FCC RADIO TEST REPORT

FCC ID	:	**A4RG6QU3**
Equipment	:	**Phone**
Model Name	:	**G6QU3**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jun. 05, 2020 and testing was started from Jun. 19, 2020 and completed on Jul. 10, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR050515E	01	Initial issue of report	Aug. 06, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 2.36 dB at 5350.08 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 9.28 dB at 0.213 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang

Report Producer: Cindy Liu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
Model Name	G6QU3
FCC ID	A4RG6QU3
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/ NFC/GNSS WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

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

EUT Information List	
S/N	Performed Test Item
05281FQCB00035	Conducted Emission
05281FQCB00016	Radiated Spurious Emission
05211FQCB00019	RF Conducted Measurement

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **<Ant. 4>** 802.11a : 17.70 dBm / 0.0589 W 802.11n HT20 : 17.50 dBm / 0.0562 W 802.11n HT40 : 17.10 dBm / 0.0513 W 802.11ac VHT20: 17.40 dBm / 0.0550 W 802.11ac VHT40: 17.00 dBm / 0.0501 W 802.11ac VHT80: 14.60 dBm / 0.0288 W **<Ant. 3>** 802.11a : 17.80 dBm / 0.0603 W 802.11n HT20 : 17.30 dBm / 0.0537 W 802.11n HT40 : 17.20 dBm / 0.0525 W 802.11ac VHT20: 17.20 dBm / 0.0525 W 802.11ac VHT40: 17.10 dBm / 0.0513 W 802.11ac VHT80: 14.90 dBm / 0.0309 W **MIMO <Ant. 4 + 3>** 802.11a : 20.86 dBm / 0.1219 W 802.11n HT20 : 20.66 dBm / 0.1164 W 802.11n HT40 : 20.26 dBm / 0.1062 W 802.11ac VHT20: 20.56 dBm / 0.1138 W 802.11ac VHT40: 20.16 dBm / 0.1038 W 802.11ac VHT80: 17.86 dBm / 0.0611 W **<5260 MHz ~ 5320 MHz>** **<Ant. 4>** 802.11a : 17.50 dBm / 0.0562 W 802.11n HT20 : 17.60 dBm / 0.0575 W 802.11n HT40 : 17.20 dBm / 0.0525 W 802.11ac VHT20: 17.50 dBm / 0.0562 W 802.11ac VHT40: 17.10 dBm / 0.0513 W 802.11ac VHT80: 15.90 dBm / 0.0389 W **<Ant. 3>** 802.11a : 17.20 dBm / 0.0525 W 802.11n HT20 : 17.60 dBm / 0.0575 W 802.11n HT40 : 17.10 dBm / 0.0513 W 802.11ac VHT20: 17.50 dBm / 0.0562 W 802.11ac VHT40: 17.00 dBm / 0.0501 W 802.11ac VHT80: 14.90 dBm / 0.0309 W **MIMO <Ant. 4 + 3>** 802.11a : 20.56 dBm / 0.1138 W 802.11n HT20 : 20.76 dBm / 0.1191 W 802.11n HT40 : 20.26 dBm / 0.1062 W 802.11ac VHT20: 20.66 dBm / 0.1164 W 802.11ac VHT40: 20.16 dBm / 0.1038 W 802.11ac VHT80: 18.48 dBm / 0.0705 W

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>Maximum Output Power</td><td><5500 MHz ~ 5720 MHz>
<Ant. 4>
802.11a : 18.40 dBm / 0.0692 W
802.11n HT20 : 18.20 dBm / 0.0661 W
802.11n HT40 : 17.40 dBm / 0.0550 W
802.11ac VHT20: 18.10 dBm / 0.0646 W
802.11ac VHT40: 17.30 dBm / 0.0537 W
802.11ac VHT80: 17.40 dBm / 0.0550 W
<Ant. 3>
802.11a : 17.80 dBm / 0.0603 W
802.11n HT20 : 18.10 dBm / 0.0646 W
802.11n HT40 : 17.30 dBm / 0.0537 W
802.11ac VHT20: 18.00 dBm / 0.0631 W
802.11ac VHT40: 17.20 dBm / 0.0525 W
802.11ac VHT80: 17.00 dBm / 0.0501 W
MIMO <Ant. 4 + 3>
802.11a : 21.21 dBm / 0.1321 W
802.11n HT20 : 21.31 dBm / 0.1352 W
802.11n HT40 : 20.46 dBm / 0.1112 W
802.11ac VHT20: 21.21 dBm / 0.1321 W
802.11ac VHT40: 20.36 dBm / 0.1086 W
802.11ac VHT80: 20.22 dBm / 0.1052 W</td></tr>
<tr><td>99% Occupied Bandwidth</td><td>MIMO <Ant. 4>
802.11a : 16.85 MHz
802.11n HT20 : 17.90 MHz
802.11n HT40 : 36.60 MHz
802.11ac VHT80: 77.04 MHz
MIMO <Ant. 3>
802.11a : 16.75 MHz
802.11n HT20 : 17.90 MHz
802.11n HT40 : 36.60 MHz
802.11ac VHT80: 76.92 MHz</td></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 Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 4 : Monopole Antenna with gain -0.90 dBi
Ant. 3 : PIFA Antenna with gain -0.60 dBi
<5260 MHz ~ 5320 MHz>
Ant. 4 : Monopole Antenna with gain -0.60 dBi
Ant. 3 : PIFA Antenna with gain -1.60 dBi
<5500 MHz ~ 5720 MHz >
Ant. 4 : Monopole Antenna with gain -0.80 dBi
Ant. 3 : PIFA Antenna with gain -1.40 dBi</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 4</th><th>Ant. 3</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Note: MIMO Ant. 4+3 is a calculated result from sum of the power MIMO Ant. 4 and MIMO Ant. 3.

1.3 Modification of EUT

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

1.4 Testing Location

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

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH16-HY

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

Single 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

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + 3.5mm Headset + USB Cable 2 (Charging from AC Adapter 2)
Remark: For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 1	

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

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

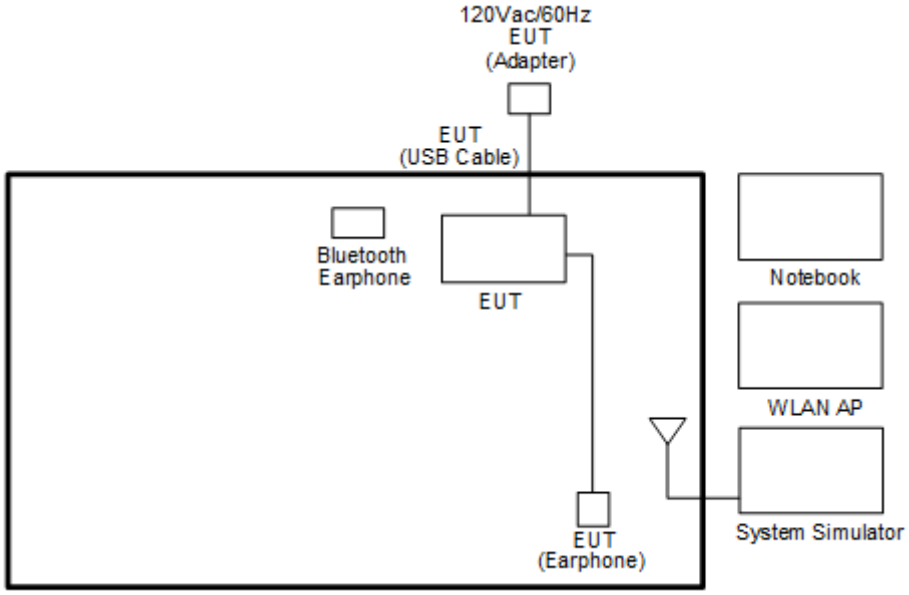
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

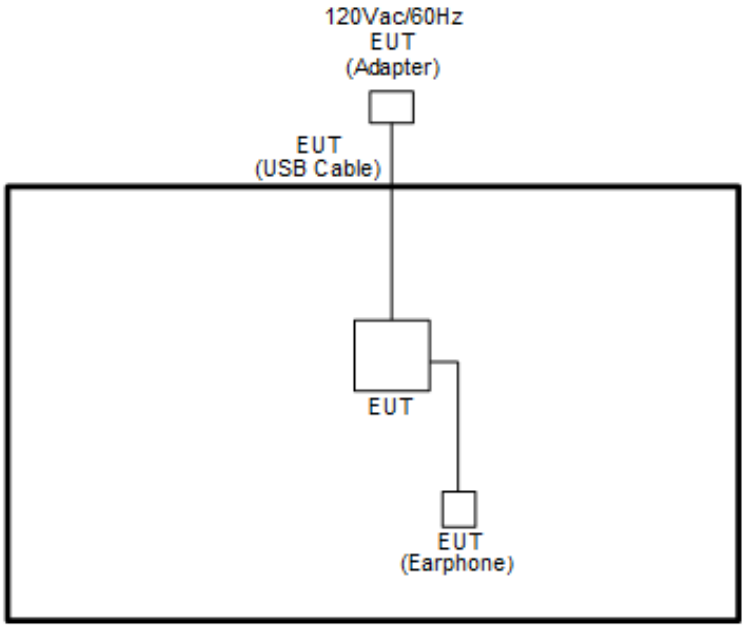
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emissions Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Wireless Earphone	Google	G1007/ G1008	A4RG1007 / A4RG1008	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0.00156 ” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

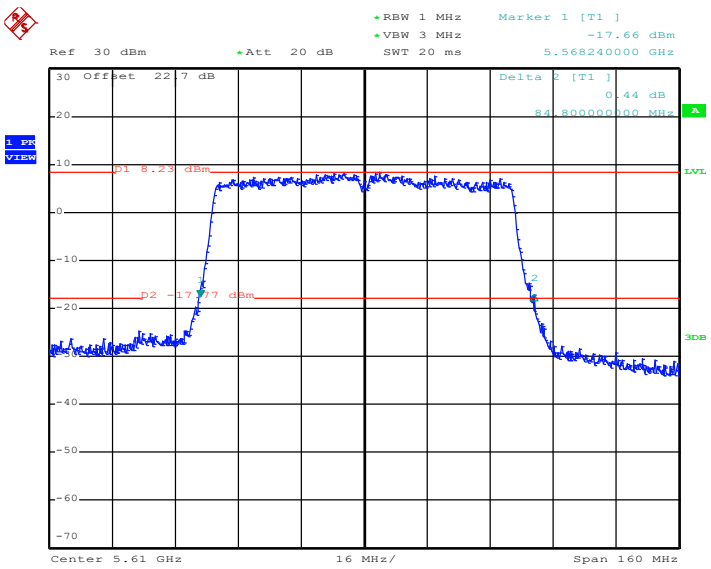
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



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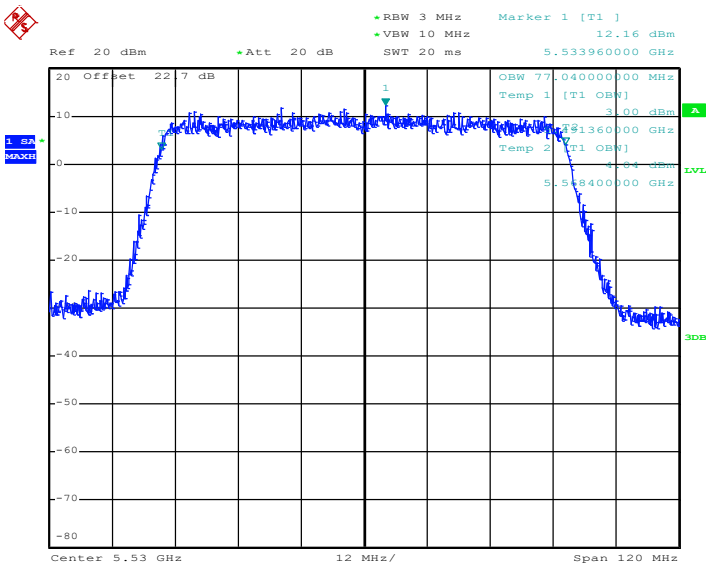
Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

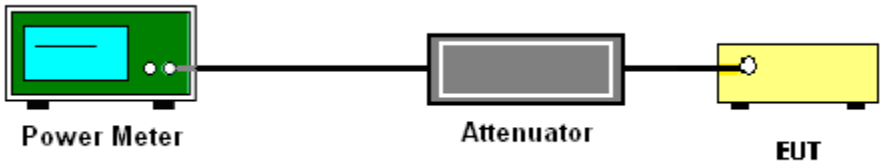
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-3 #

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

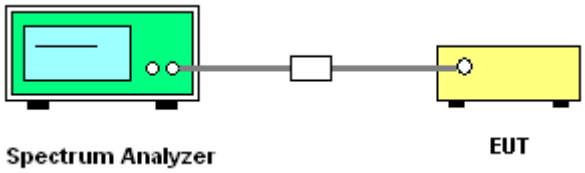
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

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

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

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

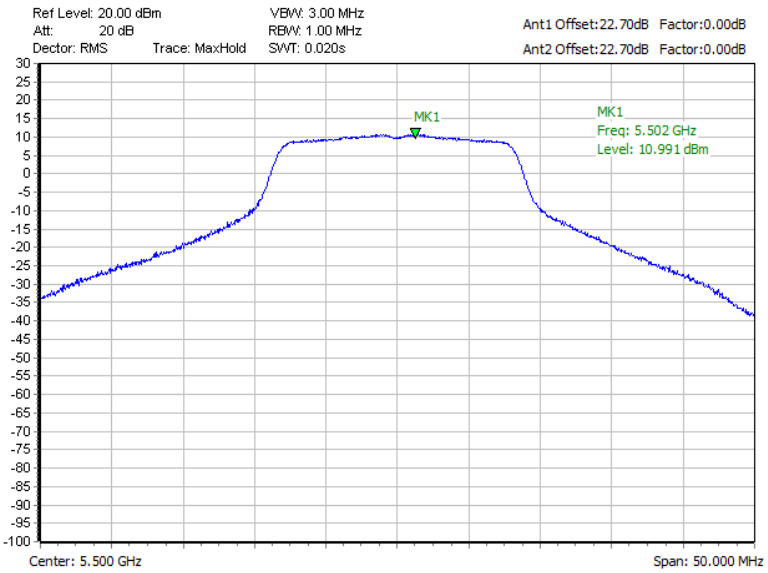
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

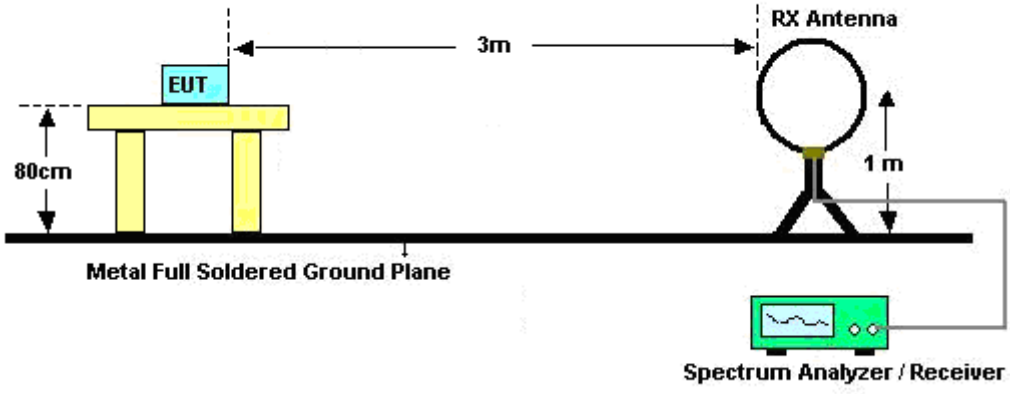
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

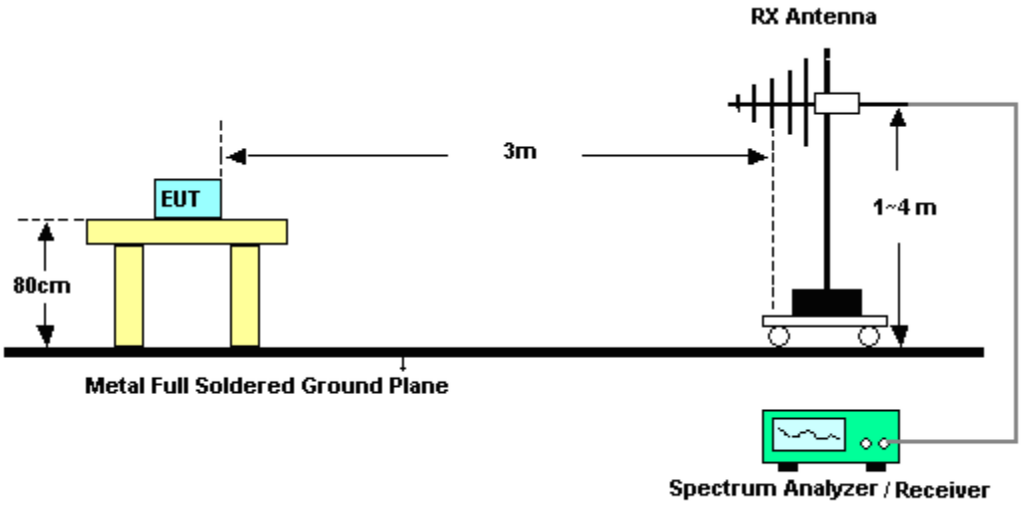
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

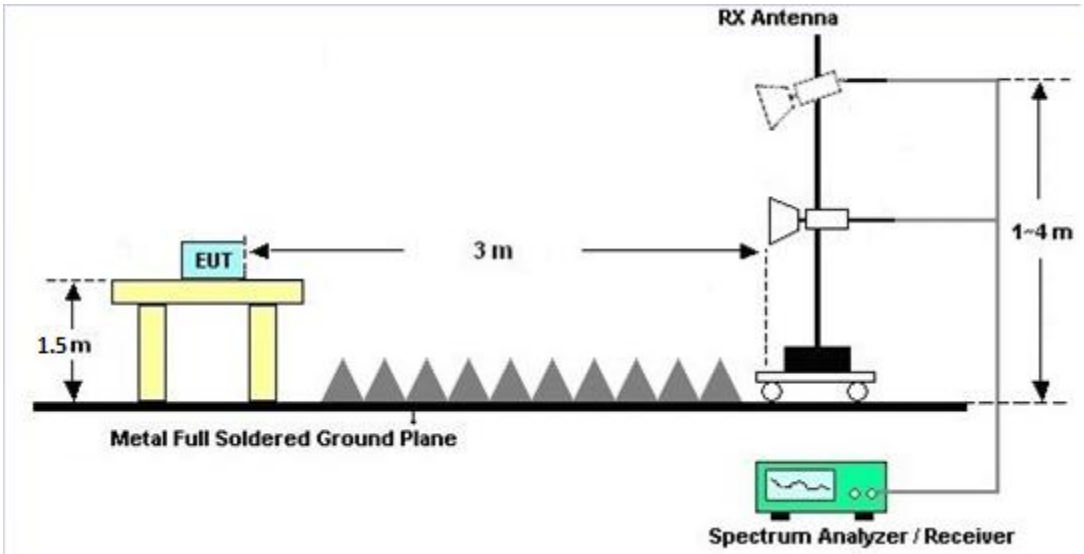
For radiated emissions below 30MHz



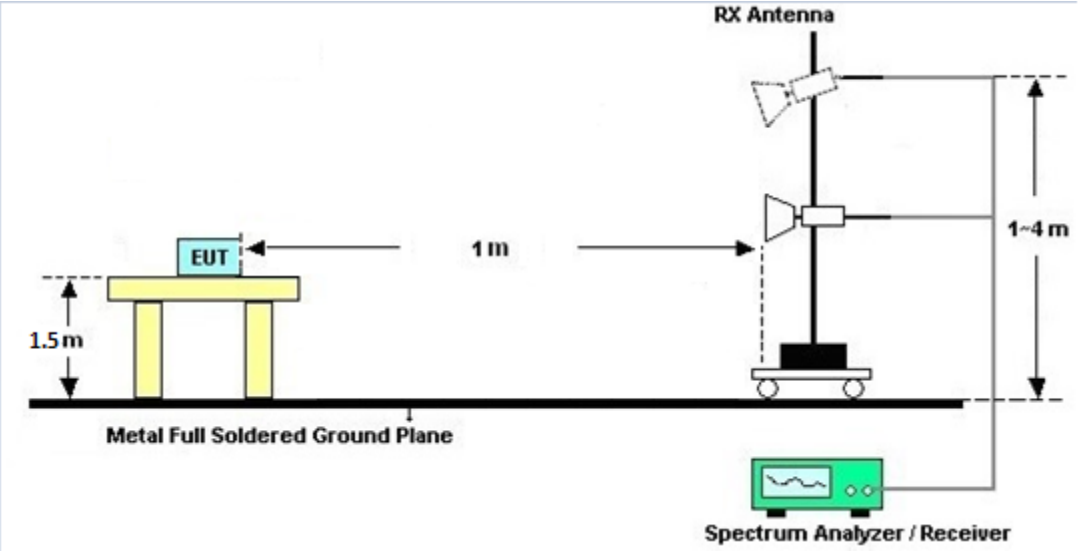
For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



For radiated emissions above 18GHz



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

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

There is 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.

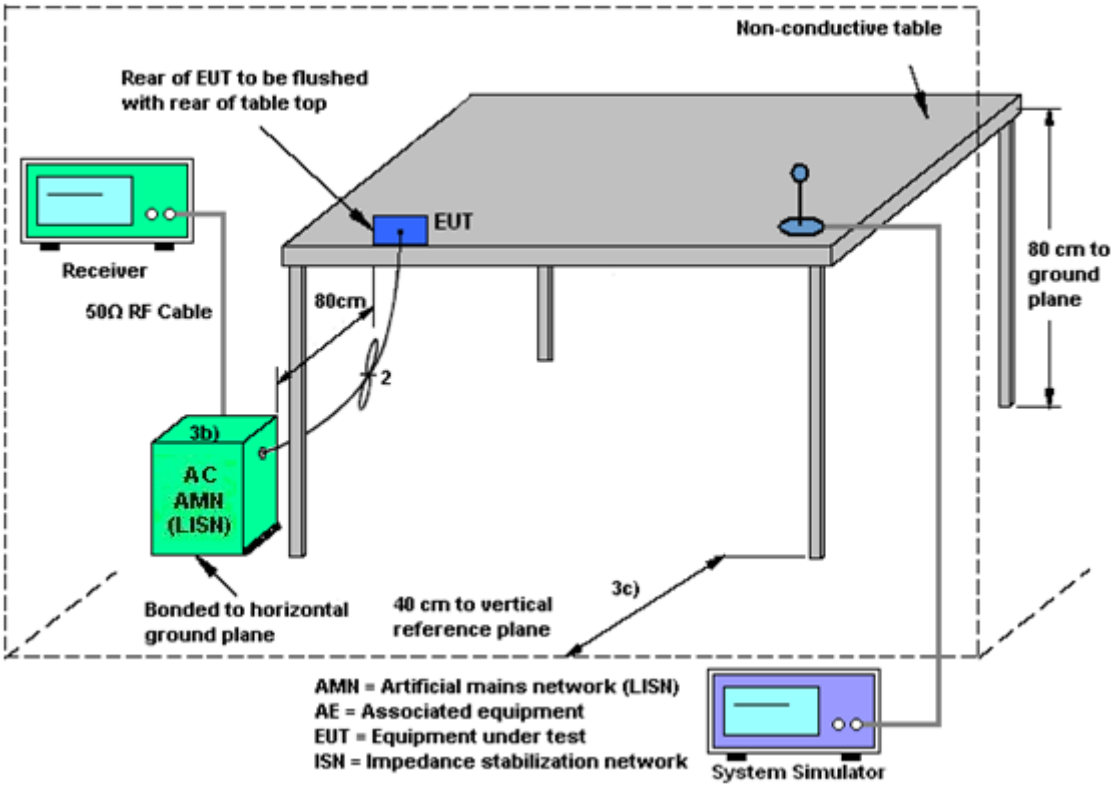
3.5.2 Measuring Instruments

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



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.

<CDD Modes>

	Ant. 4 (dBi)	Ant. 3 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-0.90	-0.60	-0.60	2.26	0.00	0.00
Band II	-0.60	-1.60	-0.60	1.92	0.00	0.00
Band III	-0.80	-1.40	-0.80	1.92	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Jun. 21, 2020~ Jul. 10, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Aug. 14, 2019	Jun. 21, 2020~ Jul. 10, 2020	Aug. 13, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Aug. 22, 2019	Jun. 21, 2020~ Jul. 10, 2020	Aug. 21, 2020	Conducted (TH05-HY)
Hygrometer	Ji Zhan	HTC-1	2	N/A	Mar. 02, 2020	Jun. 21, 2020~ Jul. 10, 2020	Mar. 01, 2021	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 19, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jun. 19, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Jun. 19, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jun. 19, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 19, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jun. 19, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jun. 19, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Jun. 19, 2020~ Jul. 08, 2020	Jan. 08, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 12, 2019	Jun. 19, 2020~ Jul. 08, 2020	Oct. 11, 2020	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 19, 2019	Jun. 19, 2020~ Jul. 08, 2020	Sep. 18, 2020	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170980	18GHz~40GHz	Jan. 10, 2020	Jun. 19, 2020~ Jul. 08, 2020	Jan. 09, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Oct. 01, 2019	Jun. 19, 2020~ Jul. 08, 2020	Sep. 30, 2020	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Jun. 19, 2020~ Jul. 08, 2020	May 06, 2021	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~40GHz	Dec. 13, 2019	Jun. 19, 2020~ Jul. 08, 2020	Dec. 12, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 11, 2019	Jun. 19, 2020~ Jul. 08, 2020	Dec. 10, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 05, 2019	Jun. 19, 2020~ Jul. 08, 2020	Dec. 04, 2020	Radiation (03CH16-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/ 4PE	NA	Aug. 30, 2019	Jun. 19, 2020~ Jul. 08, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/ 4PE	NA	Aug. 30, 2019	Jun. 19, 2020~ Jul. 08, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300 -5757	NA	Aug. 30, 2019	Jun. 19, 2020~ Jul. 08, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP162965	N/A	Oct. 25, 2019	Jun. 19, 2020~ Jul. 08, 2020	Oct. 24, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Jun. 19, 2020~ Jul. 08, 2020	N/A	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010A	MY560704 12	10Hz~7GHz	Aug. 27, 2019	Jun. 29, 2020	Aug. 26, 2020	DFS (DFS02-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.7**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.9**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu/Hank Hsu	Temperature:	21~25	°C
Test Date:	2020/6/21-2020/7/10	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	16.85	16.70	24.60	24.40	-		22.23			
11a	6Mbps	2	44	5220	16.75	16.65	24.00	23.20	-		22.21			
11a	6Mbps	2	48	5240	16.85	16.70	24.10	24.00	-		22.23			
HT20	MCS0	2	36	5180	17.90	17.90	25.45	25.80	-		22.53			
HT20	MCS0	2	44	5220	17.85	17.85	25.15	24.95	-		22.52			
HT20	MCS0	2	48	5240	17.85	17.90	25.50	25.00	-		22.52			
HT40	MCS0	2	38	5190	36.60	36.50	42.33	42.12	-		23.01			
HT40	MCS0	2	46	5230	36.60	36.50	42.12	41.76	-		23.01			
VHT80	MCS0	2	42	5210	76.80	76.80	84.32	83.84	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	36	5180	17.00	17.00		24.00	24.00	-0.90	-0.60		Pass
11a	6Mbps	1	44	5220	17.70	17.80		24.00	24.00	-0.90	-0.60		Pass
11a	6Mbps	1	48	5240	17.10	16.90		24.00	24.00	-0.90	-0.60		Pass
HT20	MCS0	1	36	5180	16.80	16.90		24.00	24.00	-0.90	-0.60		Pass
HT20	MCS0	1	44	5220	17.50	17.30		24.00	24.00	-0.90	-0.60		Pass
HT20	MCS0	1	48	5240	17.30	17.20		24.00	24.00	-0.90	-0.60		Pass
HT40	MCS0	1	38	5190	15.70	15.40		24.00	24.00	-0.90	-0.60		Pass
HT40	MCS0	1	46	5230	17.10	17.20		24.00	24.00	-0.90	-0.60		Pass
VHT20	MCS0	1	36	5180	16.70	16.80		24.00	24.00	-0.90	-0.60		Pass
VHT20	MCS0	1	44	5220	17.40	17.20		24.00	24.00	-0.90	-0.60		Pass
VHT20	MCS0	1	48	5240	17.20	17.10		24.00	24.00	-0.90	-0.60		Pass
VHT40	MCS0	1	38	5190	15.60	15.30		24.00	24.00	-0.90	-0.60		Pass
VHT40	MCS0	1	46	5230	17.00	17.10		24.00	24.00	-0.90	-0.60		Pass
VHT80	MCS0	1	42	5210	14.60	14.90		24.00	24.00	-0.90	-0.60		Pass

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	17.40	17.10	20.26	24.00		-0.60			Pass
11a	6Mbps	2	44	5220	17.90	17.80	20.86	24.00		-0.60			Pass
11a	6Mbps	2	48	5240	17.20	17.10	20.16	24.00		-0.60			Pass
HT20	MCS0	2	36	5180	17.20	17.00	20.11	24.00		-0.60			Pass
HT20	MCS0	2	44	5220	17.60	17.70	20.66	24.00		-0.60			Pass
HT20	MCS0	2	48	5240	17.30	17.40	20.36	24.00		-0.60			Pass
HT40	MCS0	2	38	5190	15.80	15.50	18.66	24.00		-0.60			Pass
HT40	MCS0	2	46	5230	17.20	17.30	20.26	24.00		-0.60			Pass
VHT20	MCS0	2	36	5180	17.10	16.90	20.01	24.00		-0.60			Pass
VHT20	MCS0	2	44	5220	17.50	17.60	20.56	24.00		-0.60			Pass
VHT20	MCS0	2	48	5240	17.20	17.30	20.26	24.00		-0.60			Pass
VHT40	MCS0	2	38	5190	15.70	15.40	18.56	24.00		-0.60			Pass
VHT40	MCS0	2	46	5230	17.10	17.20	20.16	24.00		-0.60			Pass
VHT80	MCS0	2	42	5210	14.70	15.00	17.86	24.00		-0.60			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180			10.50	11.00		2.26			Pass
11a	6Mbps	2	44	5220			10.81	11.00		2.26			Pass
11a	6Mbps	2	48	5240			10.68	11.00		2.26			Pass
HT20	MCS0	2	36	5180			10.13	11.00		2.26			Pass
HT20	MCS0	2	44	5220			10.51	11.00		2.26			Pass
HT20	MCS0	2	48	5240			10.74	11.00		2.26			Pass
HT40	MCS0	2	38	5190			6.16	11.00		2.26			Pass
HT40	MCS0	2	46	5230			7.23	11.00		2.26			Pass
VHT80	MCS0	2	42	5210			3.42	11.00		2.26			Pass

Report Number : FR050515E

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	52	5260	16.75	16.70	23.90	24.00	23.23		29.23		23.98		
11a	6Mbps	2	60	5300	16.65	16.70	24.40	24.70	23.21		29.21		23.98		
11a	6Mbps	2	64	5320	16.75	16.70	24.00	23.80	23.23		29.23		23.98		
HT20	MCS0	2	52	5260	17.90	17.85	26.15	24.90	23.52		29.52		23.98		
HT20	MCS0	2	60	5300	17.90	17.90	25.20	24.95	23.53		29.53		23.98		
HT20	MCS0	2	64	5320	17.85	17.90	25.95	25.35	23.52		29.52		23.98		
HT40	MCS0	2	54	5270	36.60	36.60	42.21	41.94	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.60	36.50	42.12	41.94	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.68	76.80	84.00	83.84	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	52	5260	17.40	17.20		23.98	23.98	-0.60	-1.60	30	Pass
11a	6Mbps	1	60	5300	17.50	16.80		23.98	23.98	-0.60	-1.60	30	Pass
11a	6Mbps	1	64	5320	17.30	16.70		23.98	23.98	-0.60	-1.60	30	Pass
HT20	MCS0	1	52	5260	17.60	17.60		23.98	23.98	-0.60	-1.60	30	Pass
HT20	MCS0	1	60	5300	17.50	17.00		23.98	23.98	-0.60	-1.60	30	Pass
HT20	MCS0	1	64	5320	17.00	16.60		23.98	23.98	-0.60	-1.60	30	Pass
HT40	MCS0	1	54	5270	17.20	17.10		23.98	23.98	-0.60	-1.60	30	Pass
HT40	MCS0	1	62	5310	16.50	16.40		23.98	23.98	-0.60	-1.60	30	Pass
VHT20	MCS0	1	52	5260	17.50	17.50		23.98	23.98	-0.60	-1.60	30	Pass
VHT20	MCS0	1	60	5300	17.40	16.90		23.98	23.98	-0.60	-1.60	30	Pass
VHT20	MCS0	1	64	5320	16.90	16.50		23.98	23.98	-0.60	-1.60	30	Pass
VHT40	MCS0	1	54	5270	17.10	17.00		23.98	23.98	-0.60	-1.60	30	Pass
VHT40	MCS0	1	62	5310	16.40	16.40		23.98	23.98	-0.60	-1.60	30	Pass
VHT80	MCS0	1	58	5290	15.90	14.90		23.98	23.98	-0.60	-1.60	30	Pass

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	17.60	17.50	20.56	23.98		-0.60		30	Pass
11a	6Mbps	2	60	5300	17.50	16.90	20.22	23.98		-0.60		30	Pass
11a	6Mbps	2	64	5320	17.40	16.80	20.12	23.98		-0.60		30	Pass
HT20	MCS0	2	52	5260	17.70	17.80	20.76	23.98		-0.60		30	Pass
HT20	MCS0	2	60	5300	17.50	17.40	20.46	23.98		-0.60		30	Pass
HT20	MCS0	2	64	5320	17.00	16.90	19.96	23.98		-0.60		30	Pass
HT40	MCS0	2	54	5270	17.30	17.20	20.26	23.98		-0.60		30	Pass
HT40	MCS0	2	62	5310	16.50	15.80	19.17	23.98		-0.60		30	Pass
VHT20	MCS0	2	52	5260	17.60	17.70	20.66	23.98		-0.60		30	Pass
VHT20	MCS0	2	60	5300	17.40	17.30	20.36	23.98		-0.60		30	Pass
VHT20	MCS0	2	64	5320	16.90	16.80	19.86	23.98		-0.60		30	Pass
VHT40	MCS0	2	54	5270	17.20	17.10	20.16	23.98		-0.60		30	Pass
VHT40	MCS0	2	62	5310	16.40	15.60	19.03	23.98		-0.60		30	Pass
VHT80	MCS0	2	58	5290	15.90	15.00	18.48	23.98		-0.60		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260			10.43	11.00		1.92			Pass
11a	6Mbps	2	60	5300			10.82	11.00		1.92			Pass
11a	6Mbps	2	64	5320			10.71	11.00		1.92			Pass
HT20	MCS0	2	52	5260			10.54	11.00		1.92			Pass
HT20	MCS0	2	60	5300			10.62	11.00		1.92			Pass
HT20	MCS0	2	64	5320			10.64	11.00		1.92			Pass
HT40	MCS0	2	54	5270			6.63	11.00		1.92			Pass
HT40	MCS0	2	62	5310			6.23	11.00		1.92			Pass
VHT80	MCS0	2	58	5290			3.35	11.00		1.92			Pass

Report Number : FR050515E

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	100	5500	16.65	16.70	24.00	23.40	23.21		29.21		23.98		----	----
11a	6Mbps	2	116	5580	16.65	16.75	23.80	23.60	23.21		29.21		23.98		----	----
11a	6Mbps	2	140	5700	16.85	16.70	25.00	24.10	23.23		29.23		23.98		----	----
HT20	MCS0	2	100	5500	17.90	17.90	25.70	26.95	23.53		29.53		23.98		----	----
HT20	MCS0	2	116	5580	17.90	17.90	25.70	25.40	23.53		29.53		23.98		----	----
HT20	MCS0	2	140	5700	17.90	17.90	25.20	25.60	23.53		29.53		23.98		----	----
HT40	MCS0	2	102	5510	36.50	36.60	42.30	42.20	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.50	36.50	42.12	42.30	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.50	36.50	42.12	42.48	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	77.04	76.92	83.68	83.52	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.92	76.80	84.16	84.80	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	144	5720	13.40	13.35	17.30	16.90	22.25		28.25		23.28		3.15	3.15
HT20	MCS0	2	144	5720	13.95	13.95	17.60	17.40	22.45		28.45		23.41		3.35	3.1
HT40	MCS0	2	142	5710	33.40	33.40	35.97	36.15	23.98		30.00		23.98		2.55	2.55
VHT80	MCS0	2	138	5690	73.52	73.40	76.44	76.44	23.98		30.00		23.98		2.56	2.62

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	100	5500	17.60	17.50		23.98	23.98	-0.80	-1.40	30	Pass
11a	6Mbps	1	116	5580	18.40	17.30		23.98	23.98	-0.80	-1.40	30	Pass
11a	6Mbps	1	140	5700	17.90	17.50		23.98	23.98	-0.80	-1.40	30	Pass
HT20	MCS0	1	100	5500	18.00	17.90		23.98	23.98	-0.80	-1.40	30	Pass
HT20	MCS0	1	116	5580	18.20	17.50		23.98	23.98	-0.80	-1.40	30	Pass
HT20	MCS0	1	140	5700	18.00	17.90		23.98	23.98	-0.80	-1.40	30	Pass
HT40	MCS0	1	102	5510	16.70	16.50		23.98	23.98	-0.80	-1.40	30	Pass
HT40	MCS0	1	110	5550	17.40	16.60		23.98	23.98	-0.80	-1.40	30	Pass
HT40	MCS0	1	134	5670	17.30	17.20		23.98	23.98	-0.80	-1.40	30	Pass
VHT20	MCS0	1	100	5500	17.90	17.80		23.98	23.98	-0.80	-1.40	30	Pass
VHT20	MCS0	1	116	5580	18.10	17.40		23.98	23.98	-0.80	-1.40	30	Pass
VHT20	MCS0	1	140	5700	17.90	17.80		23.98	23.98	-0.80	-1.40	30	Pass
VHT40	MCS0	1	102	5510	16.60	16.40		23.98	23.98	-0.80	-1.40	30	Pass
VHT40	MCS0	1	110	5550	17.30	16.50		23.98	23.98	-0.80	-1.40	30	Pass
VHT40	MCS0	1	134	5670	17.20	17.10		23.98	23.98	-0.80	-1.40	30	Pass
VHT80	MCS0	1	106	5530	15.40	15.30		23.98	23.98	-0.80	-1.40	30	Pass
VHT80	MCS0	1	122	5610	17.40	16.80		23.98	23.98	-0.80	-1.40	30	Pass

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500	18.10	18.00	21.06	23.98		-0.80		30	Pass
11a	6Mbps	2	116	5580	18.50	17.70	21.13	23.98		-0.80		30	Pass
11a	6Mbps	2	140	5700	18.20	18.00	21.11	23.98		-0.80		30	Pass
HT20	MCS0	2	100	5500	18.20	18.10	21.16	23.98		-0.80		30	Pass
HT20	MCS0	2	116	5580	18.40	17.60	21.03	23.98		-0.80		30	Pass
HT20	MCS0	2	140	5700	18.40	18.20	21.31	23.98		-0.80		30	Pass
HT40	MCS0	2	102	5510	16.80	16.60	19.71	23.98		-0.80		30	Pass
HT40	MCS0	2	110	5550	17.50	16.70	20.13	23.98		-0.80		30	Pass
HT40	MCS0	2	134	5670	17.40	17.30	20.36	23.98		-0.80		30	Pass
VHT20	MCS0	2	100	5500	18.10	18.00	21.06	23.98		-0.80		30	Pass
VHT20	MCS0	2	116	5580	18.30	17.50	20.93	23.98		-0.80		30	Pass
VHT20	MCS0	2	140	5700	18.30	18.10	21.21	23.98		-0.80		30	Pass
VHT40	MCS0	2	102	5510	16.70	16.50	19.61	23.98		-0.80		30	Pass
VHT40	MCS0	2	110	5550	17.40	16.60	20.03	23.98		-0.80		30	Pass
VHT40	MCS0	2	134	5670	17.30	17.20	20.26	23.98		-0.80		30	Pass
VHT80	MCS0	2	106	5530	15.60	15.50	18.56	23.98		-0.80		30	Pass
VHT80	MCS0	2	122	5610	17.50	16.90	20.22	23.98		-0.80		30	Pass

FCC Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	144	5720	18.10	17.80		23.38	23.28	-0.80	-1.40	30	Pass
HT20	MCS0	1	144	5720	18.20	18.10		23.46	23.41	-0.80	-1.40	30	Pass
HT40	MCS0	1	142	5710	17.40	17.30		23.98	23.98	-0.80	-1.40	30	Pass
VHT20	MCS0	1	144	5720	18.10	18.00		23.46	23.41	-0.80	-1.40	30	Pass
VHT40	MCS0	1	142	5710	17.30	17.20		23.98	23.98	-0.80	-1.40	30	Pass
VHT80	MCS0	1	138	5690	17.10	17.00		23.98	23.98	-0.80	-1.40	30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720	18.30	18.10	21.21	23.28		-0.80		30	Pass
HT20	MCS0	2	144	5720	18.30	18.20	21.26	23.41		-0.80		30	Pass
HT40	MCS0	2	142	5710	17.50	17.40	20.46	23.98		-0.80		30	Pass
VHT20	MCS0	2	144	5720	18.20	18.10	21.16	23.41		-0.80		30	Pass
VHT40	MCS0	2	142	5710	17.40	17.30	20.36	23.98		-0.80		30	Pass
VHT80	MCS0	2	138	5690	17.20	17.10	20.16	23.98		-0.80		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500			10.99	11.00		1.92			Pass
11a	6Mbps	2	116	5580			10.82	11.00		1.92			Pass
11a	6Mbps	2	140	5700			10.55	11.00		1.92			Pass
HT20	MCS0	2	100	5500			10.64	11.00		1.92			Pass
HT20	MCS0	2	116	5580			10.58	11.00		1.92			Pass
HT20	MCS0	2	140	5700			10.78	11.00		1.92			Pass
HT40	MCS0	2	102	5510			6.91	11.00		1.92			Pass
HT40	MCS0	2	110	5550			6.53	11.00		1.92			Pass
HT40	MCS0	2	134	5670			6.80	11.00		1.92			Pass
VHT80	MCS0	2	106	5530			3.20	11.00		1.92			Pass
VHT80	MCS0	2	122	5610			4.46	11.00		1.92			Pass

Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720			10.57	11.00		1.92			Pass
HT20	MCS0	2	144	5720			10.31	11.00		1.92			Pass
HT40	MCS0	2	142	5710			6.40	11.00		1.92			Pass
VHT80	MCS0	2	138	5690			4.18	11.00		1.92			Pass

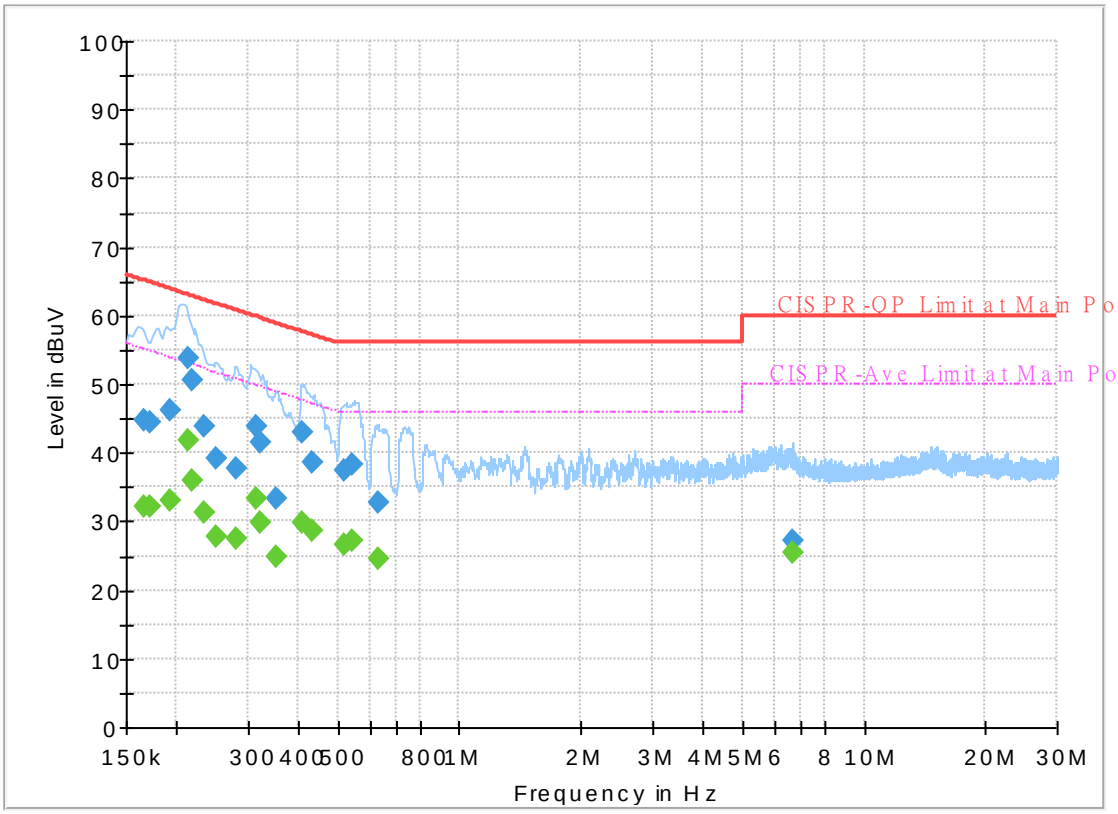
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	21~25℃
		Relative Humidity :	42~45%

EUT Information

Report NO :	050515
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

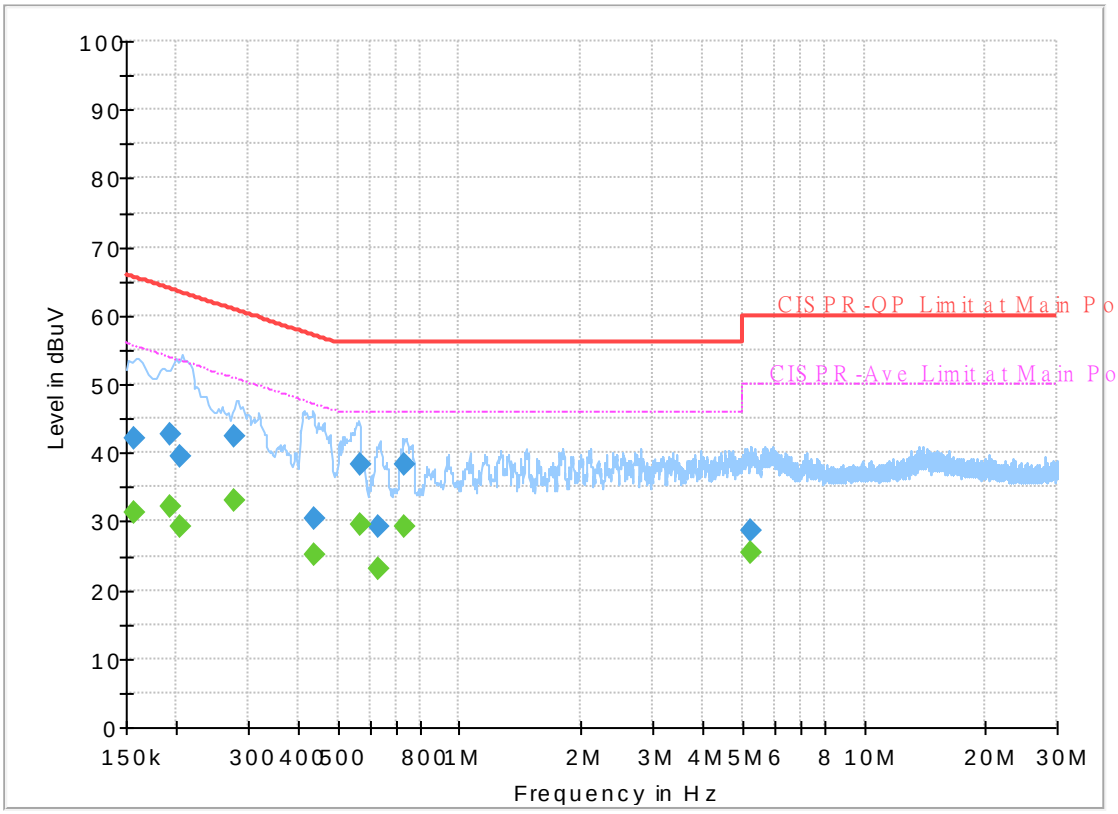
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	32.19	55.17	22.98	L1	OFF	19.6
0.165750	44.80	---	65.17	20.37	L1	OFF	19.6
0.172500	---	32.24	54.84	22.60	L1	OFF	19.6
0.172500	44.46	---	64.84	20.38	L1	OFF	19.6
0.192300	---	33.10	53.94	20.84	L1	OFF	19.6
0.192300	46.19	---	63.94	17.75	L1	OFF	19.6
0.213000	---	41.78	53.09	11.31	L1	OFF	19.6
0.213000	53.81	---	63.09	9.28	L1	OFF	19.6
0.218220	---	36.03	52.89	16.86	L1	OFF	19.6
0.218220	50.68	---	62.89	12.21	L1	OFF	19.6
0.234150	---	31.25	52.30	21.05	L1	OFF	19.6
0.234150	43.82	---	62.30	18.48	L1	OFF	19.6
0.250980	---	27.87	51.73	23.86	L1	OFF	19.6
0.250980	39.06	---	61.73	22.67	L1	OFF	19.6
0.282030	---	27.39	50.76	23.37	L1	OFF	19.6
0.282030	37.86	---	60.76	22.90	L1	OFF	19.6
0.314250	---	33.35	49.86	16.51	L1	OFF	19.6
0.314250	43.93	---	59.86	15.93	L1	OFF	19.6
0.321000	---	29.85	49.68	19.83	L1	OFF	19.6
0.321000	41.59	---	59.68	18.09	L1	OFF	19.6
0.352140	---	24.92	48.91	23.99	L1	OFF	19.6

0.352140	33.33	---	58.91	25.58	L1	OFF	19.6
0.408750	---	29.92	47.67	17.75	L1	OFF	19.6
0.408750	42.98	---	57.67	14.69	L1	OFF	19.6
0.431250	---	28.73	47.23	18.50	L1	OFF	19.6
0.431250	38.67	---	57.23	18.56	L1	OFF	19.6
0.521250	---	26.64	46.00	19.36	L1	OFF	19.6
0.521250	37.47	---	56.00	18.53	L1	OFF	19.6
0.546000	---	27.15	46.00	18.85	L1	OFF	19.6
0.546000	38.29	---	56.00	17.71	L1	OFF	19.6
0.632490	---	24.49	46.00	21.51	L1	OFF	19.6
0.632490	32.63	---	56.00	23.37	L1	OFF	19.6
6.648630	---	25.58	50.00	24.42	L1	OFF	19.9
6.648630	27.24	---	60.00	32.76	L1	OFF	19.9

EUT Information

Report NO :	050515
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)
0.156750	---	31.37	55.63	24.26	N	OFF	19.5
0.156750	42.03	---	65.63	23.60	N	OFF	19.5
0.192750	---	32.28	53.92	21.64	N	OFF	19.5
0.192750	42.62	---	63.92	21.30	N	OFF	19.5
0.204360	---	29.36	53.43	24.07	N	OFF	19.5
0.204360	39.48	---	63.43	23.95	N	OFF	19.5
0.278250	---	33.01	50.87	17.86	N	OFF	19.5
0.278250	42.50	---	60.87	18.37	N	OFF	19.5
0.438000	---	25.17	47.10	21.93	N	OFF	19.5
0.438000	30.42	---	57.10	26.68	N	OFF	19.5
0.566880	---	29.53	46.00	16.47	N	OFF	19.5
0.566880	38.39	---	56.00	17.61	N	OFF	19.5
0.631590	---	23.06	46.00	22.94	N	OFF	19.5
0.631590	29.31	---	56.00	26.69	N	OFF	19.5
0.730500	---	29.11	46.00	16.89	N	OFF	19.5
0.730500	38.38	---	56.00	17.62	N	OFF	19.5
5.240940	---	25.32	50.00	24.68	N	OFF	19.7
5.240940	28.71	---	60.00	31.29	N	OFF	19.7

Appendix C. Radiated Spurious Emission

Test Engineer :	Andy Yang, Karl Hou and CR Laio	Temperature :	20~25°C
		Relative Humidity :	50~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	56.88	-17.12	74	41.71	31.7	12.32	28.85	100	64	P	H
		5150	49.74	-4.26	54	34.57	31.7	12.32	28.85	100	64	A	H
	*	5180	109.04	-	-	93.97	31.58	12.36	28.87	100	64	P	H
	*	5180	101.67	-	-	86.6	31.58	12.36	28.87	100	64	A	H
													H
		5132.6	54.19	-19.81	74	39	31.73	12.3	28.84	102	306	P	V
		5150	45.79	-8.21	54	30.62	31.7	12.32	28.85	102	306	A	V
	*	5180	107.78	-	-	92.71	31.58	12.36	28.87	102	306	P	V
	*	5180	100.36	-	-	85.29	31.58	12.36	28.87	102	306	A	V
													V
802.11a CH 44 5220MHz		5099.32	53.91	-20.09	74	38.68	31.8	12.25	28.82	100	65	P	H
		5149.76	43.14	-10.86	54	27.97	31.7	12.32	28.85	100	65	A	H
	*	5220	109.33	-	-	94.4	31.42	12.41	28.9	100	65	P	H
	*	5220	102.38	-	-	87.45	31.42	12.41	28.9	100	65	A	H
		5454.4	53.02	-20.98	74	37.78	31.61	12.68	29.05	100	65	P	H
		5451.6	42.34	-11.66	54	27.11	31.6	12.68	29.05	100	65	A	H
		5137.28	53.7	-20.3	74	38.5	31.73	12.31	28.84	100	307	P	V
		5139.88	43.1	-10.9	54	27.91	31.72	12.31	28.84	100	307	A	V
	*	5220	108.85	-	-	93.92	31.42	12.41	28.9	100	307	P	V
	*	5220	101.71	-	-	86.78	31.42	12.41	28.9	100	307	A	V
		5365.92	52.98	-21.02	74	38.16	31.26	12.55	28.99	100	307	P	V
		5459.16	42.26	-11.74	54	27	31.62	12.69	29.05	100	307	A	V

802.11a CH 48 5240MHz		5111.54	53.17	-20.83	74	37.94	31.78	12.27	28.82	100	64	P	H
		5142.22	42.9	-11.1	54	27.71	31.72	12.31	28.84	100	64	A	H
	*	5240	109.5	-	-	94.64	31.34	12.43	28.91	100	64	P	H
	*	5240	102.18	-	-	87.32	31.34	12.43	28.91	100	64	A	H
		5429.76	52.37	-21.63	74	37.24	31.52	12.64	29.03	100	64	P	H
		5435.08	42.32	-11.68	54	27.17	31.54	12.65	29.04	100	64	A	H
		5085.8	53.76	-20.24	74	38.56	31.77	12.24	28.81	100	307	P	V
		5138.84	43.03	-10.97	54	27.84	31.72	12.31	28.84	100	307	A	V
	*	5240	109.59	-	-	94.73	31.34	12.43	28.91	100	307	P	V
	*	5240	102.77	-	-	87.91	31.34	12.43	28.91	100	307	A	V
		5425	53.24	-20.76	74	38.14	31.5	12.63	29.03	100	307	P	V
		5374.6	42.26	-11.74	54	27.4	31.3	12.56	29	100	307	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	52.1	-16.1	68.2	54.19	39.64	19.17	60.9	100	0	P	H
		15540	49.91	-24.09	74	18.35	37.94	23.82	30.2	100	0	P	H
													H
													H
		10360	50.15	-18.05	68.2	52.24	39.64	19.17	60.9	100	0	P	V
		15540	49.23	-24.77	74	49.62	37.94	24.38	62.71	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	53.61	-14.59	68.2	55.46	39.88	19.29	61.02	100	0	P	H
		15660	47.96	-26.04	74	48.25	37.46	24.38	62.13	100	0	P	H
													H
													H
		10440	52.02	-16.18	68.2	53.87	39.88	19.29	61.02	100	0	P	V
		15660	48.54	-25.46	74	48.83	37.46	24.38	62.13	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	52.39	-15.81	68.2	54.15	39.96	19.35	61.07	100	0	P	H
		15720	48	-26	74	48.17	37.3	24.37	61.84	100	0	P	H
													H
													H
		10480	51.73	-16.47	68.2	53.49	39.96	19.35	61.07	100	0	P	V
		15720	48.1	-25.9	74	48.27	37.3	24.37	61.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.16	59.53	-14.47	74	44.35	31.71	12.32	28.85	100	124	P	H
		5147.16	47.98	-6.02	54	32.8	31.71	12.32	28.85	100	124	A	H
	*	5180	106.86	-	-	91.79	31.58	12.36	28.87	100	124	P	H
	*	5180	99.38	-	-	84.31	31.58	12.36	28.87	100	124	A	H
802.11n													H
HT20													H
CH 36		5149.24	56.76	-17.24	74	41.59	31.7	12.32	28.85	101	244	P	V
5180MHz		5149.5	46.89	-7.11	54	31.72	31.7	12.32	28.85	101	244	A	V
	*	5180	106.77	-	-	91.7	31.58	12.36	28.87	101	244	P	V
	*	5180	99.05	-	-	83.98	31.58	12.36	28.87	101	244	A	V
													V
													V
		5098.8	54.68	-19.32	74	39.45	31.8	12.25	28.82	100	124	P	H
		5144.3	43.27	-10.73	54	28.1	31.71	12.31	28.85	100	124	A	H
	*	5220	109.71	-	-	94.78	31.42	12.41	28.9	100	124	P	H
	*	5220	102.41	-	-	87.48	31.42	12.41	28.9	100	124	A	H
802.11n		5379.08	53.79	-20.21	74	38.91	31.32	12.56	29	100	124	P	H
HT20		5405.96	42.43	-11.57	54	27.44	31.42	12.59	29.02	100	124	A	H
CH 44		5041.86	53.24	-20.76	74	38.17	31.67	12.18	28.78	100	246	P	V
5220MHz		5144.82	43.35	-10.65	54	28.17	31.71	12.32	28.85	100	246	A	V
	*	5220	109.62	-	-	94.69	31.42	12.41	28.9	100	246	P	V
	*	5220	102.37	-	-	87.44	31.42	12.41	28.9	100	246	A	V
		5393.36	53.14	-20.86	74	38.21	31.37	12.57	29.01	100	246	P	V
		5402.6	42.59	-11.41	54	27.62	31.41	12.58	29.02	100	246	A	V

		5055.12	53.52	-20.48	74	38.41	31.71	12.19	28.79	100	124	P	H
		5104.78	43.2	-10.8	54	27.97	31.79	12.26	28.82	100	124	A	H
	*	5240	110.33	-	-	95.47	31.34	12.43	28.91	100	124	P	H
	*	5240	102.85	-	-	87.99	31.34	12.43	28.91	100	124	A	H
802.11n		5459.72	52.93	-21.07	74	37.67	31.62	12.69	29.05	100	124	P	H
HT20		5437.6	42.48	-11.52	54	27.32	31.55	12.65	29.04	100	124	A	H
CH 48		5079.3	54.1	-19.9	74	38.91	31.76	12.23	28.8	102	245	P	V
5240MHz		5143.26	43.04	-10.96	54	27.86	31.71	12.31	28.84	102	245	A	V
	*	5240	109.7	-	-	94.84	31.34	12.43	28.91	102	245	P	V
	*	5240	102.23	-	-	87.37	31.34	12.43	28.91	102	245	A	V
		5456.08	52.44	-21.56	74	37.19	31.61	12.69	29.05	102	245	P	V
		5392.8	42.42	-11.58	54	27.49	31.37	12.57	29.01	102	245	A	V

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

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	49.86	-18.34	68.2	51.95	39.64	19.17	60.9	100	0	P	H
		15540	48.6	-25.4	74	48.99	37.94	24.38	62.71	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	50.55	-17.65	68.2	52.64	39.64	19.17	60.9	100	0	P	V
5180MHz		15540	49.24	-24.76	74	49.63	37.94	24.38	62.71	100	0	P	V
													V
													V
		10440	52.92	-15.28	68.2	54.77	39.88	19.29	61.02	100	0	P	H
		15660	48.62	-25.38	74	48.91	37.46	24.38	62.13	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	51.07	-17.13	68.2	52.92	39.88	19.29	61.02	100	0	P	V
5220MHz		15660	47.91	-26.09	74	48.2	37.46	24.38	62.13	100	0	P	V
													V
													V
		10480	53.19	-15.01	68.2	54.95	39.96	19.35	61.07	100	0	P	H
		15720	48.24	-25.76	74	48.41	37.3	24.37	61.84	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	52.05	-16.15	68.2	53.81	39.96	19.35	61.07	100	0	P	V
5240MHz		15720	47.97	-26.03	74	48.14	37.3	24.37	61.84	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5145.34	56.39	-17.61	74	41.21	31.71	12.32	28.85	100	124	P	H
		5145.34	48.63	-5.37	54	33.45	31.71	12.32	28.85	100	124	A	H
	*	5190	105.31	-	-	90.27	31.54	12.38	28.88	100	124	P	H
	*	5190	97.78	-	-	82.74	31.54	12.38	28.88	100	124	A	H
		5379.08	52.67	-21.33	74	37.79	31.32	12.56	29	100	124	P	H
		5396.44	43.91	-10.09	54	28.95	31.39	12.58	29.01	100	124	A	H
		5148.98	56.52	-17.48	74	41.35	31.7	12.32	28.85	100	282	P	V
		5149.76	48.64	-5.36	54	33.47	31.7	12.32	28.85	100	282	A	V
	*	5190	104.83	-	-	89.79	31.54	12.38	28.88	100	282	P	V
	*	5190	97.36	-	-	82.32	31.54	12.38	28.88	100	282	A	V
		5453	52.92	-21.08	74	37.68	31.61	12.68	29.05	100	282	P	V
		5362.56	43.6	-10.4	54	28.8	31.25	12.54	28.99	100	282	A	V
802.11n HT40 CH 46 5230MHz		5124.54	54.49	-19.51	74	39.28	31.75	12.29	28.83	101	124	P	H
		5148.2	44.36	-9.64	54	29.19	31.7	12.32	28.85	101	124	A	H
	*	5230	106.67	-	-	91.77	31.38	12.42	28.9	101	124	P	H
	*	5230	99.09	-	-	84.19	31.38	12.42	28.9	101	124	A	H
		5422.48	53.48	-20.52	74	38.4	31.49	12.62	29.03	101	124	P	H
		5356.96	43.23	-10.77	54	28.45	31.23	12.54	28.99	101	124	A	H
		5042.12	53.36	-20.64	74	38.29	31.67	12.18	28.78	100	281	P	V
		5146.9	44.43	-9.57	54	29.25	31.71	12.32	28.85	100	281	A	V
	*	5230	106.45	-	-	91.55	31.38	12.42	28.9	100	281	P	V
	*	5230	98.32	-	-	83.42	31.38	12.42	28.9	100	281	A	V
		5440.4	52.28	-21.72	74	37.1	31.56	12.66	29.04	100	281	P	V
		5366.2	43.51	-10.49	54	28.69	31.26	12.55	28.99	100	281	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	51.37	-16.83	68.2	53.38	39.72	19.2	60.93	100	0	P	H
		15570	48.5	-25.5	74	48.86	37.82	24.38	62.56	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	50.1	-18.1	68.2	52.11	39.72	19.2	60.93	100	0	P	V
5190MHz		15570	48.8	-25.2	74	49.16	37.82	24.38	62.56	100	0	P	V
													V
													V
		10460	50.6	-17.6	68.2	52.4	39.92	19.32	61.04	100	0	P	H
		15690	47.53	-26.47	74	47.81	37.34	24.37	61.99	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	50.85	-17.35	68.2	52.65	39.92	19.32	61.04	100	0	P	V
5230MHz		15690	48.04	-25.96	74	48.32	37.34	24.37	61.99	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5133.9	58.55	-15.45	74	43.36	31.73	12.3	28.84	102	123	P	H
		5132.34	49.97	-4.03	54	34.77	31.74	12.3	28.84	102	123	A	H
	*	5210	101.5	-	-	86.53	31.46	12.4	28.89	102	123	P	H
	*	5210	94.63	-	-	79.66	31.46	12.4	28.89	102	123	A	H
		5354.16	52.99	-21.01	74	38.21	31.22	12.54	28.98	102	123	P	H
		5356.96	44.03	-9.97	54	29.25	31.23	12.54	28.99	102	123	A	H
		5139.36	58.07	-15.93	74	42.88	31.72	12.31	28.84	100	265	P	V
		5150	49.91	-4.09	54	34.74	31.7	12.32	28.85	100	265	A	V
	*	5210	102.88	-	-	87.91	31.46	12.4	28.89	100	265	P	V
	*	5210	95.35	-	-	80.38	31.46	12.4	28.89	100	265	A	V
		5440.4	53.45	-20.55	74	38.27	31.56	12.66	29.04	100	265	P	V
		5363.68	44.18	-9.82	54	29.37	31.25	12.55	28.99	100	265	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	48.54	-19.66	68.2	50.43	39.84	19.26	60.99	100	0	P	H
		15630	48.54	-25.46	74	48.87	37.58	24.37	62.28	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	50.51	-17.69	68.2	52.4	39.84	19.26	60.99	100	0	P	V
5210MHz		15630	48.28	-25.72	74	48.61	37.58	24.37	62.28	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5043.52	53.3	-20.7	74	38.23	31.67	12.18	28.78	101	124	P	H
		5049.3	42.73	-11.27	54	27.62	31.7	12.19	28.78	101	124	A	H
	*	5260	110.18	-	-	95.35	31.3	12.45	28.92	101	124	P	H
	*	5260	103.49	-	-	88.66	31.3	12.45	28.92	101	124	A	H
		5377.92	53.18	-20.82	74	38.31	31.31	12.56	29	101	124	P	H
		5449.2	42.19	-11.81	54	26.97	31.6	12.67	29.05	101	124	A	H
		5001.36	53.31	-20.69	74	38.43	31.51	12.12	28.75	106	281	P	V
		5145.18	42.82	-11.18	54	27.64	31.71	12.32	28.85	106	281	A	V
	*	5260	110.21	-	-	95.38	31.3	12.45	28.92	106	281	P	V
	*	5260	103.18	-	-	88.35	31.3	12.45	28.92	106	281	A	V
		5440.56	53.09	-20.91	74	37.91	31.56	12.66	29.04	106	281	P	V
		5395.2	42.31	-11.69	54	27.36	31.38	12.58	29.01	106	281	A	V
802.11a CH 60 5300MHz		5044.88	53.59	-20.41	74	38.51	31.68	12.18	28.78	100	123	P	H
		5125.8	43.07	-10.93	54	27.86	31.75	12.29	28.83	100	123	A	H
	*	5300	110.98	-	-	96.14	31.3	12.49	28.95	100	123	P	H
	*	5300	103.97	-	-	89.13	31.3	12.49	28.95	100	123	A	H
		5357.28	53.66	-20.34	74	38.88	31.23	12.54	28.99	100	123	P	H
		5350.32	44.28	-9.72	54	29.53	31.2	12.53	28.98	100	123	A	H
		5035.02	54.07	-19.93	74	39.03	31.64	12.17	28.77	103	281	P	V
		5149.6	42.94	-11.06	54	27.77	31.7	12.32	28.85	103	281	A	V
	*	5300	111.44	-	-	96.6	31.3	12.49	28.95	103	281	P	V
	*	5300	104.35	-	-	89.51	31.3	12.49	28.95	103	281	A	V
		5351.28	53.87	-20.13	74	39.11	31.21	12.53	28.98	103	281	P	V
		5351.52	44.16	-9.84	54	29.4	31.21	12.53	28.98	103	281	A	V

802.11a CH 64 5320MHz	*	5320	110.92	-	-	96.12	31.26	12.5	28.96	100	123	P	H
	*	5320	102.99	-	-	88.19	31.26	12.5	28.96	100	123	A	H
		5352.48	59.37	-14.63	74	44.61	31.21	12.53	28.98	100	123	P	H
		5352.8	50.41	-3.59	54	35.64	31.21	12.54	28.98	100	123	A	H
													H
													H
	*	5320	112.28	-	-	97.48	31.26	12.5	28.96	100	288	P	V
	*	5320	104.46	-	-	89.66	31.26	12.5	28.96	100	288	A	V
		5350.08	59.78	-14.22	74	45.03	31.2	12.53	28.98	100	288	P	V
		5350.08	51.25	-2.75	54	36.5	31.2	12.53	28.98	100	288	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	53.34	-14.86	68.2	55.02	40	19.42	61.1	100	0	P	H
		15780	47.65	-26.35	74	47.54	37.3	24.37	61.56	100	0	P	H
													H
													H
		10520	51.55	-16.65	68.2	53.23	40	19.42	61.1	100	0	P	V
		15780	48.17	-25.83	74	48.06	37.3	24.37	61.56	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	58.9	-15.1	74	60.46	40	19.54	61.1	195	358	P	H
		10600	49.22	-4.78	54	50.78	40	19.54	61.1	195	358	A	H
		15900	46.89	-27.11	74	46.41	37.1	24.36	60.98	100	0	P	H
													H
		10600	57.42	-16.58	74	58.98	40	19.54	61.1	191	318	P	V
		10600	47.48	-6.52	54	49.04	40	19.54	61.1	191	318	A	V
		15900	47	-27	74	46.52	37.1	24.36	60.98	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	58.81	-15.19	74	60.31	40	19.6	61.1	190	358	P	H
		10640	48.07	-5.93	54	49.57	40	19.6	61.1	190	358	A	H
		15960	47.47	-26.53	74	46.76	37.04	24.36	60.69	100	0	P	H
													H
		10640	57.19	-16.81	74	58.69	40	19.6	61.1	184	317	P	V
		10640	46.74	-7.26	54	48.24	40	19.6	61.1	184	317	A	V
		15960	47.69	-26.31	74	46.98	37.04	24.36	60.69	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5069.36	54.57	-19.43	74	39.42	31.74	12.21	28.8	100	122	P	H
		5106.42	43.49	-10.51	54	28.26	31.79	12.26	28.82	100	122	A	H
	*	5260	111.27	-	-	96.44	31.3	12.45	28.92	100	122	P	H
	*	5260	102.89	-	-	88.06	31.3	12.45	28.92	100	122	A	H
802.11n		5375.04	53.7	-20.3	74	38.84	31.3	12.56	29	100	122	P	H
HT20		5441.04	43.06	-10.94	54	27.88	31.56	12.66	29.04	100	122	A	H
CH 52		5118.32	53.86	-20.14	74	38.65	31.76	12.28	28.83	100	282	P	V
5260MHz		5094.18	43.54	-10.46	54	28.31	31.79	12.25	28.81	100	282	A	V
	*	5260	112.36	-	-	97.53	31.3	12.45	28.92	100	282	P	V
	*	5260	104.19	-	-	89.36	31.3	12.45	28.92	100	282	A	V
		5433.36	53.26	-20.74	74	38.13	31.53	12.64	29.04	100	282	P	V
		5438.64	43	-11	54	27.84	31.55	12.65	29.04	100	282	A	V
		5113.22	54.08	-19.92	74	38.86	31.77	12.27	28.82	100	123	P	H
		5108.12	43.64	-10.36	54	28.41	31.78	12.27	28.82	100	123	A	H
	*	5300	110.96	-	-	96.12	31.3	12.49	28.95	100	123	P	H
	*	5300	102.93	-	-	88.09	31.3	12.49	28.95	100	123	A	H
802.11n		5360.88	53.57	-20.43	74	38.78	31.24	12.54	28.99	100	123	P	H
HT20		5351.52	44.48	-9.52	54	29.72	31.21	12.53	28.98	100	123	A	H
CH 60		5046.92	53.45	-20.55	74	38.36	31.69	12.18	28.78	100	282	P	V
5300MHz		5088.06	43.54	-10.46	54	28.33	31.78	12.24	28.81	100	282	A	V
	*	5300	113.31	-	-	98.47	31.3	12.49	28.95	100	282	P	V
	*	5300	105.33	-	-	90.49	31.3	12.49	28.95	100	282	A	V
		5429.28	54.13	-19.87	74	39	31.52	12.64	29.03	100	282	P	V
		5352	44.41	-9.59	54	29.65	31.21	12.53	28.98	100	282	A	V

	*	5320	110.92	-	-	96.12	31.26	12.5	28.96	100	122	P	H
	*	5320	102.98	-	-	88.18	31.26	12.5	28.96	100	122	A	H
		5364.48	58.81	-15.19	74	43.99	31.26	12.55	28.99	100	122	P	H
		5350.24	47.36	-6.64	54	32.61	31.2	12.53	28.98	100	122	A	H
802.11n													H
HT20													H
CH 64	*	5320	112.03	-	-	97.23	31.26	12.5	28.96	100	282	P	V
5320MHz	*	5320	103.75	-	-	88.95	31.26	12.5	28.96	100	282	A	V
		5351.36	59.36	-14.64	74	44.6	31.21	12.53	28.98	100	282	P	V
		5350.08	50.98	-3.02	54	36.23	31.2	12.53	28.98	100	282	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	55.04	-13.16	68.2	56.72	40	19.42	61.1	100	0	P	H
		15780	47.74	-26.26	74	47.63	37.3	24.37	61.56	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	51.77	-16.43	68.2	53.45	40	19.42	61.1	100	0	P	V
5260MHz		15780	48.29	-25.71	74	48.18	37.3	24.37	61.56	100	0	P	V
													V
													V
		10600	58.31	-15.69	74	59.87	40	19.54	61.1	191	359	P	H
		10600	47.73	-6.27	54	49.29	40	19.54	61.1	191	359	A	H
802.11n		15900	47.03	-26.97	74	46.55	37.1	24.36	60.98	100	0	P	H
HT20													H
CH 60		10600	57.3	-16.7	74	58.86	40	19.54	61.1	196	317	P	V
5300MHz		10600	46.6	-7.4	54	48.16	40	19.54	61.1	196	317	A	V
		15900	46.82	-27.18	74	46.34	37.1	24.36	60.98	100	0	P	V
													V
		10640	59.28	-14.72	74	60.78	40	19.6	61.1	193	359	P	H
		10640	48.55	-5.45	54	50.05	40	19.6	61.1	193	359	A	H
802.11n		15960	47.8	-26.2	74	47.09	37.04	24.36	60.69	100	0	P	H
HT20													H
CH 64		10640	57.53	-16.47	74	59.03	40	19.6	61.1	200	315	P	V
5320MHz		10640	47.13	-6.87	54	48.63	40	19.6	61.1	200	315	A	V
		15960	47.24	-26.76	74	46.53	37.04	24.36	60.69	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5134.98	54.12	-19.88	74	38.93	31.73	12.3	28.84	100	121	P	H
		5072.42	44.42	-9.58	54	29.26	31.74	12.22	28.8	100	121	A	H
	*	5270	107.48	-	-	92.65	31.3	12.46	28.93	100	121	P	H
	*	5270	99.87	-	-	85.04	31.3	12.46	28.93	100	121	A	H
		5363.04	53.81	-20.19	74	39.01	31.25	12.54	28.99	100	121	P	H
		5350.08	45.38	-8.62	54	30.63	31.2	12.53	28.98	100	121	A	H
		5102.34	53.51	-20.49	74	38.27	31.8	12.26	28.82	100	280	P	V
		5134.3	44.6	-9.4	54	29.41	31.73	12.3	28.84	100	280	A	V
	*	5270	107.83	-	-	93	31.3	12.46	28.93	100	280	P	V
	*	5270	100.77	-	-	85.94	31.3	12.46	28.93	100	280	A	V
		5352	54.23	-19.77	74	39.47	31.21	12.53	28.98	100	280	P	V
		5350.32	45.97	-8.03	54	31.22	31.2	12.53	28.98	100	280	A	V
802.11n HT40 CH 62 5310MHz		5071.4	53.31	-20.69	74	38.15	31.74	12.22	28.8	100	122	P	H
		5081.6	44.75	-9.25	54	29.56	31.76	12.23	28.8	100	122	A	H
	*	5310	107.18	-	-	92.36	31.28	12.49	28.95	100	122	P	H
	*	5310	99.65	-	-	84.83	31.28	12.49	28.95	100	122	A	H
		5352.24	55.81	-18.19	74	41.05	31.21	12.53	28.98	100	122	P	H
		5350.8	49.77	-4.23	54	35.02	31.2	12.53	28.98	100	122	A	H
		5038.76	53.94	-20.06	74	38.89	31.66	12.17	28.78	100	282	P	V
		5109.82	44.36	-9.64	54	29.13	31.78	12.27	28.82	100	282	A	V
	*	5310	108.38	-	-	93.56	31.28	12.49	28.95	100	282	P	V
	*	5310	101.07	-	-	86.25	31.28	12.49	28.95	100	282	A	V
		5350.8	57.55	-16.45	74	42.8	31.2	12.53	28.98	100	282	P	V
		5350.08	51.64	-2.36	54	36.89	31.2	12.53	28.98	100	282	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	49.99	-18.21	68.2	51.64	40	19.45	61.1	100	0	P	H
		15810	47.61	-26.39	74	47.37	37.28	24.37	61.41	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	50.7	-17.5	68.2	52.35	40	19.45	61.1	100	0	P	V
5270MHz		15810	47.35	-26.65	74	47.11	37.28	24.37	61.41	100	0	P	V
													V
													V
		10620	53.35	-20.65	74	54.88	40	19.57	61.1	194	359	P	H
		10620	43.36	-10.64	54	44.89	40	19.57	61.1	194	359	A	H
802.11n		15930	47.72	-26.28	74	47.12	37.07	24.37	60.84	100	0	P	H
HT40													H
CH 62		10620	52.26	-21.74	74	53.79	40	19.57	61.1	198	316	P	V
5310MHz		10620	42.65	-11.35	54	44.18	40	19.57	61.1	198	316	A	V
		15930	47.53	-26.47	74	46.93	37.07	24.37	60.84	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5072.76	52.51	-21.49	74	37.34	31.75	12.22	28.8	100	123	P	H
		5095.54	44.9	-9.1	54	29.67	31.79	12.25	28.81	100	123	A	H
	*	5290	103.53	-	-	88.69	31.3	12.48	28.94	100	123	P	H
	*	5290	96.35	-	-	81.51	31.3	12.48	28.94	100	123	A	H
		5350.08	57.05	-16.95	74	42.3	31.2	12.53	28.98	100	123	P	H
		5350.08	50.1	-3.9	54	35.35	31.2	12.53	28.98	100	123	A	H
		5090.1	55.72	-18.28	74	40.51	31.78	12.24	28.81	100	267	P	V
		5132.26	44.72	-9.28	54	29.52	31.74	12.3	28.84	100	267	A	V
	*	5290	103.81	-	-	88.97	31.3	12.48	28.94	100	267	P	V
	*	5290	97.08	-	-	82.24	31.3	12.48	28.94	100	267	A	V
		5350.08	58.01	-15.99	74	43.26	31.2	12.53	28.98	100	267	P	V
		5350.56	51.61	-2.39	54	36.86	31.2	12.53	28.98	100	267	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	50.21	-17.99	68.2	51.8	40	19.51	61.1	100	0	P	H
		15870	47.67	-26.33	74	47.26	37.16	24.37	61.12	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	51.04	-17.16	68.2	52.63	40	19.51	61.1	100	0	P	V
5290MHz		15870	47.8	-26.2	74	47.39	37.16	24.37	61.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.76	54.4	-19.6	74	39.14	31.62	12.69	29.05	300	21	P	H
		5469.84	61.22	-6.98	68.2	45.93	31.64	12.71	29.06	300	21	P	H
		5459.76	45.13	-8.87	54	29.87	31.62	12.69	29.05	300	21	A	H
	*	5500	109.55	-	-	94.16	31.7	12.77	29.08	300	21	P	H
	*	5500	102.19	-	-	86.8	31.7	12.77	29.08	300	21	A	H
													H
		5457.2	56.55	-17.45	74	41.3	31.61	12.69	29.05	100	269	P	V
		5467.76	64.31	-3.89	68.2	49.02	31.64	12.71	29.06	100	269	P	V
		5457.36	45.87	-8.13	54	30.62	31.61	12.69	29.05	100	269	A	V
	*	5500	110.56	-	-	95.17	31.7	12.77	29.08	100	269	P	V
	*	5500	103.12	-	-	87.73	31.7	12.77	29.08	100	269	A	V
													V
802.11a CH 116 5580MHz		5391.04	54.82	-19.18	74	39.9	31.36	12.57	29.01	100	124	P	H
		5468.32	52.24	-15.96	68.2	36.95	31.64	12.71	29.06	100	124	P	H
		5453.44	42.78	-11.22	54	27.54	31.61	12.68	29.05	100	124	A	H
	*	5580	108.27	-	-	92.67	31.74	12.92	29.06	100	124	P	H
	*	5580	100.79	-	-	85.19	31.74	12.92	29.06	100	124	A	H
		5740.745	54.39	-13.81	68.2	38.26	31.96	13.19	29.02	100	124	P	H
		5459.2	54.45	-19.55	74	39.19	31.62	12.69	29.05	100	280	P	V
		5467.84	52.05	-16.15	68.2	36.76	31.64	12.71	29.06	100	280	P	V
		5435.68	42.84	-11.16	54	27.69	31.54	12.65	29.04	100	280	A	V
	*	5580	110.97	-	-	95.37	31.74	12.92	29.06	100	280	P	V
	*	5580	103.43	-	-	87.83	31.74	12.92	29.06	100	280	A	V
		5759.33	53.45	-14.75	68.2	37.24	32.02	13.21	29.02	100	280	P	V

802.11a CH 140 5700MHz	*	5700	106.53	-	-	90.64	31.8	13.12	29.03	100	124	P	H
	*	5700	99.44	-	-	83.55	31.8	13.12	29.03	100	124	A	H
		5725.24	55.7	-12.5	68.2	39.67	31.9	13.16	29.03	100	124	P	H
													H
													H
													H
	*	5700	110.77	-	-	94.88	31.8	13.12	29.03	100	283	P	V
	*	5700	102.94	-	-	87.05	31.8	13.12	29.03	100	283	A	V
		5732.68	58.83	-9.37	68.2	42.75	31.93	13.17	29.02	100	283	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	59.52	-14.48	74	60.09	40.4	20.13	61.1	200	313	P	H
		11000	50.35	-3.65	54	50.92	40.4	20.13	61.1	200	313	A	H
		16500	48.96	-19.24	68.2	44.34	38.8	25.22	59.4	100	0	P	H
													H
		11000	59.63	-14.37	74	60.2	40.4	20.13	61.1	177	323	P	V
		11000	49.11	-4.89	54	49.68	40.4	20.13	61.1	177	323	A	V
		16500	48.25	-19.95	68.2	43.63	38.8	25.22	59.4	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	59.38	-14.62	74	60.14	39.98	20.3	61.04	200	313	P	H
		11160	50.17	-3.83	54	50.93	39.98	20.3	61.04	200	313	A	H
		16740	49.8	-18.4	68.2	43.63	39.8	25.63	59.26	100	0	P	H
													H
		11160	59.29	-14.71	74	60.05	39.98	20.3	61.04	178	323	P	V
		11160	49.77	-4.23	54	50.53	39.98	20.3	61.04	178	323	A	V
		16740	49.78	-18.42	68.2	43.61	39.8	25.63	59.26	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	58.99	-15.01	74	59.26	40.1	20.57	60.94	191	313	P	H
		11400	49.53	-4.47	54	49.8	40.1	20.57	60.94	191	313	A	H
		17100	50.11	-18.09	68.2	42.54	40.3	26.25	58.98	100	0	P	H
													H
		11400	57.17	-16.83	74	57.44	40.1	20.57	60.94	175	323	P	V
		11400	48.12	-5.88	54	48.39	40.1	20.57	60.94	175	323	A	V
		17100	49.71	-18.49	68.2	42.14	40.3	26.25	58.98	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.96	56.05	-17.95	74	40.79	31.62	12.69	29.05	318	324	P	H
		5461.2	57.36	-10.84	68.2	42.09	31.62	12.7	29.05	318	324	P	H
		5459.76	45.67	-8.33	54	30.41	31.62	12.69	29.05	318	324	A	H
	*	5500	110.24	-	-	94.85	31.7	12.77	29.08	318	324	P	H
802.11n	*	5500	102.6	-	-	87.21	31.7	12.77	29.08	318	324	A	H
HT20													H
CH 100		5458.96	55.26	-18.74	74	40	31.62	12.69	29.05	250	270	P	V
5500MHz		5465.04	57.12	-11.08	68.2	41.85	31.63	12.7	29.06	250	270	P	V
		5460	45.53	-8.47	54	30.27	31.62	12.69	29.05	250	270	A	V
	*	5500	110.08	-	-	94.69	31.7	12.77	29.08	250	270	P	V
	*	5500	102.33	-	-	86.94	31.7	12.77	29.08	250	270	A	V
													V
		5451.76	52.99	-21.01	74	37.76	31.6	12.68	29.05	100	125	P	H
		5467.12	52.53	-15.67	68.2	37.25	31.63	12.71	29.06	100	125	P	H
		5456.8	42.96	-11.04	54	27.71	31.61	12.69	29.05	100	125	A	H
	*	5580	107.9	-	-	92.3	31.74	12.92	29.06	100	125	P	H
802.11n	*	5580	100.04	-	-	84.44	31.74	12.92	29.06	100	125	A	H
HT20		5727.2	53.5	-14.7	68.2	37.46	31.91	13.16	29.03	100	125	P	H
CH 116		5455.12	53.2	-20.8	74	37.96	31.61	12.68	29.05	100	280	P	V
5580MHz		5469.04	52.92	-15.28	68.2	37.63	31.64	12.71	29.06	100	280	P	V
		5452.48	43.1	-10.9	54	27.87	31.6	12.68	29.05	100	280	A	V
	*	5580	111.9	-	-	96.3	31.74	12.92	29.06	100	280	P	V
	*	5580	104.32	-	-	88.72	31.74	12.92	29.06	100	280	A	V
		5751.77	53.32	-14.88	68.2	37.14	32	13.2	29.02	100	280	P	V

	*	5700	108.17	-	-	92.28	31.8	13.12	29.03	100	123	P	H
	*	5700	100.41	-	-	84.52	31.8	13.12	29.03	100	123	A	H
		5725.32	59.75	-8.45	68.2	43.72	31.9	13.16	29.03	100	123	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	111.11	-	-	95.22	31.8	13.12	29.03	250	270	P	V
5700MHz	*	5700	103.39	-	-	87.5	31.8	13.12	29.03	250	270	A	V
		5725	60.77	-7.43	68.2	44.74	31.9	13.16	29.03	250	270	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	57.32	-16.68	74	57.89	40.4	20.13	61.1	200	312	P	H
		11000	47.95	-6.05	54	48.52	40.4	20.13	61.1	200	312	A	H
802.11n		16500	50.4	-17.8	68.2	45.78	38.8	25.22	59.4	100	0	P	H
HT20													H
CH 100		11000	57.52	-16.48	74	58.09	40.4	20.13	61.1	183	322	P	V
5500MHz		11000	47.18	-6.82	54	47.75	40.4	20.13	61.1	183	322	A	V
		16500	50.26	-17.94	68.2	45.64	38.8	25.22	59.4	100	0	P	V
													V
		11160	60.12	-13.88	74	60.88	39.98	20.3	61.04	194	313	P	H
		11160	49.63	-4.37	54	50.39	39.98	20.3	61.04	194	313	A	H
802.11n		16740	51.63	-16.57	68.2	45.46	39.8	25.63	59.26	100	0	P	H
HT20													H
CH 116		11160	58.55	-15.45	74	59.31	39.98	20.3	61.04	183	314	P	V
5580MHz		11160	47.91	-6.09	54	48.67	39.98	20.3	61.04	183	314	A	V
		16740	51.57	-16.63	68.2	45.4	39.8	25.63	59.26	100	0	P	V
													V
		11400	58.93	-15.07	74	59.2	40.1	20.57	60.94	171	329	P	H
		11400	48.04	-5.96	54	48.31	40.1	20.57	60.94	171	329	A	H
802.11n		17100	50.98	-17.22	68.2	43.41	40.3	26.25	58.98	100	0	P	H
HT20													H
CH 140		11400	58.76	-15.24	74	59.03	40.1	20.57	60.94	182	324	P	V
5700MHz		11400	48.63	-5.37	54	48.9	40.1	20.57	60.94	182	324	A	V
		17100	50.63	-17.57	68.2	43.06	40.3	26.25	58.98	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458	58.91	-15.09	74	43.65	31.62	12.69	29.05	100	123	P	H
		5460.64	59.01	-9.19	68.2	43.74	31.62	12.7	29.05	100	123	P	H
		5457.52	50.94	-3.06	54	35.68	31.62	12.69	29.05	100	123	A	H
	*	5510	105.78	-	-	90.35	31.72	12.79	29.08	100	123	P	H
802.11n	*	5510	98.64	-	-	83.21	31.72	12.79	29.08	100	123	A	H
HT40		5760.59	54.01	-14.19	68.2	37.79	32.02	13.22	29.02	100	123	P	H
CH 102		5459.92	58.56	-15.44	74	43.3	31.62	12.69	29.05	100	271	P	V
5510MHz		5470	61.48	-6.72	68.2	46.19	31.64	12.71	29.06	100	271	P	V
		5458.48	49.7	-4.3	54	34.44	31.62	12.69	29.05	100	271	A	V
	*	5510	107.14	-	-	91.71	31.72	12.79	29.08	100	271	P	V
	*	5510	99.05	-	-	83.62	31.72	12.79	29.08	100	271	A	V
		5733.185	53.66	-14.54	68.2	37.58	31.93	13.17	29.02	100	271	P	V
		5458.96	54.22	-19.78	74	38.96	31.62	12.69	29.05	100	125	P	H
		5463.76	54.34	-13.86	68.2	39.07	31.63	12.7	29.06	100	125	P	H
		5441.92	44.66	-9.34	54	29.47	31.57	12.66	29.04	100	125	A	H
	*	5550	105.88	-	-	90.29	31.8	12.86	29.07	100	125	P	H
802.11n	*	5550	97.99	-	-	82.4	31.8	12.86	29.07	100	125	A	H
HT40		5762.795	52.73	-15.47	68.2	36.5	32.03	13.22	29.02	100	125	P	H
CH 110		5395.12	54.99	-19.01	74	40.04	31.38	12.58	29.01	100	271	P	V
5550MHz		5467.6	54.81	-13.39	68.2	39.52	31.64	12.71	29.06	100	271	P	V
		5454.16	44.78	-9.22	54	29.54	31.61	12.68	29.05	100	271	A	V
	*	5550	108.31	-	-	92.72	31.8	12.86	29.07	100	271	P	V
	*	5550	100.47	-	-	84.88	31.8	12.86	29.07	100	271	A	V
		5744.21	55.35	-12.85	68.2	39.2	31.98	13.19	29.02	100	271	P	V

		5367.5	52.73	-21.27	74	37.9	31.27	12.55	28.99	260	328	P	H
		5466.55	51.58	-16.62	68.2	36.3	31.63	12.71	29.06	260	328	P	H
		5459.9	43.7	-10.3	54	28.44	31.62	12.69	29.05	260	328	A	H
	*	5670	105.43	-	-	89.66	31.74	13.07	29.04	260	328	P	H
802.11n	*	5670	97.6	-	-	81.83	31.74	13.07	29.04	260	328	A	H
HT40		5734.025	55.99	-12.21	68.2	39.9	31.94	13.17	29.02	260	328	P	H
CH 134		5391.65	53.86	-20.14	74	38.93	31.37	12.57	29.01	283	274	P	V
5670MHz		5462.35	53.83	-14.37	68.2	38.57	31.62	12.7	29.06	283	274	P	V
		5438.55	43.67	-10.33	54	28.51	31.55	12.65	29.04	283	274	A	V
	*	5670	107.1	-	-	91.33	31.74	13.07	29.04	283	274	P	V
	*	5670	99.64	-	-	83.87	31.74	13.07	29.04	283	274	A	V
		5730.875	55.15	-13.05	68.2	39.08	31.92	13.17	29.02	283	274	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	51.97	-22.03	74	52.57	40.34	20.15	61.09	170	323	P	H
		11020	44.34	-9.66	54	44.94	40.34	20.15	61.09	170	323	A	H
802.11n		16530	48.61	-19.59	68.2	43.77	38.95	25.27	59.38	100	0	P	H
HT40													H
CH 102		11020	54.39	-19.61	74	54.99	40.34	20.15	61.09	177	326	P	V
5510MHz		11020	46.12	-7.88	54	46.72	40.34	20.15	61.09	177	326	A	V
		16530	48.55	-19.65	68.2	43.71	38.95	25.27	59.38	100	0	P	V
													V
		11100	53.85	-20.15	74	54.57	40.1	20.24	61.06	180	316	P	H
		11100	46.12	-7.88	54	46.84	40.1	20.24	61.06	180	316	A	H
802.11n		16650	49.25	-18.95	68.2	43.64	39.45	25.47	59.31	100	0	P	H
HT40													H
CH 110		11100	54.79	-19.21	74	55.51	40.1	20.24	61.06	181	317	P	V
5550MHz		11100	45.95	-8.05	54	46.67	40.1	20.24	61.06	181	317	A	V
		16650	49.61	-18.59	68.2	44	39.45	25.47	59.31	100	0	P	V
													V
		11340	54.93	-19.07	74	55.47	39.92	20.5	60.96	174	321	P	H
		11340	47	-7	54	47.54	39.92	20.5	60.96	174	321	A	H
802.11n		17010	50.88	-17.32	68.2	43.3	40.57	26.1	59.09	100	0	P	H
HT40													H
CH 134		11340	54.87	-19.13	74	55.41	39.92	20.5	60.96	173	322	P	V
5670MHz		11340	46.99	-7.01	54	47.53	39.92	20.5	60.96	173	322	A	V
		17010	50.43	-17.77	68.2	42.85	40.57	26.1	59.09	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5443.36	59.41	-14.59	74	44.22	31.57	12.66	29.04	102	124	P	H
		5468.08	59.15	-9.05	68.2	43.86	31.64	12.71	29.06	102	124	P	H
		5444.32	49.82	-4.18	54	34.62	31.58	12.66	29.04	102	124	A	H
	*	5530	102.11	-	-	86.59	31.76	12.83	29.07	102	124	P	H
802.11ac	*	5530	94.82	-	-	79.3	31.76	12.83	29.07	102	124	A	H
VHT80		5763.11	54.64	-13.56	68.2	38.41	32.03	13.22	29.02	102	124	P	H
CH 106		5455.36	62.97	-11.03	74	47.72	31.61	12.69	29.05	100	270	P	V
5530MHz		5470	59.7	-8.5	68.2	44.41	31.64	12.71	29.06	100	270	P	V
		5450.08	50.83	-3.17	54	35.6	31.6	12.68	29.05	100	270	A	V
	*	5530	104.08	-	-	88.56	31.76	12.83	29.07	100	270	P	V
	*	5530	96.57	-	-	81.05	31.76	12.83	29.07	100	270	A	V
		5741.06	53.9	-14.3	68.2	37.77	31.96	13.19	29.02	100	270	P	V
		5457.28	52.79	-21.21	74	37.54	31.61	12.69	29.05	100	126	P	H
		5460.88	53.5	-14.7	68.2	38.23	31.62	12.7	29.05	100	126	P	H
		5456.08	44.75	-9.25	54	29.5	31.61	12.69	29.05	100	126	A	H
	*	5610	102.02	-	-	86.39	31.7	12.98	29.05	100	126	P	H
802.11ac	*	5610	95.04	-	-	79.41	31.7	12.98	29.05	100	126	A	H
VHT80		5761.22	55.81	-12.39	68.2	39.59	32.02	13.22	29.02	100	126	P	H
CH 122		5422.96	54.31	-19.69	74	39.23	31.49	12.62	29.03	101	270	P	V
5610MHz		5460.16	55.03	-13.17	68.2	39.77	31.62	12.69	29.05	101	270	P	V
		5458.96	44.93	-9.07	54	29.67	31.62	12.69	29.05	101	270	A	V
	*	5610	105.34	-	-	89.71	31.7	12.98	29.05	101	270	P	V
	*	5610	97.78	-	-	82.15	31.7	12.98	29.05	101	270	A	V
		5725	56.7	-11.5	68.2	40.67	31.9	13.16	29.03	101	270	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	52.49	-21.51	74	53.15	40.22	20.2	61.08	100	0	P	H
		11060	41.75	-12.25	54	42.41	40.22	20.2	61.08	100	0	A	H
802.11ac		16590	51	-17.2	68.2	45.73	39.25	25.37	59.35	100	0	P	H
VHT80													H
CH 106		11060	52.1	-21.9	74	52.76	40.22	20.2	61.08	100	0	P	V
5530MHz		11060	41.61	-12.39	54	42.27	40.22	20.2	61.08	100	0	A	V
		16590	51.26	-16.94	68.2	45.99	39.25	25.37	59.35	100	0	P	V
													V
		11220	52.22	-21.78	74	52.98	39.88	20.37	61.01	100	0	P	H
		11220	42.35	-11.65	54	43.11	39.88	20.37	61.01	100	0	A	H
802.11ac		16830	50.99	-17.21	68.2	44.16	40.25	25.78	59.2	100	0	P	H
VHT80													H
CH 122		11220	51.94	-22.06	74	52.7	39.88	20.37	61.01	100	0	P	V
5610MHz		11220	42.28	-11.72	54	43.04	39.88	20.37	61.01	100	0	A	V
		16830	51.4	-16.8	68.2	44.57	40.25	25.78	59.2	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5427.22	53.08	-20.92	74	37.97	31.51	12.63	29.03	100	123	P	H
		5469.73	52.3	-15.9	68.2	37.01	31.64	12.71	29.06	100	123	P	H
		5457.64	42.79	-11.21	54	27.53	31.62	12.69	29.05	100	123	A	H
	*	5720	106.17	-	-	90.17	31.88	13.15	29.03	100	123	P	H
	*	5720	98.8	-	-	82.8	31.88	13.15	29.03	100	123	A	H
		5854.5	55.29	-12.91	68.2	38.86	32.11	13.31	28.99	100	123	P	H
		5404.21	53.18	-20.82	74	38.19	31.42	12.59	29.02	100	282	P	V
		5467.39	51.97	-16.23	68.2	36.69	31.63	12.71	29.06	100	282	P	V
		5437.75	42.61	-11.39	54	27.45	31.55	12.65	29.04	100	282	A	V
	*	5720	110.03	-	-	94.03	31.88	13.15	29.03	100	282	P	V
	*	5720	102.33	-	-	86.33	31.88	13.15	29.03	100	282	A	V
		5887.75	55.35	-12.85	68.2	38.83	32.18	13.33	28.99	100	282	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	57.31	-16.69	74	57.52	40.1	20.61	60.92	200	318	P	H
		11440	47.29	-6.71	54	47.5	40.1	20.61	60.92	200	318	A	H
		17160	52.95	-15.25	68.2	44.97	40.54	26.35	58.91	100	0	P	H
													H
		11440	56.52	-17.48	74	56.73	40.1	20.61	60.92	183	320	P	V
		11440	47.09	-6.91	54	47.3	40.1	20.61	60.92	183	320	A	V
		17160	52.14	-16.06	68.2	44.16	40.54	26.35	58.91	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5424.1	53.96	-20.04	74	38.86	31.5	12.63	29.03	300	298	P	H
		5467	52.68	-15.52	68.2	37.4	31.63	12.71	29.06	300	298	P	H
		5447.89	42.68	-11.32	54	27.47	31.59	12.67	29.05	300	298	A	H
	*	5720	107.78	-	-	91.76	31.89	13.16	29.03	300	298	P	H
	*	5720	100.13	-	-	84.11	31.89	13.16	29.03	300	298	A	H
		5916.5	55.44	-12.76	68.2	38.8	32.27	13.35	28.98	300	298	P	H
		5453.35	53.42	-20.58	74	38.18	31.61	12.68	29.05	229	270	P	V
		5463.49	52.88	-15.32	68.2	37.61	31.63	12.7	29.06	229	270	P	V
		5432.68	42.73	-11.27	54	27.6	31.53	12.64	29.04	229	270	A	V
	*	5720	110.7	-	-	94.7	31.88	13.15	29.03	229	270	P	V
	*	5720	103.16	-	-	87.16	31.88	13.15	29.03	229	270	A	V
		5882.5	55.54	-12.66	68.2	39.03	32.17	13.33	28.99	229	270	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	59.99	-14.01	74	60.2	40.1	20.61	60.92	181	292	P	H
		11440	49.93	-4.07	54	50.14	40.1	20.61	60.92	181	292	A	H
802.11n		17160	51.18	-17.02	68.2	43.2	40.54	26.35	58.91	100	0	P	H
HT20													H
CH 144		11440	59.57	-14.43	74	59.78	40.1	20.61	60.92	185	333	P	V
5720MHz		11440	48.45	-5.55	54	48.66	40.1	20.61	60.92	185	333	A	V
		17160	50.7	-17.5	68.2	42.72	40.54	26.35	58.91	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5458.42	53.28	-20.72	74	38.02	31.62	12.69	29.05	271	330	P	H
		5461.15	52.36	-15.84	68.2	37.09	31.62	12.7	29.05	271	330	P	H
		5447.89	43.55	-10.45	54	28.34	31.59	12.67	29.05	271	330	A	H
	*	5710	105.74	-	-	89.79	31.84	13.14	29.03	271	330	P	H
	*	5710	97.92	-	-	81.97	31.84	13.14	29.03	271	330	A	H
		5924.75	55.89	-12.31	68.2	39.22	32.3	13.35	28.98	271	330	P	H
		5435.02	52.9	-21.1	74	37.75	31.54	12.65	29.04	282	275	P	V
		5466.61	51.6	-16.6	68.2	36.32	31.63	12.71	29.06	282	275	P	V
		5430.34	43.84	-10.16	54	28.71	31.52	12.64	29.03	282	275	A	V
	*	5710	106.94	-	-	90.99	31.84	13.14	29.03	282	275	P	V
	*	5710	99.51	-	-	83.56	31.84	13.14	29.03	282	275	A	V
		5927	55.8	-12.4	68.2	39.11	32.31	13.36	28.98	282	275	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	56.14	-17.86	74	56.38	40.1	20.59	60.93	186	293	P	H
		11420	48.79	-5.21	54	49.03	40.1	20.59	60.93	186	293	A	H
802.11n		17130	52.21	-15.99	68.2	44.43	40.42	26.3	58.94	100	0	P	H
HT40													H
CH 142		11420	55.67	-18.33	74	55.91	40.1	20.59	60.93	266	0	P	V
5710MHz		11420	47.17	-6.83	54	47.41	40.1	20.59	60.93	266	0	A	V
		17130	51.26	-16.94	68.2	43.48	40.42	26.3	58.94	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5440.87	53.83	-20.17	74	38.65	31.56	12.66	29.04	100	130	P	H
		5462.71	52.88	-15.32	68.2	37.61	31.63	12.7	29.06	100	130	P	H
		5453.74	43.94	-10.06	54	28.7	31.61	12.68	29.05	100	130	A	H
	*	5690	99.86	-	-	84.01	31.78	13.1	29.03	100	130	P	H
802.11ac	*	5690	92.58	-	-	76.73	31.78	13.1	29.03	100	130	A	H
VHT80		5887.5	56.25	-11.95	68.2	39.74	32.17	13.33	28.99	100	130	P	H
CH 138		5410.06	53.36	-20.64	74	38.34	31.44	12.6	29.02	100	272	P	V
5690MHz		5463.49	51.95	-16.25	68.2	36.68	31.63	12.7	29.06	100	272	P	V
		5442.82	43.62	-10.38	54	28.43	31.57	12.66	29.04	100	272	A	V
	*	5690	104.52	-	-	88.67	31.78	13.1	29.03	100	272	P	V
	*	5690	96.7	-	-	80.85	31.78	13.1	29.03	100	272	A	V
		5920	56.13	-12.07	68.2	39.48	32.28	13.35	28.98	100	272	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	51.89	-22.11	74	52.26	40.04	20.54	60.95	100	0	P	H
		11380	42.29	-11.71	54	42.66	40.04	20.54	60.95	100	0	A	H
802.11ac		17070	52.23	-15.97	68.2	44.66	40.39	26.2	59.02	100	0	P	H
VHT80													H
CH 138		11380	51.3	-22.7	74	51.67	40.04	20.54	60.95	100	0	P	V
5690MHz		11380	42.2	-11.8	54	42.57	40.04	20.54	60.95	100	0	A	V
		17070	52.44	-15.76	68.2	44.87	40.39	26.2	59.02	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

WIFI 802.11n HT40 (SHF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 SHF		29836	42.6	-25.6	68.2	41.51	40.23	15.73	54.87	150	0	P	H
		37184	46.13	-22.07	68.2	40.5	42.76	19.79	56.92	150	0	P	H
													H
													H
													H
													H
		30606	43.46	-24.74	68.2	41.4	40.46	16.84	55.24	150	0	P	V
		38218	45.81	-22.39	68.2	38.61	43.49	19.67	55.96	150	0	P	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		113.42	19.87	-23.63	43.5	33.21	17.09	1.83	32.26	-	-	P	H
		161.92	21.71	-21.79	43.5	35.54	16.2	2.26	32.29	-	-	P	H
		191.99	27.97	-15.53	43.5	43.17	14.71	2.4	32.31	-	-	P	H
		228.85	20.77	-25.23	46	34.31	16.16	2.63	32.33	-	-	P	H
		576.11	28.32	-17.68	46	30.38	25.79	4.11	31.96	-	-	P	H
		824.43	34.95	-11.05	46	34.06	28.2	4.95	32.26	100	0	P	H
													H
													H
													H
													H
													H
													H
		30.97	27.78	-12.22	40	34.96	24.09	0.94	32.21	-	-	P	V
		50.37	24.16	-15.84	40	41.34	14.07	1.18	32.43	-	-	P	V
		185.2	26.45	-17.05	43.5	41.62	14.78	2.36	32.31	-	-	P	V
		231.76	20.2	-25.8	46	33.43	16.45	2.65	32.33	-	-	P	V
		621.7	27.82	-18.18	46	29.69	25.82	4.28	31.97	-	-	P	V
		824.43	35.65	-10.35	46	34.76	28.2	4.95	32.26	100	0	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(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

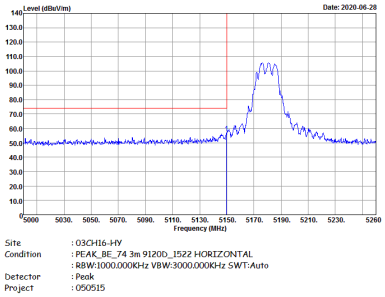
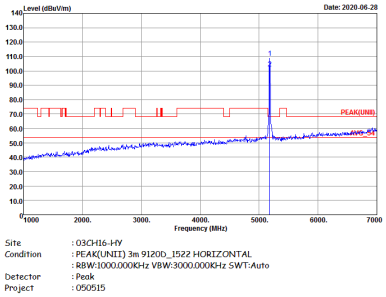
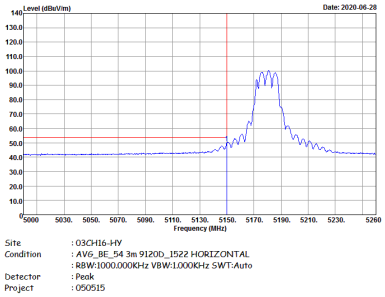
Test Engineer :	Andy Yang, Karl Hou and CR Laio	**Temperature :**	20~25°C
		Relative Humidity :	50~65%

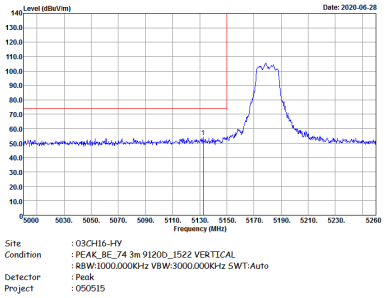
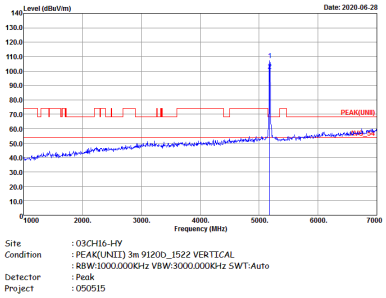
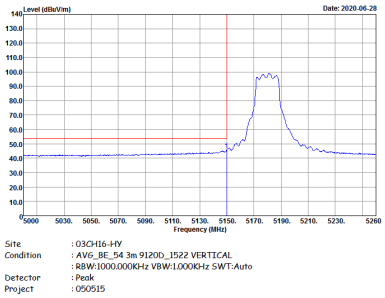
Note symbol

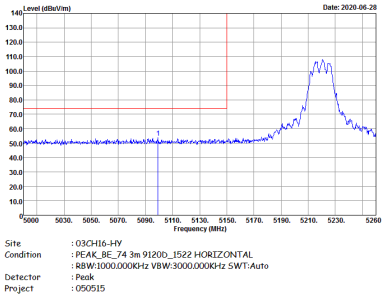
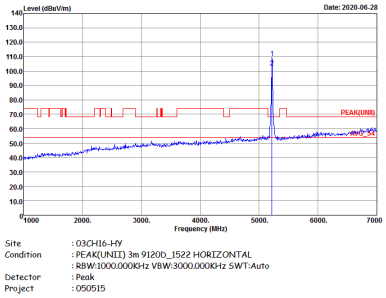
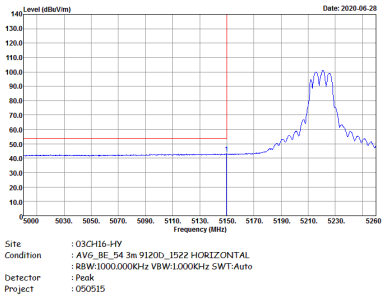
-L	**Low channel location**
-R	**High channel location**

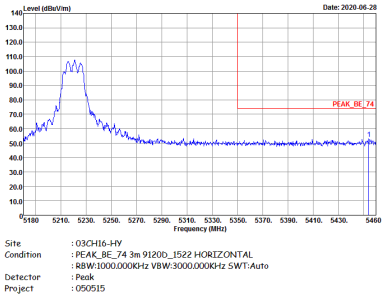
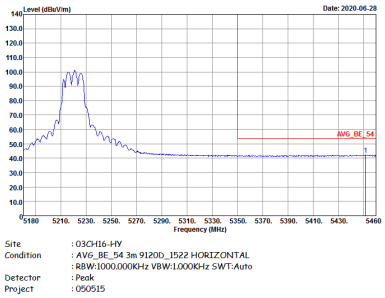
Band 1 - 5150~5250MHz

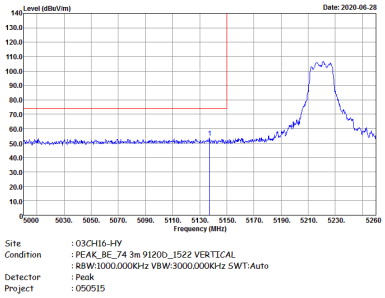
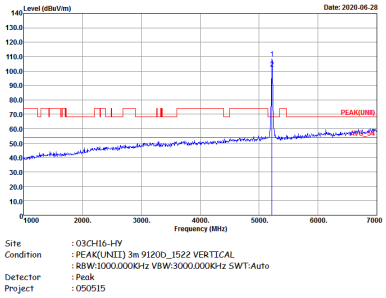
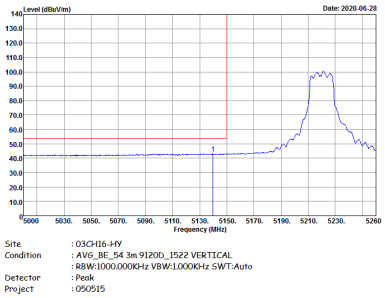
WIFI 802.11a (Band Edge @ 3m)

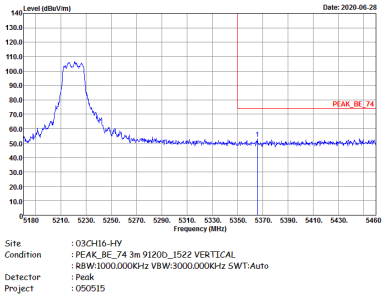
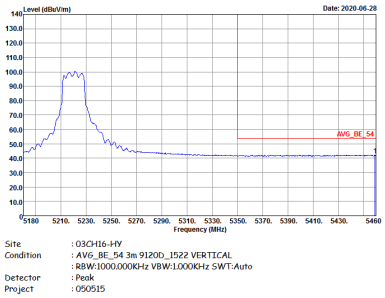
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

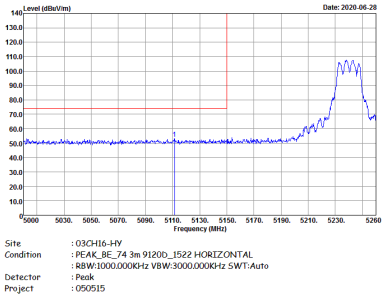
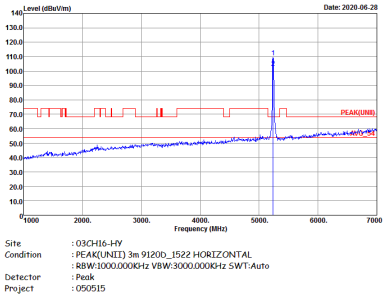
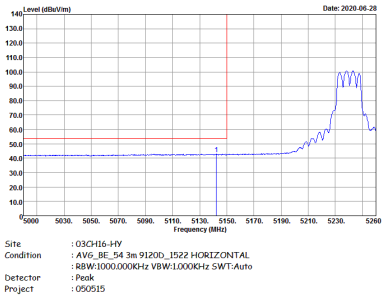
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

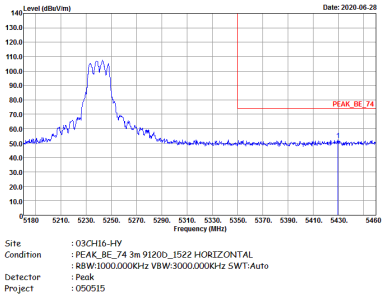
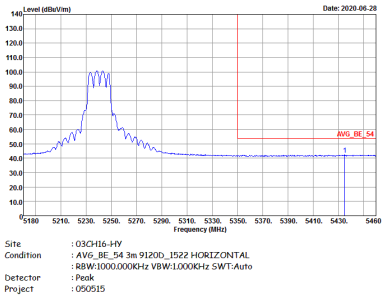
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

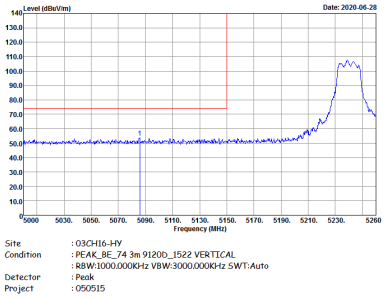
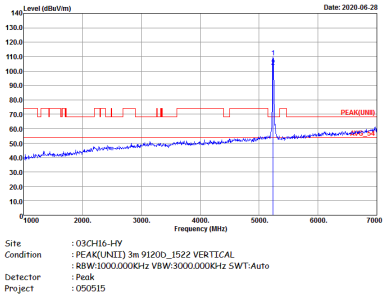
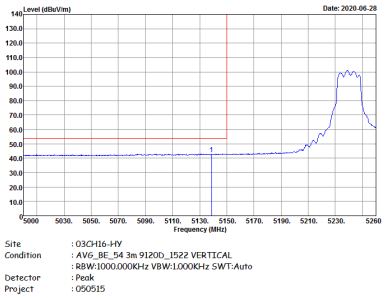
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

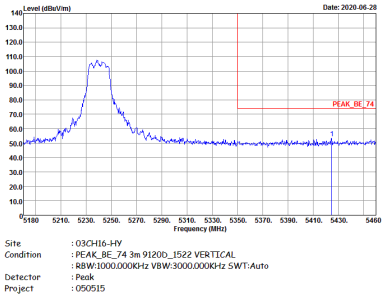
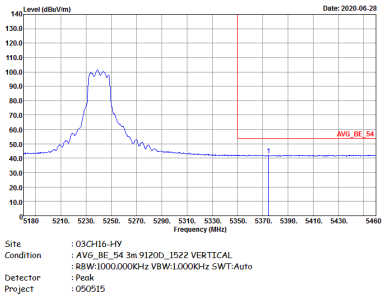
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

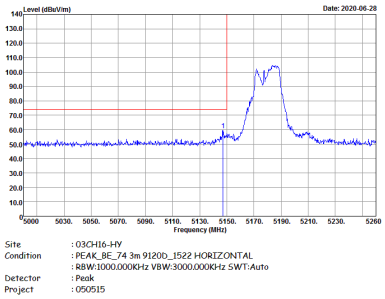
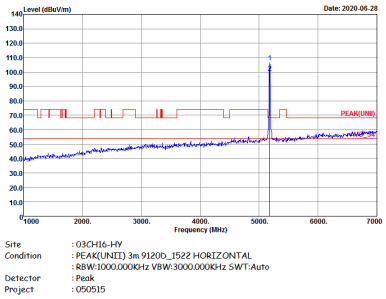
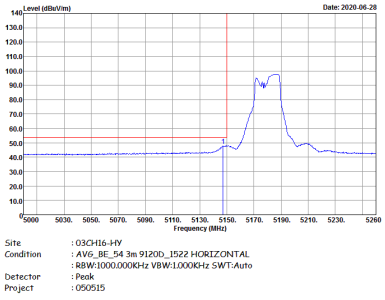
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

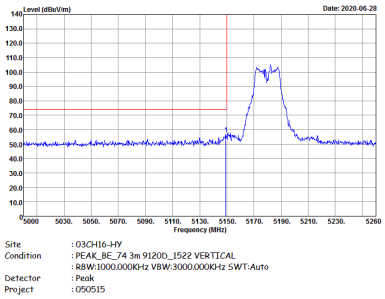
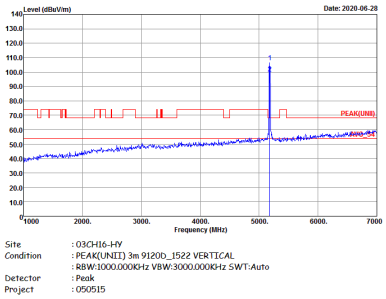
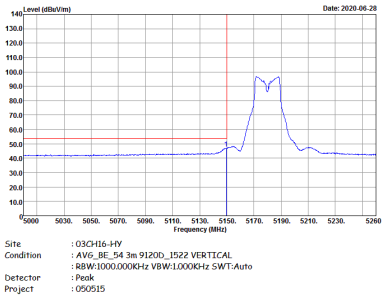
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

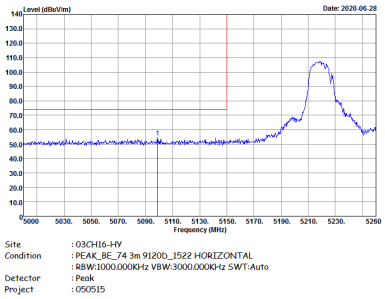
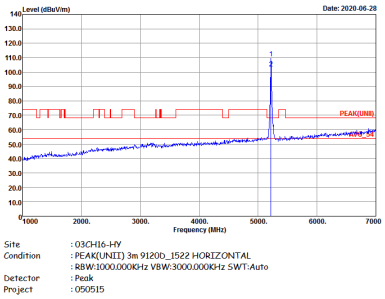
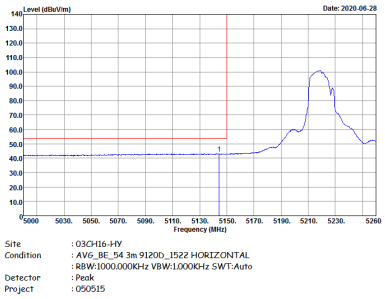
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

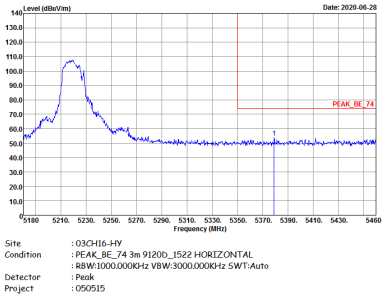
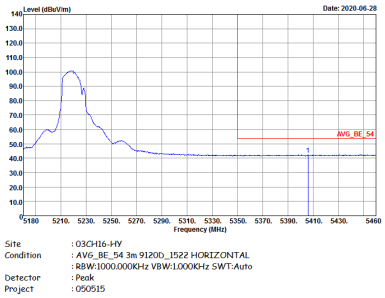
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

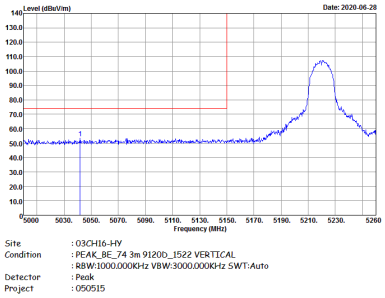
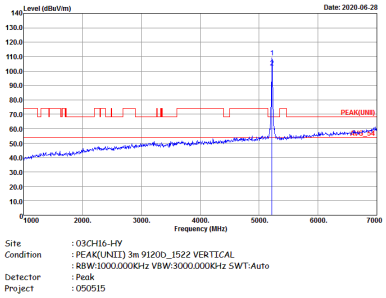
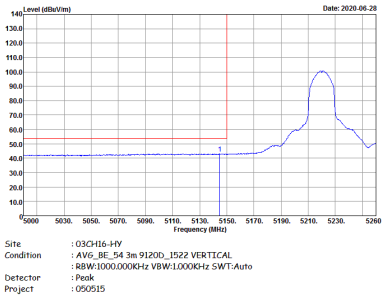
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

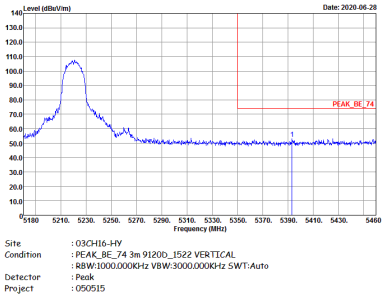
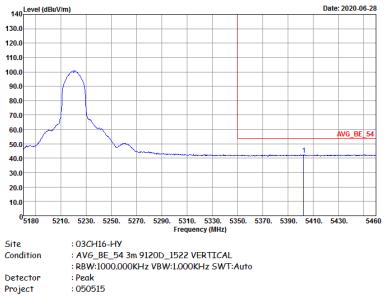
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

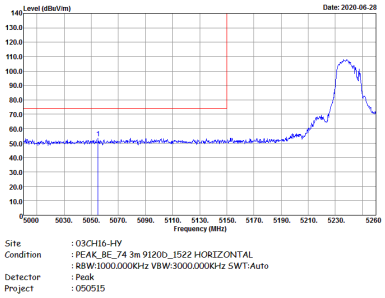
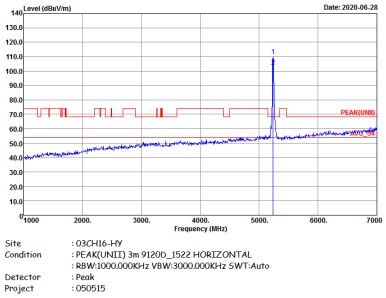
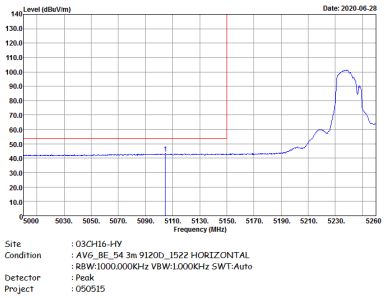
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

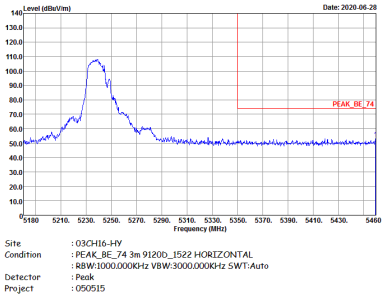
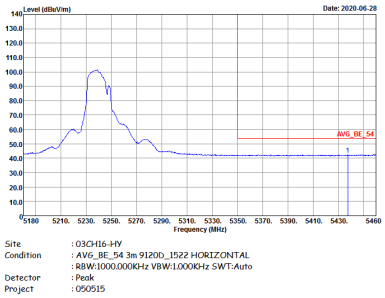
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

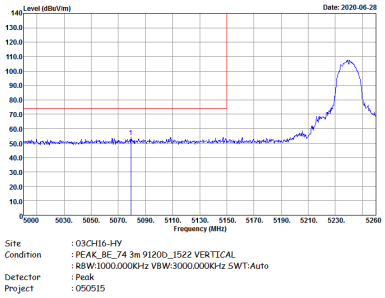
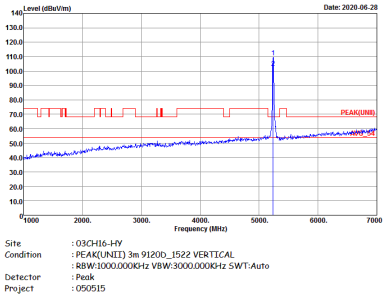
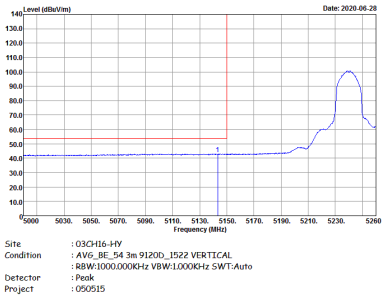
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

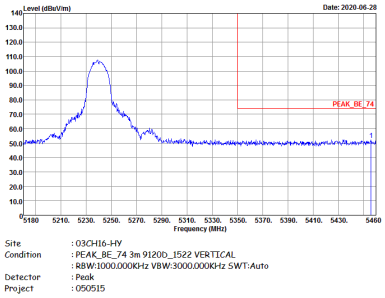
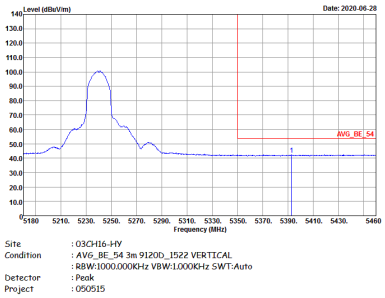
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

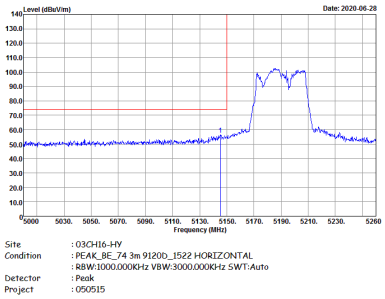
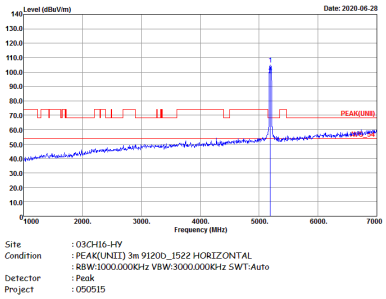
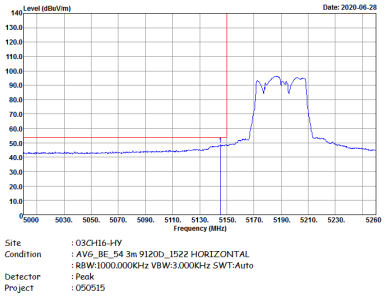
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

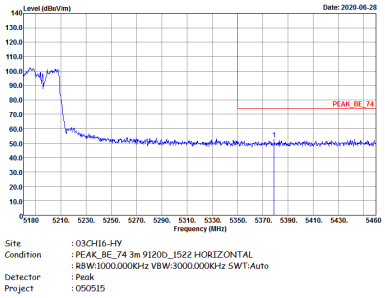
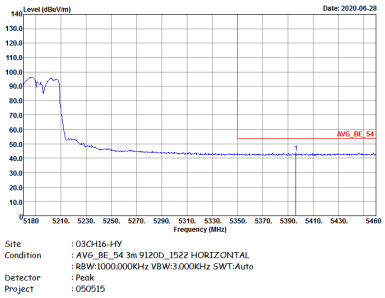
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

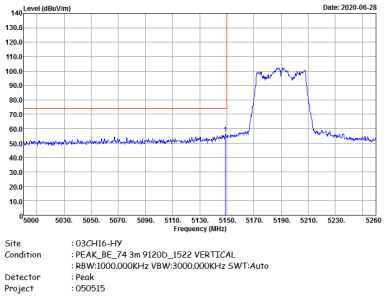
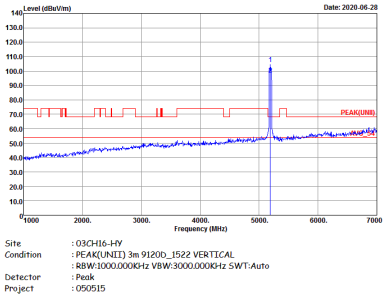
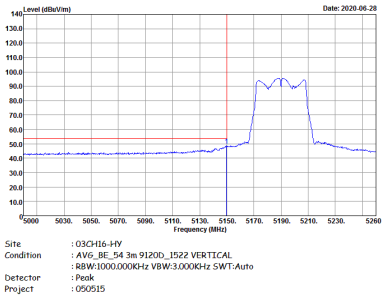
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

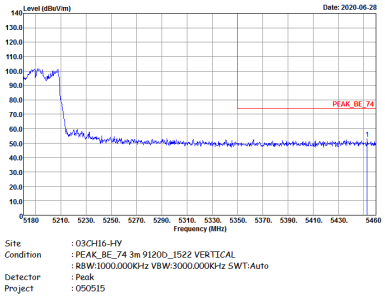
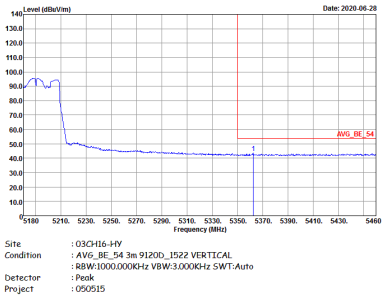
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

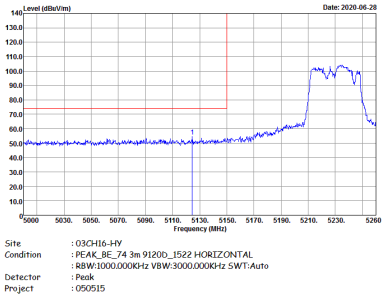
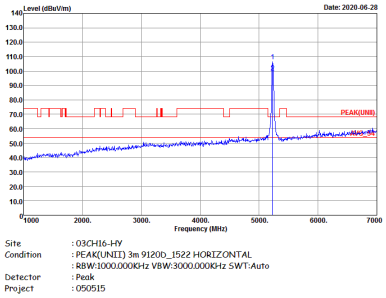
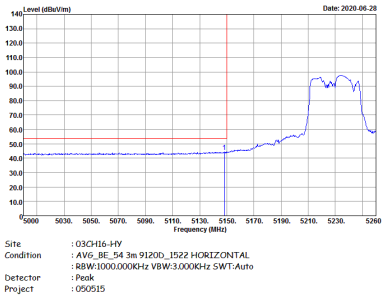
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

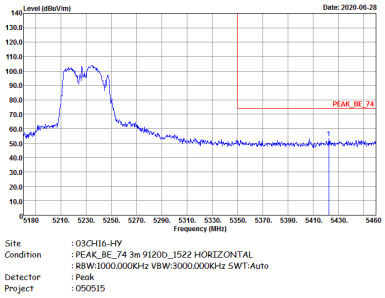
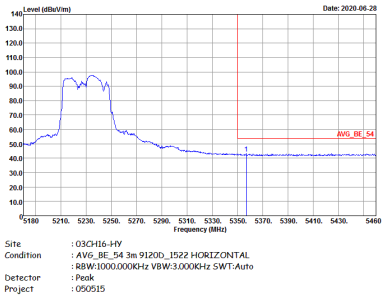
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

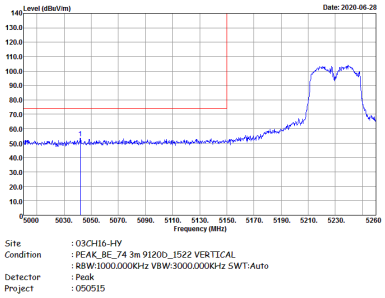
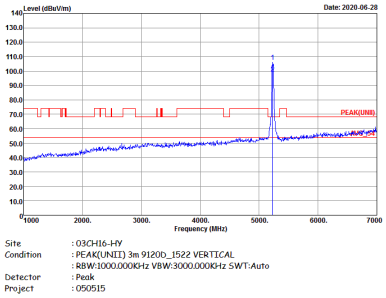
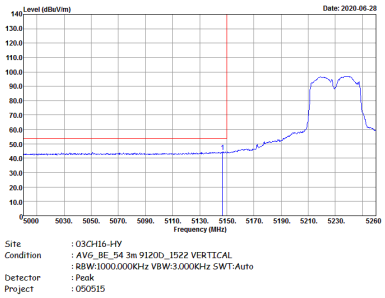
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

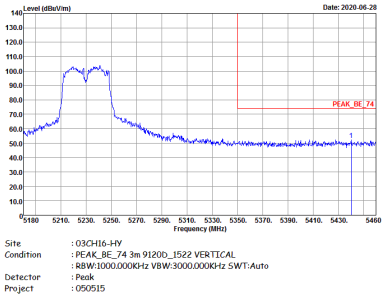
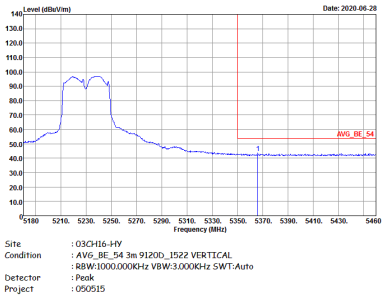
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

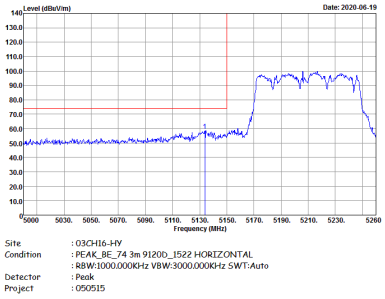
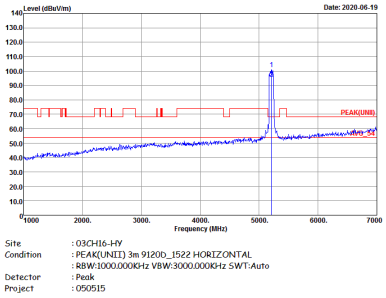
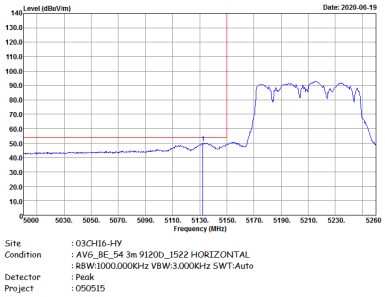
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

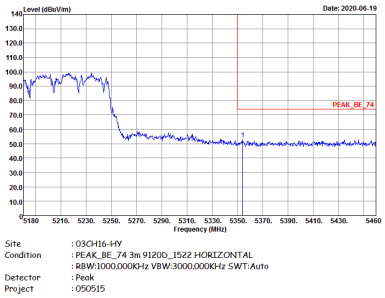
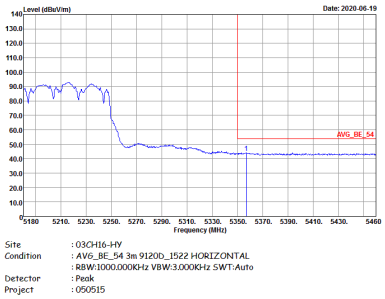
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

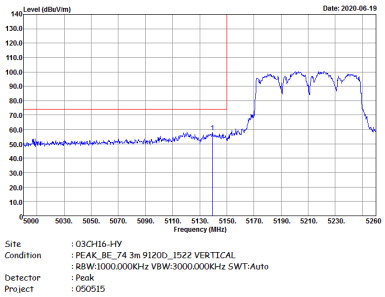
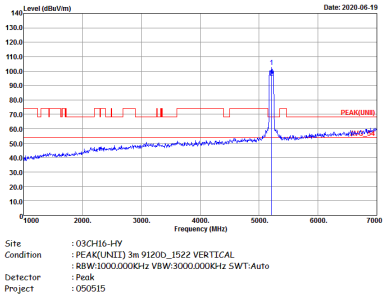
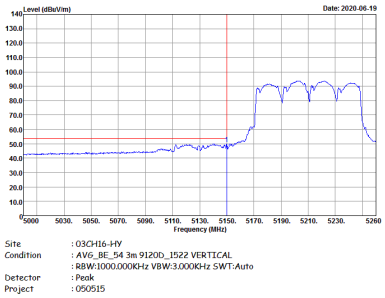
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

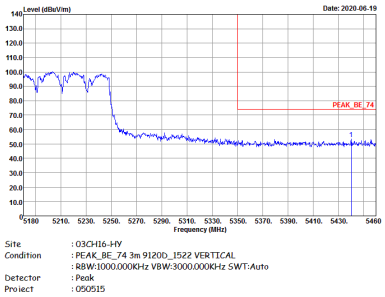
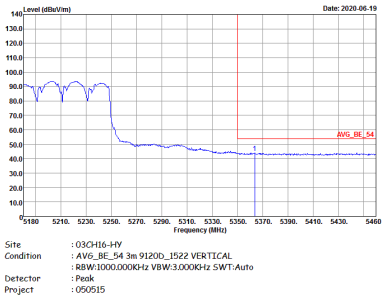
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

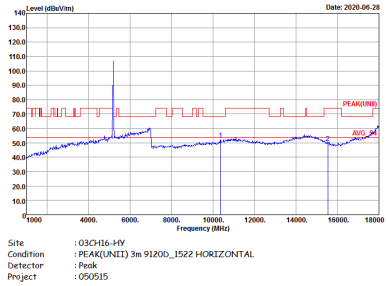
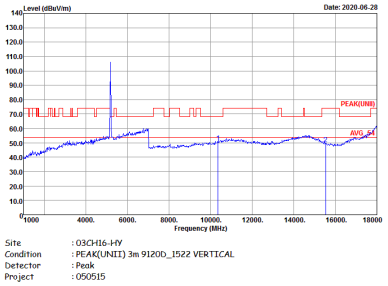
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

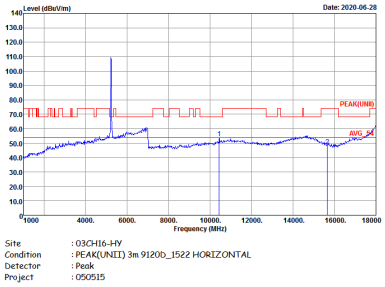
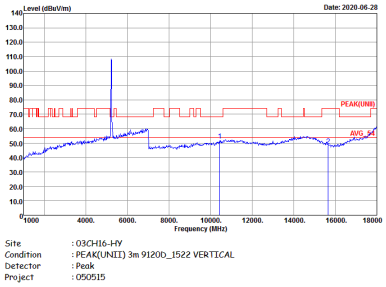
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

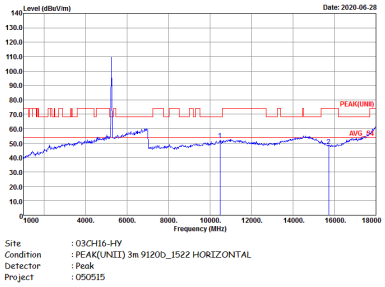
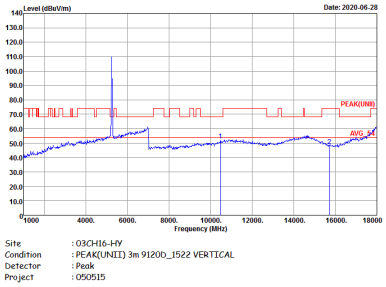
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

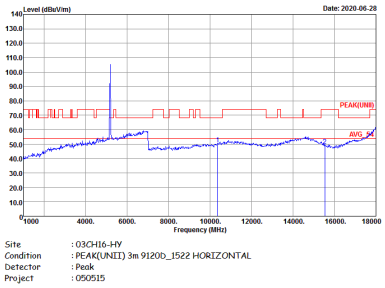
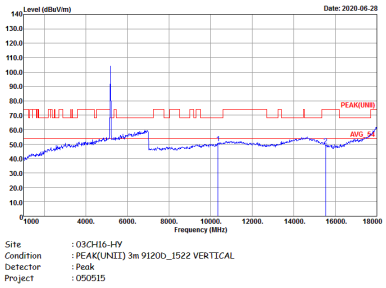
WIFI 802.11a (Harmonic @ 3m)

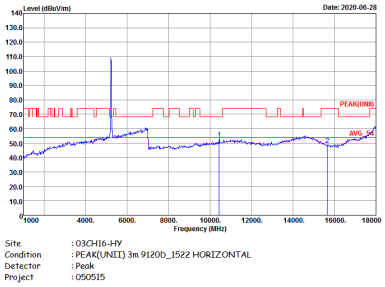
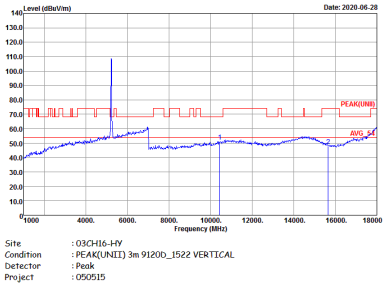
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

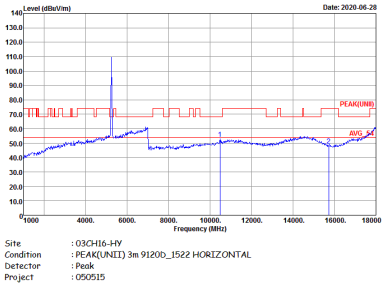
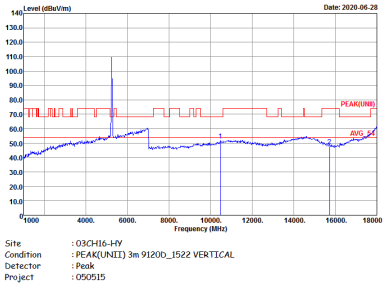
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

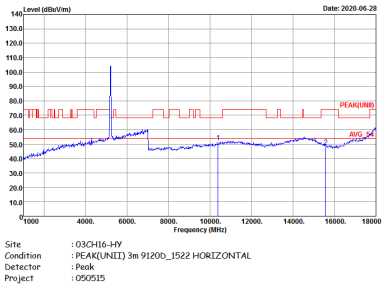
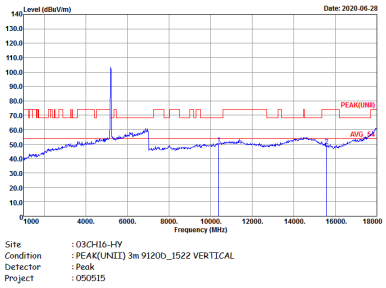
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

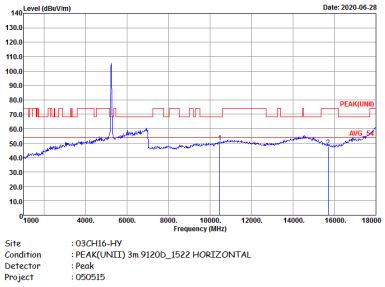
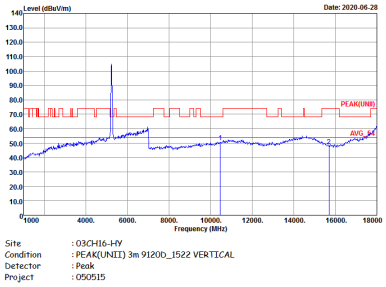
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

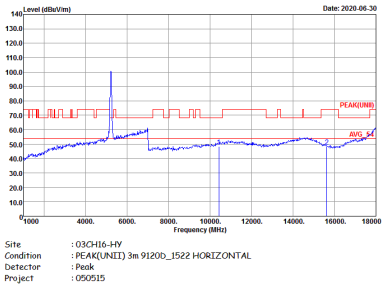
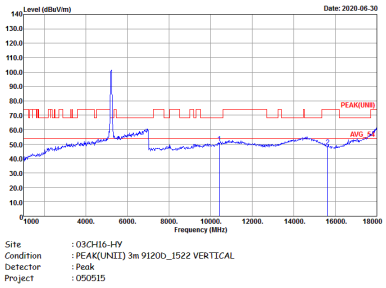
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
4+3	Horizontal	Vertical
Peak Avg.		

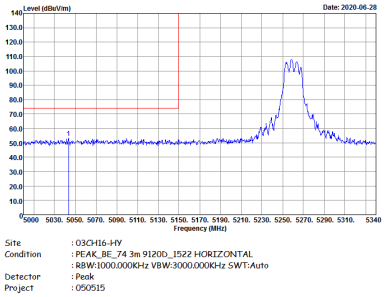
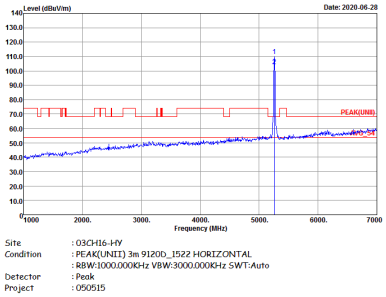
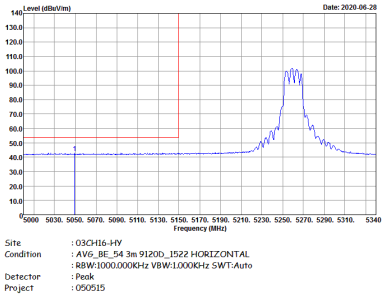
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
4+3	Horizontal	Vertical
Peak Avg.		

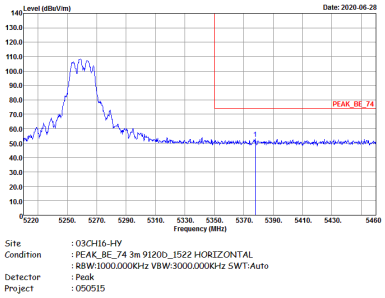
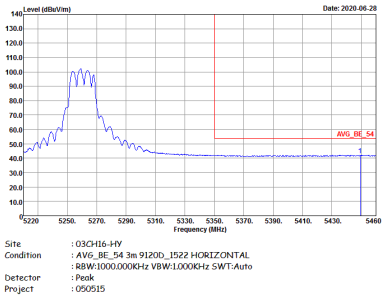
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

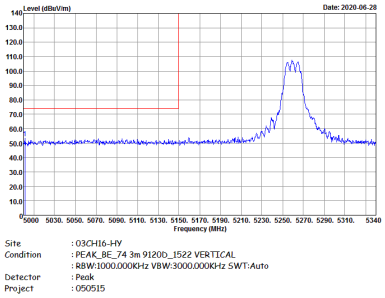
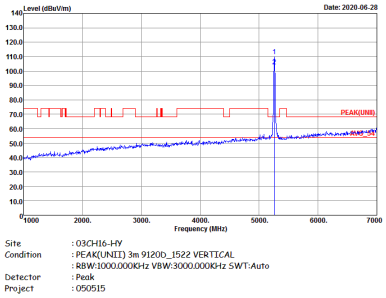
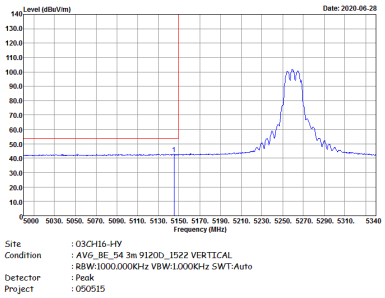
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
4+3	Horizontal	Vertical
Peak Avg.		

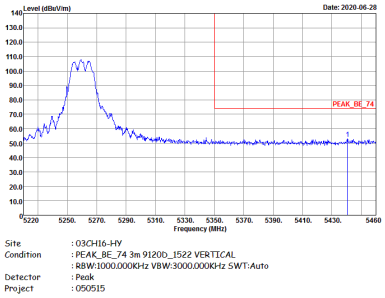
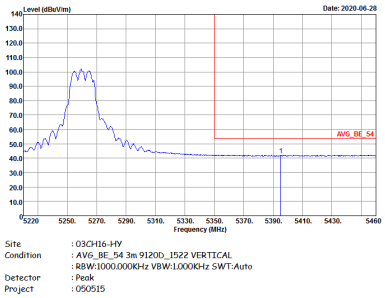
Band 2 - 5250~5350MHz

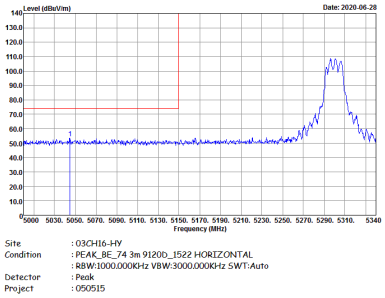
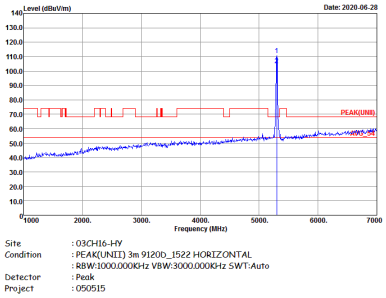
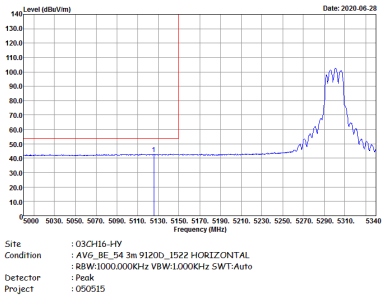
WIFI 802.11a (Band Edge @ 3m)

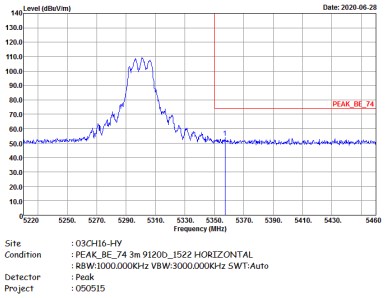
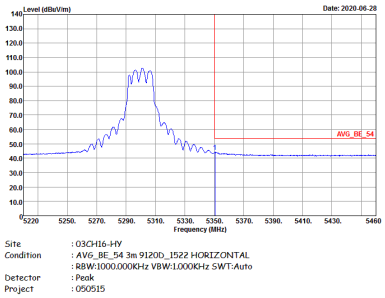
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

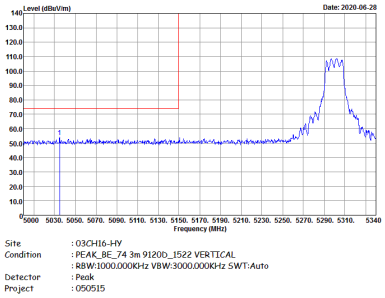
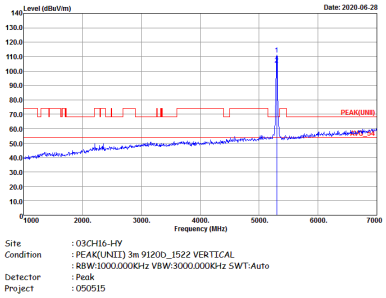
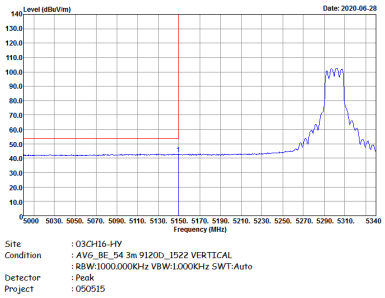
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

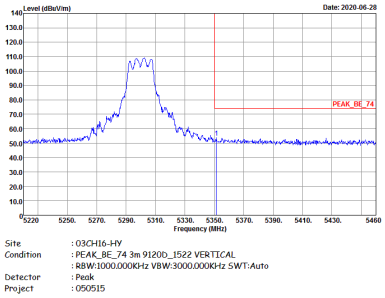
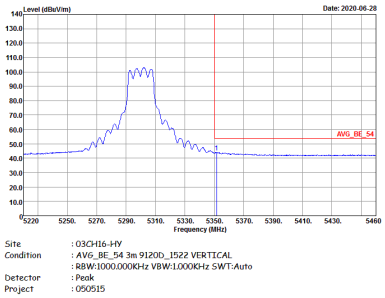
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

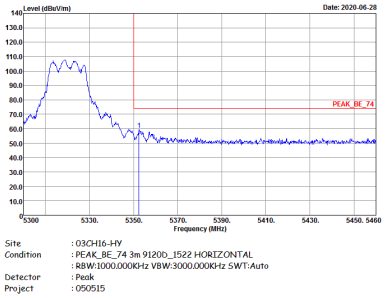
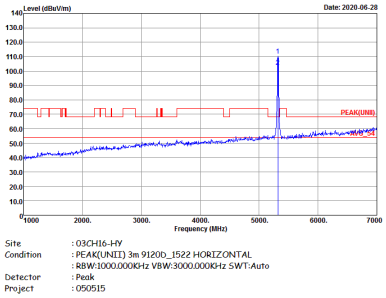
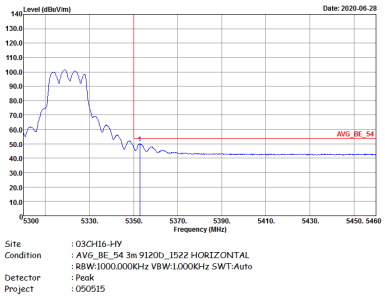
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

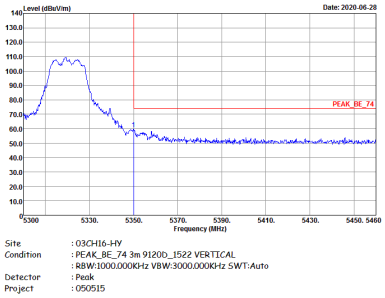
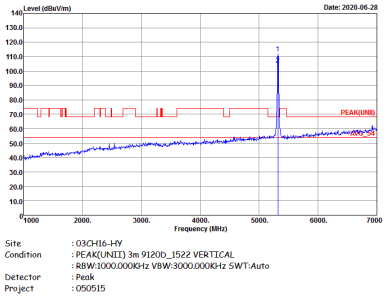
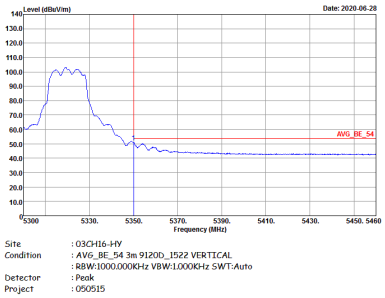
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

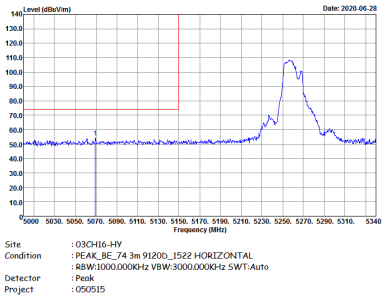
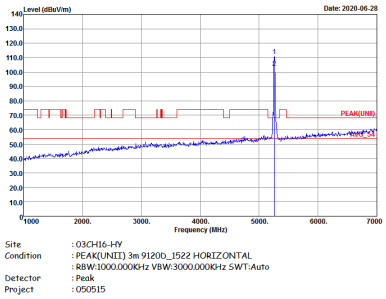
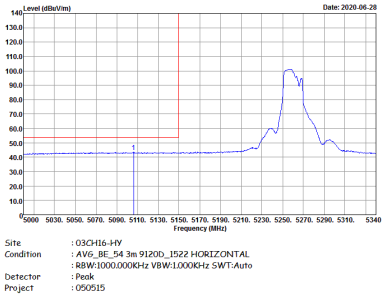
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

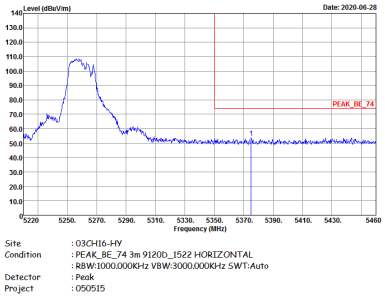
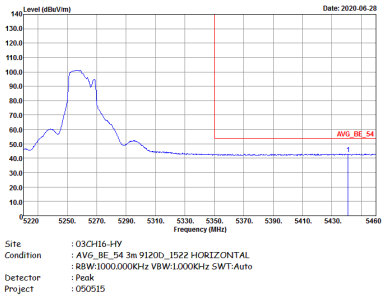
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

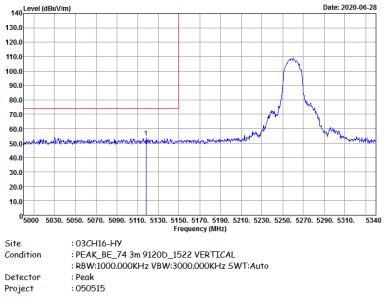
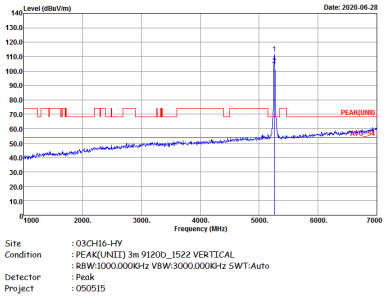
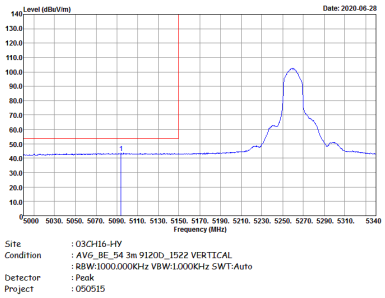
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

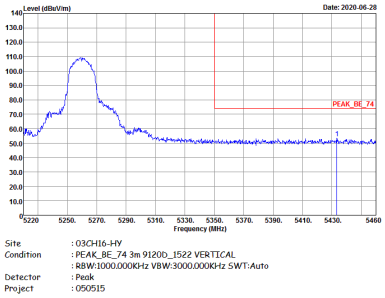
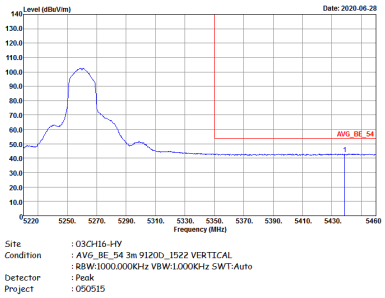
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 050515	Left blank

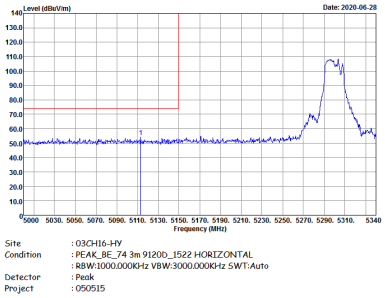
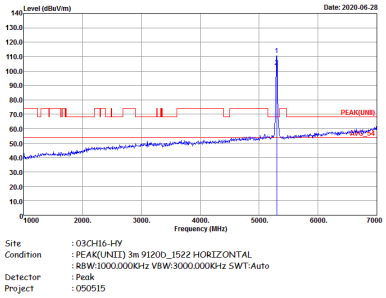
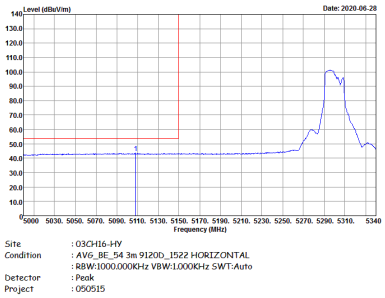
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

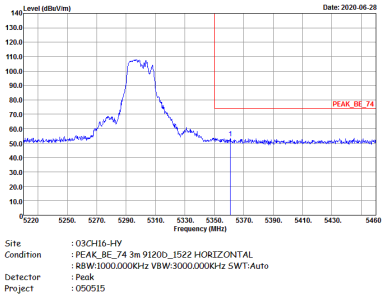
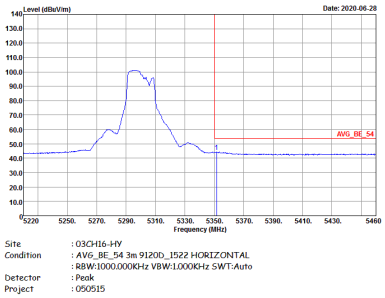
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

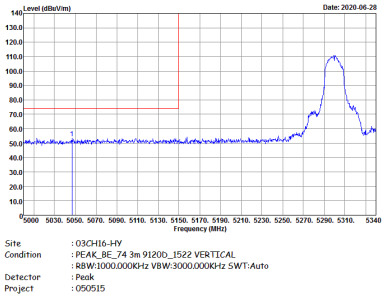
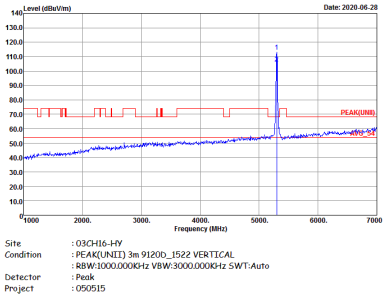
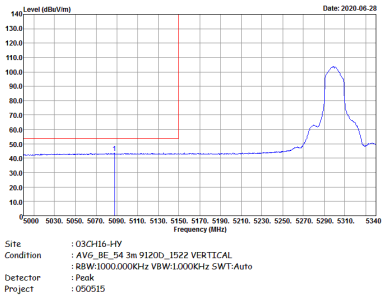
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

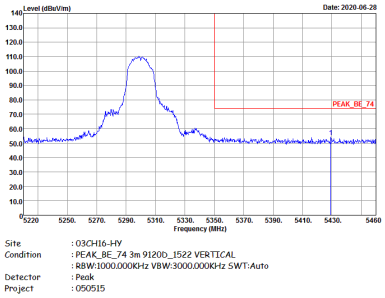
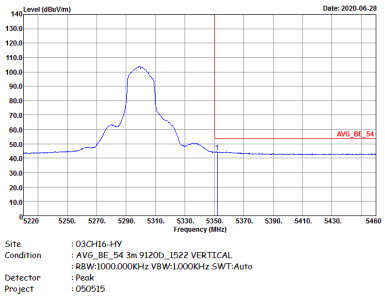
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

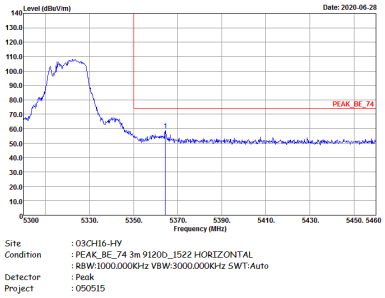
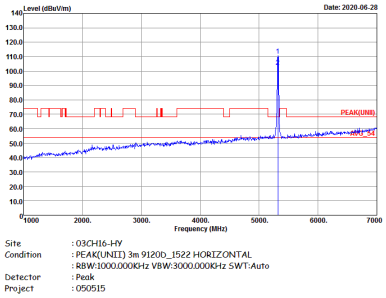
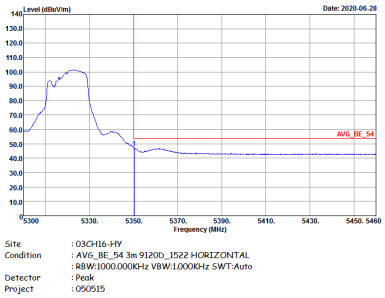
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

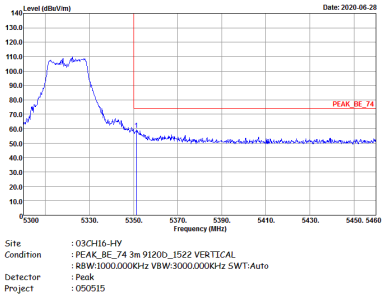
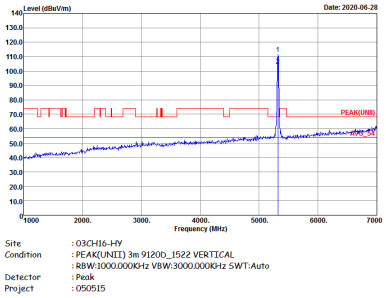
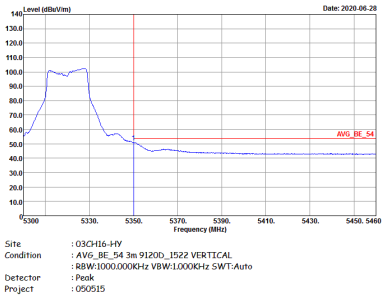
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

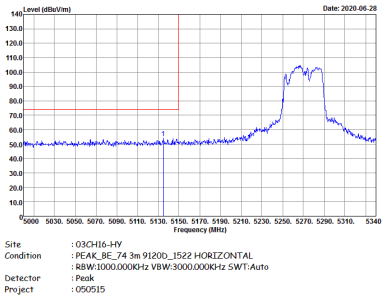
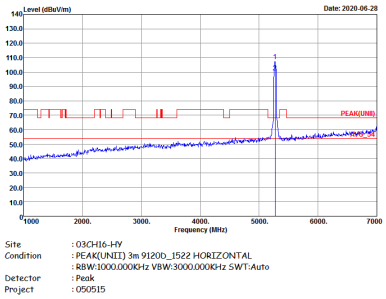
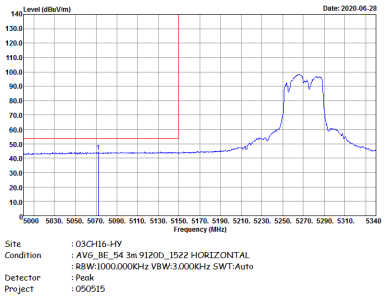
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

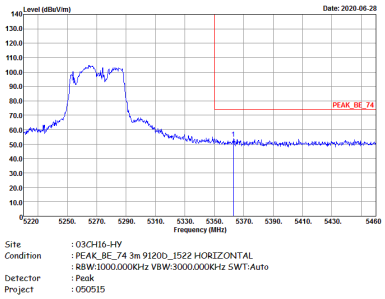
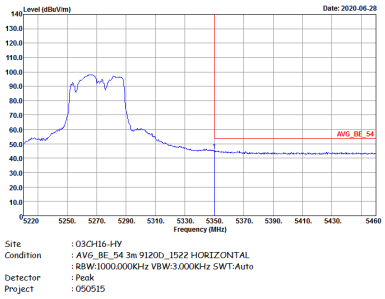
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

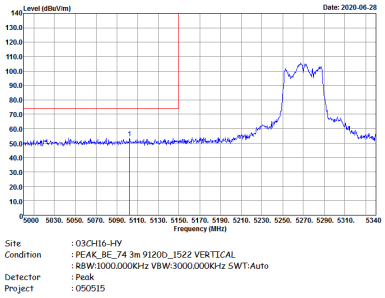
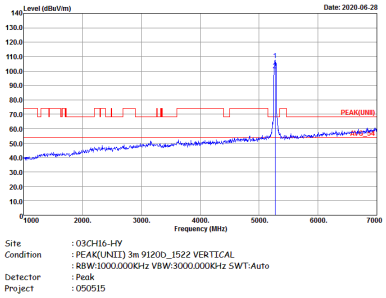
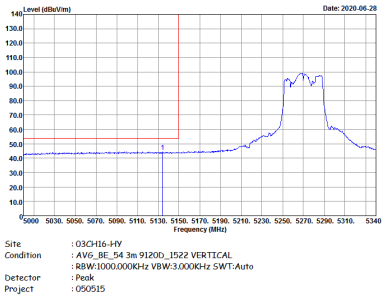
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

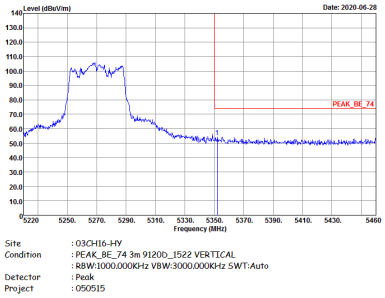
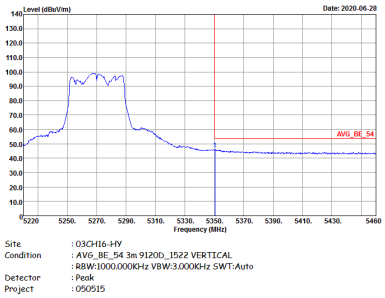
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 050515	Left blank

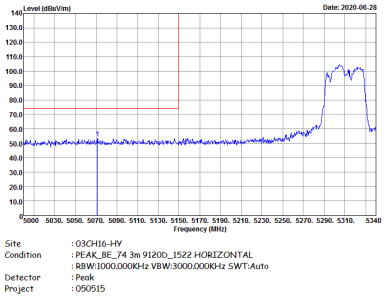
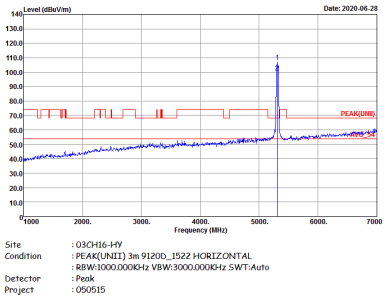
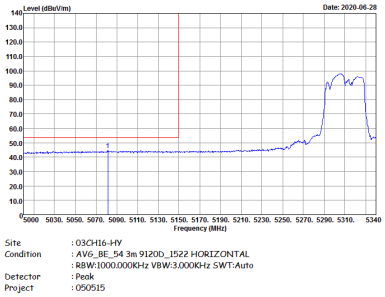
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

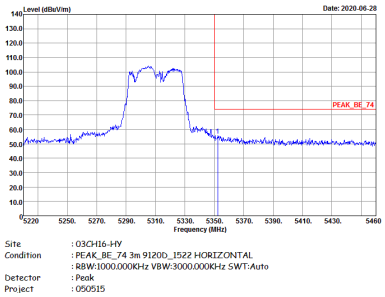
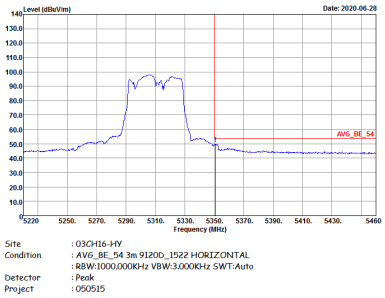
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

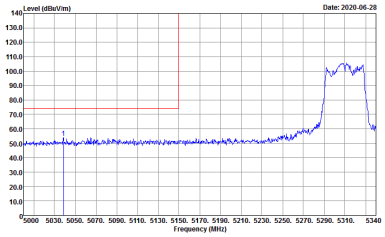
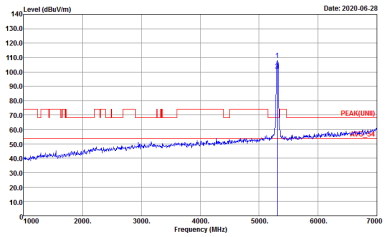
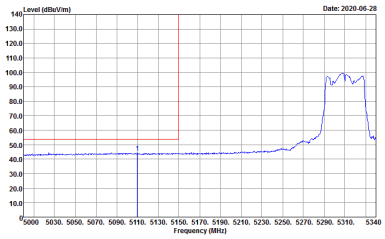
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

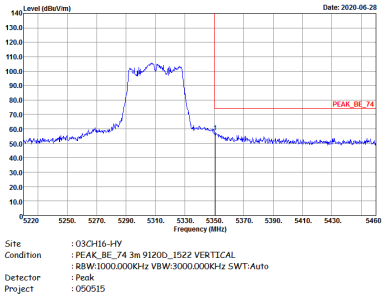
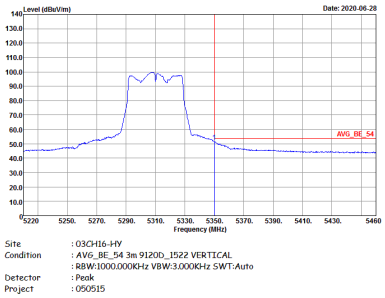
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
4+3	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
4+3	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

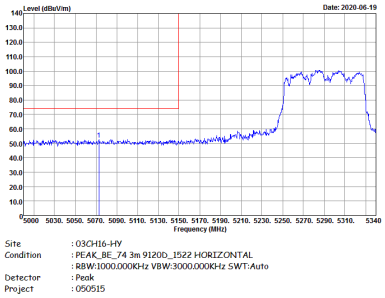
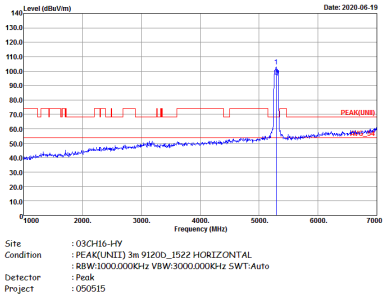
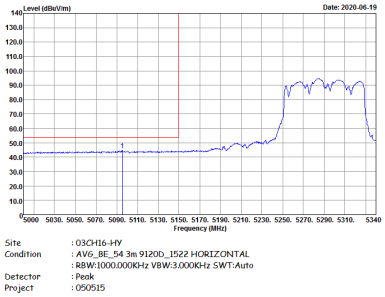
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

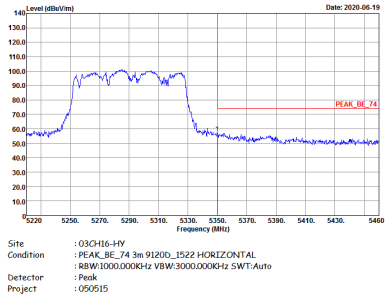
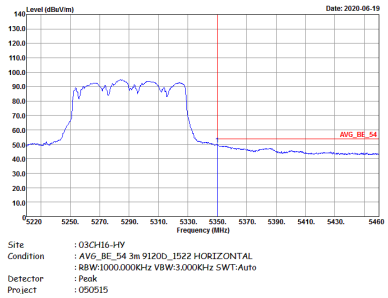
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

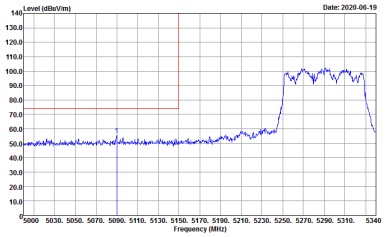
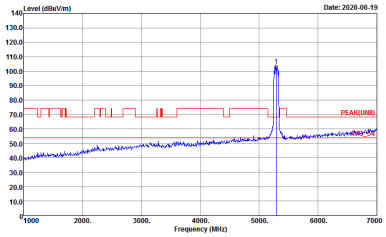
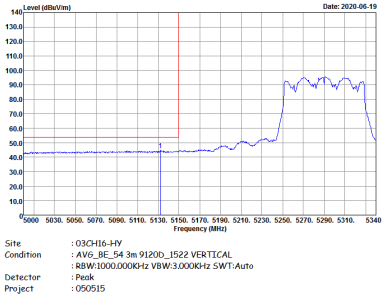
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 050515	Left blank

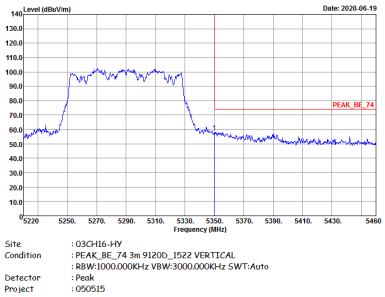
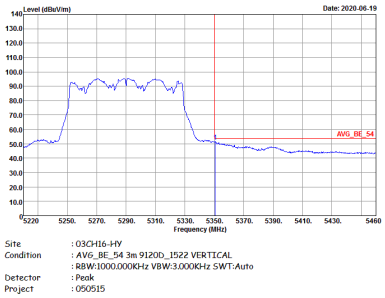
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

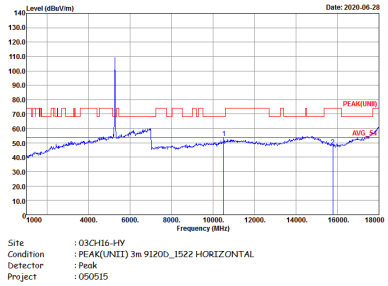
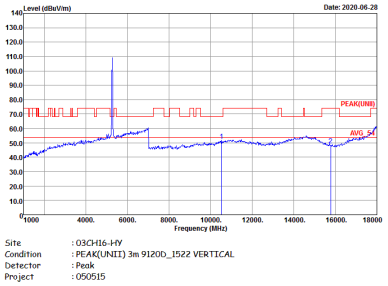
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

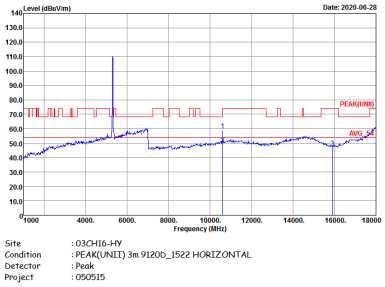
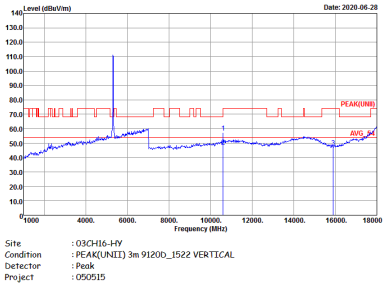
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

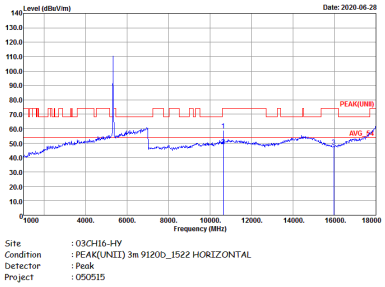
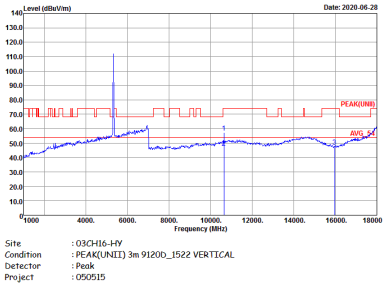
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

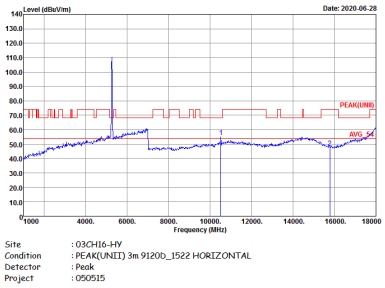
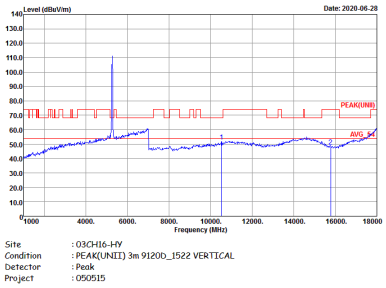
WIFI 802.11a (Harmonic @ 3m)

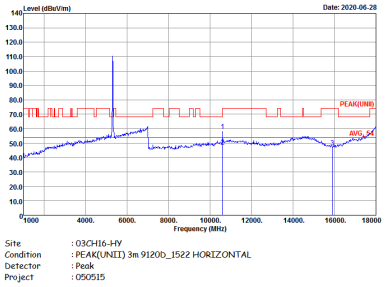
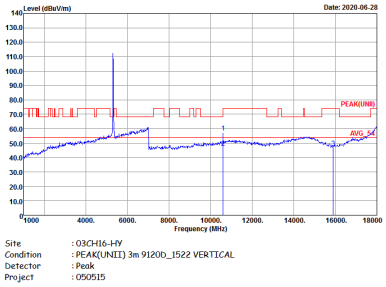
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.		

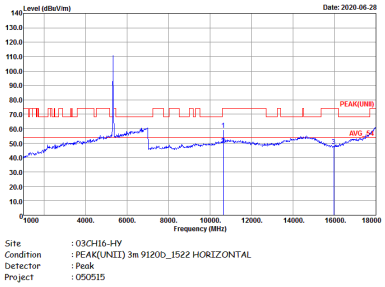
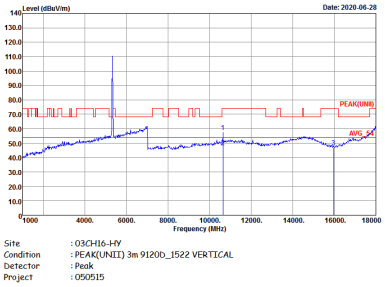
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.		

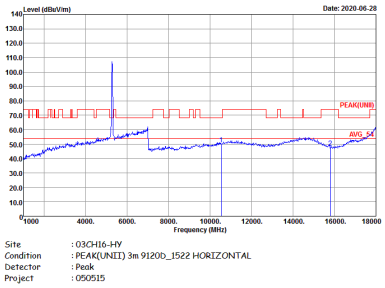
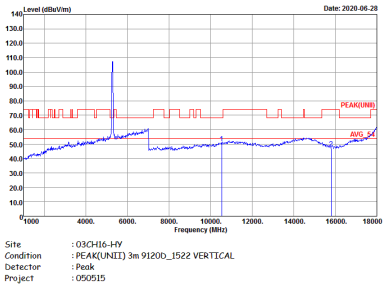
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

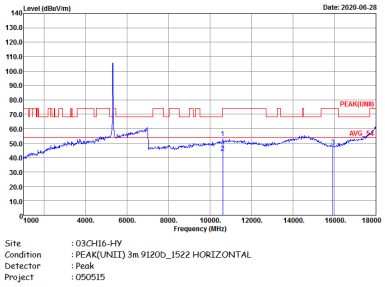
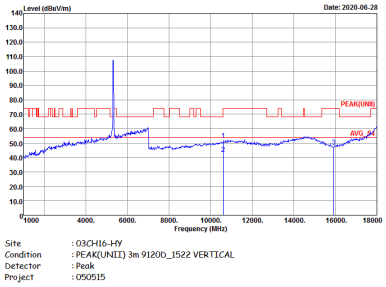
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.		

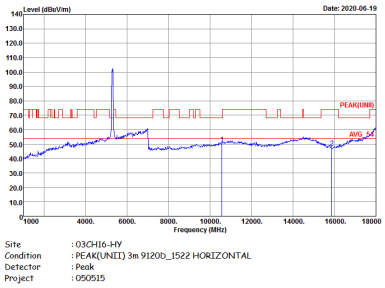
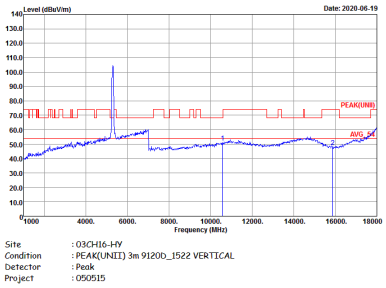
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
4+3	Horizontal	Vertical
Peak Avg.		

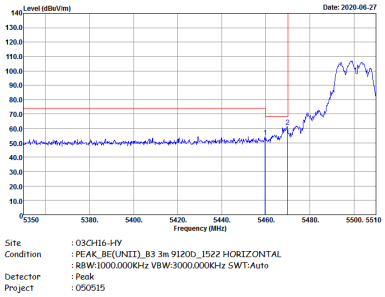
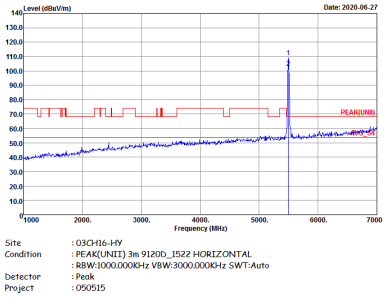
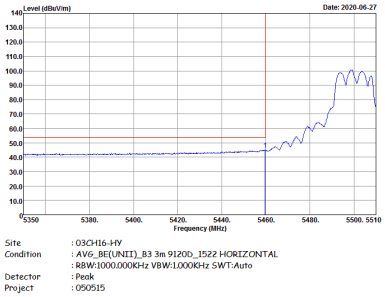
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
4+3	Horizontal	Vertical
Peak Avg.		

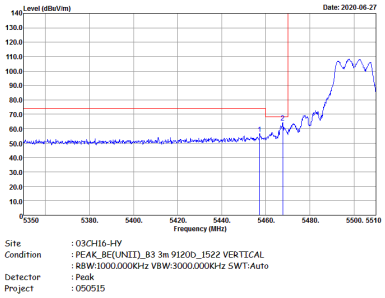
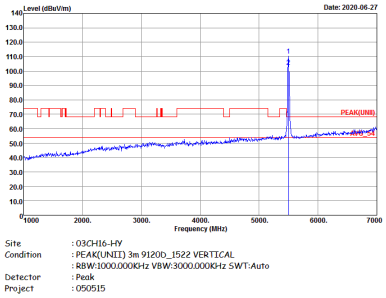
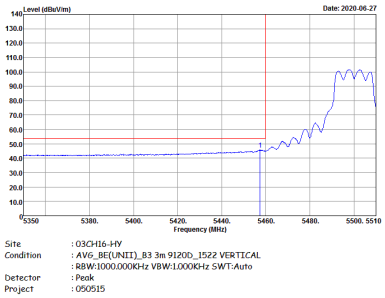
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

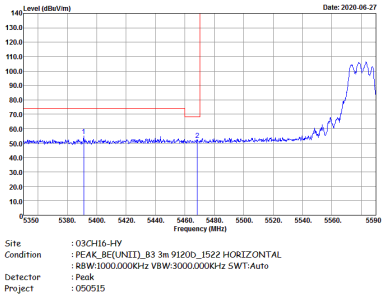
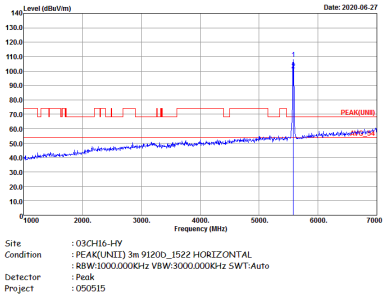
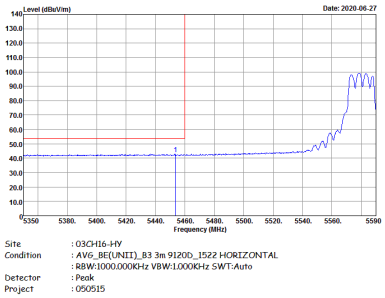
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
4+3	Horizontal	Vertical
Peak Avg.		

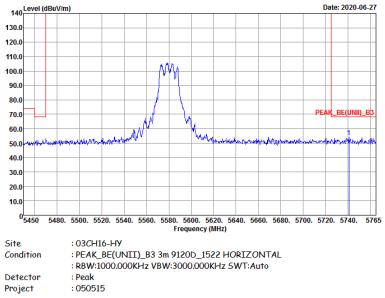
Band 3 - 5470~5725MHz

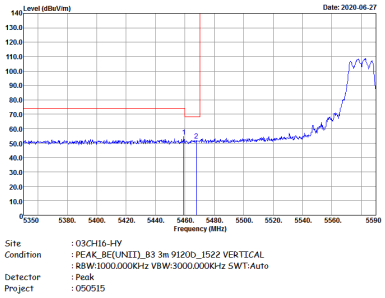
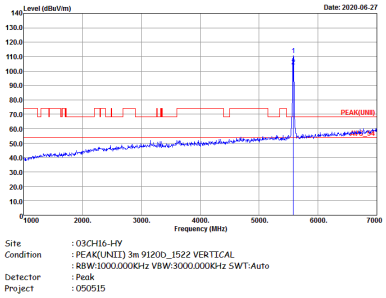
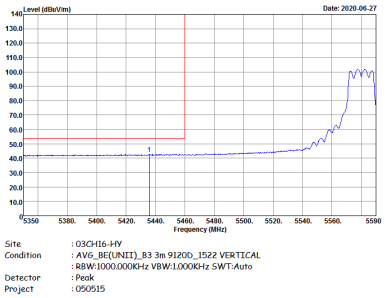
WIFI 802.11a (Band Edge @ 3m)

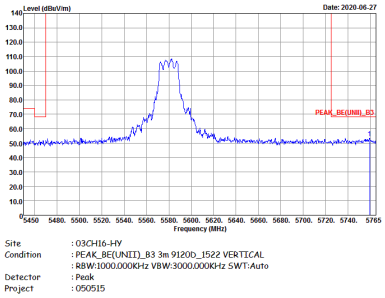
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

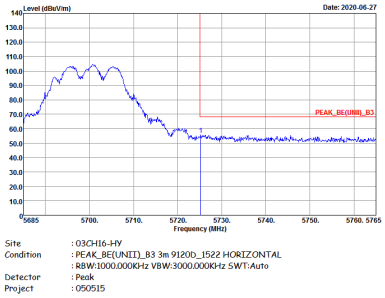
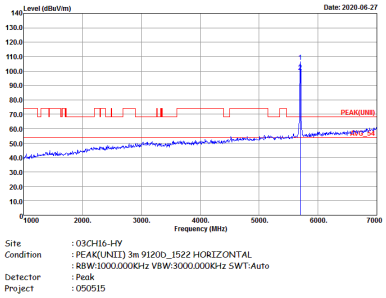
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

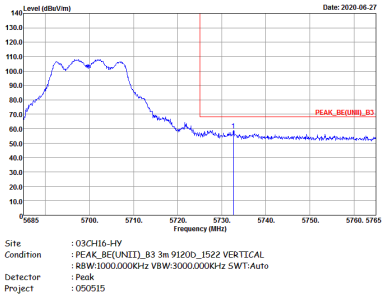
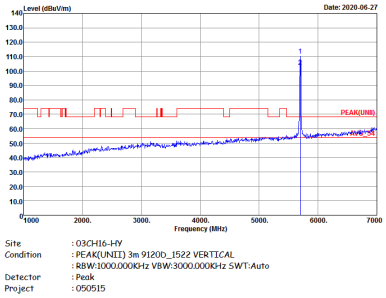
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

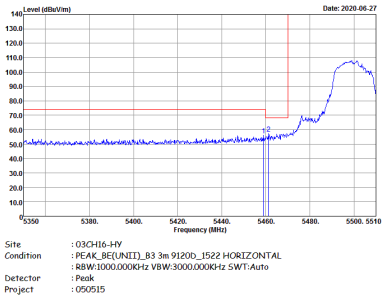
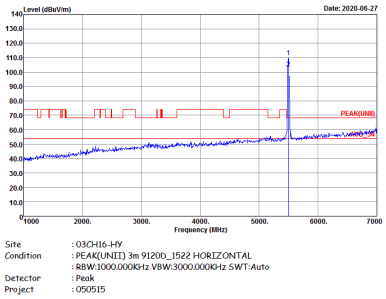
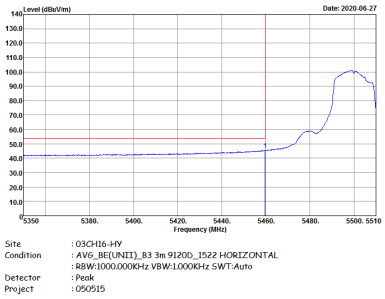
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

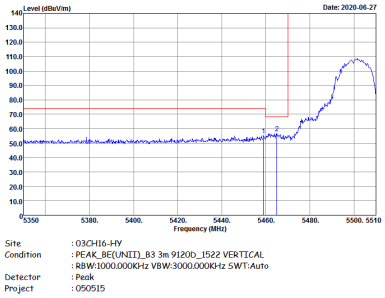
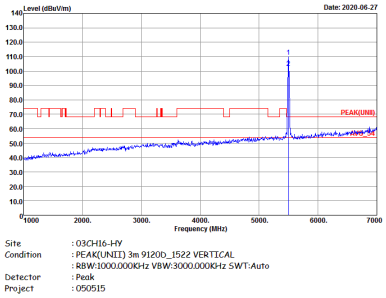
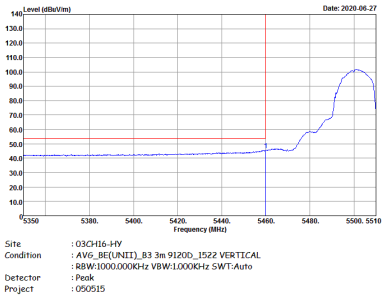
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank

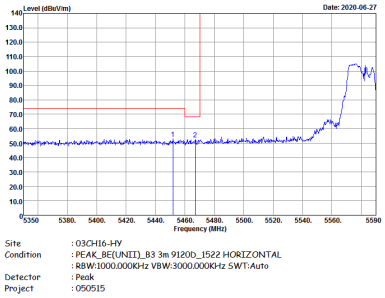
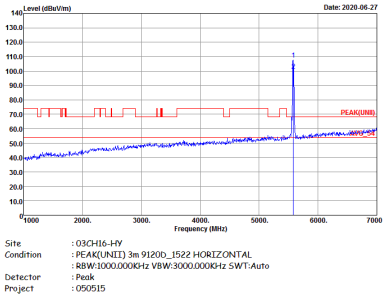
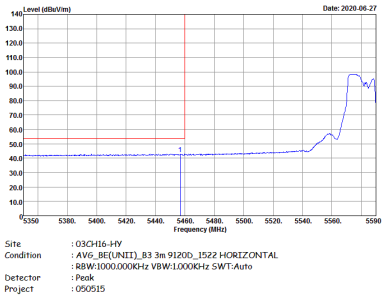
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+3	Horizontal	Fundamental
Peak		

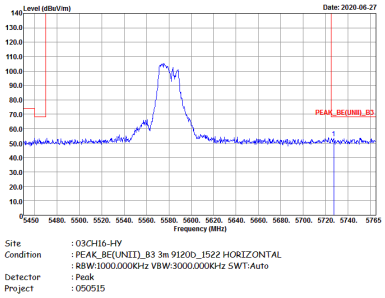
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+3	Vertical	Fundamental
Peak		

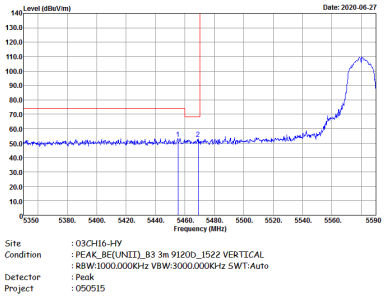
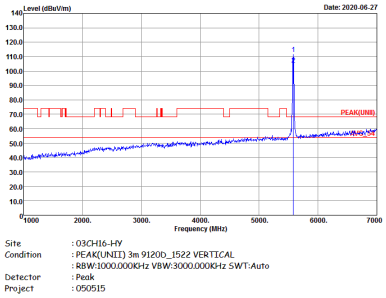
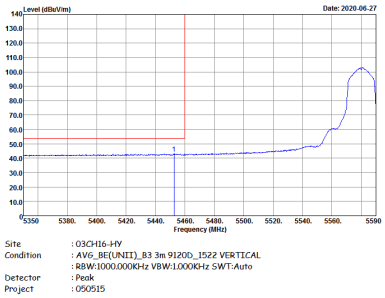
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

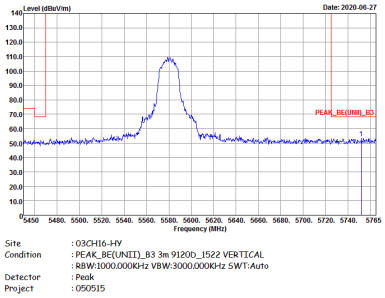
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

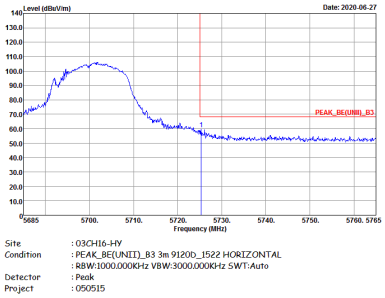
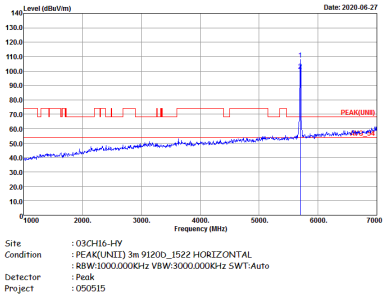
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

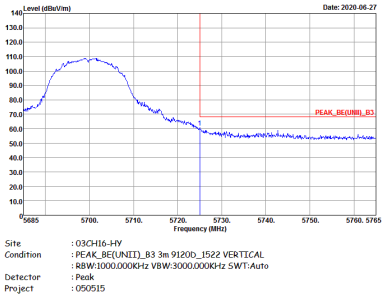
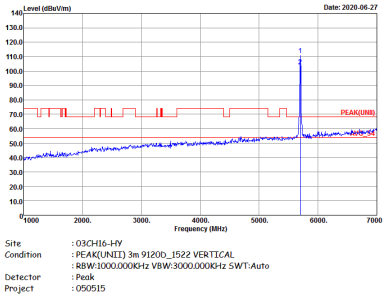
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

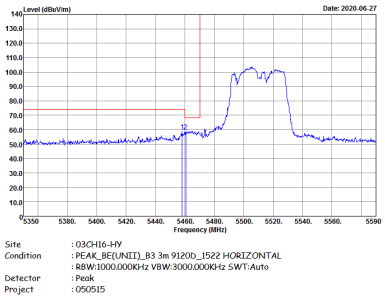
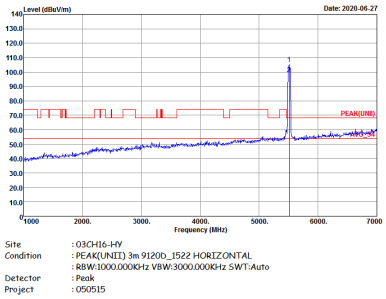
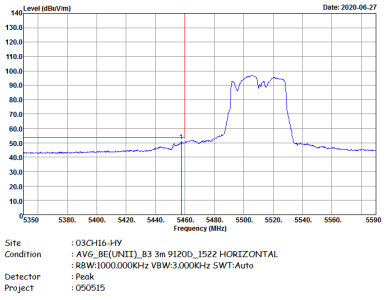
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

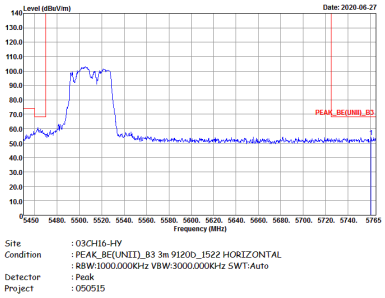
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank

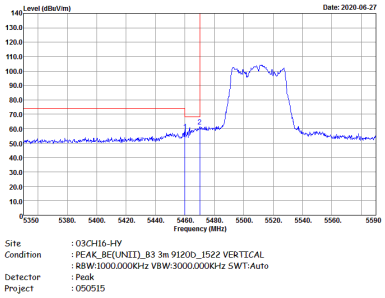
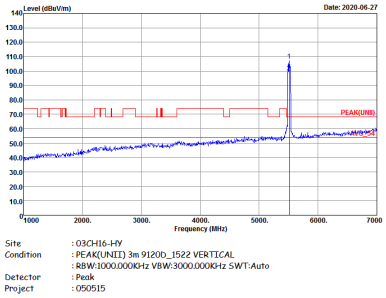
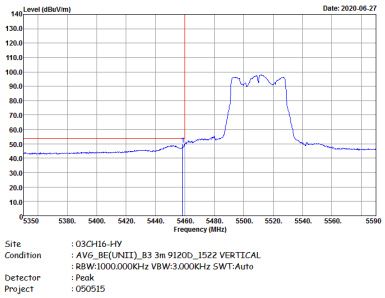
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4+3	Horizontal	Fundamental
Peak		

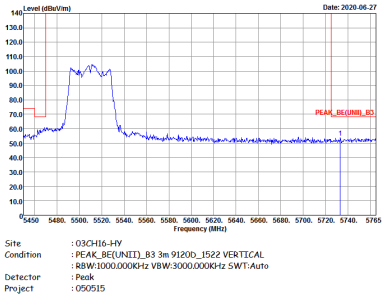
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4+3	Vertical	Fundamental
Peak.		

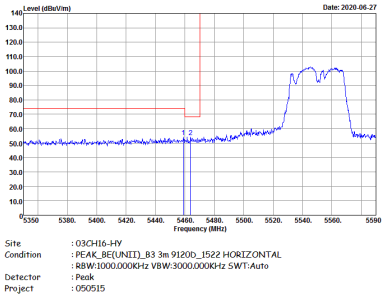
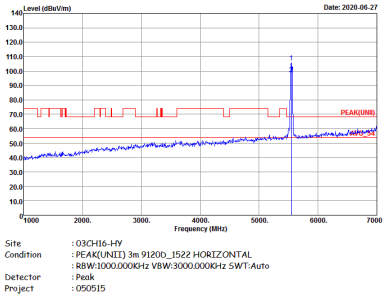
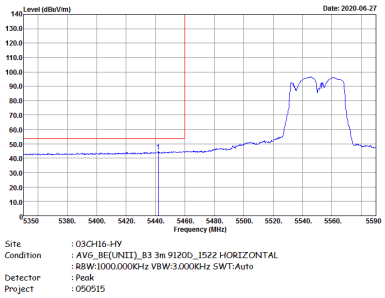
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

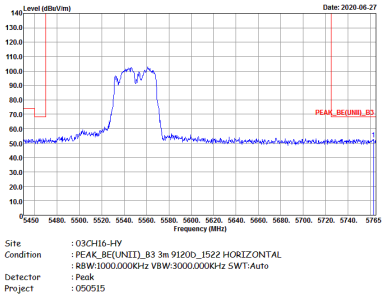
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

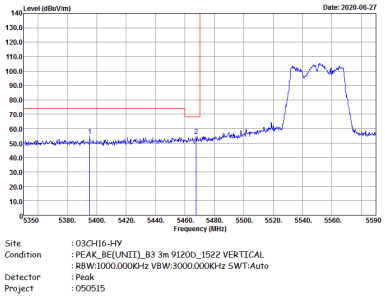
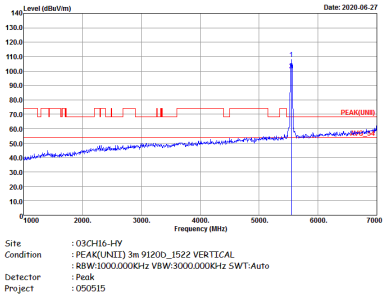
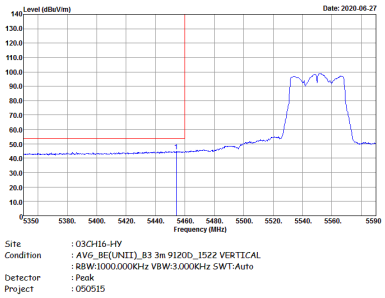
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank

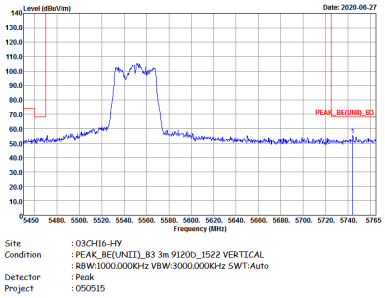
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

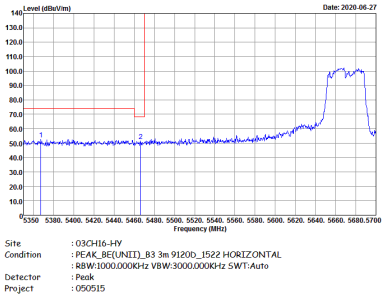
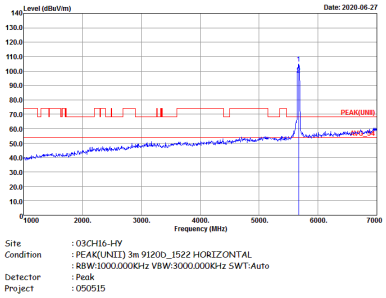
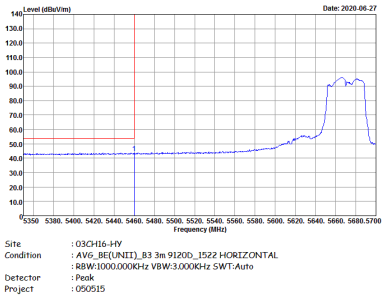
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank

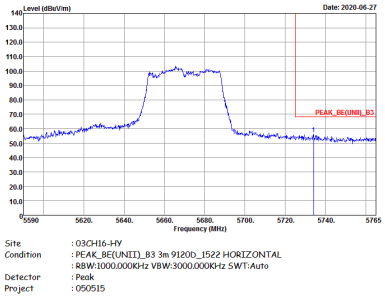
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

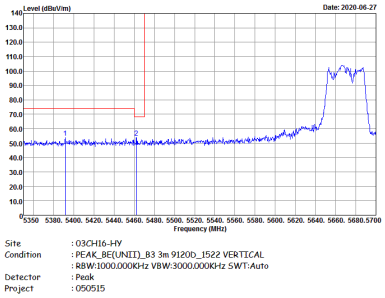
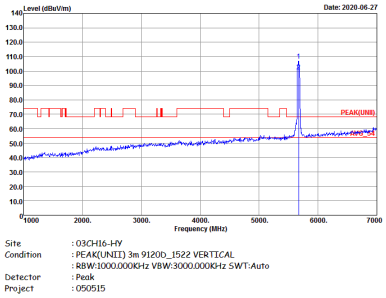
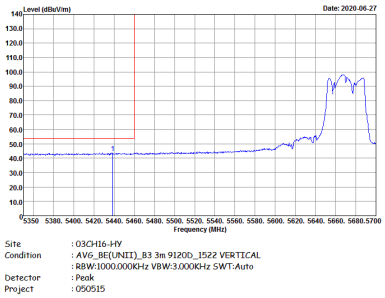
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank

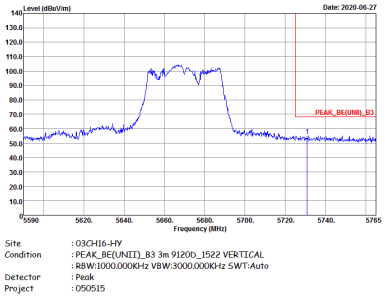
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank

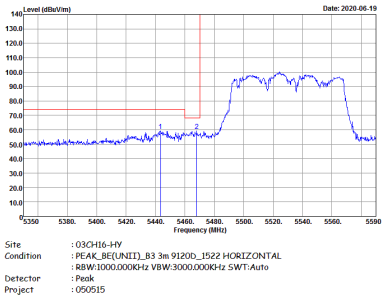
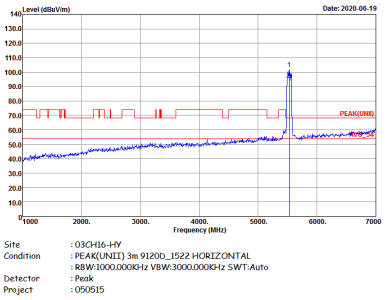
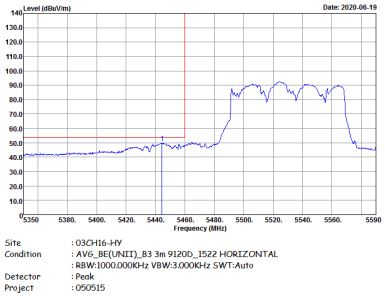
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

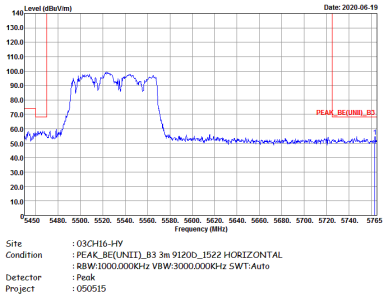
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank

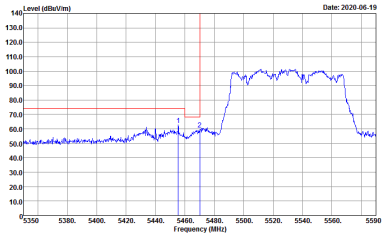
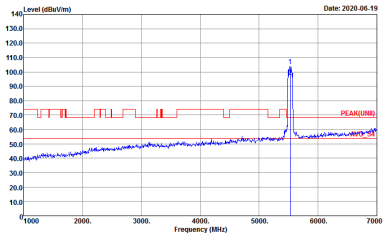
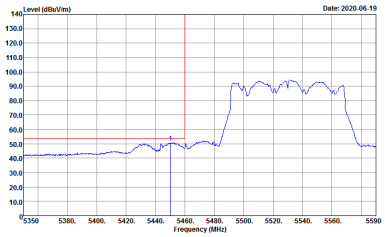
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

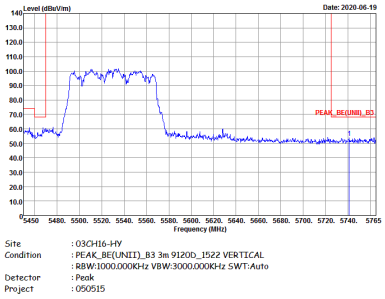
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank

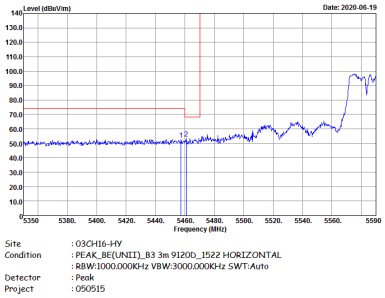
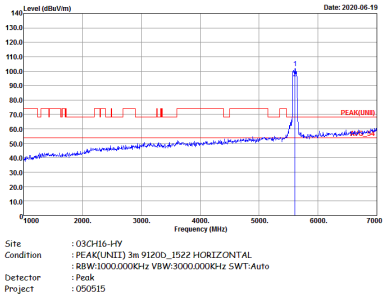
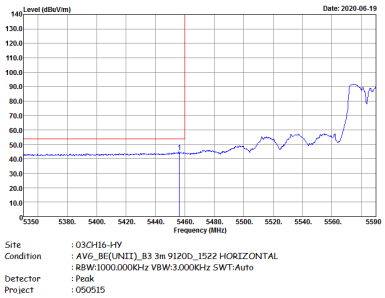
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

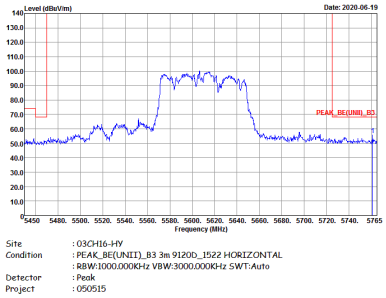
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

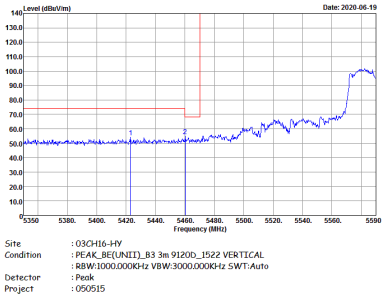
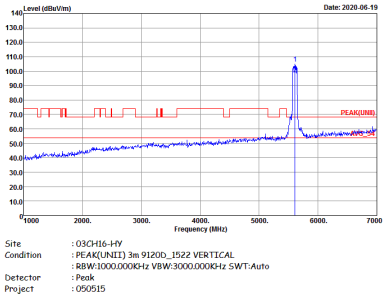
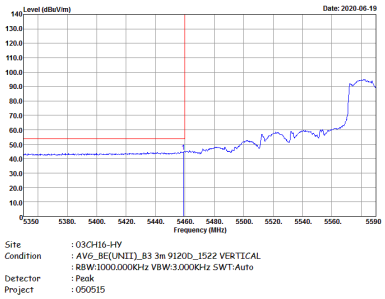
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank

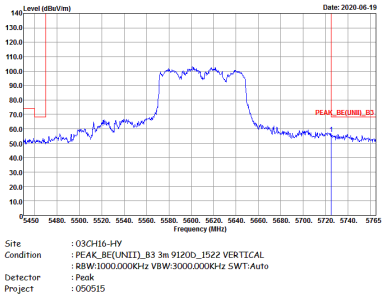
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_83 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 050515
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_83 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 050515	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Horizontal	Vertical
Peak Avg.