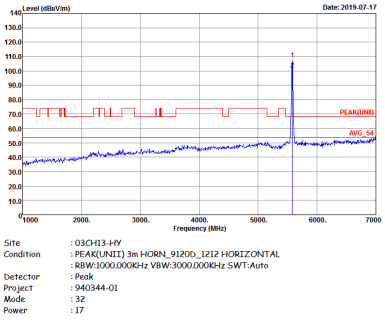
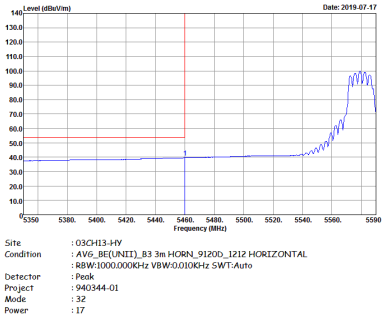
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.		

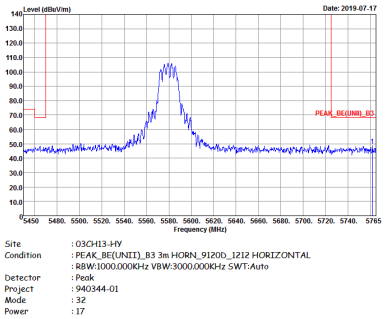
Band 3 - 5470~5725MHz

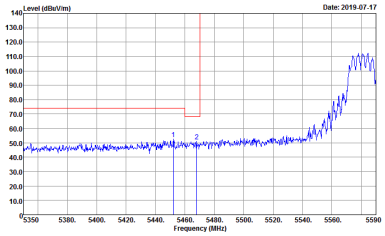
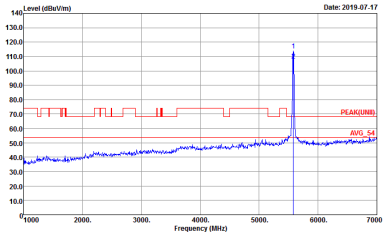
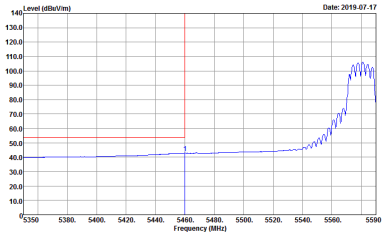
WIFI 802.11a (Band Edge @ 3m)

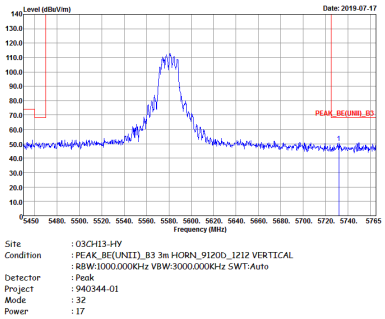
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

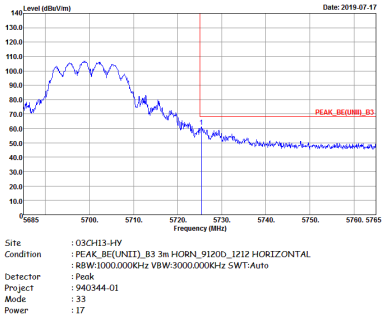
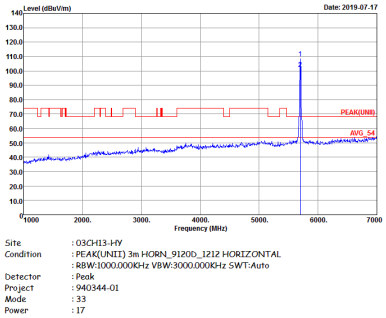
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

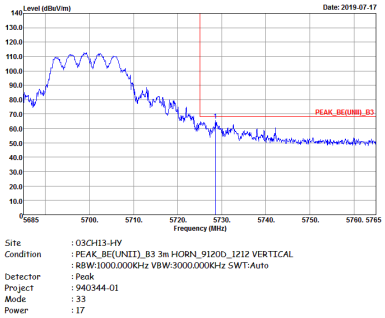
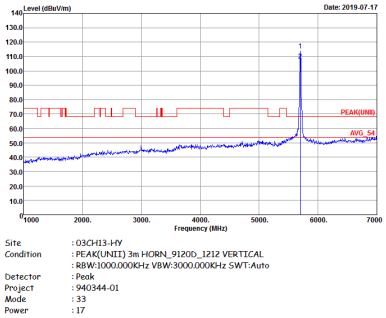
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 32 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 32 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 32 Power : 17	Left blank

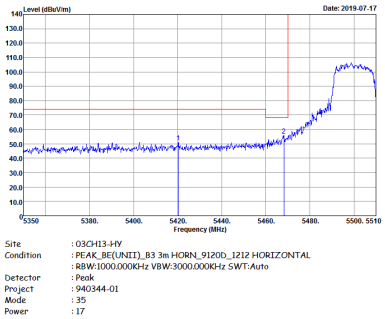
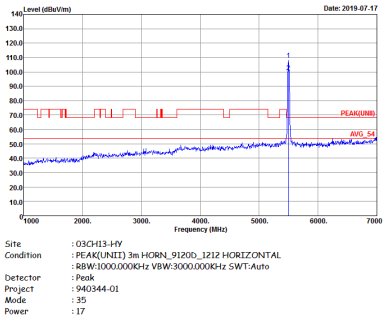
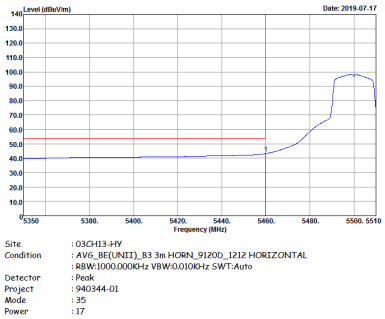
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 32 Power : 17	Left blank

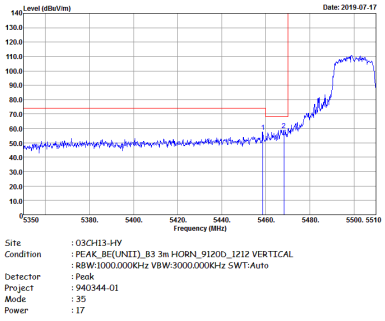
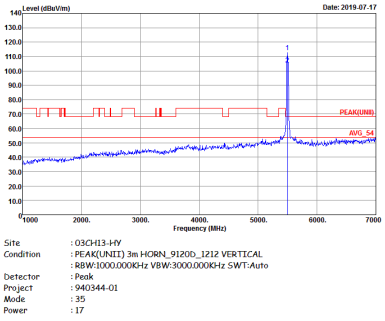
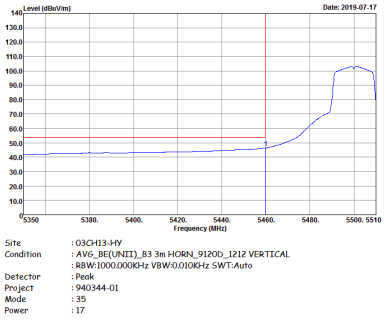
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

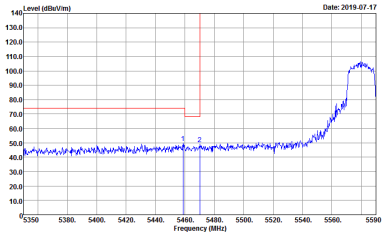
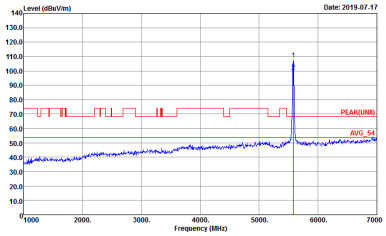
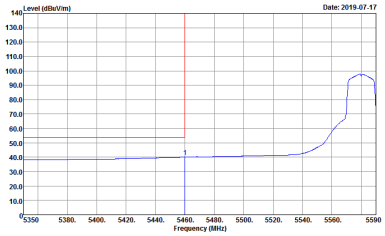
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		

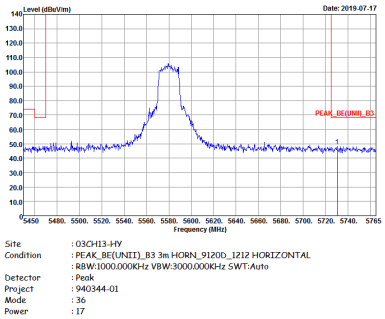
Band 3 5470~5725MHz

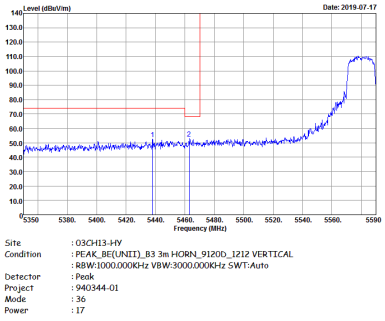
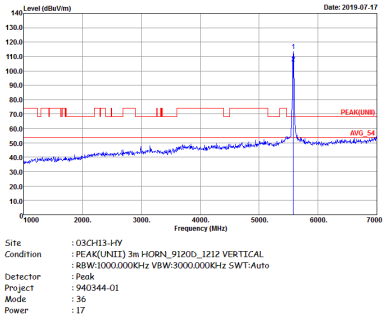
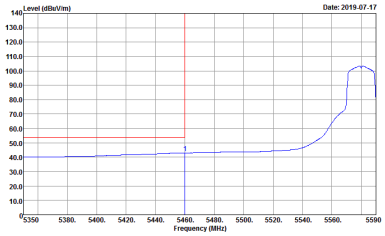
WIFI 802.11n HT20 (Band Edge @ 3m)

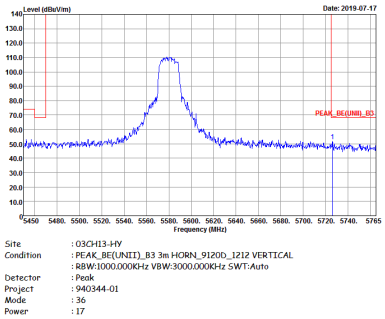
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 36 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 36 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 36 Power : 17	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 36 Power : 17	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 36 Power : 17
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 940344-01 Mode : 36 Power : 17	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak