FCC RADIO TEST REPORT

FCC ID	:	**2AWTZ-8462**
Equipment	:	**Digital Media Receiver**
Model Name	:	**A8H3N2**
Applicant	:	**Boulder Clay LLC** **NORTH STONE OAK** **18756 STONE OAK PARKWAY, SUITE 200,** **SAN ANTONIO, TEXAS, 78258**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Aug. 27, 2020 and testing was started from Sep. 03, 2020 and completed on Oct. 23, 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
FR040941-01E	01	Initial issue of report	Nov. 04, 2020
FR040941-01E	02	Revising unit typo.	Jan. 25, 2021

Summary of Test Result

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

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

Reviewed by: Wii Chang
Report Producer: Tina Chuang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	A8H3N2
FCC ID	2AWTZ-8462
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	**<5180 MHz ~ 5240 MHz>**

MIMO <Ant. 0+1>				
802.11a	17.51	dBm	0.0564	W
802.11n HT20	17.41	dBm	0.0551	W
802.11n HT40	18.46	dBm	0.0701	W
802.11ac VHT20	17.31	dBm	0.0538	W
802.11ac VHT40	18.36	dBm	0.0685	W
802.11ac VHT80	15.56	dBm	0.0360	W

<5260 MHz ~ 5320 MHz>

MIMO <Ant. 0+1>				
802.11a	17.61	dBm	0.0577	W
802.11n HT20	17.51	dBm	0.0564	W
802.11n HT40	18.61	dBm	0.0726	W
802.11ac VHT20	17.41	dBm	0.0551	W
802.11ac VHT40	18.51	dBm	0.0710	W
802.11ac VHT80	15.81	dBm	0.0381	W

<5500 MHz ~ 5720 MHz>

MIMO <Ant. 0+1>				
802.11a	17.41	dBm	0.0551	W
802.11n HT20	17.31	dBm	0.0538	W
802.11n HT40	18.26	dBm	0.0670	W
802.11ac VHT20	17.21	dBm	0.0526	W
802.11ac VHT40	18.16	dBm	0.0655	W
802.11ac VHT80	17.02	dBm	0.0504	W

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>99% Occupied Bandwidth</td><td>
<table>
<tr><th colspan="3">MIMO <Ant. 0></th></tr>
<tr><td>802.11a</td><td>16.78</td><td>MHz</td></tr>
<tr><td>802.11n HT20</td><td>17.73</td><td>MHz</td></tr>
<tr><td>802.11n HT40</td><td>36.46</td><td>MHz</td></tr>
<tr><td>802.11ac VHT80</td><td>76.24</td><td>MHz</td></tr>
</table>
<table>
<tr><th colspan="3">MIMO <Ant. 1></th></tr>
<tr><td>802.11a</td><td>16.68</td><td>MHz</td></tr>
<tr><td>802.11n HT20</td><td>17.68</td><td>MHz</td></tr>
<tr><td>802.11n HT40</td><td>36.36</td><td>MHz</td></tr>
<tr><td>802.11ac VHT80</td><td>76.24</td><td>MHz</td></tr>
</table>
</td></tr>
<tr><td rowspan="3">Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 0 : 4.82 dBi
Ant. 1 : 5.32 dBi</td></tr>
<tr><td><5260 MHz ~ 5320 MHz>
Ant. 0 : 4.57 dBi
Ant. 1 : 5.16 dBi</td></tr>
<tr><td><5500 MHz ~ 5720 MHz>
Ant. 0 : 5.33 dBi
Ant. 1 : 5.19 dBi</td></tr>
<tr><td>Antenna Type</td><td>WLAN
Ant. 0: PCB Loop Antenna
Ant. 1: PCB PIFA Antenna</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 Function Description</td><td>
<table>
<tr><th></th><th>Ant. 0</th><th>Ant. 1</th></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Note: MIMO Ant. 0+1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.

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.

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).

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + H-pattern + Adapter (AP20 WR)
Remark: For Radiated Test Cases, the tests were performed with Adapter (AP20 WR).	

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

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

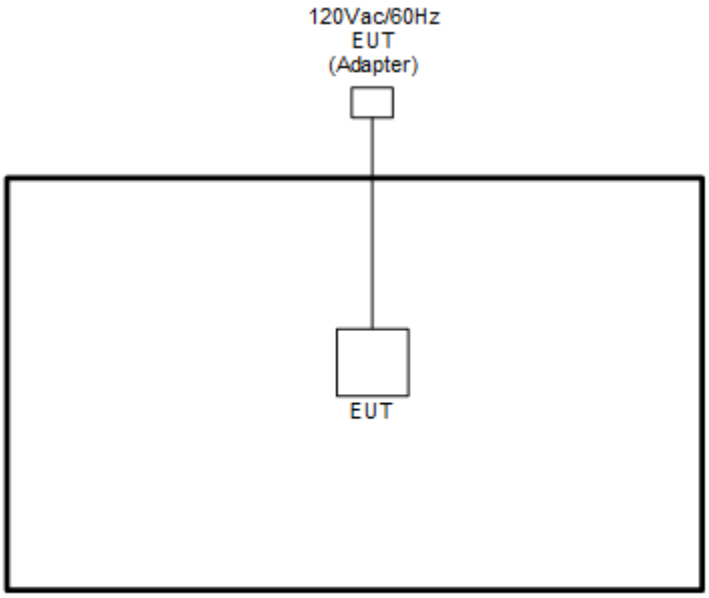
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

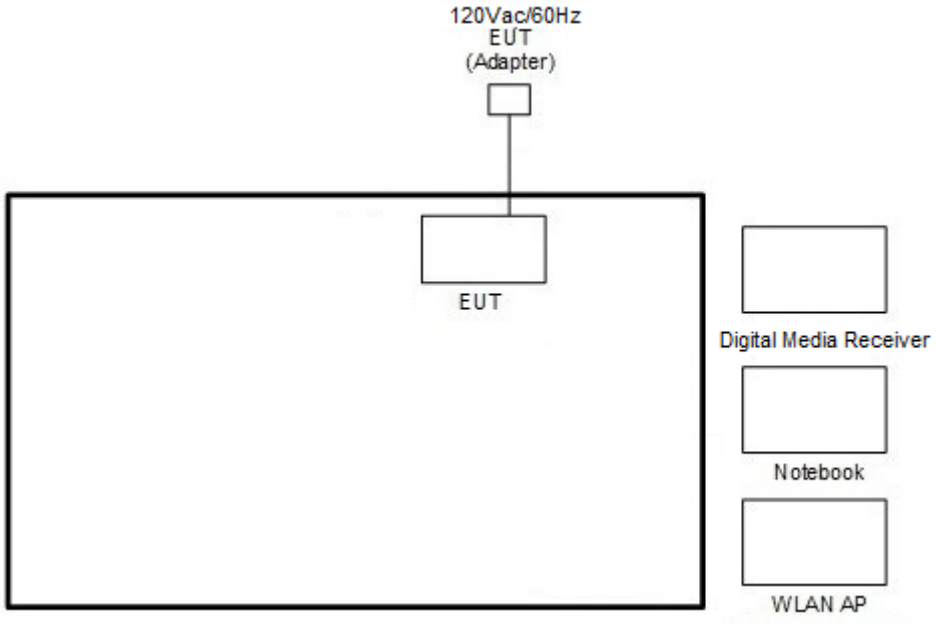
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	Latitude 3400	FCC DOC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m
3.	Digital Media Receiver	N/A	C7H6N3	2ARO5-7879	N/A	Unshielded,1.8m

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance_1.0.0.89” 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

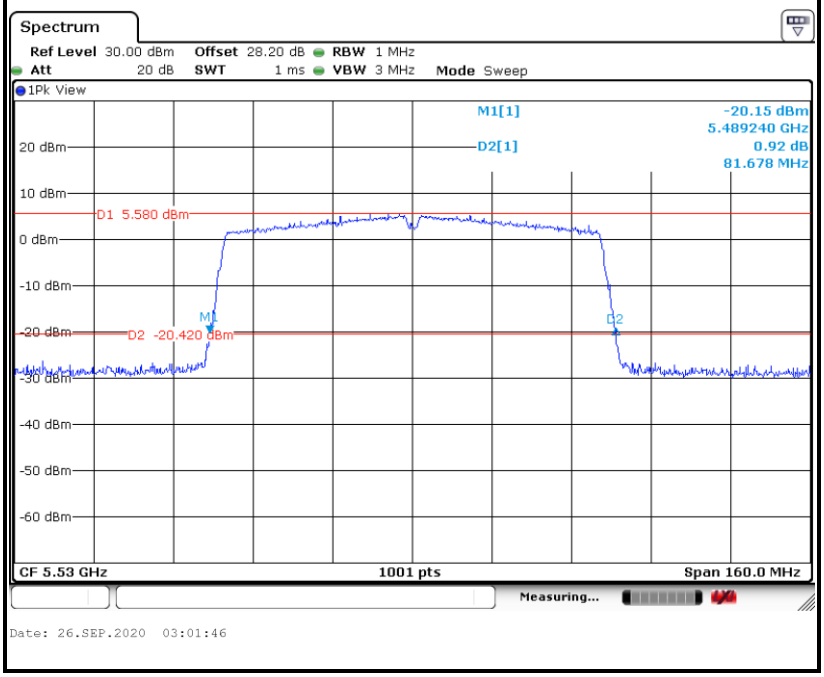
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

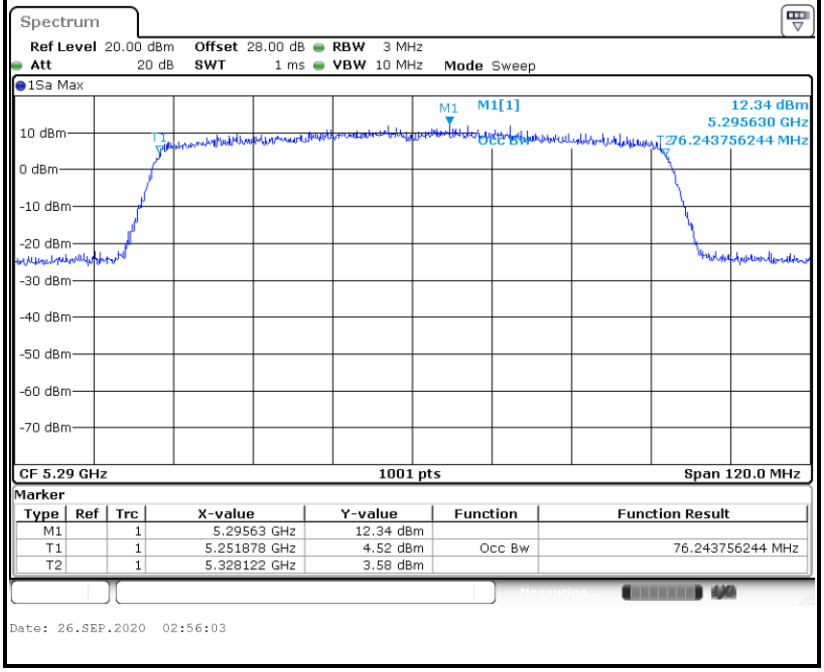
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

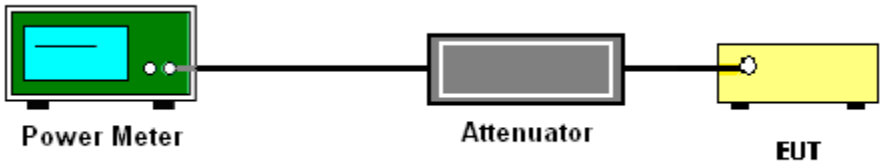
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

 # Method SA-3 #

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

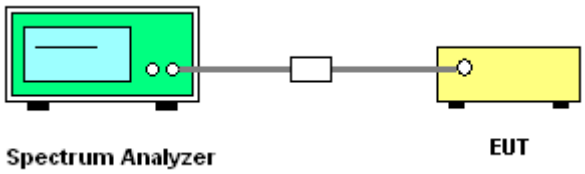
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

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

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

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

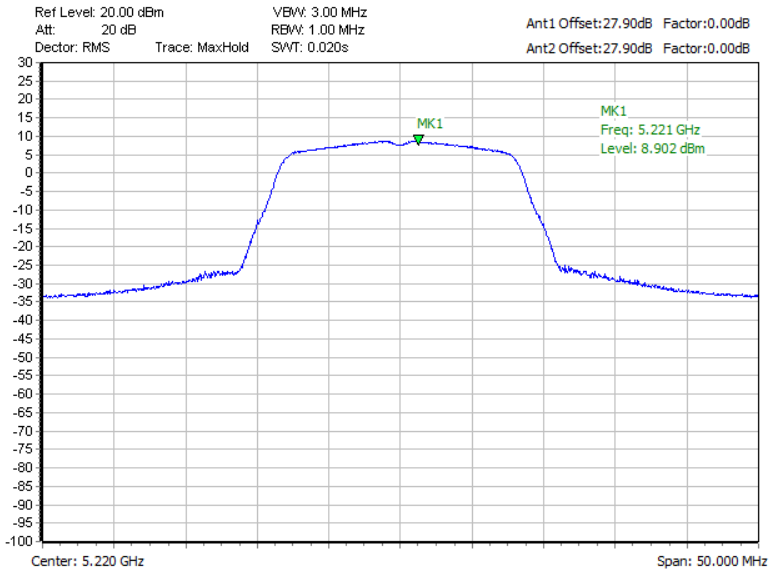
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

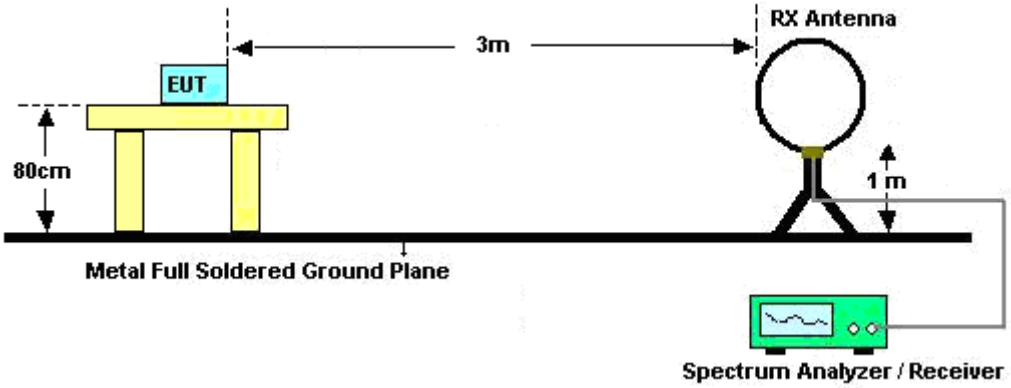
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

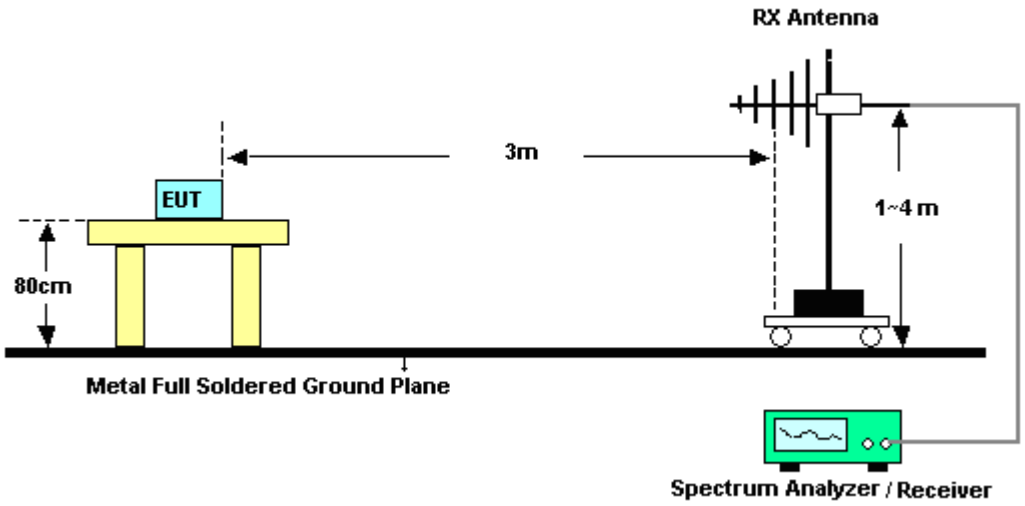
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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

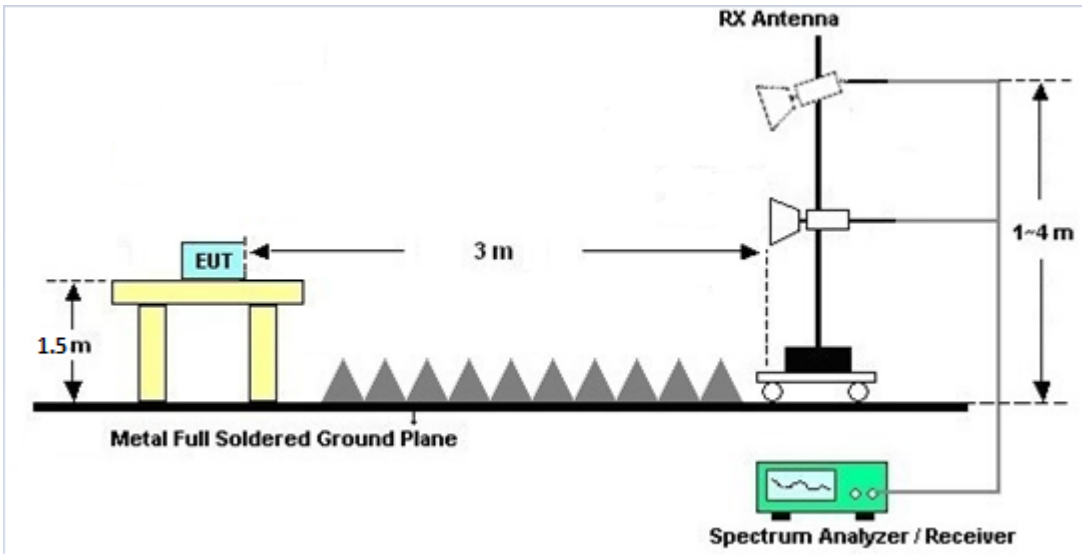
For radiated emissions below 30MHz



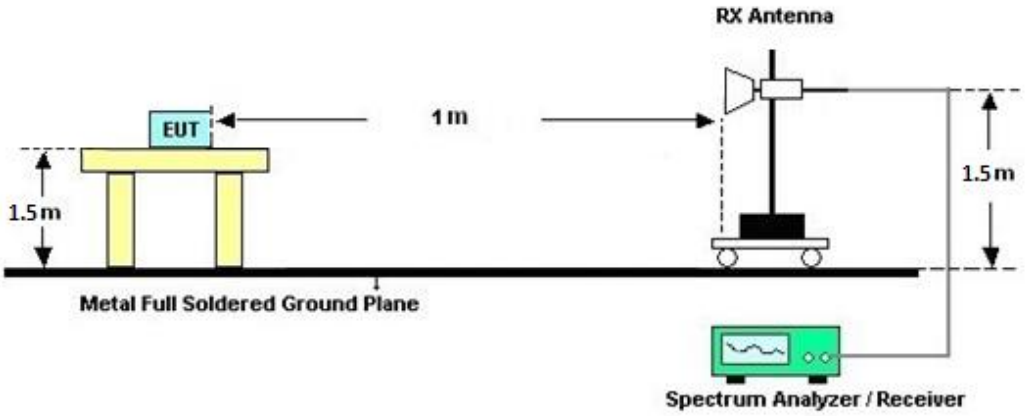
For radiated emissions from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



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.

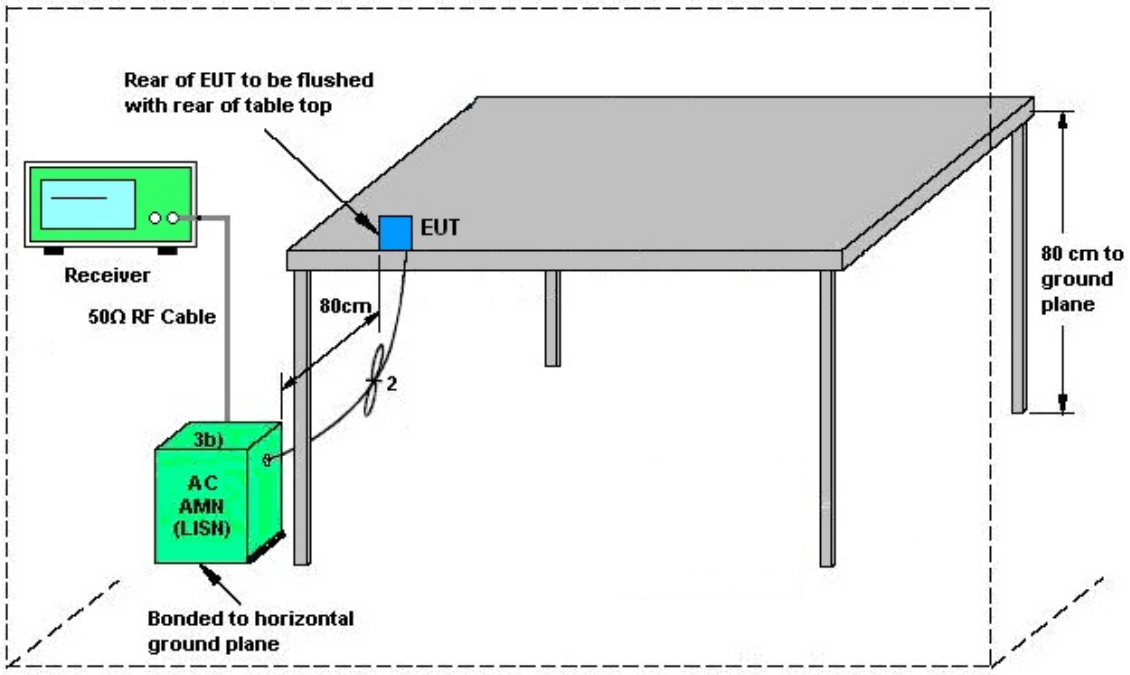
3.5.2 Measuring Instruments

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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

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

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

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

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

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

5180MHz

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output **v02r01**

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.82	5.32	5.32	8.08	0.00	2.08
Band II	4.57	5.16	5.16	7.88	0.00	1.88
Band III	5.33	5.19	5.33	8.27	0.00	2.27

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	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Sep. 16, 2020~ Oct. 23, 2020	Jul. 13, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 12, 2019	Sep. 16, 2020~ Oct. 10, 2020	Oct. 11, 2020	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 11, 2020	Oct. 11, 2020~ Oct. 23, 2020	Oct. 10, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 10, 2019	Sep. 16, 2020~ Oct. 23, 2020	Dec. 09, 2020	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Oct. 01, 2019	Sep. 16, 2020~ Sep. 29, 2020	Sep. 30, 2020	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Sep. 30, 2020	Sep. 30, 2020~ Oct. 23, 2020	Sep. 29, 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1G~18GHz	May 20, 2020	Sep. 16, 2020~ Oct. 23, 2020	May 19, 2021	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800054001	1GHz~18GHz	Sep. 04, 2020	Sep. 16, 2020~ Oct. 23, 2020	Sep. 03, 2021	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~40GHz	Dec. 13, 2019	Sep. 16, 2020~ Oct. 23, 2020	Dec. 12, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 11, 2019	Sep. 16, 2020~ Oct. 23, 2020	Dec.10, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 05, 2019	Sep. 16, 2020~ Oct. 23, 2020	Dec. 04, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 29, 2020	Sep. 16, 2020~ Oct. 23, 2020	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 29, 2020	Sep. 16, 2020~ Oct. 23, 2020	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 29, 2020	Sep. 16, 2020~ Oct. 23, 2020	Aug. 28, 2021	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP162965	N/A	Oct. 25, 2019	Sep. 16, 2020~ Oct. 23, 2020	Oct. 24, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Sep. 16, 2020~ Oct. 23, 2020	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Sep. 16, 2020~ Oct. 23, 2020	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 16, 2020~ Oct. 23, 2020	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 16, 2020~ Oct. 23, 2020	N/A	Radiation (03CH16-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Sep. 10, 2020~ Oct. 18, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Sep. 10, 2020~ Oct. 18, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 15, 2019	Sep. 10, 2020~ Oct. 18, 2020	Nov. 14, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Sep. 10, 2020~ Oct. 18, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17,2020	Sep. 10, 2020~ Oct. 18, 2020	Mar. 16,2021	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 03, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Sep. 03, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Sep. 03, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Sep. 03, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 03, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Sep. 03, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Sep. 03, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Spectrum Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Aug. 27, 2020	Sep. 29, 2020	Aug. 26, 2021	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))	**4.5**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.3**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu	Temperature:	22.7~24	°C
Test Date:	2020/9/10~2020/10/18	Relative Humidity:	53.5~55	%

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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	16.73	16.53	21.08	20.83	-		22.18			
11a	6Mbps	2	44	5220	16.73	16.63	21.18	20.98	-		22.21			
11a	6Mbps	2	48	5240	16.78	16.68	21.08	20.83	-		22.22			
HT20	MCS0	2	36	5180	17.73	17.63	21.28	21.08	-		22.46			
HT20	MCS0	2	44	5220	17.73	17.68	21.38	21.18	-		22.48			
HT20	MCS0	2	48	5240	17.73	17.63	21.43	21.13	-		22.46			
HT40	MCS0	2	38	5190	36.36	36.36	41.81	41.27	-		23.01			
HT40	MCS0	2	46	5230	36.36	36.36	41.90	41.45	-		23.01			
VHT80	MCS0	2	42	5210	76.12	76.12	81.36	80.56	-		23.01			

TEST RESULTS DATA
Average Power Table

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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	14.60	14.40	17.51	24.00		5.32			Pass
11a	6Mbps	2	44	5220	14.40	14.60	17.51	24.00		5.32			Pass
11a	6Mbps	2	48	5240	14.40	14.40	17.41	24.00		5.32			Pass
HT20	MCS0	2	36	5180	14.40	14.40	17.41	24.00		5.32			Pass
HT20	MCS0	2	44	5220	14.20	14.50	17.36	24.00		5.32			Pass
HT20	MCS0	2	48	5240	14.30	14.40	17.36	24.00		5.32			Pass
HT40	MCS0	2	38	5190	15.30	15.60	18.46	24.00		5.32			Pass
HT40	MCS0	2	46	5230	15.20	15.50	18.36	24.00		5.32			Pass
VHT20	MCS0	2	36	5180	14.30	14.30	17.31	24.00		5.32			Pass
VHT20	MCS0	2	44	5220	14.10	14.40	17.26	24.00		5.32			Pass
VHT20	MCS0	2	48	5240	14.20	14.30	17.26	24.00		5.32			Pass
VHT40	MCS0	2	38	5190	15.20	15.50	18.36	24.00		5.32			Pass
VHT40	MCS0	2	46	5230	15.10	15.40	18.26	24.00		5.32			Pass
VHT80	MCS0	2	42	5210	12.40	12.70	15.56	24.00		5.32			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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180			8.72	8.92		8.08			Pass
11a	6Mbps	2	44	5220			8.90	8.92		8.08			Pass
11a	6Mbps	2	48	5240			8.79	8.92		8.08			Pass
HT20	MCS0	2	36	5180			8.58	8.92		8.08			Pass
HT20	MCS0	2	44	5220			8.71	8.92		8.08			Pass
HT20	MCS0	2	48	5240			8.50	8.92		8.08			Pass
HT40	MCS0	2	38	5190			6.51	8.92		8.08			Pass
HT40	MCS0	2	46	5230			6.61	8.92		8.08			Pass
VHT80	MCS0	2	42	5210			2.28	8.92		8.08			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	52	5260	16.73	16.63	21.23	21.13	23.21		29.21		23.98		
11a	6Mbps	2	60	5300	16.73	16.63	21.28	20.93	23.21		29.21		23.98		
11a	6Mbps	2	64	5320	16.73	16.58	21.08	20.93	23.20		29.20		23.98		
HT20	MCS0	2	52	5260	17.73	17.63	21.38	21.28	23.46		29.46		23.98		
HT20	MCS0	2	60	5300	17.73	17.63	21.43	21.33	23.46		29.46		23.98		
HT20	MCS0	2	64	5320	17.73	17.63	21.43	21.18	23.46		29.46		23.98		
HT40	MCS0	2	54	5270	36.46	36.36	41.27	41.54	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.36	36.36	41.45	41.45	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.24	76.12	81.36	80.24	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	14.60	14.60	17.61	23.98		5.16		26.99	Pass
11a	6Mbps	2	60	5300	14.60	14.10	17.37	23.98		5.16		26.99	Pass
11a	6Mbps	2	64	5320	14.80	14.20	17.52	23.98		5.16		26.99	Pass
HT20	MCS0	2	52	5260	14.50	14.50	17.51	23.98		5.16		26.99	Pass
HT20	MCS0	2	60	5300	14.50	14.10	17.31	23.98		5.16		26.99	Pass
HT20	MCS0	2	64	5320	14.70	14.00	17.37	23.98		5.16		26.99	Pass
HT40	MCS0	2	54	5270	15.50	15.70	18.61	23.98		5.16		26.99	Pass
HT40	MCS0	2	62	5310	15.00	14.60	17.81	23.98		5.16		26.99	Pass
VHT20	MCS0	2	52	5260	14.40	14.40	17.41	23.98		5.16		26.99	Pass
VHT20	MCS0	2	60	5300	14.40	14.00	17.21	23.98		5.16		26.99	Pass
VHT20	MCS0	2	64	5320	14.60	13.90	17.27	23.98		5.16		26.99	Pass
VHT40	MCS0	2	54	5270	15.40	15.60	18.51	23.98		5.16		26.99	Pass
VHT40	MCS0	2	62	5310	14.90	14.50	17.71	23.98		5.16		26.99	Pass
VHT80	MCS0	2	58	5290	12.80	12.80	15.81	23.98		5.16		26.99	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260			8.88	9.12		7.88			Pass
11a	6Mbps	2	60	5300			8.64	9.12		7.88			Pass
11a	6Mbps	2	64	5320			8.82	9.12		7.88			Pass
HT20	MCS0	2	52	5260			8.71	9.12		7.88			Pass
HT20	MCS0	2	60	5300			8.63	9.12		7.88			Pass
HT20	MCS0	2	64	5320			8.62	9.12		7.88			Pass
HT40	MCS0	2	54	5270			6.43	9.12		7.88			Pass
HT40	MCS0	2	62	5310			6.42	9.12		7.88			Pass
VHT80	MCS0	2	58	5290			0.55	9.12		7.88			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	100	5500	16.73	16.58	20.98	20.98	23.20		29.20		23.98		----	----
11a	6Mbps	2	116	5580	16.73	16.63	21.13	20.88	23.21		29.21		23.98		----	----
11a	6Mbps	2	140	5700	16.73	16.63	21.13	20.93	23.21		29.21		23.98		----	----
HT20	MCS0	2	100	5500	17.68	17.63	21.33	21.08	23.46		29.46		23.98		----	----
HT20	MCS0	2	116	5580	17.73	17.63	21.28	21.08	23.46		29.46		23.98		----	----
HT20	MCS0	2	140	5700	17.73	17.63	21.33	21.08	23.46		29.46		23.98		----	----
HT40	MCS0	2	102	5510	36.46	36.36	41.72	41.45	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.36	36.36	41.72	41.18	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.36	36.36	41.72	41.36	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.12	76.12	81.68	80.72	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.24	76.24	81.36	80.88	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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	144	5720	13.39	13.34	15.64	15.44	22.25		28.25		22.89		3.142	3.142
HT20	MCS0	2	144	5720	13.89	13.84	15.69	15.64	22.41		28.41		22.94		3.741	3.741
HT40	MCS0	2	142	5710	33.28	33.18	35.86	35.59	23.98		30.00		23.98		3.162	3.162
VHT80	MCS0	2	138	5690	73.12	73.12	75.60	75.44	23.98		30.00		23.98		3.204	3.204

TEST RESULTS DATA
Average Power Table

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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	14.50	14.20	17.36	23.98		5.33		26.99	Pass
11a	6Mbps	2	116	5580	14.40	14.00	17.21	23.98		5.33		26.99	Pass
11a	6Mbps	2	140	5700	12.60	13.00	15.81	23.98		5.33		26.99	Pass
HT20	MCS0	2	100	5500	14.40	14.20	17.31	23.98		5.33		26.99	Pass
HT20	MCS0	2	116	5580	14.40	13.90	17.17	23.98		5.33		26.99	Pass
HT20	MCS0	2	140	5700	11.50	11.90	14.71	23.98		5.33		26.99	Pass
HT40	MCS0	2	102	5510	15.20	15.20	18.21	23.98		5.33		26.99	Pass
HT40	MCS0	2	110	5550	15.40	15.00	18.21	23.98		5.33		26.99	Pass
HT40	MCS0	2	134	5670	15.40	15.10	18.26	23.98		5.33		26.99	Pass
VHT20	MCS0	2	100	5500	14.30	14.10	17.21	23.98		5.33		26.99	Pass
VHT20	MCS0	2	116	5580	14.30	13.80	17.07	23.98		5.33		26.99	Pass
VHT20	MCS0	2	140	5700	11.40	11.80	14.61	23.98		5.33		26.99	Pass
VHT40	MCS0	2	102	5510	15.10	15.10	18.11	23.98		5.33		26.99	Pass
VHT40	MCS0	2	110	5550	15.30	14.90	18.11	23.98		5.33		26.99	Pass
VHT40	MCS0	2	134	5670	15.30	15.00	18.16	23.98		5.33		26.99	Pass
VHT80	MCS0	2	106	5530	10.80	11.30	14.07	23.98		5.33		26.99	Pass
VHT80	MCS0	2	122	5610	14.30	13.70	17.02	23.98		5.33		26.99	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720	14.60	14.20	17.41	22.89		5.33		26.99	Pass
HT20	MCS0	2	144	5720	14.30	14.10	17.21	22.94		5.33		26.99	Pass
HT40	MCS0	2	142	5710	15.30	15.10	18.21	23.98		5.33		26.99	Pass
VHT20	MCS0	2	144	5720	14.20	14.00	17.11	23.98		5.33		26.99	Pass
VHT40	MCS0	2	142	5710	15.20	15.00	18.11	23.98		5.33		26.99	Pass
VHT80	MCS0	2	138	5690	14.00	13.90	16.96	23.98		5.33		26.99	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500			8.72	8.73		8.27			Pass
11a	6Mbps	2	116	5580			8.59	8.73		8.27			Pass
11a	6Mbps	2	140	5700			8.61	8.73		8.27			Pass
HT20	MCS0	2	100	5500			8.63	8.73		8.27			Pass
HT20	MCS0	2	116	5580			8.30	8.73		8.27			Pass
HT20	MCS0	2	140	5700			8.33	8.73		8.27			Pass
HT40	MCS0	2	102	5510			6.28	8.73		8.27			Pass
HT40	MCS0	2	110	5550			6.26	8.73		8.27			Pass
HT40	MCS0	2	134	5670			6.25	8.73		8.27			Pass
VHT80	MCS0	2	106	5530			1.66	8.73		8.27			Pass
VHT80	MCS0	2	122	5610			1.90	8.73		8.27			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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720			8.64	8.73		8.27			Pass
HT20	MCS0	2	144	5720			8.70	8.73		8.27			Pass
HT40	MCS0	2	142	5710			6.33	8.73		8.27			Pass
VHT80	MCS0	2	138	5690			2.09	8.73		8.27			Pass

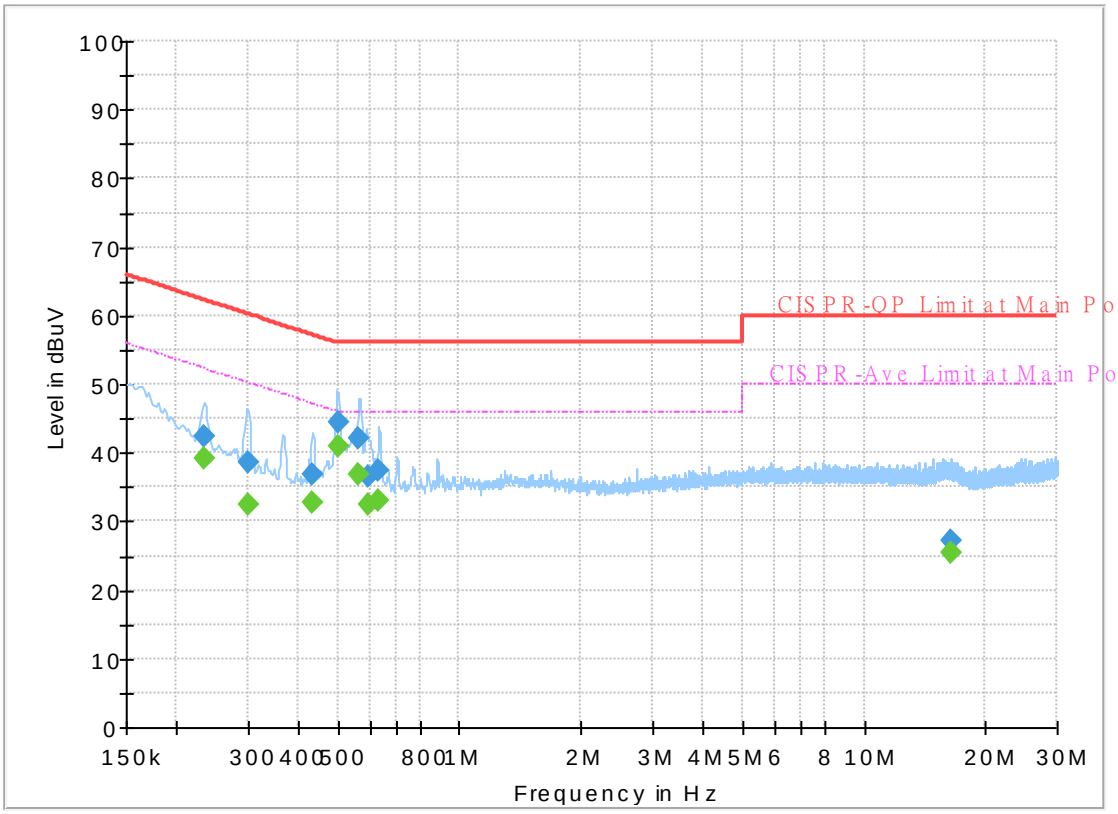
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	24~26℃
		Relative Humidity :	42~50%

EUT Information

Report NO :	040941-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



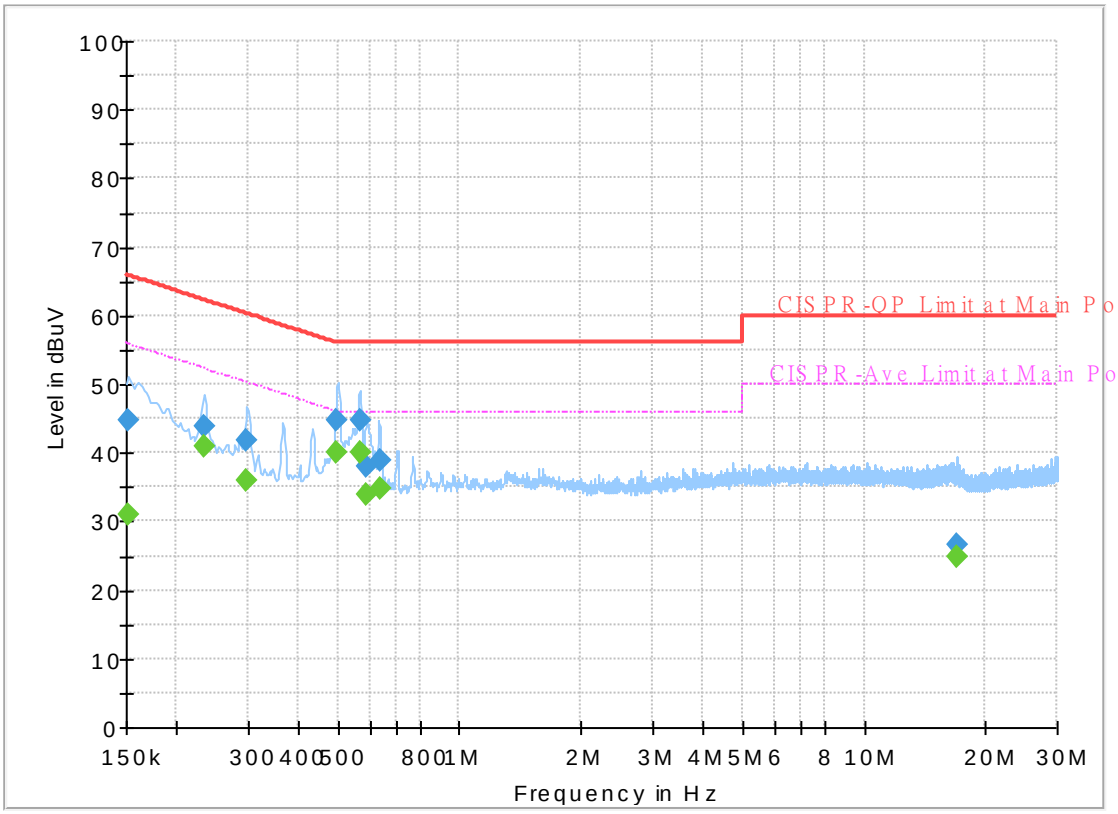
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.233610	---	39.31	52.32	13.01	L1	OFF	19.6
0.233610	42.45	---	62.32	19.87	L1	OFF	19.6
0.300030	---	32.59	50.24	17.65	L1	OFF	19.6
0.300030	38.49	---	60.24	21.75	L1	OFF	19.6
0.432510	---	32.80	47.20	14.40	L1	OFF	19.6
0.432510	36.90	---	57.20	20.30	L1	OFF	19.6
0.501090	---	40.96	46.00	5.04	L1	OFF	19.6
0.501090	44.32	---	56.00	11.68	L1	OFF	19.6
0.564000	---	36.78	46.00	9.22	L1	OFF	19.6
0.564000	42.01	---	56.00	13.99	L1	OFF	19.6
0.593070	---	32.60	46.00	13.40	L1	OFF	19.6
0.593070	36.66	---	56.00	19.34	L1	OFF	19.6
0.631320	---	33.01	46.00	12.99	L1	OFF	19.6
0.631320	37.36	---	56.00	18.64	L1	OFF	19.6
16.401750	---	25.30	50.00	24.70	L1	OFF	20.3
16.401750	27.09	---	60.00	32.91	L1	OFF	20.3

EUT Information

Report NO :	040941-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152025	---	31.10	55.89	24.79	N	OFF	19.5
0.152025	44.86	---	65.89	21.03	N	OFF	19.5
0.232980	---	40.80	52.34	11.54	N	OFF	19.5
0.232980	43.79	---	62.34	18.55	N	OFF	19.5
0.297780	---	35.96	50.31	14.35	N	OFF	19.5
0.297780	41.72	---	60.31	18.59	N	OFF	19.5
0.496500	---	40.10	46.06	5.96	N	OFF	19.5
0.496500	44.69	---	56.06	11.37	N	OFF	19.5
0.566970	---	40.03	46.00	5.97	N	OFF	19.5
0.566970	44.64	---	56.00	11.36	N	OFF	19.5
0.587760	---	33.89	46.00	12.11	N	OFF	19.5
0.587760	38.08	---	56.00	17.92	N	OFF	19.5
0.636000	---	34.92	46.00	11.08	N	OFF	19.5
0.636000	38.77	---	56.00	17.23	N	OFF	19.5
17.033010	---	24.74	50.00	25.26	N	OFF	19.9
17.033010	26.67	---	60.00	33.33	N	OFF	19.9

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.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.46	63	-11	74	46.9	31.9	13.05	28.85	100	295	P	H
		5148.98	46.79	-7.21	54	30.69	31.9	13.05	28.85	100	295	A	H
	*	5180	110.68	-	-	94.8	31.66	13.09	28.87	100	295	P	H
	*	5180	103.24	-	-	87.36	31.66	13.09	28.87	100	295	A	H
		5148.98	62.2	-11.8	74	46.1	31.9	13.05	28.85	242	37	P	V
		5148.72	49.73	-4.27	54	33.63	31.9	13.05	28.85	242	37	A	V
	*	5180	116.5	-	-	100.62	31.66	13.09	28.87	242	37	P	V
	*	5180	109.01	-	-	93.13	31.66	13.09	28.87	242	37	A	V
802.11a CH 44 5220MHz		5018.72	55.52	-18.48	74	39.89	31.51	12.88	28.76	100	295	P	H
		5149.5	43.96	-10.04	54	27.86	31.9	13.05	28.85	100	295	A	H
	*	5220	109.59	-	-	93.92	31.42	13.15	28.9	100	295	P	H
	*	5220	102.16	-	-	86.49	31.42	13.15	28.9	100	295	A	H
		5355.84	54.33	-19.67	74	38.61	31.31	13.39	28.98	100	295	P	H
		5350.52	42.47	-11.53	54	26.77	31.3	13.38	28.98	100	295	A	H
		5112.06	56.29	-17.71	74	40.21	31.9	13	28.82	233	38	P	V
		5149.24	45.52	-8.48	54	29.42	31.9	13.05	28.85	233	38	A	V
	*	5220	116.32	-	-	100.65	31.42	13.15	28.9	233	38	P	V
	*	5220	108.47	-	-	92.8	31.42	13.15	28.9	233	38	A	V
		5410.72	55.25	-18.75	74	39.35	31.44	13.48	29.02	233	38	P	V
		5350	43.94	-10.06	54	28.24	31.3	13.38	28.98	233	38	A	V

802.11a CH 48 5240MHz		5097.76	55.12	-18.88	74	39.06	31.89	12.98	28.81	110	308	P	H
		5149.76	43.45	-10.55	54	27.35	31.9	13.05	28.85	110	308	A	H
	*	5240	109.24	-	-	93.63	31.34	13.18	28.91	110	308	P	H
	*	5240	101.56	-	-	85.95	31.34	13.18	28.91	110	308	A	H
		5360.04	55.21	-18.79	74	39.48	31.32	13.4	28.99	110	308	P	H
		5352.2	42.64	-11.36	54	26.94	31.3	13.38	28.98	110	308	A	H
		5143.78	55.56	-18.44	74	39.46	31.9	13.04	28.84	220	42	P	V
		5149.76	45.05	-8.95	54	28.95	31.9	13.05	28.85	220	42	A	V
	*	5240	116.73	-	-	101.12	31.34	13.18	28.91	220	42	P	V
	*	5240	109.04	-	-	93.43	31.34	13.18	28.91	220	42	A	V
		5352.48	55.16	-18.84	74	39.46	31.3	13.38	28.98	220	42	P	V
		5351.92	44.46	-9.54	54	28.76	31.3	13.38	28.98	220	42	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	49.02	-19.18	68.2	51.65	39.38	19.39	61.4	100	0	P	H
		15540	48.09	-25.91	74	47.3	38.28	23.22	60.71	100	0	P	H
		18000	59.07	-14.93	74	43.52	46.8	25.45	56.7	100	0	P	H
		18000	47.18	-6.82	54	31.63	46.8	25.45	56.7	100	0	A	H
		10360	49.3	-18.9	68.2	51.93	39.38	19.39	61.4	100	0	P	V
		15540	46.53	-27.47	74	45.74	38.28	23.22	60.71	100	0	P	V
		18000	58.81	-15.19	74	43.26	46.8	25.45	56.7	100	0	P	V
		18000	46.94	-7.06	54	31.39	46.8	25.45	56.7	100	0	A	V
802.11a CH 44 5220MHz		10440	48.42	-19.78	68.2	50.93	39.58	19.43	61.52	100	0	P	H
		15660	45.9	-28.1	74	45.45	37.86	23.32	60.73	100	0	P	H
		18000	59.43	-14.57	74	43.88	46.8	25.45	56.7	100	0	P	H
		18000	47.21	-6.79	54	31.66	46.8	25.45	56.7	100	0	A	H
		10440	47.8	-20.4	68.2	50.31	39.58	19.43	61.52	100	0	P	V
		15660	45.49	-28.51	74	45.04	37.86	23.32	60.73	100	0	P	V
		17983	58.16	-15.84	74	42.98	46.51	25.44	56.77	100	0	P	V
		17983	46.68	-7.32	54	31.5	46.51	25.44	56.77	100	0	A	V
802.11a CH 48 5240MHz		10480	49.44	-18.76	68.2	51.9	39.66	19.45	61.57	100	0	P	H
		15720	46.17	-27.83	74	45.68	37.88	23.35	60.74	100	0	P	H
		18000	59.16	-14.84	74	43.61	46.8	25.45	56.7	100	0	P	H
		18000	47.38	-6.62	54	31.83	46.8	25.45	56.7	100	0	A	H
		10480	50.6	-17.6	68.2	53.06	39.66	19.45	61.57	100	0	P	V
		15720	46.16	-27.84	74	45.67	37.88	23.35	60.74	100	0	P	V
		18000	58.67	-15.33	74	43.12	46.8	25.45	56.7	100	0	P	V
		18000	47.17	-6.83	54	31.62	46.8	25.45	56.7	100	0	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	58.82	-15.18	74	42.72	31.9	13.05	28.85	259	245	P	H
		5150	46.21	-7.79	54	30.11	31.9	13.05	28.85	259	245	A	H
802.11n	*	5180	111.92	-	-	96.04	31.66	13.09	28.87	259	245	P	H
HT20	*	5180	104.42	-	-	88.54	31.66	13.09	28.87	259	245	A	H
CH 36		5147.16	62.04	-11.96	74	45.95	31.9	13.04	28.85	243	9	P	V
5180MHz		5146.9	49.59	-4.41	54	33.5	31.9	13.04	28.85	243	9	A	V
	*	5180	116.61	-	-	100.73	31.66	13.09	28.87	243	9	P	V
	*	5180	108.59	-	-	92.71	31.66	13.09	28.87	243	9	A	V
		5108.16	55.74	-18.26	74	39.66	31.9	13	28.82	273	252	P	H
		5147.94	44.14	-9.86	54	28.05	31.9	13.04	28.85	273	252	A	H
	*	5220	112.56	-	-	96.89	31.42	13.15	28.9	273	252	P	H
	*	5220	104.78	-	-	89.11	31.42	13.15	28.9	273	252	A	H
802.11n		5394.48	54.29	-19.71	74	38.45	31.39	13.46	29.01	273	252	P	H
HT20		5350	42.68	-11.32	54	26.98	31.3	13.38	28.98	273	252	A	H
CH 44		5149.76	56.08	-17.92	74	39.98	31.9	13.05	28.85	201	45	P	V
5220MHz		5149.5	45.63	-8.37	54	29.53	31.9	13.05	28.85	201	45	A	V
	*	5220	115.93	-	-	100.26	31.42	13.15	28.9	201	45	P	V
	*	5220	108.51	-	-	92.84	31.42	13.15	28.9	201	45	A	V
		5457.2	55.19	-18.81	74	39.09	31.63	13.52	29.05	201	45	P	V
		5350	44.14	-9.86	54	28.44	31.3	13.38	28.98	201	45	A	V

		5105.3	55.21	-18.79	74	39.14	31.9	12.99	28.82	270	250	P	H
		5149.24	43.95	-10.05	54	27.85	31.9	13.05	28.85	270	250	A	H
	*	5240	112.03	-	-	96.42	31.34	13.18	28.91	270	250	P	H
	*	5240	104.28	-	-	88.67	31.34	13.18	28.91	270	250	A	H
802.11n		5404.28	53.95	-20.05	74	38.08	31.42	13.47	29.02	270	250	P	H
HT20		5350.8	43.03	-10.97	54	27.33	31.3	13.38	28.98	270	250	A	H
CH 48		5145.6	55.75	-18.25	74	39.66	31.9	13.04	28.85	192	45	P	V
5240MHz		5148.98	45.02	-8.98	54	28.92	31.9	13.05	28.85	192	45	A	V
	*	5240	116.87	-	-	101.26	31.34	13.18	28.91	192	45	P	V
	*	5240	108.85	-	-	93.24	31.34	13.18	28.91	192	45	A	V
		5363.12	55.64	-18.36	74	39.9	31.33	13.4	28.99	192	45	P	V
		5351.08	44.78	-9.22	54	29.08	31.3	13.38	28.98	192	45	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	49.31	-18.89	68.2	51.94	39.38	19.39	61.4	100	0	P	H
		15540	48.29	-25.71	74	47.5	38.28	23.22	60.71	100	0	P	H
		18000	58.84	-15.16	74	43.29	46.8	25.45	56.7	100	0	P	H
		18000	46.99	-7.01	54	31.44	46.8	25.45	56.7	100	0	A	H
		10360	48.25	-19.95	68.2	50.88	39.38	19.39	61.4	100	0	P	V
		15540	46.19	-27.81	74	45.4	38.28	23.22	60.71	100	0	P	V
		18000	58.96	-15.04	74	43.41	46.8	25.45	56.7	100	0	P	V
		18000	47.07	-6.93	54	31.52	46.8	25.45	56.7	100	0	A	V
802.11n HT20 CH 44 5220MHz		10440	49.92	-18.28	68.2	52.43	39.58	19.43	61.52	100	0	P	H
		15660	45.77	-28.23	74	45.32	37.86	23.32	60.73	100	0	P	H
		17966	57.78	-16.22	74	42.96	46.22	25.44	56.84	100	0	P	H
		17966	46.17	-7.83	54	31.35	46.22	25.44	56.84	100	0	A	H
		10440	48.9	-19.3	68.2	51.41	39.58	19.43	61.52	100	0	P	V
		15660	45.55	-28.45	74	45.1	37.86	23.32	60.73	100	0	P	V
		18000	58.88	-15.12	74	43.33	46.8	25.45	56.7	100	0	P	V
		18000	46.94	-7.06	54	31.39	46.8	25.45	56.7	100	0	A	V
802.11n HT20 CH 48 5240MHz		10480	48.47	-19.73	68.2	50.93	39.66	19.45	61.57	100	0	P	H
		15720	45.77	-28.23	74	45.28	37.88	23.35	60.74	100	0	P	H
		17949	58.15	-15.85	74	43.69	45.93	25.43	56.9	100	0	P	H
		17949	46.12	-7.88	54	31.66	45.93	25.43	56.9	100	0	A	H
		10480	49.47	-18.73	68.2	51.93	39.66	19.45	61.57	100	0	P	V
		15720	46.06	-27.94	74	45.57	37.88	23.35	60.74	100	0	P	V
		18000	59.26	-14.74	74	43.71	46.8	25.45	56.7	100	0	P	V
		18000	47.11	-6.89	54	31.56	46.8	25.45	56.7	100	0	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.42	57.46	-16.54	74	41.37	31.9	13.04	28.85	263	252	P	H
		5150	46.54	-7.46	54	30.44	31.9	13.05	28.85	263	252	A	H
	*	5190	108.01	-	-	92.21	31.58	13.1	28.88	263	252	P	H
	*	5190	100.29	-	-	84.49	31.58	13.1	28.88	263	252	A	H
802.11n		5369.56	53.63	-20.37	74	37.86	31.34	13.42	28.99	263	252	P	H
HT40		5436.2	41.89	-12.11	54	25.89	31.54	13.5	29.04	263	252	A	H
CH 38		5149.76	60.45	-13.55	74	44.35	31.9	13.05	28.85	252	32	P	V
5190MHz		5150	49.76	-4.24	54	33.66	31.9	13.05	28.85	252	32	A	V
	*	5190	112.13	-	-	96.33	31.58	13.1	28.88	252	32	P	V
	*	5190	104.59	-	-	88.79	31.58	13.1	28.88	252	32	A	V
		5362.56	55.82	-18.18	74	40.08	31.33	13.4	28.99	252	32	P	V
		5350	43.43	-10.57	54	27.73	31.3	13.38	28.98	252	32	A	V
		5098.54	55.47	-18.53	74	39.42	31.89	12.98	28.82	257	249	P	H
		5146.38	43.85	-10.15	54	27.76	31.9	13.04	28.85	257	249	A	H
	*	5230	107.87	-	-	92.23	31.38	13.16	28.9	257	249	P	H
	*	5230	100.2	-	-	84.56	31.38	13.16	28.9	257	249	A	H
802.11n		5405.12	54.47	-19.53	74	38.6	31.42	13.47	29.02	257	249	P	H
HT40		5350.52	42.59	-11.41	54	26.89	31.3	13.38	28.98	257	249	A	H
CH 46		5108.42	56.75	-17.25	74	40.67	31.9	13	28.82	262	32	P	V
5230MHz		5146.9	45.06	-8.94	54	28.97	31.9	13.04	28.85	262	32	A	V
	*	5230	112.32	-	-	96.68	31.38	13.16	28.9	262	32	P	V
	*	5230	104.53	-	-	88.89	31.38	13.16	28.9	262	32	A	V
		5457.48	54.41	-19.59	74	38.31	31.63	13.52	29.05	262	32	P	V
		5350.52	43.87	-10.13	54	28.17	31.3	13.38	28.98	262	32	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	48.07	-20.13	68.2	50.66	39.44	19.4	61.43	100	0	P	H
		15570	47	-27	74	46.42	38.04	23.25	60.71	100	0	P	H
		18000	58.77	-15.23	74	43.22	46.8	25.45	56.7	100	0	P	H
		18000	46.74	-7.26	54	31.19	46.8	25.45	56.7	100	0	A	H
		10380	48.03	-20.17	68.2	50.62	39.44	19.4	61.43	100	0	P	V
		15570	45.93	-28.07	74	45.35	38.04	23.25	60.71	100	0	P	V
		18000	59.13	-14.87	74	43.58	46.8	25.45	56.7	100	0	P	V
		18000	47.34	-6.66	54	31.79	46.8	25.45	56.7	100	0	A	V
802.11n HT40 CH 46 5230MHz		10460	48.21	-19.99	68.2	50.69	39.62	19.44	61.54	100	0	P	H
		15690	45.72	-28.28	74	45.23	37.89	23.34	60.74	100	0	P	H
		17966	58.36	-15.64	74	43.54	46.22	25.44	56.84	100	0	P	H
		17966	46.63	-7.37	54	31.81	46.22	25.44	56.84	100	0	A	H
		10460	47.81	-20.39	68.2	50.29	39.62	19.44	61.54	100	0	P	V
		15690	46.12	-27.88	74	45.63	37.89	23.34	60.74	100	0	P	V
		17966	58.64	-15.36	74	43.82	46.22	25.44	56.84	100	0	P	V
		17966	46.37	-7.63	54	31.55	46.22	25.44	56.84	100	0	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.72	59.06	-14.94	74	42.96	31.9	13.05	28.85	319	53	P	H
		5141.96	48.84	-5.16	54	32.74	31.9	13.04	28.84	319	53	A	H
	*	5210	104.9	-	-	89.2	31.46	13.13	28.89	319	53	P	H
	*	5210	97.18	-	-	81.48	31.46	13.13	28.89	319	53	A	H
		5414.08	54.14	-19.86	74	38.22	31.46	13.48	29.02	319	53	P	H
		5352.2	42.64	-11.36	54	26.94	31.3	13.38	28.98	319	53	A	H
		5150	60.8	-13.2	74	44.7	31.9	13.05	28.85	200	47	P	V
		5150	52.85	-1.15	54	36.75	31.9	13.05	28.85	200	47	A	V
	*	5210	107.69	-	-	91.99	31.46	13.13	28.89	200	47	P	V
	*	5210	100.16	-	-	84.46	31.46	13.13	28.89	200	47	A	V
		5399.8	54.89	-19.11	74	39.03	31.4	13.47	29.01	200	47	P	V
		5351.64	44.08	-9.92	54	28.38	31.3	13.38	28.98	200	47	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	46.99	-21.21	68.2	49.52	39.54	19.42	61.49	100	0	P	H
		15630	46.26	-27.74	74	45.87	37.83	23.29	60.73	100	0	P	H
		18000	59.22	-14.78	74	43.67	46.8	25.45	56.7	100	0	P	H
		18000	47.17	-6.83	54	31.62	46.8	25.45	56.7	100	0	A	H
		10420	47.23	-20.97	68.2	49.76	39.54	19.42	61.49	100	0	P	V
		15630	45.23	-28.77	74	44.84	37.83	23.29	60.73	100	0	P	V
		18000	59.33	-14.67	74	43.78	46.8	25.45	56.7	100	0	P	V
		18000	47.21	-6.79	54	31.66	46.8	25.45	56.7	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5133.28	54.42	-19.58	74	38.33	31.9	13.03	28.84	266	250	P	H
		5148.92	43.28	-10.72	54	27.18	31.9	13.05	28.85	266	250	A	H
	*	5260	112.37	-	-	96.77	31.3	13.22	28.92	266	250	P	H
	*	5260	104.5	-	-	88.9	31.3	13.22	28.92	266	250	A	H
		5450.4	54.61	-19.39	74	38.55	31.6	13.51	29.05	266	250	P	H
		5350.08	42.63	-11.37	54	26.93	31.3	13.38	28.98	266	250	A	H
		5109.82	54.79	-19.21	74	38.71	31.9	13	28.82	199	97	P	V
		5147.9	44.13	-9.87	54	28.04	31.9	13.04	28.85	199	97	A	V
	*	5260	116.46	-	-	100.86	31.3	13.22	28.92	199	97	P	V
	*	5260	108.62	-	-	93.02	31.3	13.22	28.92	199	97	A	V
		5389.2	55.17	-18.83	74	39.35	31.38	13.45	29.01	199	97	P	V
		5350.08	44.93	-9.07	54	29.23	31.3	13.38	28.98	199	97	A	V
802.11a CH 60 5300MHz		5128.18	54.6	-19.4	74	38.51	31.9	13.02	28.83	251	248	P	H
		5146.88	43.22	-10.78	54	27.13	31.9	13.04	28.85	251	248	A	H
	*	5300	112.63	-	-	96.99	31.3	13.29	28.95	251	248	P	H
	*	5300	104.71	-	-	89.07	31.3	13.29	28.95	251	248	A	H
		5350.08	55.23	-18.77	74	39.53	31.3	13.38	28.98	251	248	P	H
		5350.08	43.47	-10.53	54	27.77	31.3	13.38	28.98	251	248	A	H
		5066.3	54.73	-19.27	74	38.81	31.77	12.94	28.79	209	97	P	V
		5149.94	43.71	-10.29	54	27.61	31.9	13.05	28.85	209	97	A	V
	*	5300	117.91	-	-	102.27	31.3	13.29	28.95	209	97	P	V
	*	5300	109.44	-	-	93.8	31.3	13.29	28.95	209	97	A	V
		5350.32	56.1	-17.9	74	40.4	31.3	13.38	28.98	209	97	P	V
		5351.52	46.43	-7.57	54	30.73	31.3	13.38	28.98	209	97	A	V

802.11a CH 64 5320MHz	*	5320	113.29	-	-	97.62	31.3	13.33	28.96	248	248	P	H
	*	5320	104.62	-	-	88.95	31.3	13.33	28.96	248	248	A	H
		5356.32	55.48	-18.52	74	39.77	31.31	13.39	28.99	248	248	P	H
		5350.08	44.8	-9.2	54	29.1	31.3	13.38	28.98	248	248	A	H
	*	5320	117.3	-	-	101.63	31.3	13.33	28.96	205	96	P	V
	*	5320	109.58	-	-	93.91	31.3	13.33	28.96	205	96	A	V
		5351.04	59.35	-14.65	74	43.65	31.3	13.38	28.98	205	96	P	V
		5352.48	48.65	-5.35	54	32.95	31.3	13.38	28.98	205	96	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.8	-19.4	68.2	51.25	39.66	19.49	61.6	100	0	P	H
		15780	45.07	-28.93	74	44.61	37.82	23.4	60.76	100	0	P	H
		18000	58.94	-15.06	74	43.39	46.8	25.45	56.7	100	0	P	H
		18000	47.01	-6.99	54	31.46	46.8	25.45	56.7	100	0	A	H
		10520	49.41	-18.79	68.2	51.86	39.66	19.49	61.6	100	0	P	V
		15780	45.4	-28.6	74	44.94	37.82	23.4	60.76	100	0	P	V
		18000	59.26	-14.74	74	43.71	46.8	25.45	56.7	100	0	P	V
		18000	47.05	-6.95	54	31.5	46.8	25.45	56.7	100	0	A	V
802.11a CH 60 5300MHz		10600	49.81	-24.19	74	52.38	39.5	19.53	61.6	100	0	P	H
		15900	46.06	-27.94	74	45.75	37.6	23.49	60.78	100	0	P	H
		17967	58.2	-15.8	74	43.35	46.24	25.44	56.83	100	0	P	H
		17967	46.31	-7.69	54	31.46	46.24	25.44	56.83	100	0	A	H
		10600	52.38	-21.62	74	54.95	39.5	19.53	61.6	224	8	P	V
		10600	43.09	-10.91	54	45.66	39.5	19.53	61.6	224	8	A	V
		15900	45.43	-28.57	74	45.12	37.6	23.49	60.78	100	0	P	V
		17989	58.51	-15.49	74	43.19	46.61	25.45	56.74	100	0	P	V
		17989	46.54	-7.46	54	31.22	46.61	25.45	56.74	100	0	A	V
802.11a CH 64 5320MHz		10640	47.66	-26.34	74	50.09	39.62	19.55	61.6	100	0	P	H
		15960	45.21	-28.79	74	44.81	37.66	23.53	60.79	100	0	P	H
		18000	59.03	-14.97	74	43.48	46.8	25.45	56.7	100	0	P	H
		18000	47.14	-6.86	54	31.59	46.8	25.45	56.7	100	0	A	H
		10640	48.75	-25.25	74	51.18	39.62	19.55	61.6	100	0	P	V
		15960	45.12	-28.88	74	44.72	37.66	23.53	60.79	100	0	P	V
		18000	58.91	-15.09	74	43.36	46.8	25.45	56.7	100	0	P	V
		18000	47.1	-6.9	54	31.55	46.8	25.45	56.7	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.24	54.47	-19.53	74	38.37	31.9	13.05	28.85	319	259	P	H
		5147.56	43.44	-10.56	54	27.35	31.9	13.04	28.85	319	259	A	H
	*	5260	112.33	-	-	96.73	31.3	13.22	28.92	319	259	P	H
	*	5260	104.63	-	-	89.03	31.3	13.22	28.92	319	259	A	H
802.11n		5431.44	55.1	-18.9	74	39.1	31.53	13.5	29.03	319	259	P	H
HT20		5364.72	42.68	-11.32	54	26.93	31.33	13.41	28.99	319	259	A	H
CH 52		5140.08	54.79	-19.21	74	38.69	31.9	13.04	28.84	186	46	P	V
5260MHz		5146.88	44.17	-9.83	54	28.08	31.9	13.04	28.85	186	46	A	V
	*	5260	116.41	-	-	100.81	31.3	13.22	28.92	186	46	P	V
	*	5260	108.85	-	-	93.25	31.3	13.22	28.92	186	46	A	V
		5354.64	55.29	-18.71	74	39.57	31.31	13.39	28.98	186	46	P	V
		5350.32	44.89	-9.11	54	29.19	31.3	13.38	28.98	186	46	A	V
		5127.16	55.12	-18.88	74	39.03	31.9	13.02	28.83	250	250	P	H
		5149.6	43.27	-10.73	54	27.17	31.9	13.05	28.85	250	250	A	H
	*	5300	111.97	-	-	96.33	31.3	13.29	28.95	250	250	P	H
	*	5300	104.21	-	-	88.57	31.3	13.29	28.95	250	250	A	H
802.11n		5358.96	54.58	-19.42	74	38.85	31.32	13.4	28.99	250	250	P	H
HT20		5350.08	43.73	-10.27	54	28.03	31.3	13.38	28.98	250	250	A	H
CH 60		5138.72	54.9	-19.1	74	38.81	31.9	13.03	28.84	169	46	P	V
5300MHz		5149.94	43.6	-10.4	54	27.5	31.9	13.05	28.85	169	46	A	V
	*	5300	116.8	-	-	101.16	31.3	13.29	28.95	169	46	P	V
	*	5300	108.69	-	-	93.05	31.3	13.29	28.95	169	46	A	V
		5386.8	56.31	-17.69	74	40.5	31.37	13.45	29.01	169	46	P	V
		5351.52	45.83	-8.17	54	30.13	31.3	13.38	28.98	169	46	A	V

802.11n HT20 CH 64 5320MHz	*	5320	110.08	-	-	94.41	31.3	13.33	28.96	102	298	P	H
	*	5320	102.39	-	-	86.72	31.3	13.33	28.96	102	298	A	H
		5352.96	57.02	-16.98	74	41.3	31.31	13.39	28.98	102	298	P	H
		5351.52	44.66	-9.34	54	28.96	31.3	13.38	28.98	102	298	A	H
	*	5320	116.79	-	-	101.12	31.3	13.33	28.96	242	32	P	V
	*	5320	109.14	-	-	93.47	31.3	13.33	28.96	242	32	A	V
		5350.08	60.02	-13.98	74	44.32	31.3	13.38	28.98	242	32	P	V
		5351.68	48.85	-5.15	54	33.15	31.3	13.38	28.98	242	32	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	48.28	-19.92	68.2	50.73	39.66	19.49	61.6	100	0	P	H
		15780	44.69	-29.31	74	44.23	37.82	23.4	60.76	100	0	P	H
		18000	58.85	-15.15	74	43.3	46.8	25.45	56.7	100	0	P	H
		18000	46.78	-7.22	54	31.23	46.8	25.45	56.7	100	0	A	H
		10520	47.93	-20.27	68.2	50.38	39.66	19.49	61.6	100	0	P	V
		15780	44.66	-29.34	74	44.2	37.82	23.4	60.76	100	0	P	V
		17966	58.49	-15.51	74	43.67	46.22	25.44	56.84	100	0	P	V
		17966	46.19	-7.81	54	31.37	46.22	25.44	56.84	100	0	A	V
802.11n HT20 CH 60 5300MHz		10600	48.56	-25.44	74	51.13	39.5	19.53	61.6	100	0	P	H
		15900	46.17	-27.83	74	45.86	37.6	23.49	60.78	100	0	P	H
		18000	59.1	-14.9	74	43.55	46.8	25.45	56.7	100	0	P	H
		18000	46.91	-7.09	54	31.36	46.8	25.45	56.7	100	0	A	H
		10600	48.88	-25.12	74	51.45	39.5	19.53	61.6	100	0	P	V
		15900	45.63	-28.37	74	45.32	37.6	23.49	60.78	100	0	P	V
		17915	57.41	-16.59	74	43.68	45.35	25.42	57.04	100	0	P	V
		17915	45.34	-8.66	54	31.61	45.35	25.42	57.04	100	0	A	V
802.11n HT20 CH 64 5320MHz		10640	47.84	-26.16	74	50.27	39.62	19.55	61.6	100	0	P	H
		15960	45.71	-28.29	74	45.31	37.66	23.53	60.79	100	0	P	H
		18000	59.07	-14.93	74	43.52	46.8	25.45	56.7	100	0	P	H
		18000	46.96	-7.04	54	31.41	46.8	25.45	56.7	100	0	A	H
		10640	49.23	-24.77	74	51.66	39.62	19.55	61.6	100	0	P	V
		15960	46.22	-27.78	74	45.82	37.66	23.53	60.79	100	0	P	V
		18000	59.26	-14.74	74	43.71	46.8	25.45	56.7	100	0	P	V
		18000	47.17	-6.83	54	31.62	46.8	25.45	56.7	100	0	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5093.5	54.14	-19.86	74	38.1	31.87	12.98	28.81	266	250	P	H
		5147.22	43.46	-10.54	54	27.37	31.9	13.04	28.85	266	250	A	H
	*	5270	108.5	-	-	92.89	31.3	13.24	28.93	266	250	P	H
	*	5270	101.02	-	-	85.41	31.3	13.24	28.93	266	250	A	H
		5394.24	54.47	-19.53	74	38.63	31.39	13.46	29.01	266	250	P	H
		5351.52	43.38	-10.62	54	27.68	31.3	13.38	28.98	266	250	A	H
		5080.92	56.49	-17.51	74	40.51	31.82	12.96	28.8	262	32	P	V
		5148.24	44.21	-9.79	54	28.11	31.9	13.05	28.85	262	32	A	V
	*	5270	113.08	-	-	97.47	31.3	13.24	28.93	262	32	P	V
	*	5270	105.22	-	-	89.61	31.3	13.24	28.93	262	32	A	V
		5351.04	56.46	-17.54	74	40.76	31.3	13.38	28.98	262	32	P	V
		5351.52	45.73	-8.27	54	30.03	31.3	13.38	28.98	262	32	A	V
802.11n HT40 CH 62 5310MHz		5128.18	55.74	-18.26	74	39.65	31.9	13.02	28.83	250	248	P	H
		5146.54	43.27	-10.73	54	27.18	31.9	13.04	28.85	250	248	A	H
	*	5310	107.82	-	-	92.16	31.3	13.31	28.95	250	248	P	H
	*	5310	100.26	-	-	84.6	31.3	13.31	28.95	250	248	A	H
		5350.8	57.46	-16.54	74	41.76	31.3	13.38	28.98	250	248	P	H
		5350.8	47.1	-6.9	54	31.4	31.3	13.38	28.98	250	248	A	H
		5130.56	54.91	-19.09	74	38.83	31.9	13.02	28.84	270	30	P	V
		5145.86	43.65	-10.35	54	27.56	31.9	13.04	28.85	270	30	A	V
	*	5310	113.78	-	-	98.12	31.3	13.31	28.95	270	30	P	V
	*	5310	105.37	-	-	89.71	31.3	13.31	28.95	270	30	A	V
		5351.76	60.87	-13.13	74	45.17	31.3	13.38	28.98	270	30	P	V
		5351.76	51.35	-2.65	54	35.65	31.3	13.38	28.98	270	30	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	46.76	-21.44	68.2	49.24	39.62	19.5	61.6	100	0	P	H
		15810	45.77	-28.23	74	45.33	37.78	23.42	60.76	100	0	P	H
		18000	59.17	-14.83	74	43.62	46.8	25.45	56.7	100	0	P	H
		18000	47.23	-6.77	54	31.68	46.8	25.45	56.7	100	0	A	H
		10540	47.78	-20.42	68.2	50.26	39.62	19.5	61.6	100	0	P	V
		15810	45.58	-28.42	74	45.14	37.78	23.42	60.76	100	0	P	V
		17966	58.59	-15.41	74	43.77	46.22	25.44	56.84	100	0	P	V
		17966	46.42	-7.58	54	31.6	46.22	25.44	56.84	100	0	A	V
802.11n HT40 CH 62 5310MHz		10620	48.1	-25.9	74	50.6	39.56	19.54	61.6	100	0	P	H
		15930	46.39	-27.61	74	46.04	37.63	23.51	60.79	100	0	P	H
		18000	58.86	-15.14	74	43.31	46.8	25.45	56.7	100	0	P	H
		18000	46.8	-7.2	54	31.25	46.8	25.45	56.7	100	0	A	H
		10620	47.28	-26.72	74	49.78	39.56	19.54	61.6	100	0	P	V
		15930	45.94	-28.06	74	45.59	37.63	23.51	60.79	100	0	P	V
		17949	58.27	-15.73	74	43.81	45.93	25.43	56.9	100	0	P	V
		17949	46.1	-7.9	54	31.64	45.93	25.43	56.9	100	0	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5065.96	54.99	-19.01	74	39.08	31.76	12.94	28.79	104	297	P	H
		5146.88	43.25	-10.75	54	27.16	31.9	13.04	28.85	104	297	A	H
	*	5290	101.47	-	-	85.84	31.3	13.27	28.94	104	297	P	H
	*	5290	93.92	-	-	78.29	31.3	13.27	28.94	104	297	A	H
		5357.76	56.19	-17.81	74	40.47	31.32	13.39	28.99	104	297	P	H
		5362.08	47.35	-6.65	54	31.62	31.32	13.4	28.99	104	297	A	H
		5146.88	55.82	-18.18	74	39.73	31.9	13.04	28.85	243	32	P	V
		5146.88	44.19	-9.81	54	28.1	31.9	13.04	28.85	243	32	A	V
	*	5290	108.34	-	-	92.71	31.3	13.27	28.94	243	32	P	V
	*	5290	100.67	-	-	85.04	31.3	13.27	28.94	243	32	A	V
		5362.08	62.45	-11.55	74	46.72	31.32	13.4	28.99	243	32	P	V
		5351.04	52.68	-1.32	54	36.98	31.3	13.38	28.98	243	32	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	49.57	-18.63	68.2	52.11	39.54	19.52	61.6	100	0	P	H
		15870	46	-28	74	45.64	37.66	23.47	60.77	100	0	P	H
		18000	59.04	-14.96	74	43.49	46.8	25.45	56.7	100	0	P	H
		18000	47.03	-6.97	54	31.48	46.8	25.45	56.7	100	0	A	H
		10580	47.42	-20.78	68.2	49.96	39.54	19.52	61.6	100	0	P	V
		15870	45.46	-28.54	74	45.1	37.66	23.47	60.77	100	0	P	V
		17983	58.54	-15.46	74	43.36	46.51	25.44	56.77	100	0	P	V
		17983	46.72	-7.28	54	31.54	46.51	25.44	56.77	100	0	A	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. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5454.48	56.63	-17.37	74	40.54	31.62	13.52	29.05	100	297	P	H
		5468.24	56.03	-12.17	68.2	39.89	31.67	13.53	29.06	100	297	P	H
		5456.56	44.14	-9.86	54	28.04	31.63	13.52	29.05	100	297	A	H
	*	5500	111.83	-	-	95.55	31.8	13.56	29.08	100	297	P	H
	*	5500	103.78	-	-	87.5	31.8	13.56	29.08	100	297	A	H
		5449.04	58.39	-15.61	74	42.33	31.6	13.51	29.05	256	22	P	V
		5470	58.72	-9.48	68.2	42.57	31.68	13.53	29.06	256	22	P	V
		5459.44	47.63	-6.37	54	31.52	31.64	13.52	29.05	256	22	A	V
	*	5500	117.19	-	-	100.91	31.8	13.56	29.08	256	22	P	V
	*	5500	110.76	-	-	94.48	31.8	13.56	29.08	256	22	A	V
802.11a CH 116 5580MHz		5455.36	56.11	-17.89	74	40.02	31.62	13.52	29.05	101	297	P	H
		5468.56	54.6	-13.6	68.2	38.46	31.67	13.53	29.06	101	297	P	H
		5459.68	43.19	-10.81	54	27.08	31.64	13.52	29.05	101	297	A	H
	*	5580	112.46	-	-	96.2	31.7	13.62	29.06	101	297	P	H
	*	5580	104.22	-	-	87.96	31.7	13.62	29.06	101	297	A	H
		5725	54.54	-13.66	68.2	37.87	31.95	13.75	29.03	101	297	P	H
		5435.92	55.7	-18.3	74	39.7	31.54	13.5	29.04	249	18	P	V
		5468.32	55.74	-12.46	68.2	39.6	31.67	13.53	29.06	249	18	P	V
		5459.68	44.89	-9.11	54	28.78	31.64	13.52	29.05	249	18	A	V
	*	5580	117.14	-	-	100.88	31.7	13.62	29.06	249	18	P	V
	*	5580	109.66	-	-	93.4	31.7	13.62	29.06	249	18	A	V
		5729.09	55.36	-12.84	68.2	38.66	31.97	13.76	29.03	249	18	P	V

802.11a CH 140 5700MHz	*	5700	109.65	-	-	93.15	31.8	13.73	29.03	100	298	P	H
	*	5700	102.09	-	-	85.59	31.8	13.73	29.03	100	298	A	H
		5726.68	59.73	-8.47	68.2	43.05	31.96	13.75	29.03	100	298	P	H
	*	5700	116.29	-	-	99.79	31.8	13.73	29.03	251	19	P	V
	*	5700	108.82	-	-	92.32	31.8	13.73	29.03	251	19	A	V
		5727.8	67.25	-0.95	68.2	50.55	31.97	13.76	29.03	251	19	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.22	-25.78	74	49.97	40.1	19.75	61.6	100	0	P	H
		16500	48.58	-19.62	68.2	44.86	39.5	24.32	60.1	100	0	P	H
		18000	59.24	-14.76	74	43.69	46.8	25.45	56.7	100	0	P	H
		18000	47.11	-6.89	54	31.56	46.8	25.45	56.7	100	0	A	H
		11000	48.82	-25.18	74	50.57	40.1	19.75	61.6	100	0	P	V
		16500	48.37	-19.83	68.2	44.65	39.5	24.32	60.1	100	0	P	V
		17932	57.48	-16.52	74	43.38	45.64	25.43	56.97	100	0	P	V
		17932	45.71	-8.29	54	31.61	45.64	25.43	56.97	100	0	A	V
802.11a CH 116 5580MHz		11160	48.31	-25.69	74	50.19	39.72	19.87	61.47	100	0	P	H
		16740	49.4	-18.8	68.2	44.78	40.08	24.69	60.15	100	0	P	H
		17966	58.62	-15.38	74	43.8	46.22	25.44	56.84	100	0	P	H
		17966	46.41	-7.59	54	31.59	46.22	25.44	56.84	100	0	A	H
		11160	48.23	-25.77	74	50.11	39.72	19.87	61.47	100	0	P	V
		16740	49.63	-18.57	68.2	45.01	40.08	24.69	60.15	100	0	P	V
		18000	59.17	-14.83	74	43.62	46.8	25.45	56.7	100	0	P	V
		18000	46.91	-7.09	54	31.36	46.8	25.45	56.7	100	0	A	V
802.11a CH 140 5700MHz		11400	48.34	-25.66	74	49.58	40	20.04	61.28	100	0	P	H
		17100	48.32	-19.88	68.2	43.31	39.8	25.11	59.9	100	0	P	H
		17966	58.37	-15.63	74	43.55	46.22	25.44	56.84	100	0	P	H
		17966	46.51	-7.49	54	31.69	46.22	25.44	56.84	100	0	A	H
		11400	48	-26	74	49.24	40	20.04	61.28	100	0	P	V
		17100	48.85	-19.35	68.2	43.84	39.8	25.11	59.9	100	0	P	V
		18000	59.16	-14.84	74	43.61	46.8	25.45	56.7	100	0	P	V
		18000	47.13	-6.87	54	31.58	46.8	25.45	56.7	100	0	A	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5412.24	56.05	-17.95	74	40.14	31.45	13.48	29.02	100	298	P	H
		5466.64	55.49	-12.71	68.2	39.35	31.67	13.53	29.06	100	298	P	H
		5456.88	44.07	-9.93	54	27.97	31.63	13.52	29.05	100	298	A	H
802.11n	*	5500	110.33	-	-	94.05	31.8	13.56	29.08	100	298	P	H
HT20	*	5500	102.98	-	-	86.7	31.8	13.56	29.08	100	298	A	H
CH 100		5454.8	57.96	-16.04	74	41.87	31.62	13.52	29.05	268	20	P	V
5500MHz		5465.04	58.9	-9.3	68.2	42.77	31.66	13.53	29.06	268	20	P	V
		5460	47.19	-6.81	54	31.08	31.64	13.52	29.05	268	20	A	V
	*	5500	116.75	-	-	100.47	31.8	13.56	29.08	268	20	P	V
	*	5500	109.64	-	-	93.36	31.8	13.56	29.08	268	20	A	V
		5444.56	54.8	-19.2	74	38.75	31.58	13.51	29.04	100	296	P	H
		5462.08	55.01	-13.19	68.2	38.89	31.65	13.52	29.05	100	296	P	H
		5456.56	43.43	-10.57	54	27.33	31.63	13.52	29.05	100	296	A	H
	*	5580	111.04	-	-	94.78	31.7	13.62	29.06	100	296	P	H
802.11n	*	5580	103.78	-	-	87.52	31.7	13.62	29.06	100	296	A	H
HT20		5757.125	55.88	-12.32	68.2	39.02	32.1	13.78	29.02	100	296	P	H
CH 116		5404.96	55.87	-18.13	74	40	31.42	13.47	29.02	240	19	P	V
5580MHz		5462.32	56.71	-11.49	68.2	40.6	31.65	13.52	29.06	240	19	P	V
		5459.92	45.02	-8.98	54	28.91	31.64	13.52	29.05	240	19	A	V
	*	5580	116.12	-	-	99.86	31.7	13.62	29.06	240	19	P	V
	*	5580	108.79	-	-	92.53	31.7	13.62	29.06	240	19	A	V
		5762.795	55.93	-12.27	68.2	39.06	32.1	13.79	29.02	240	19	P	V

802.11n HT20 CH 140 5700MHz	*	5700	108.37	-	-	91.87	31.8	13.73	29.03	100	295	P	H
	*	5700	100.31	-	-	83.81	31.8	13.73	29.03	100	295	A	H
		5725.08	59.27	-8.93	68.2	42.6	31.95	13.75	29.03	100	295	P	H
	*	5700	115.25	-	-	98.75	31.8	13.73	29.03	252	19	P	V
	*	5700	108.29	-	-	91.79	31.8	13.73	29.03	252	19	A	V
		5725.72	67.52	-0.68	68.2	50.85	31.95	13.75	29.03	252	19	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	48.46	-25.54	74	50.21	40.1	19.75	61.6	100	0	P	H
		16500	49.07	-19.13	68.2	45.35	39.5	24.32	60.1	100	0	P	H
		18000	58.88	-15.12	74	43.33	46.8	25.45	56.7	100	0	P	H
		18000	47.06	-6.94	54	31.51	46.8	25.45	56.7	100	0	A	H
		11000	48.97	-25.03	74	50.72	40.1	19.75	61.6	100	0	P	V
		16500	49.58	-18.62	68.2	45.86	39.5	24.32	60.1	100	0	P	V
		18000	59.22	-14.78	74	43.67	46.8	25.45	56.7	100	0	P	V
		18000	47.15	-6.85	54	31.6	46.8	25.45	56.7	100	0	A	V
802.11n HT20 CH 116 5580MHz		11160	47.5	-26.5	74	49.38	39.72	19.87	61.47	100	0	P	H
		16740	50.15	-18.05	68.2	45.53	40.08	24.69	60.15	100	0	P	H
		17983	58.55	-15.45	74	43.37	46.51	25.44	56.77	100	0	P	H
		17983	46.69	-7.31	54	31.51	46.51	25.44	56.77	100	0	A	H
		11160	48.28	-25.72	74	50.16	39.72	19.87	61.47	100	0	P	V
		16740	49.5	-18.7	68.2	44.88	40.08	24.69	60.15	100	0	P	V
		17983	58.9	-15.1	74	43.72	46.51	25.44	56.77	100	0	P	V
		17983	46.81	-7.19	54	31.63	46.51	25.44	56.77	100	0	A	V
802.11n HT20 CH 140 5700MHz		11400	48.38	-25.62	74	49.62	40	20.04	61.28	100	0	P	H
		17100	48.96	-19.24	68.2	43.95	39.8	25.11	59.9	100	0	P	H
		18000	59.1	-14.9	74	43.55	46.8	25.45	56.7	100	0	P	H
		18000	47.17	-6.83	54	31.62	46.8	25.45	56.7	100	0	A	H
		11400	48.02	-25.98	74	49.26	40	20.04	61.28	100	0	P	V
		17100	49.25	-18.95	68.2	44.24	39.8	25.11	59.9	100	0	P	V
		17983	58.8	-15.2	74	43.62	46.51	25.44	56.77	100	0	P	V
		17983	46.71	-7.29	54	31.53	46.51	25.44	56.77	100	0	A	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5409.28	55.79	-18.21	74	39.89	31.44	13.48	29.02	100	300	P	H
		5466.4	58.58	-9.62	68.2	42.44	31.67	13.53	29.06	100	300	P	H
		5456.56	45.24	-8.76	54	29.14	31.63	13.52	29.05	100	300	A	H
	*	5510	107.87	-	-	91.61	31.78	13.56	29.08	100	300	P	H
802.11n	*	5510	99.81	-	-	83.55	31.78	13.56	29.08	100	300	A	H
HT40		5745.155	55	-13.2	68.2	38.18	32.07	13.77	29.02	100	300	P	H
CH 102		5447.2	57.81	-16.19	74	41.76	31.59	13.51	29.05	266	24	P	V
5510MHz		5469.28	59.31	-8.89	68.2	43.16	31.68	13.53	29.06	266	24	P	V
		5456.08	47.76	-6.24	54	31.67	31.62	13.52	29.05	266	24	A	V
	*	5510	112.39	-	-	96.13	31.78	13.56	29.08	266	24	P	V
	*	5510	105.27	-	-	89.01	31.78	13.56	29.08	266	24	A	V
		5756.18	55.05	-13.15	68.2	38.19	32.1	13.78	29.02	266	24	P	V
		5448.88	55.4	-18.6	74	39.34	31.6	13.51	29.05	102	298	P	H
		5468.08	55.49	-12.71	68.2	39.35	31.67	13.53	29.06	102	298	P	H
		5458.48	43.88	-10.12	54	27.78	31.63	13.52	29.05	102	298	A	H
	*	5550	107.3	-	-	91.07	31.7	13.6	29.07	102	298	P	H
802.11n	*	5550	99.9	-	-	83.67	31.7	13.6	29.07	102	298	A	H
HT40		5743.58	55.77	-12.43	68.2	38.96	32.06	13.77	29.02	102	298	P	H
CH 110		5455.84	56.49	-17.51	74	40.4	31.62	13.52	29.05	239	20	P	V
5550MHz		5461.36	57.63	-10.57	68.2	41.51	31.65	13.52	29.05	239	20	P	V
		5457.28	45.77	-8.23	54	29.67	31.63	13.52	29.05	239	20	A	V
	*	5550	112.45	-	-	96.22	31.7	13.6	29.07	239	20	P	V
	*	5550	105.28	-	-	89.05	31.7	13.6	29.07	239	20	A	V
		5745.785	55.1	-13.1	68.2	38.28	32.07	13.77	29.02	239	20	P	V

		5371	54.41	-19.59	74	38.64	31.34	13.42	28.99	102	299	P	H
		5469	53.66	-14.54	68.2	37.51	31.68	13.53	29.06	102	299	P	H
		5457.8	42.9	-11.1	54	26.8	31.63	13.52	29.05	102	299	A	H
	*	5670	105.35	-	-	88.95	31.74	13.7	29.04	102	299	P	H
802.11n	*	5670	98.17	-	-	81.77	31.74	13.7	29.04	102	299	A	H
HT40		5740.15	55.84	-12.36	68.2	39.05	32.04	13.77	29.02	102	299	P	H
CH 134		5414.4	54.07	-19.93	74	38.15	31.46	13.48	29.02	238	18	P	V
5670MHz		5462.35	54.64	-13.56	68.2	38.53	31.65	13.52	29.06	238	18	P	V
		5455.35	43.28	-10.72	54	27.19	31.62	13.52	29.05	238	18	A	V
	*	5670	112.18	-	-	95.78	31.74	13.7	29.04	238	18	P	V
	*	5670	104.69	-	-	88.29	31.74	13.7	29.04	238	18	A	V
		5725.975	63.16	-5.04	68.2	46.48	31.96	13.75	29.03	238	18	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	48.05	-25.95	74	49.81	40.06	19.76	61.58	100	0	P	H
		16530	48.76	-19.44	68.2	45.07	39.44	24.36	60.11	100	0	P	H
		18000	58.91	-15.09	74	43.36	46.8	25.45	56.7	100	0	P	H
		18000	47.06	-6.94	54	31.51	46.8	25.45	56.7	100	0	A	H
		11020	49.19	-24.81	74	50.95	40.06	19.76	61.58	100	0	P	V
		16530	48.21	-19.99	68.2	44.52	39.44	24.36	60.11	100	0	P	V
		18000	59.23	-14.77	74	43.68	46.8	25.45	56.7	100	0	P	V
		18000	47.13	-6.87	54	31.58	46.8	25.45	56.7	100	0	A	V
802.11n HT40 CH 110 5550MHz		11100	48.59	-25.41	74	50.39	39.9	19.82	61.52	100	0	P	H
		16650	48.12	-20.08	68.2	44.06	39.65	24.54	60.13	100	0	P	H
		18000	58.97	-15.03	74	43.42	46.8	25.45	56.7	100	0	P	H
		18000	46.86	-7.14	54	31.31	46.8	25.45	56.7	100	0	A	H
		11100	49.25	-24.75	74	51.05	39.9	19.82	61.52	100	0	P	V
		16650	47.82	-20.38	68.2	43.76	39.65	24.54	60.13	100	0	P	V
		17932	57.78	-16.22	74	43.68	45.64	25.43	56.97	100	0	P	V
		17932	45.64	-8.36	54	31.54	45.64	25.43	56.97	100	0	A	V
802.11n HT40 CH 134 5670MHz		11340	47.26	-26.74	74	48.77	39.82	20	61.33	100	0	P	H
		17010	48.6	-19.6	68.2	43.8	39.89	25.08	60.17	100	0	P	H
		18000	58.93	-15.07	74	43.38	46.8	25.45	56.7	100	0	P	H
		18000	47.2	-6.8	54	31.65	46.8	25.45	56.7	100	0	A	H
		11340	47.92	-26.08	74	49.43	39.82	20	61.33	100	0	P	V
		17010	49.15	-19.05	68.2	44.35	39.89	25.08	60.17	100	0	P	V
		17983	58.74	-15.26	74	43.56	46.51	25.44	56.77	100	0	P	V
		17983	46.68	-7.32	54	31.5	46.51	25.44	56.77	100	0	A	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5436.4	56.47	-17.53	74	40.46	31.55	13.5	29.04	301	44	P	H
		5466.16	57.92	-10.28	68.2	41.79	31.66	13.53	29.06	301	44	P	H
		5455.12	46.65	-7.35	54	30.56	31.62	13.52	29.05	301	44	A	H
	*	5530	102.66	-	-	86.41	31.74	13.58	29.07	301	44	P	H
802.11ac	*	5530	94.77	-	-	78.52	31.74	13.58	29.07	301	44	A	H
VHT80		5734.445	54.48	-13.72	68.2	37.73	32.01	13.76	29.02	301	44	P	H
CH 106		5458.24	63.55	-10.45	74	47.45	31.63	13.52	29.05	254	21	P	V
5530MHz		5469.04	63.74	-4.46	68.2	47.59	31.68	13.53	29.06	254	21	P	V
		5458.72	53.25	-0.75	54	37.15	31.63	13.52	29.05	254	21	A	V
	*	5530	108.57	-	-	92.32	31.74	13.58	29.07	254	21	P	V
	*	5530	101.28	-	-	85.03	31.74	13.58	29.07	254	21	A	V
		5737.28	55.54	-12.66	68.2	38.78	32.02	13.76	29.02	254	21	P	V
		5373.76	54.25	-19.75	74	38.48	31.35	13.42	29	100	299	P	H
		5464.48	54.5	-13.7	68.2	38.38	31.66	13.52	29.06	100	299	P	H
		5457.04	42.74	-11.26	54	26.64	31.63	13.52	29.05	100	299	A	H
	*	5610	102.85	-	-	86.55	31.7	13.65	29.05	100	299	P	H
802.11ac	*	5610	95.19	-	-	78.89	31.7	13.65	29.05	100	299	A	H
VHT80		5741.375	54.99	-13.21	68.2	38.19	32.05	13.77	29.02	100	299	P	H
CH 122		5456.8	55.28	-18.72	74	39.18	31.63	13.52	29.05	207	20	P	V
5610MHz		5466.4	54.92	-13.28	68.2	38.78	31.67	13.53	29.06	207	20	P	V
		5456.32	43.99	-10.01	54	27.89	31.63	13.52	29.05	207	20	A	V
	*	5610	108.41	-	-	92.11	31.7	13.65	29.05	207	20	P	V
	*	5610	100.89	-	-	84.59	31.7	13.65	29.05	207	20	A	V
		5750.195	55.26	-12.94	68.2	38.4	32.1	13.78	29.02	207	20	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	47.3	-26.7	74	49.08	39.98	19.79	61.55	100	0	P	H
		16590	47.1	-21.1	68.2	43.45	39.32	24.45	60.12	100	0	P	H
		18000	59.15	-14.85	74	43.6	46.8	25.45	56.7	100	0	P	H
		18000	47.13	-6.87	54	31.58	46.8	25.45	56.7	100	0	A	H
		11060	46.7	-27.3	74	48.48	39.98	19.79	61.55	100	0	P	V
		16590	47.03	-21.17	68.2	43.38	39.32	24.45	60.12	100	0	P	V
		18000	59.24	-14.76	74	43.69	46.8	25.45	56.7	100	0	P	V
		18000	47.25	-6.75	54	31.7	46.8	25.45	56.7	100	0	A	V
802.11ac VHT80 CH 122 5610MHz		11220	47.26	-26.74	74	49.15	39.62	19.91	61.42	100	0	P	H
		16830	47.94	-20.26	68.2	43.24	40.05	24.82	60.17	100	0	P	H
		17966	58.33	-15.67	74	43.51	46.22	25.44	56.84	100	0	P	H
		17966	46.42	-7.58	54	31.6	46.22	25.44	56.84	100	0	A	H
		11220	47.67	-26.33	74	49.56	39.62	19.91	61.42	100	0	P	V
		16830	47.85	-20.35	68.2	43.15	40.05	24.82	60.17	100	0	P	V
		18000	59.18	-14.82	74	43.63	46.8	25.45	56.7	100	0	P	V
		18000	47.26	-6.74	54	31.71	46.8	25.45	56.7	100	0	A	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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5361.7	56.07	-17.93	74	40.34	31.32	13.4	28.99	101	299	P	H
		5465.83	54.62	-13.58	68.2	38.49	31.66	13.53	29.06	101	299	P	H
		5456.86	42.42	-11.58	54	26.32	31.63	13.52	29.05	101	299	A	H
	*	5720	109.32	-	-	92.68	31.92	13.75	29.03	101	299	P	H
	*	5720	102.15	-	-	85.51	31.92	13.75	29.03	101	299	A	H
		5943	57.92	-10.28	68.2	40.51	32.57	13.81	28.97	101	299	P	H
		5420.98	55.55	-18.45	74	39.61	31.48	13.49	29.03	236	19	P	V
		5467	54.79	-13.41	68.2	38.65	31.67	13.53	29.06	236	19	P	V
		5452.57	42.72	-11.28	54	26.65	31.61	13.51	29.05	236	19	A	V
	*	5720	117.21	-	-	100.57	31.92	13.75	29.03	236	19	P	V
	*	5720	109.87	-	-	93.23	31.92	13.75	29.03	236	19	A	V
		5862.75	58.9	-9.3	68.2	41.75	32.33	13.81	28.99	236	19	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	48.62	-25.38	74	49.8	40	20.07	61.25	100	0	P	H
		17160	48.74	-19.46	68.2	43.59	39.74	25.13	59.72	100	0	P	H
		18000	58.94	-15.06	74	43.39	46.8	25.45	56.7	100	0	P	H
		18000	47.05	-6.95	54	31.5	46.8	25.45	56.7	100	0	A	H
		11440	49.2	-24.8	74	50.38	40	20.07	61.25	100	0	P	V
		17160	49.61	-18.59	68.2	44.46	39.74	25.13	59.72	100	0	P	V
		18000	59.06	-14.94	74	43.51	46.8	25.45	56.7	100	0	P	V
		18000	47.09	-6.91	54	31.54	46.8	25.45	56.7	100	0	A	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5437.75	56.11	-17.89	74	40.1	31.55	13.5	29.04	100	299	P	H
		5465.83	56.73	-11.47	68.2	40.6	31.66	13.53	29.06	100	299	P	H
		5459.59	42.62	-11.38	54	26.51	31.64	13.52	29.05	100	299	A	H
	*	5720	109.34	-	-	92.7	31.92	13.75	29.03	100	299	P	H
	*	5720	102.14	-	-	85.5	31.92	13.75	29.03	100	299	A	H
		5939.75	57.08	-11.12	68.2	39.68	32.56	13.81	28.97	100	299	P	H
		5418.64	56.12	-17.88	74	40.19	31.47	13.49	29.03	261	20	P	V
		5464.27	56.51	-11.69	68.2	40.39	31.66	13.52	29.06	261	20	P	V
		5458.81	43.1	-10.9	54	26.99	31.64	13.52	29.05	261	20	A	V
	*	5720	116.62	-	-	99.98	31.92	13.75	29.03	261	20	P	V
	*	5720	109.53	-	-	92.89	31.92	13.75	29.03	261	20	A	V
		5888	58.13	-10.07	68.2	40.93	32.38	13.81	28.99	261	20	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	48.55	-25.45	74	49.73	40	20.07	61.25	100	0	P	H
		17160	49.2	-19	68.2	44.05	39.74	25.13	59.72	100	0	P	H
		18000	58.84	-15.16	74	43.29	46.8	25.45	56.7	100	0	P	H
		18000	47.01	-6.99	54	31.46	46.8	25.45	56.7	100	0	A	H
		11440	49.05	-24.95	74	50.23	40	20.07	61.25	100	0	P	V
		17160	49.45	-18.75	68.2	44.3	39.74	25.13	59.72	100	0	P	V
		18000	58.98	-15.02	74	43.43	46.8	25.45	56.7	100	0	P	V
		18000	47.19	-6.81	54	31.64	46.8	25.45	56.7	100	0	A	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5390.56	55.71	-18.29	74	39.89	31.38	13.45	29.01	204	65	P	H
		5470	54.8	-13.4	68.2	38.65	31.68	13.53	29.06	204	65	P	H
		5454.91	42.44	-11.56	54	26.35	31.62	13.52	29.05	204	65	A	H
	*	5710	107.37	-	-	90.8	31.86	13.74	29.03	204	65	P	H
	*	5710	99.83	-	-	83.26	31.86	13.74	29.03	204	65	A	H
		5891.75	58.03	-10.17	68.2	40.83	32.38	13.81	28.99	204	65	P	H
		5361.7	56.77	-17.23	74	41.04	31.32	13.4	28.99	239	17	P	V
		5461.15	56.26	-11.94	68.2	40.15	31.64	13.52	29.05	239	17	P	V
		5458.42	42.75	-11.25	54	26.65	31.63	13.52	29.05	239	17	A	V
	*	5710	112.66	-	-	96.09	31.86	13.74	29.03	239	17	P	V
	*	5710	105.18	-	-	88.61	31.86	13.74	29.03	239	17	A	V
		5920.75	58.44	-9.76	68.2	41.13	32.48	13.81	28.98	239	17	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	47.74	-26.26	74	48.94	40	20.06	61.26	100	0	P	H
		17130	47.47	-20.73	68.2	42.39	39.77	25.12	59.81	100	0	P	H
		17966	58.41	-15.59	74	43.59	46.22	25.44	56.84	100	0	P	H
		17966	46.48	-7.52	54	31.66	46.22	25.44	56.84	100	0	A	H
		11420	47.91	-26.09	74	49.11	40	20.06	61.26	100	0	P	V
		17130	47.72	-20.48	68.2	42.64	39.77	25.12	59.81	100	0	P	V
		17983	58.82	-15.18	74	43.64	46.51	25.44	56.77	100	0	P	V
		17983	46.91	-7.09	54	31.73	46.51	25.44	56.77	100	0	A	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5376.91	55.78	-18.22	74	40	31.35	13.43	29	100	299	P	H
		5463.1	55.02	-13.18	68.2	38.91	31.65	13.52	29.06	100	299	P	H
		5459.98	42.42	-11.58	54	26.31	31.64	13.52	29.05	100	299	A	H
	*	5690	101.69	-	-	85.22	31.78	13.72	29.03	100	299	P	H
802.11ac	*	5690	94.51	-	-	78.04	31.78	13.72	29.03	100	299	A	H
VHT80		5884	57.5	-10.7	68.2	40.31	32.37	13.81	28.99	100	299	P	H
CH 138		5435.41	56.4	-17.6	74	40.4	31.54	13.5	29.04	237	20	P	V
5690MHz		5460.76	55.39	-12.81	68.2	39.28	31.64	13.52	29.05	237	20	P	V
		5455.69	42.87	-11.13	54	26.78	31.62	13.52	29.05	237	20	A	V
	*	5690	108.14	-	-	91.67	31.78	13.72	29.03	237	20	P	V
	*	5690	100.46	-	-	83.99	31.78	13.72	29.03	237	20	A	V
		5934.25	57.95	-10.25	68.2	40.58	32.54	13.81	28.98	237	20	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	47.86	-26.14	74	49.19	39.94	20.03	61.3	100	0	P	H
		17070	48.45	-19.75	68.2	43.51	39.83	25.1	59.99	100	0	P	H
		17966	58.47	-15.53	74	43.65	46.22	25.44	56.84	100	0	P	H
		17966	46.29	-7.71	54	31.47	46.22	25.44	56.84	100	0	A	H
		11380	47.1	-26.9	74	48.43	39.94	20.03	61.3	100	0	P	V
		17070	48.81	-19.39	68.2	43.87	39.83	25.1	59.99	100	0	P	V
		18000	58.93	-15.07	74	43.38	46.8	25.45	56.7	100	0	P	V
		18000	47.21	-6.79	54	31.66	46.8	25.45	56.7	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

WIFI 802.11n HT20 (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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 SHF		19826	37.36	-36.64	74	42.32	37.77	11.17	53.9	150	0	P	H
		24820	39.61	-28.59	68.2	39.84	39.91	13.36	53.5	150	0	P	H
		19914	37.08	-36.92	74	41.95	37.78	11.2	53.85	150	0	P	V
		24820	40.94	-27.26	68.2	41.17	39.91	13.36	53.5	150	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

WIFI 802.11n HT20 (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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		135.73	30.3	-13.2	43.5	43.41	17.32	1.85	32.28	100	0	P	H
		159.01	21.42	-22.08	43.5	35.22	16.47	2.02	32.29	-	-	P	H
		180.35	22.18	-21.32	43.5	37.4	14.89	2.2	32.31	-	-	P	H
		251.16	23.29	-22.71	46	34.24	18.71	2.68	32.34	-	-	P	H
		584.84	28.58	-17.42	46	30.43	25.94	4.16	31.95	-	-	P	H
		718.7	31.31	-14.69	46	31.97	26.9	4.63	32.19	-	-	P	H
		37.76	28.55	-11.45	40	39.49	20.55	0.8	32.29	100	0	P	V
		66.86	25.59	-14.41	40	44.93	11.83	1.2	32.37	-	-	P	V
		116.33	25.4	-18.1	43.5	38.75	17.22	1.69	32.26	-	-	P	V
		136.7	23.08	-20.42	43.5	36.12	17.38	1.86	32.28	-	-	P	V
		254.07	23.44	-22.56	46	33.96	19.13	2.69	32.34	-	-	P	V
		572.23	28.41	-17.59	46	30.34	25.95	4.09	31.97	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(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

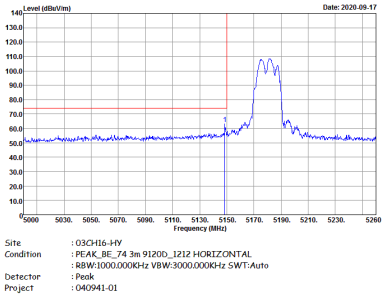
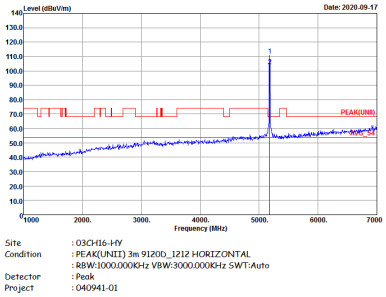
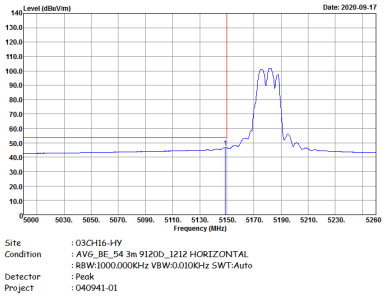
Test Engineer :	Andy Yang, Karl Hou and CR Laio	**Temperature :**	20~25°C
		Relative Humidity :	50~65%

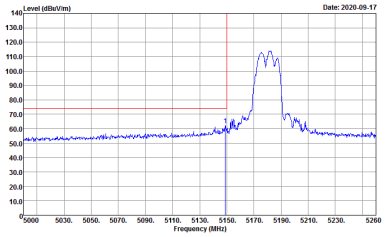
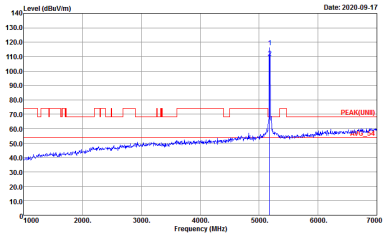
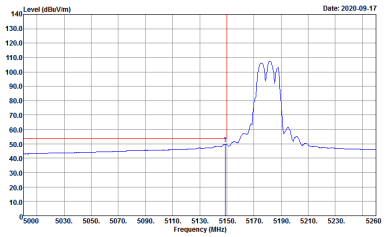
Note symbol

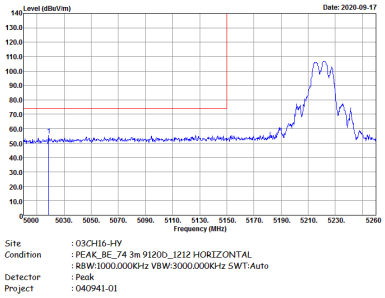
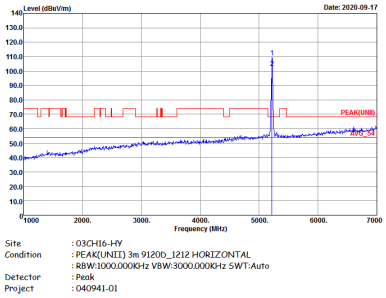
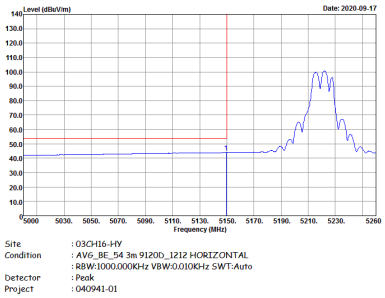
-L	**Low channel location**
-R	**High channel location**

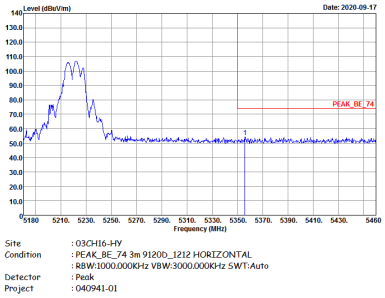
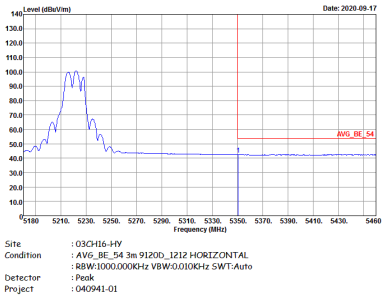
Band 1 - 5150~5250MHz

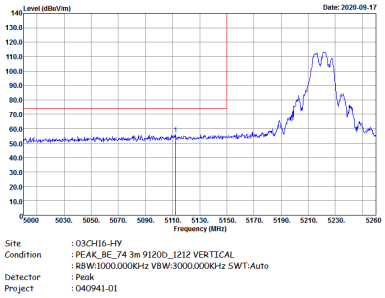
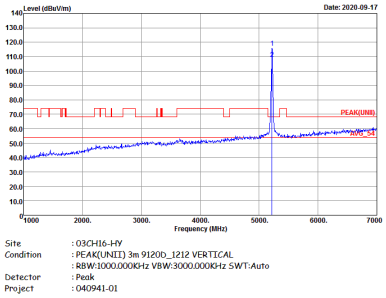
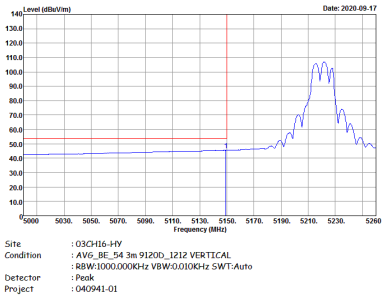
WIFI 802.11a (Band Edge @ 3m)

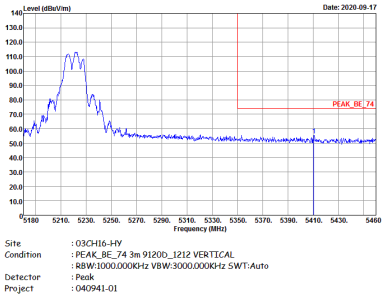
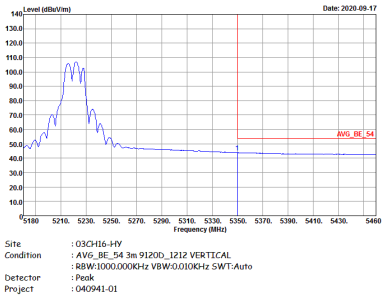
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

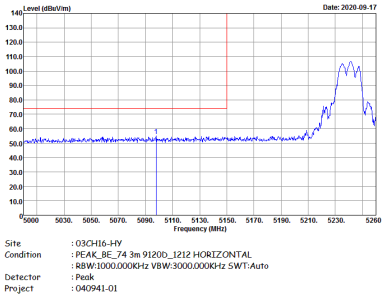
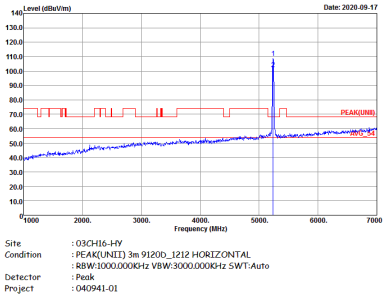
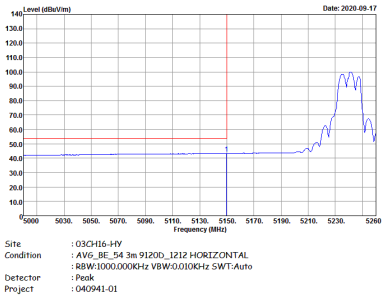
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

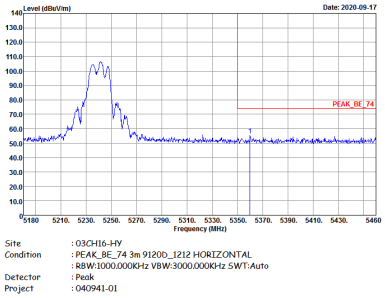
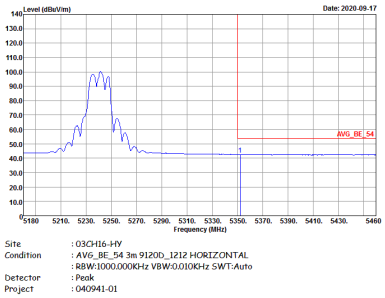
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

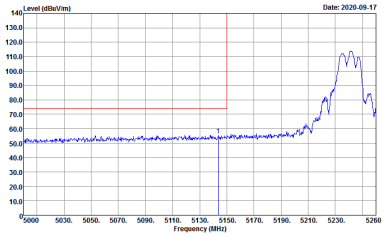
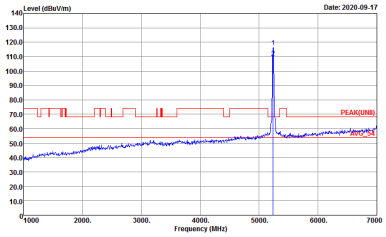
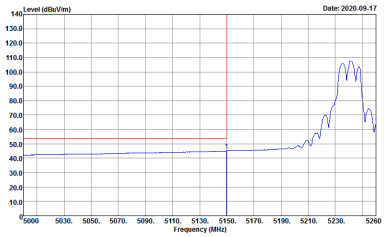
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

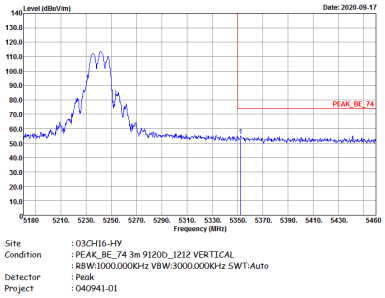
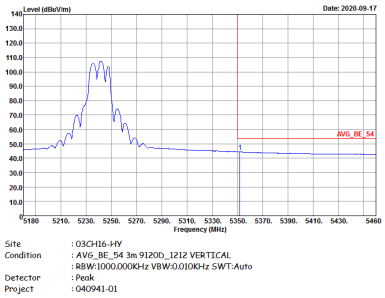
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

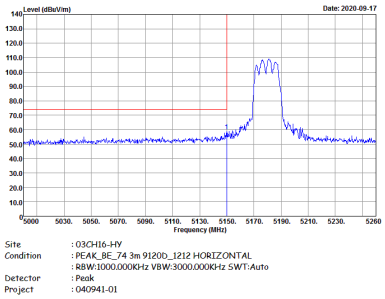
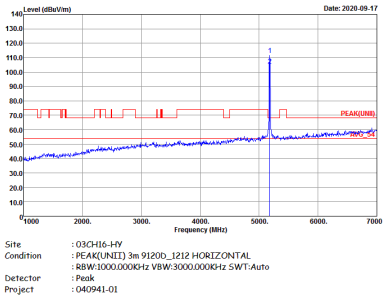
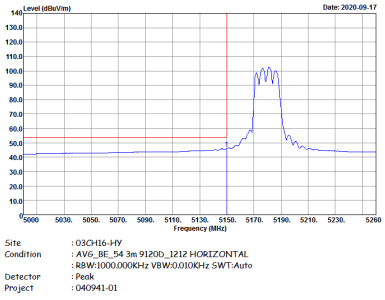
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

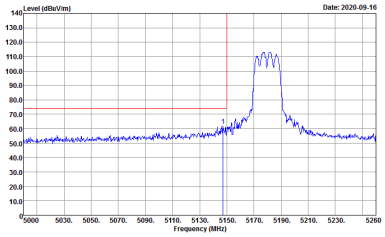
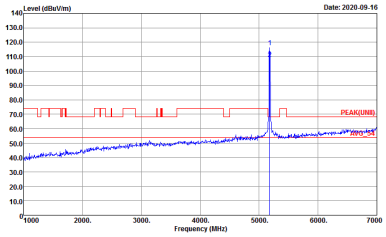
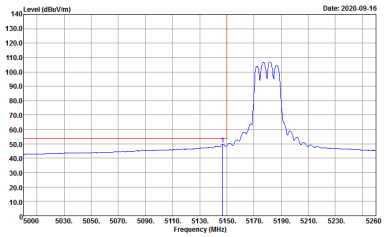
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

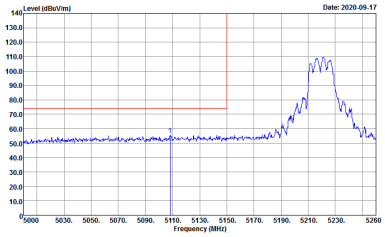
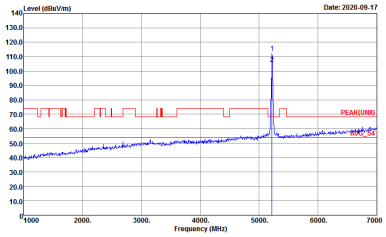
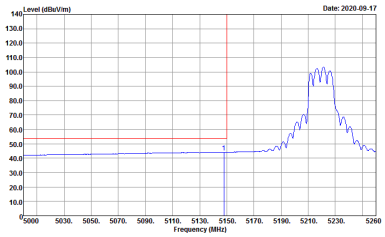
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

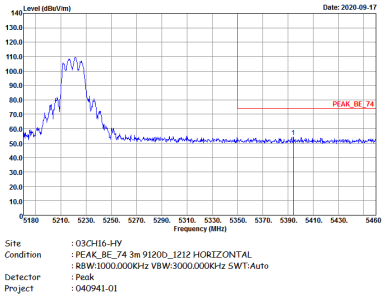
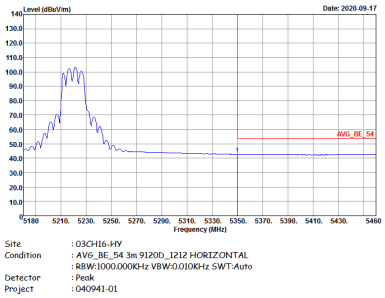
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

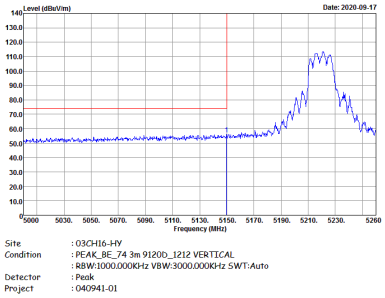
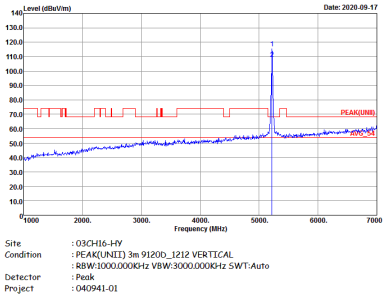
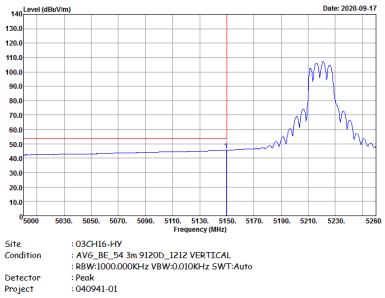
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

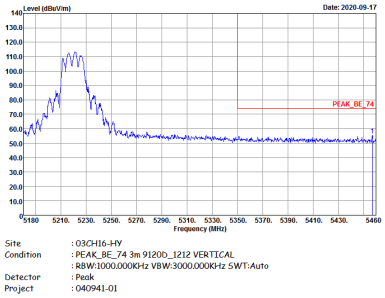
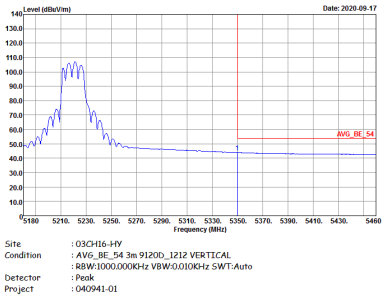
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

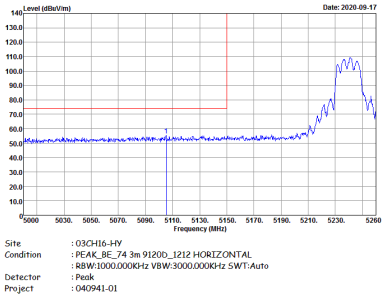
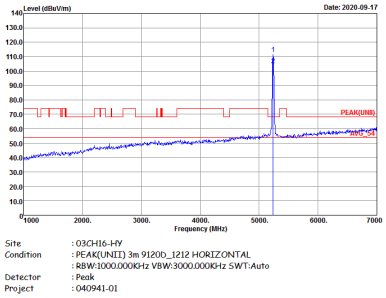
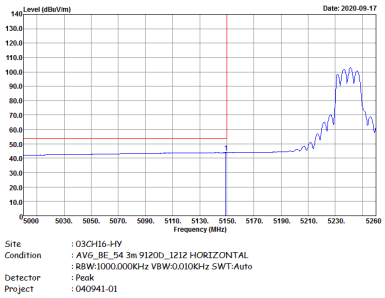
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m HORN_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m HORN_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m HORN_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

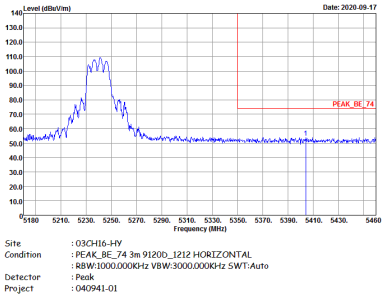
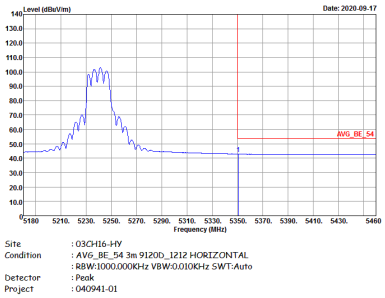
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

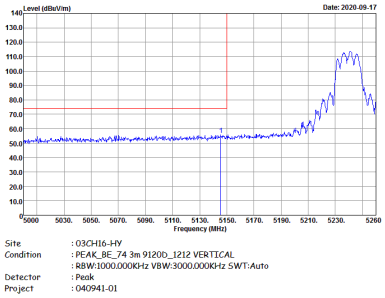
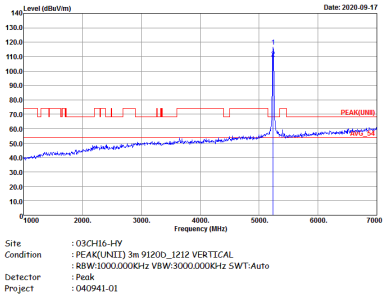
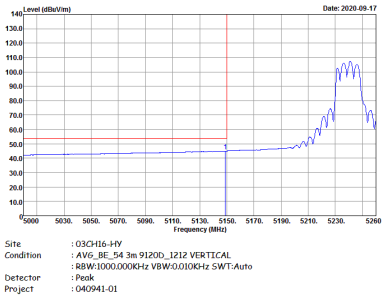
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

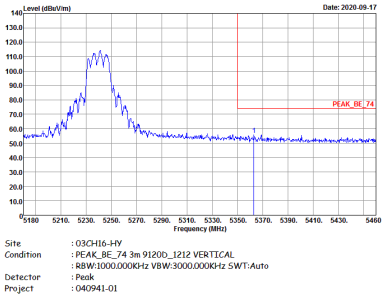
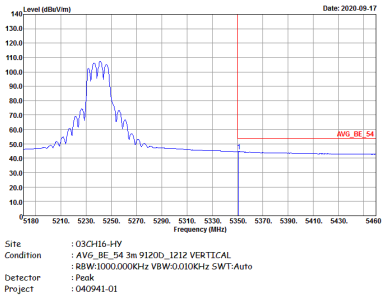
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

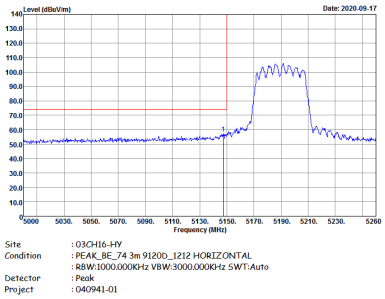
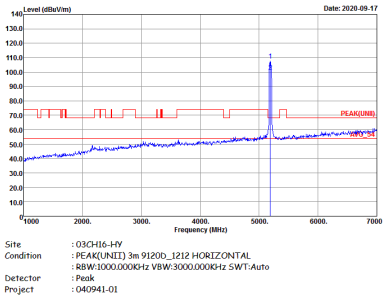
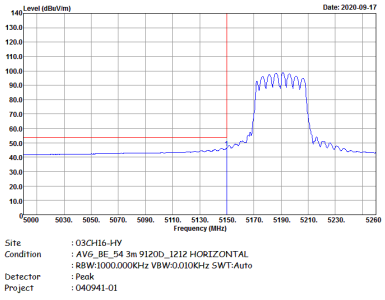
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

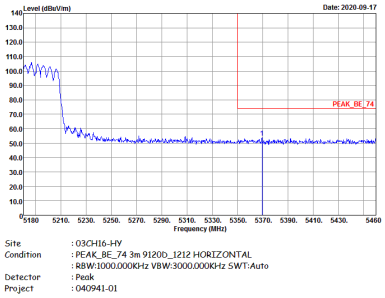
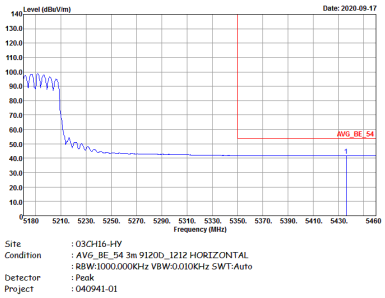
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

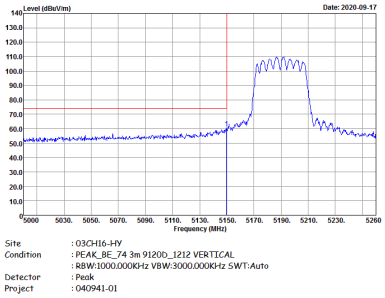
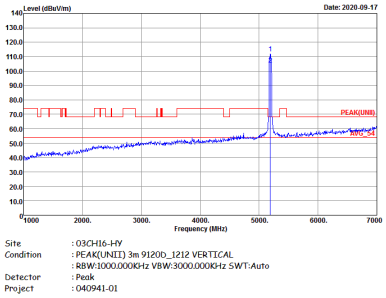
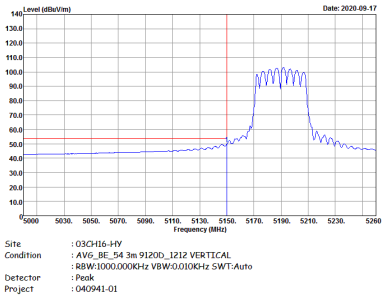
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

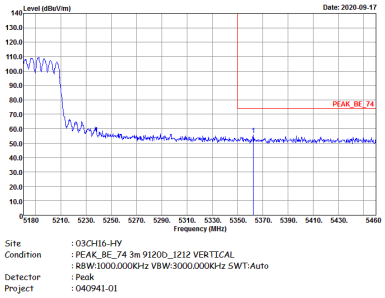
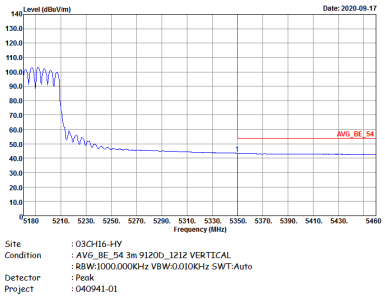
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

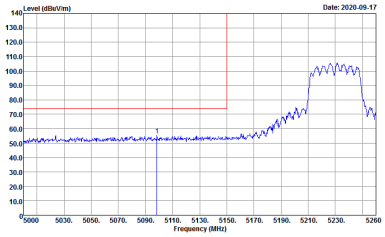
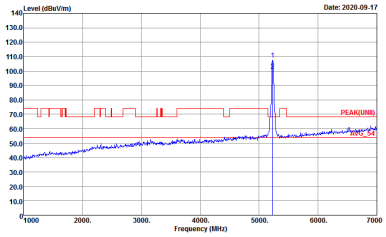
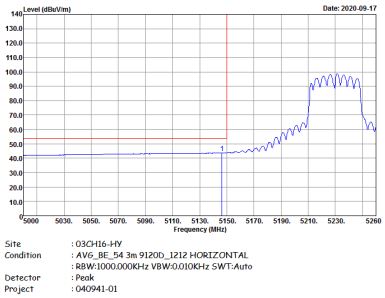
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

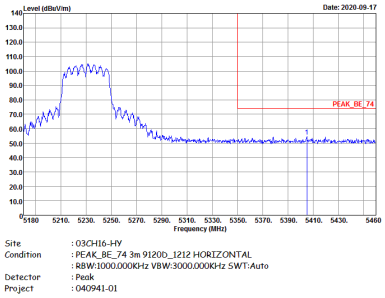
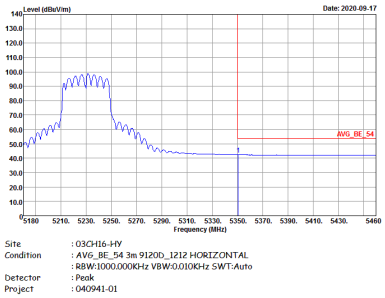
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

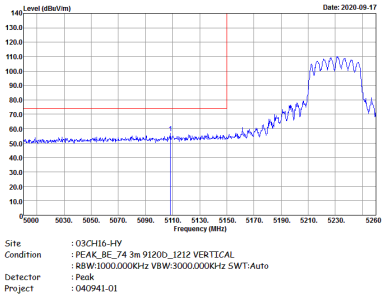
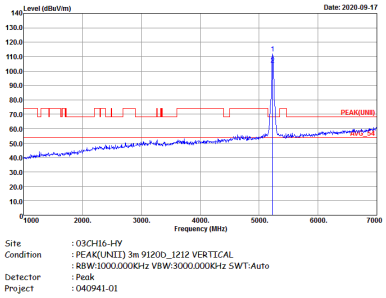
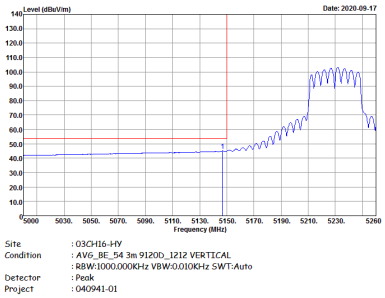
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

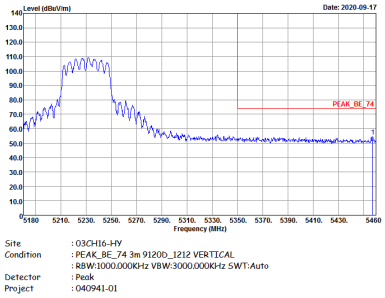
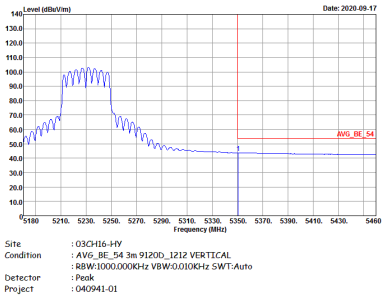
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

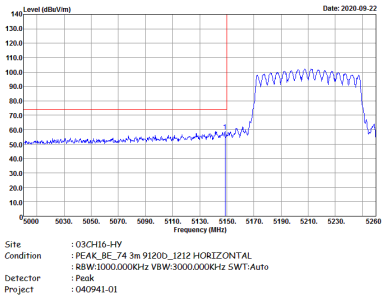
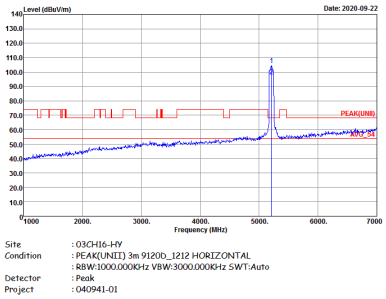
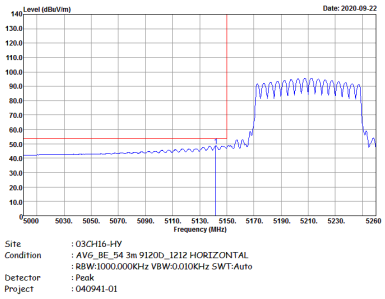
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

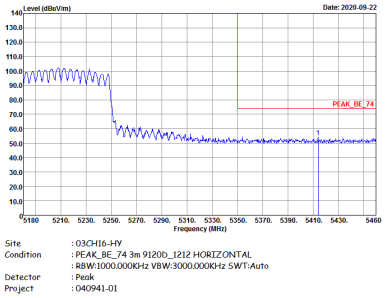
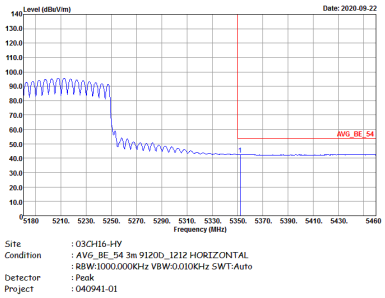
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

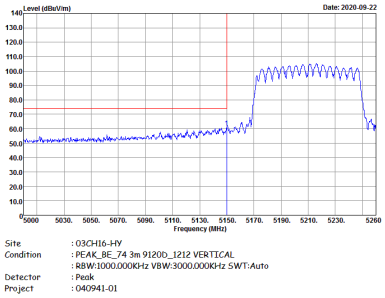
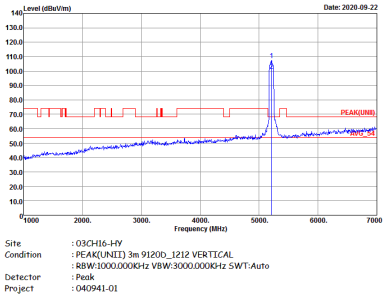
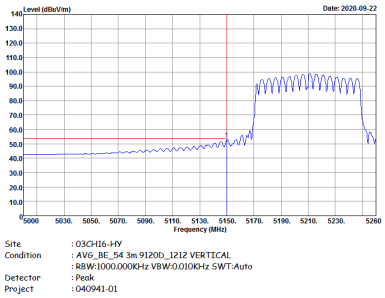
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

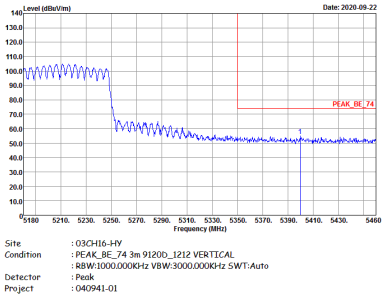
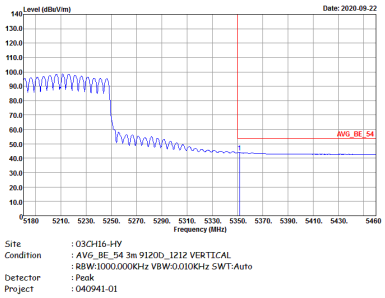
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

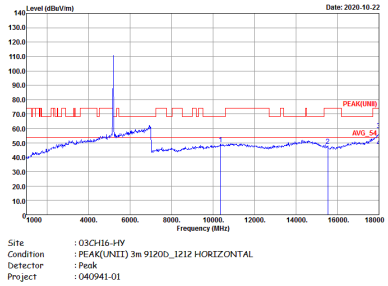
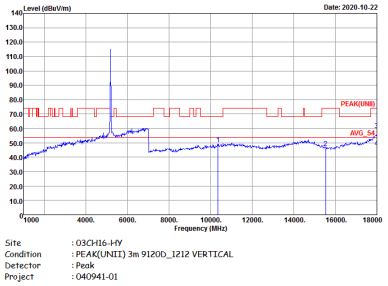
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

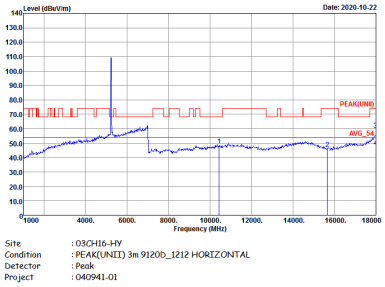
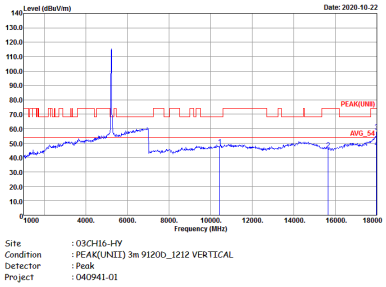
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

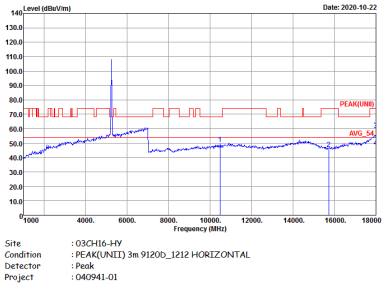
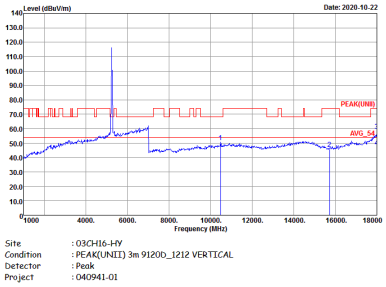
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

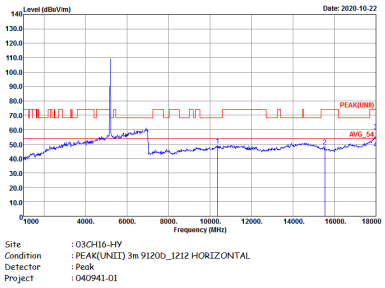
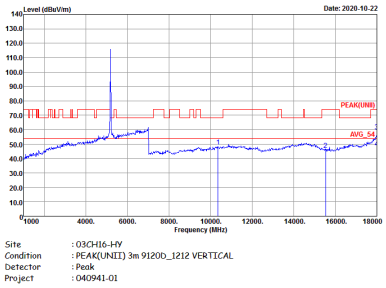
WIFI 802.11a (Harmonic @ 3m)

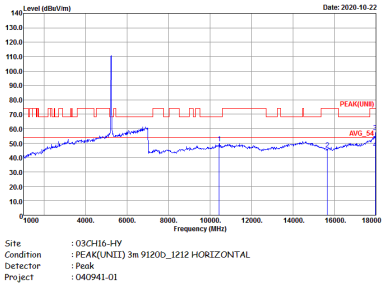
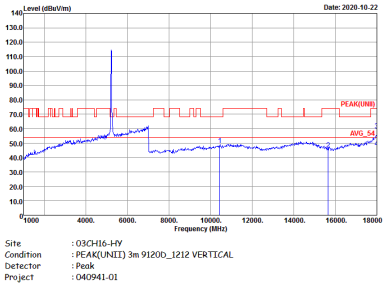
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.		

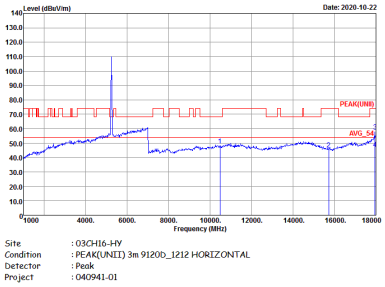
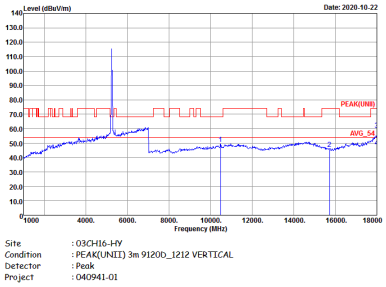
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.		

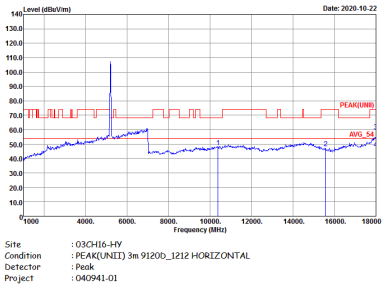
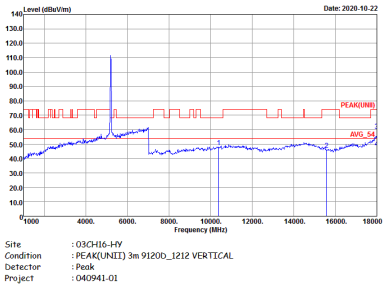
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

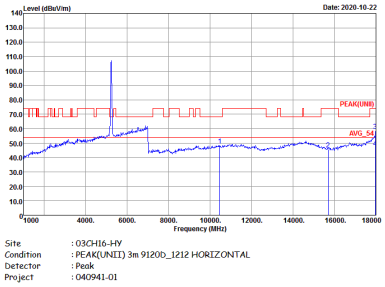
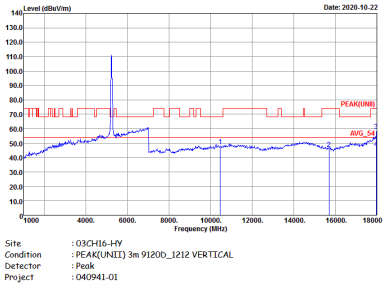
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.		

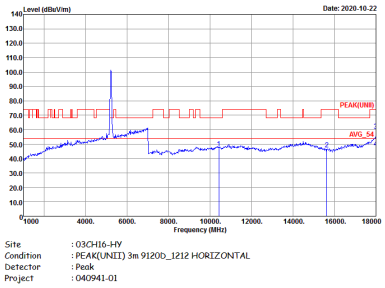
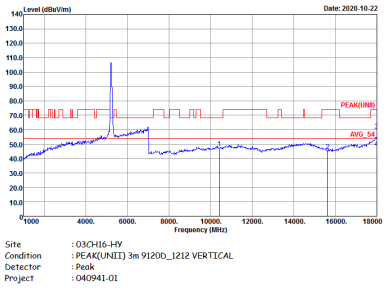
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
0+1	Horizontal	Vertical
Peak Avg.		

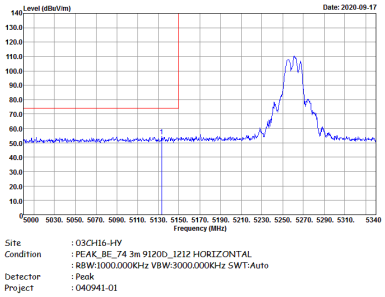
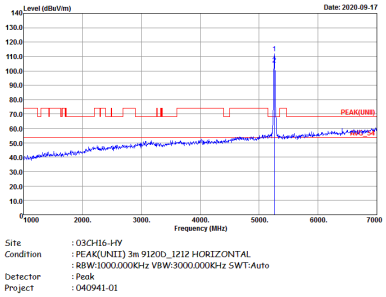
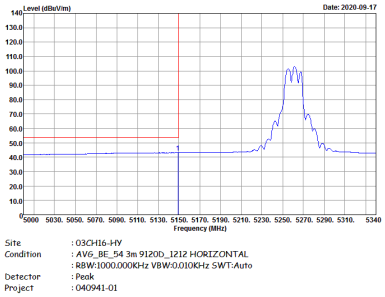
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
0+1	Horizontal	Vertical
Peak Avg.		

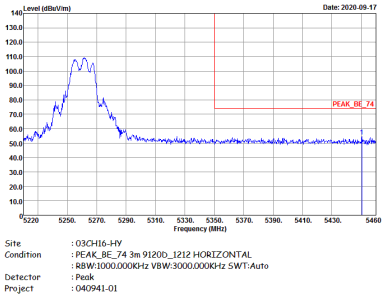
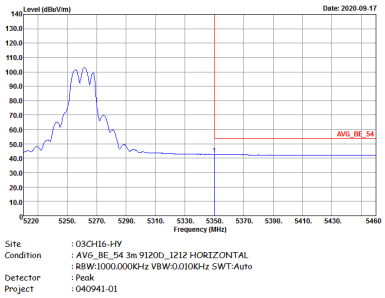
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

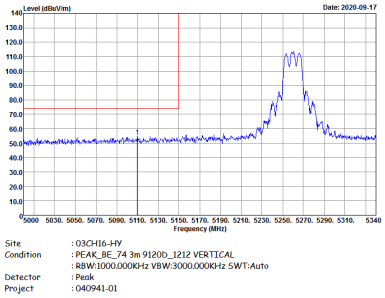
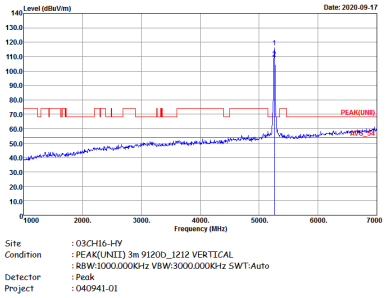
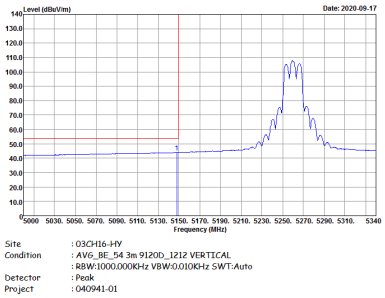
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
0+1	Horizontal	Vertical
Peak Avg.		

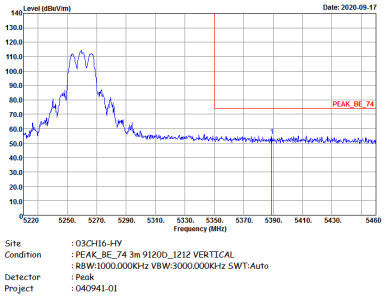
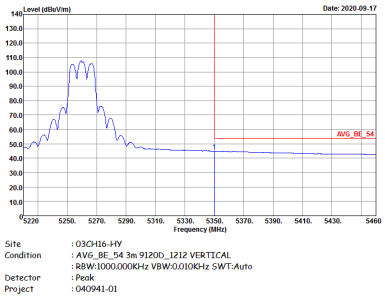
Band 2 - 5250~5350MHz

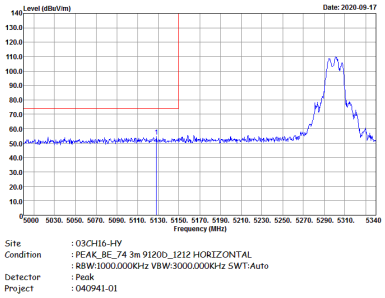
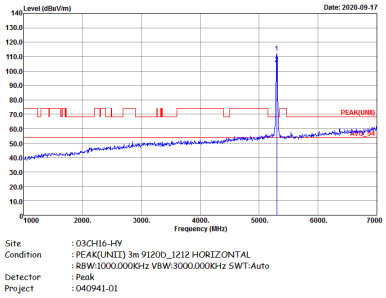
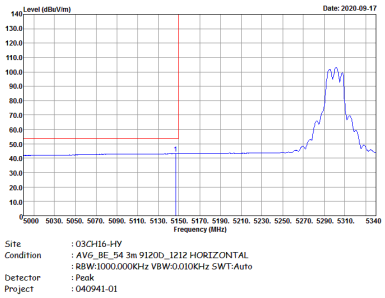
WIFI 802.11a (Band Edge @ 3m)

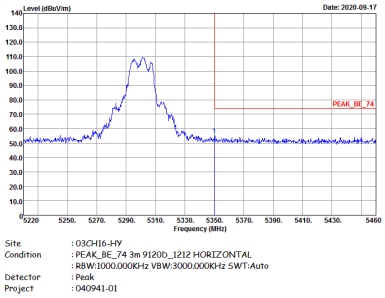
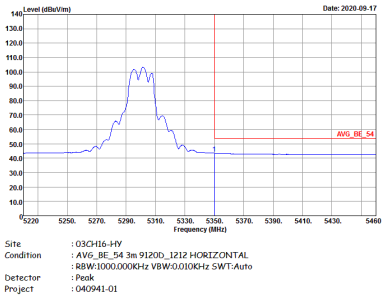
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

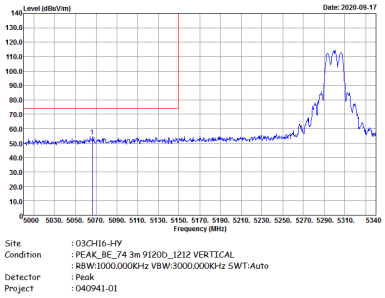
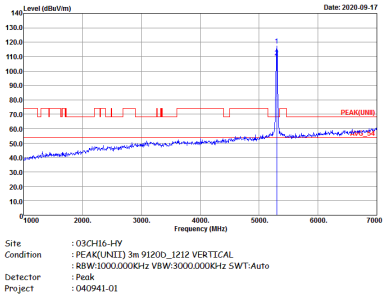
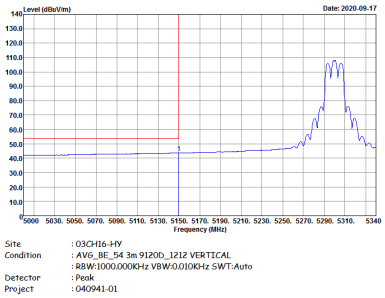
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

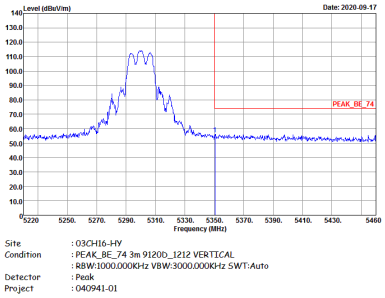
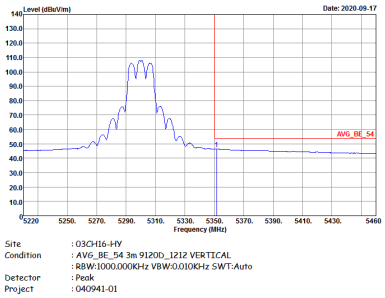
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

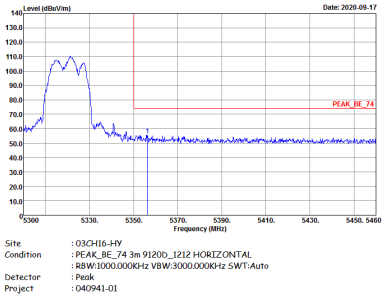
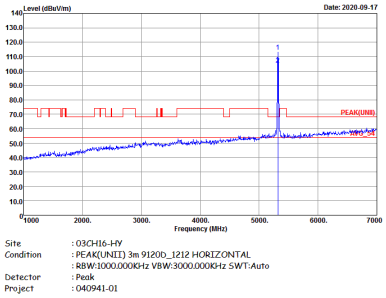
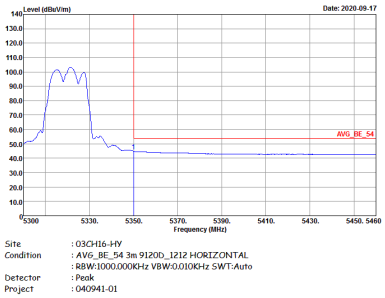
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

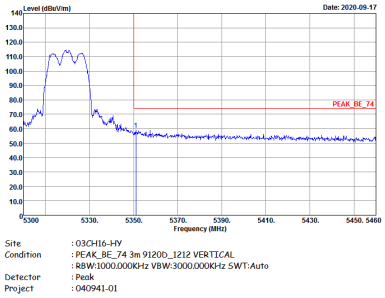
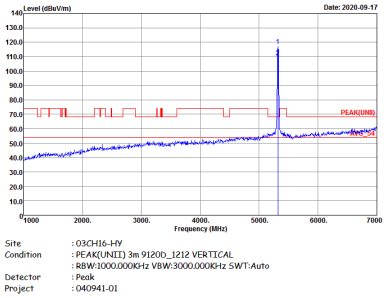
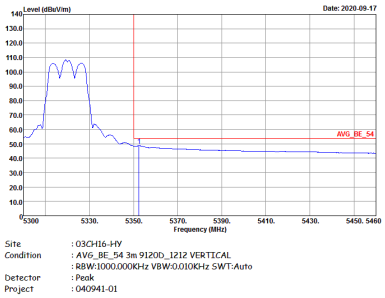
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

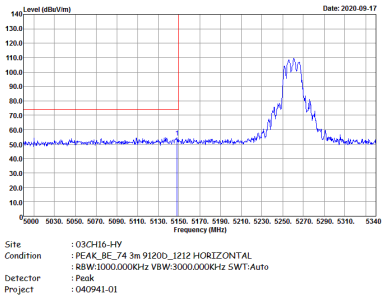
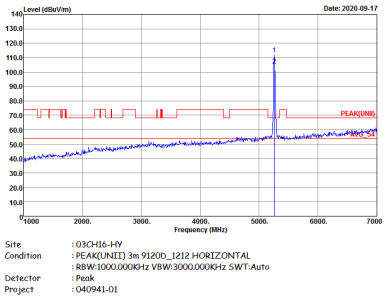
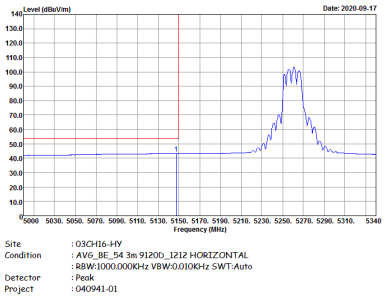
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

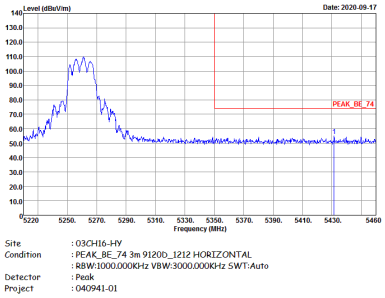
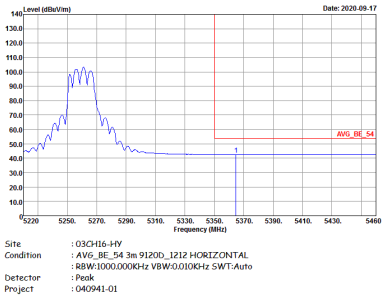
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

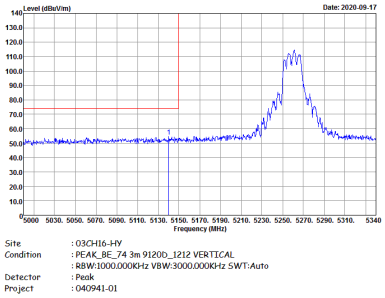
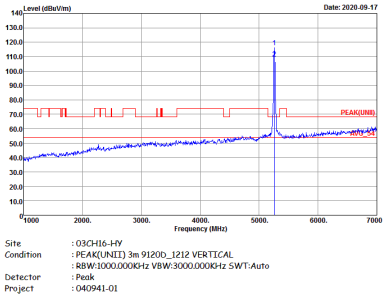
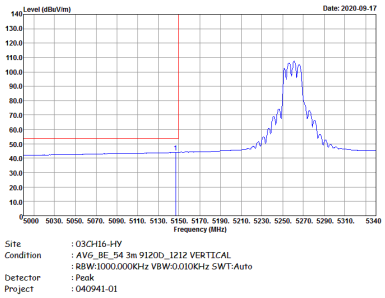
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

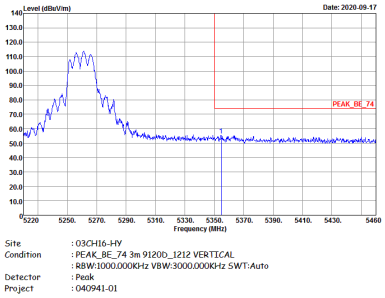
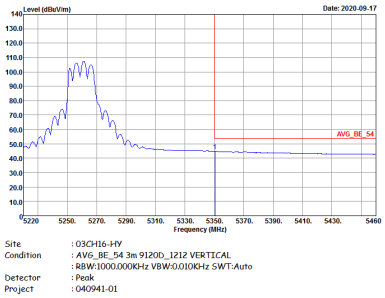
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

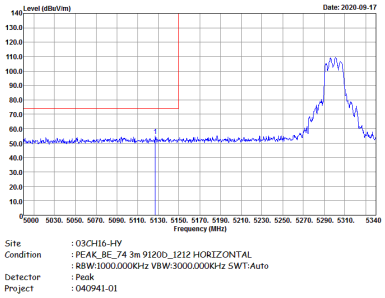
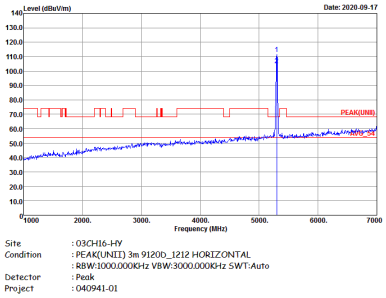
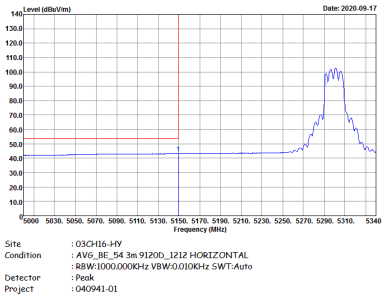
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

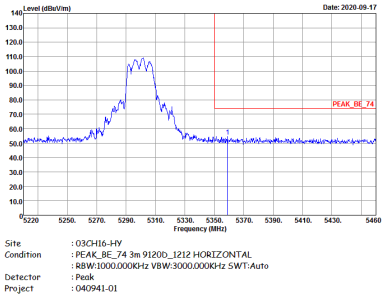
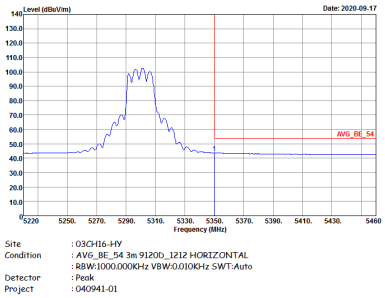
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

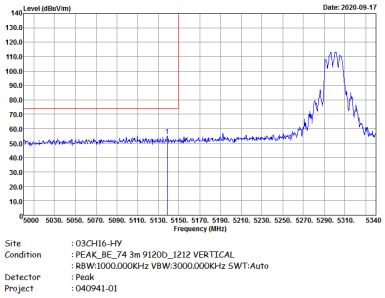
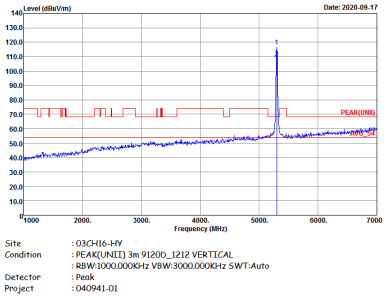
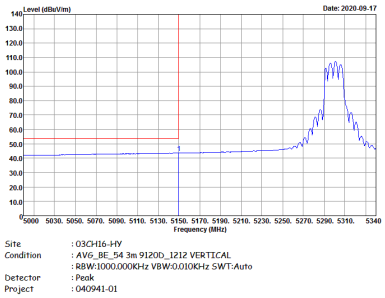
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

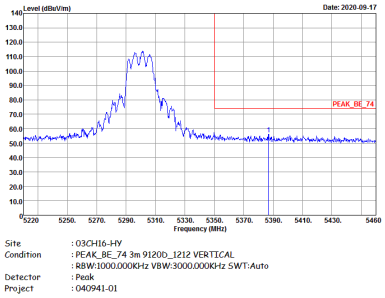
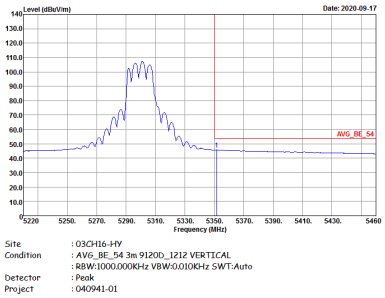
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

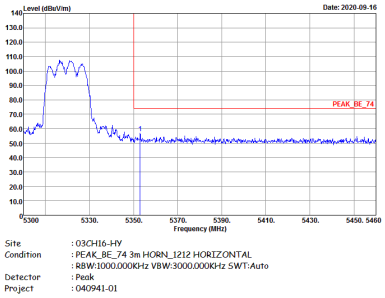
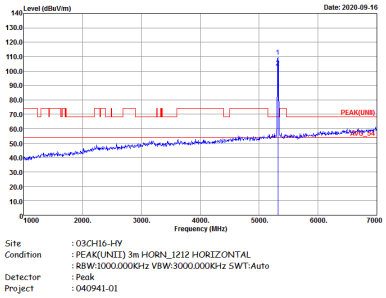
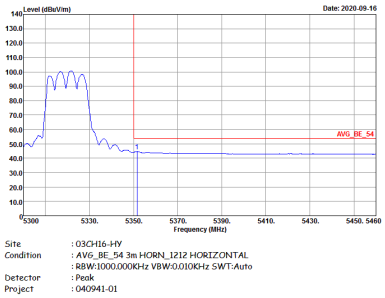
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

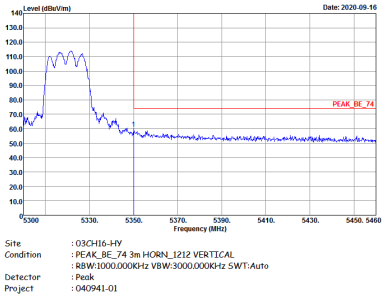
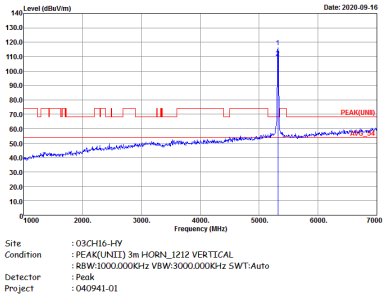
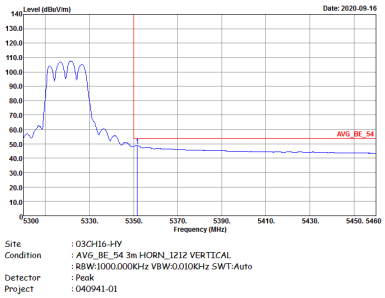
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
0+1	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank

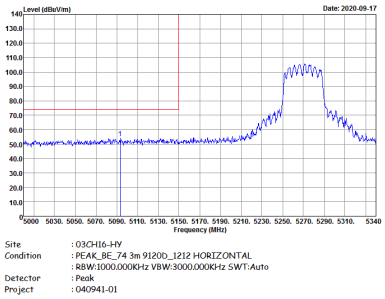
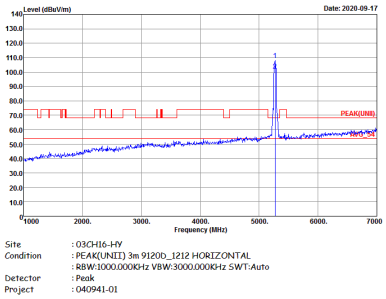
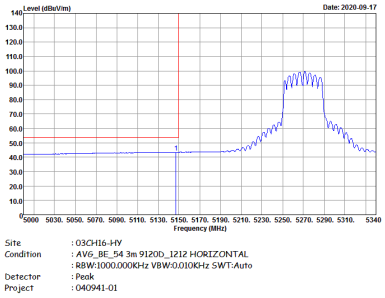
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

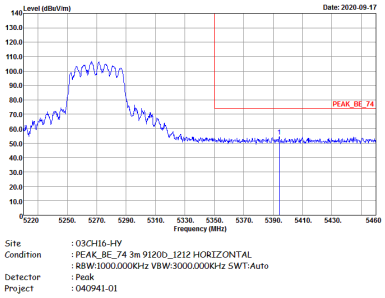
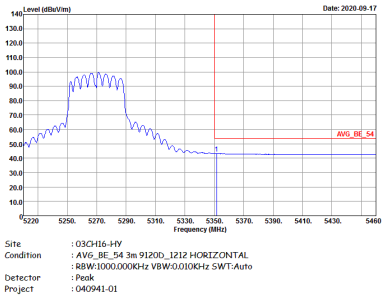
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

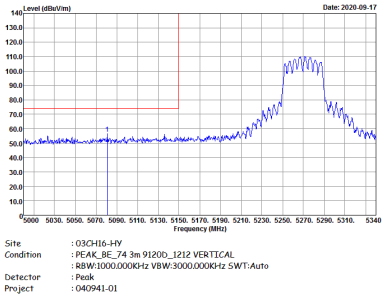
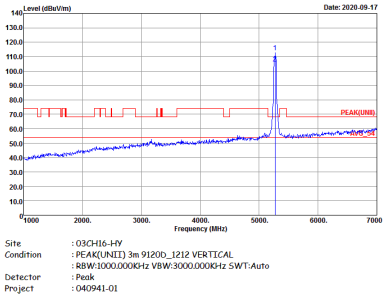
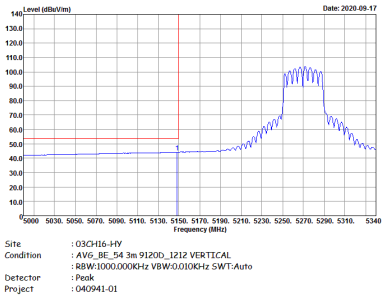
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

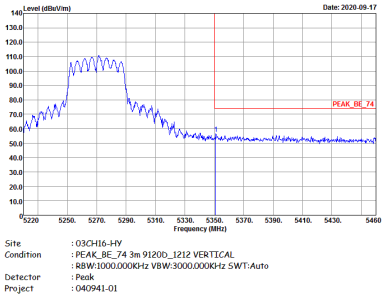
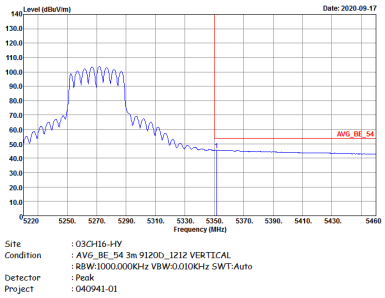
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

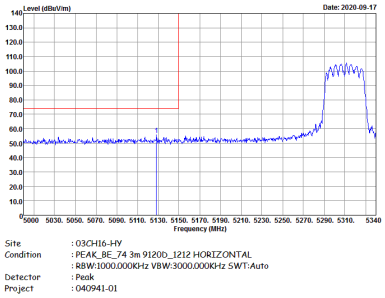
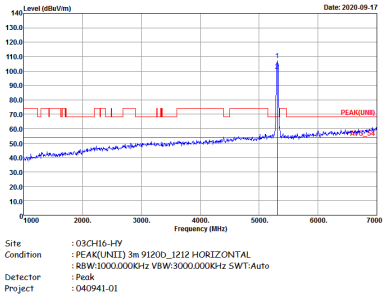
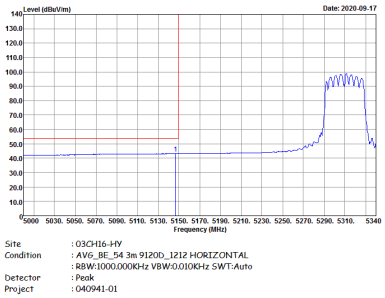
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

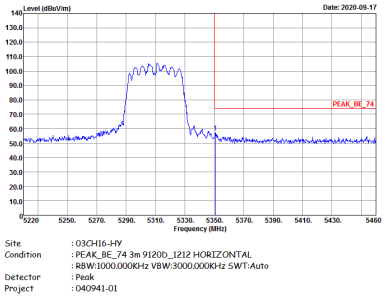
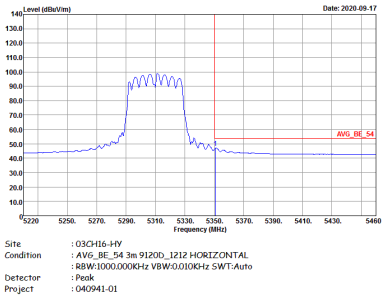
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

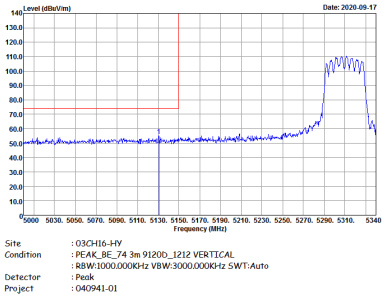
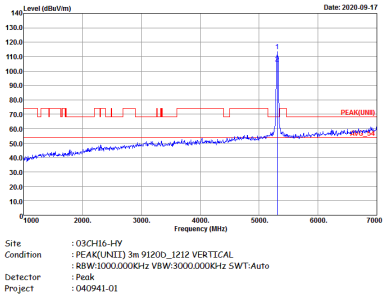
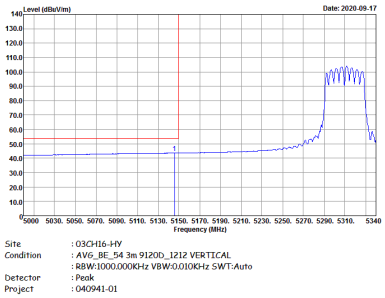
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

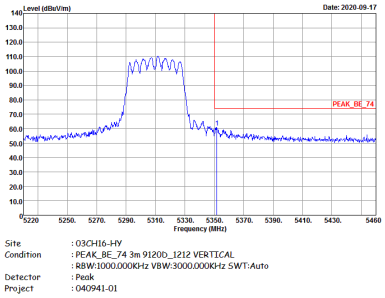
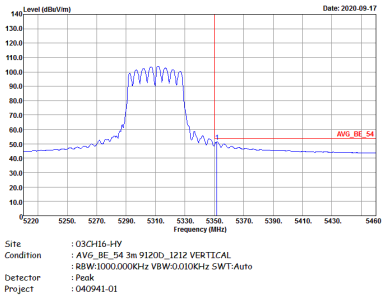
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
0+1	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
0+1	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

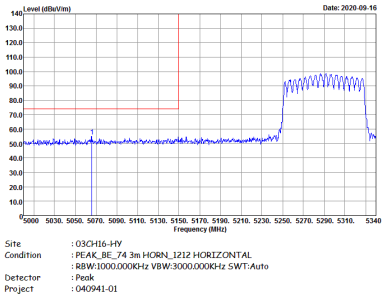
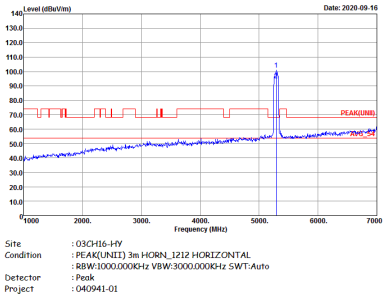
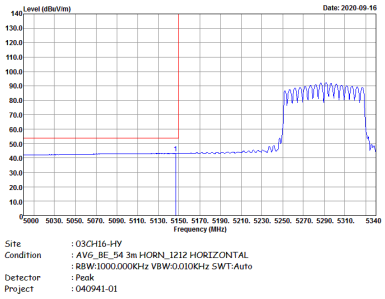
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

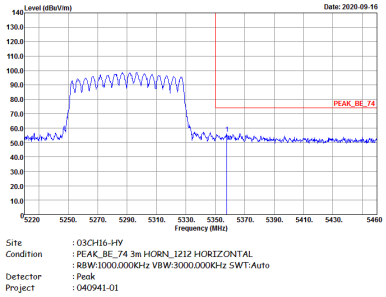
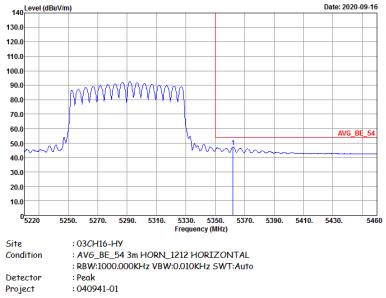
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

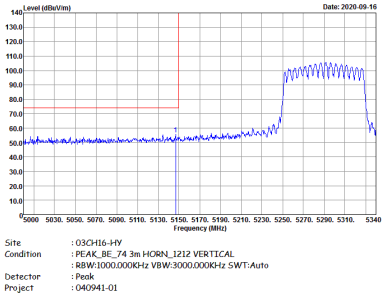
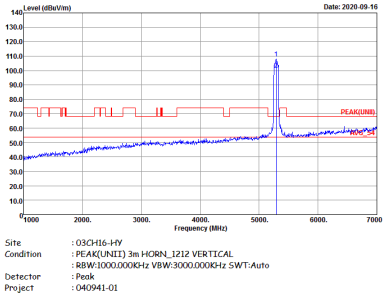
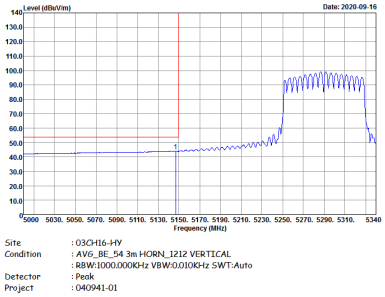
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

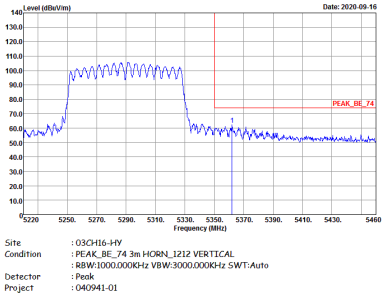
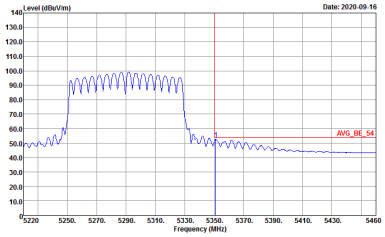
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

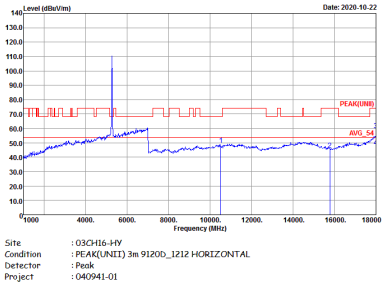
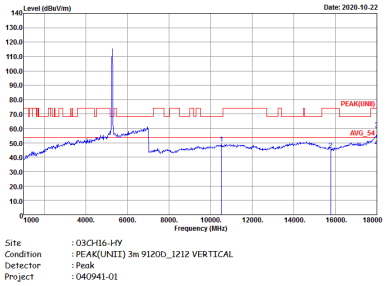
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

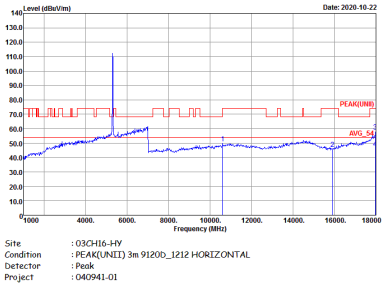
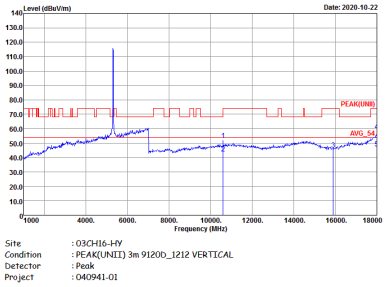
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

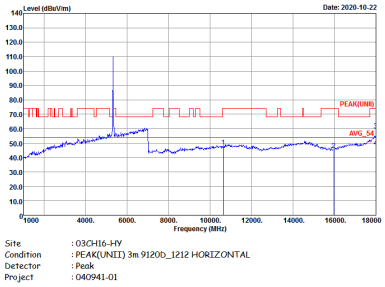
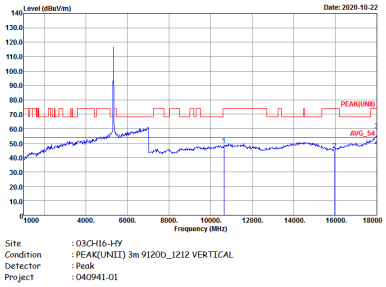
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m HORN_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m HORN_1212 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

Band 2 - 5250~5350MHz

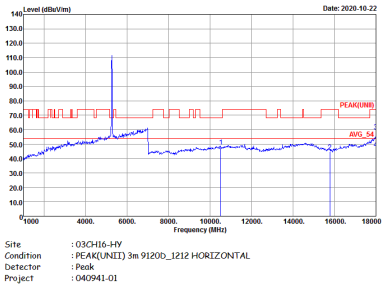
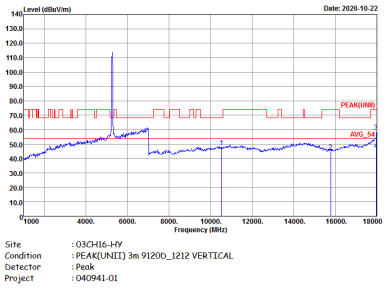
WIFI 802.11a (Harmonic @ 3m)

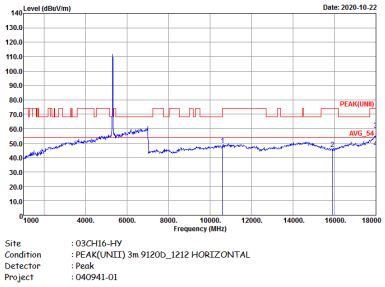
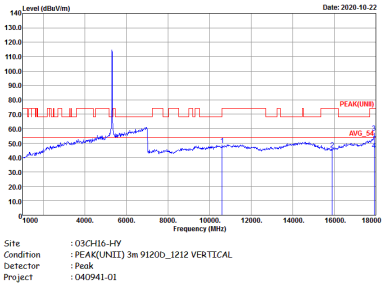
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
0+1	Horizontal	Vertical
Peak Avg.		

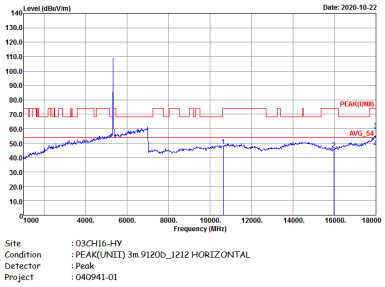
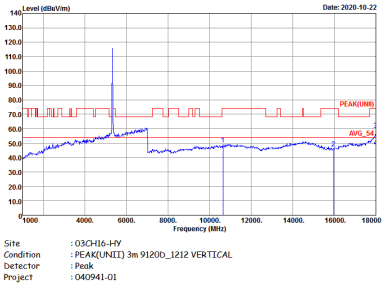
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Vertical
Peak Avg.		

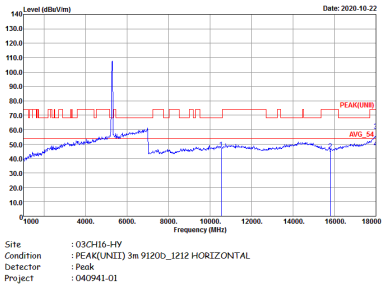
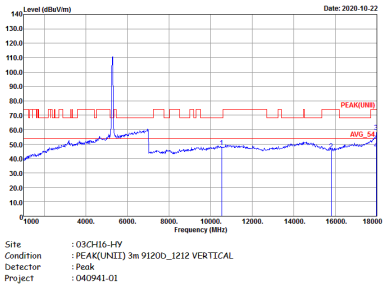
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

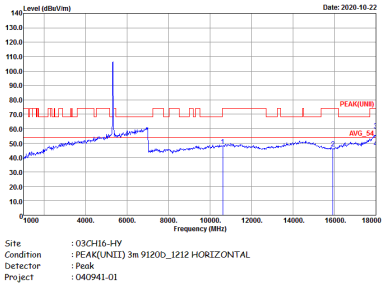
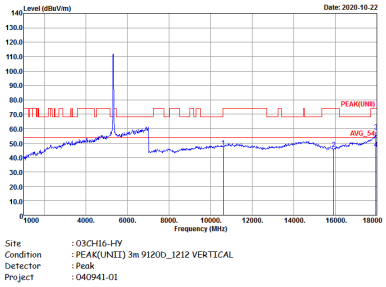
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
0+1	Horizontal	Vertical
Peak Avg.		

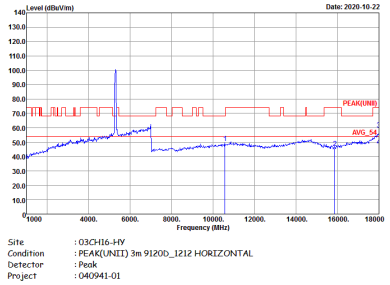
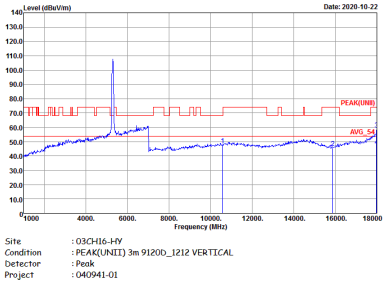
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
0+1	Horizontal	Vertical
Peak Avg.		

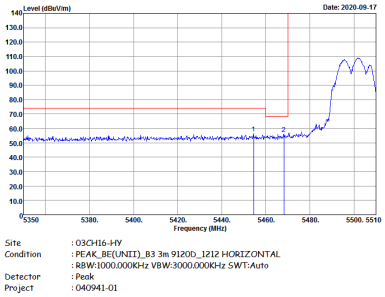
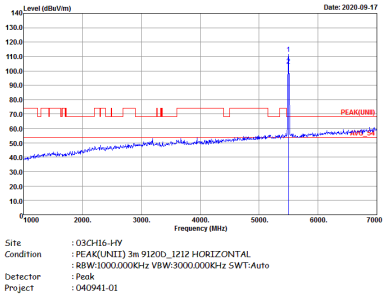
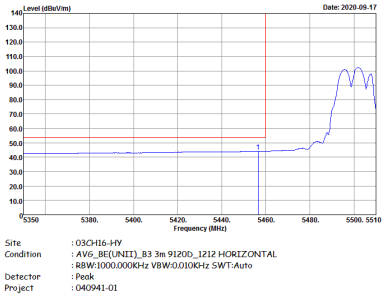
Band 2 5250~5350MHz

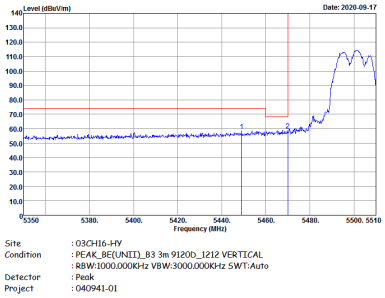
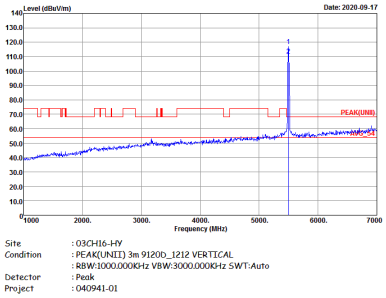
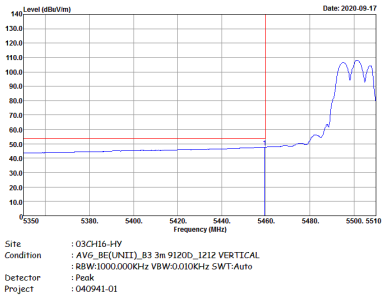
WIFI 802.11ac VHT80 (Harmonic @ 3m)

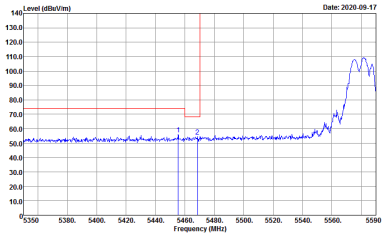
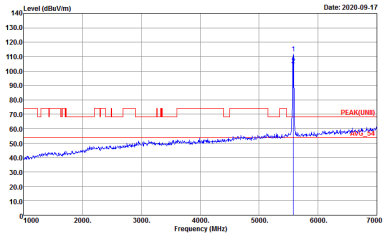
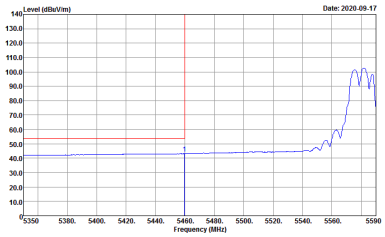
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
0+1	Horizontal	Vertical
Peak Avg.		

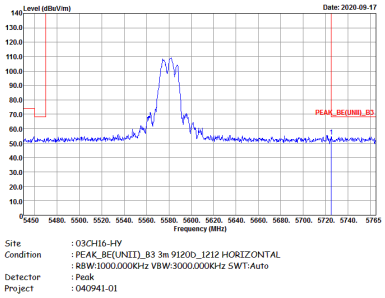
Band 3 - 5470~5725MHz

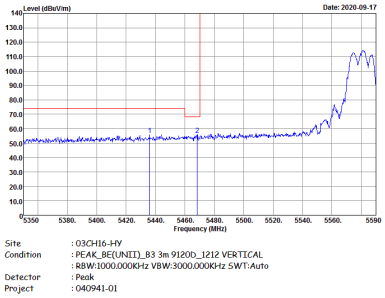
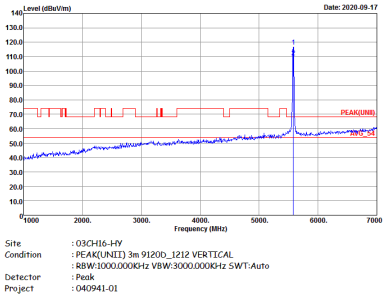
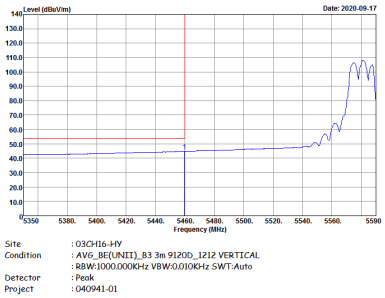
WIFI 802.11a (Band Edge @ 3m)

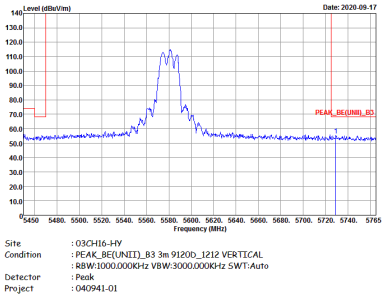
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

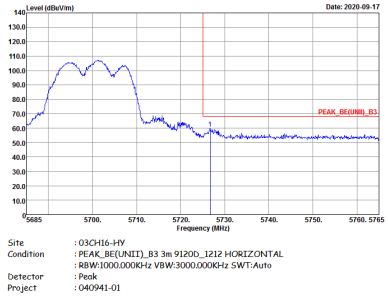
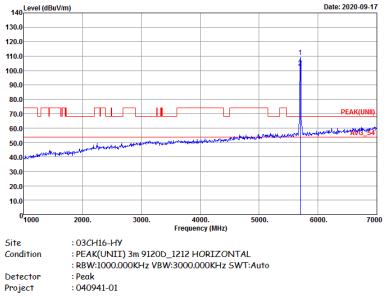
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

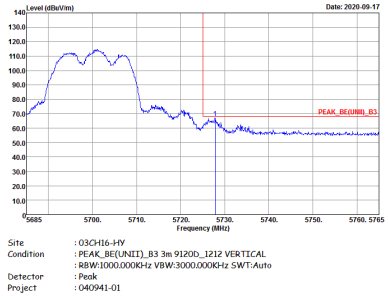
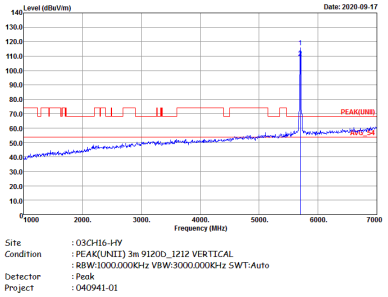
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_83 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_83 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII)_B3 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

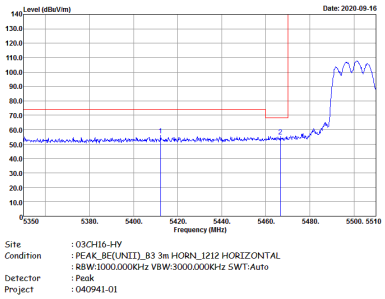
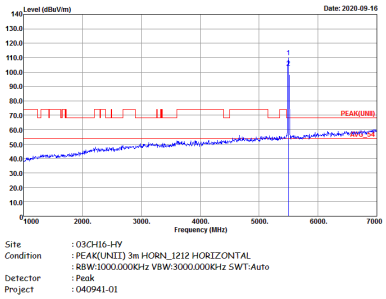
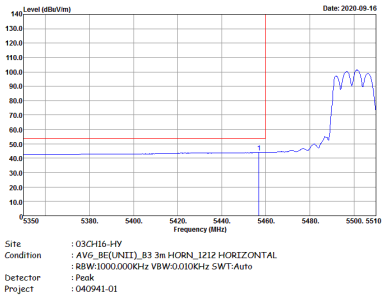
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

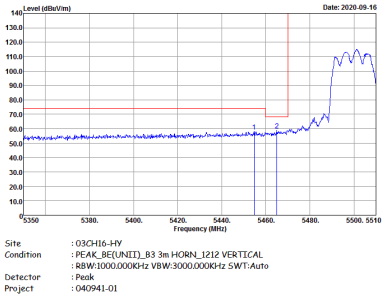
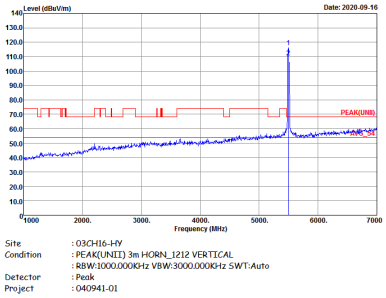
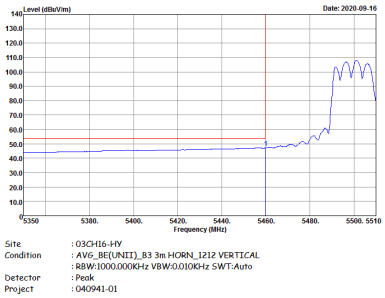
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank

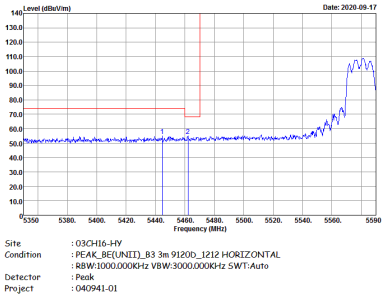
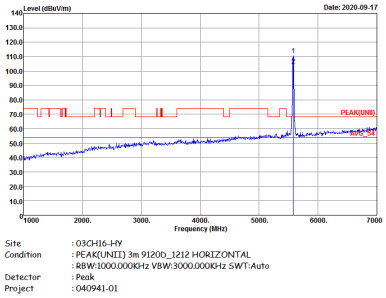
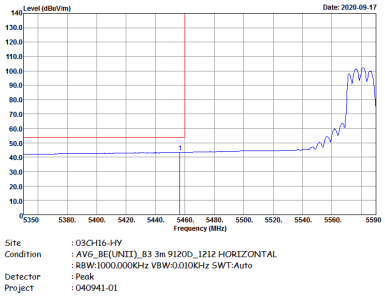
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
0+1	Horizontal	Fundamental
Peak		

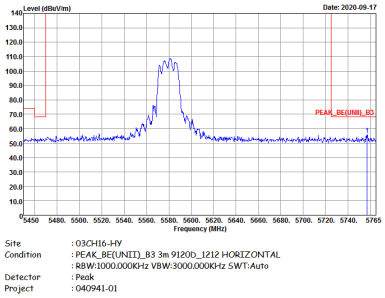
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01

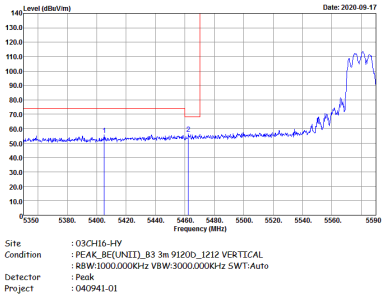
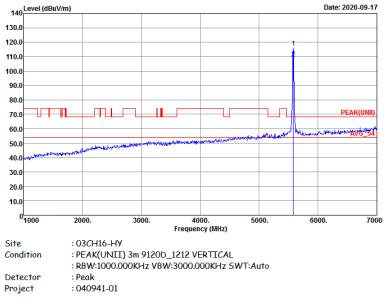
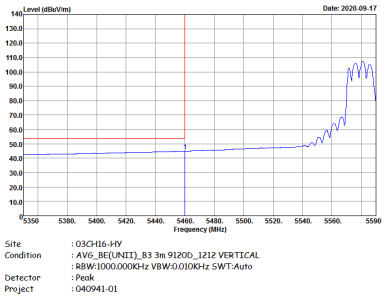
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

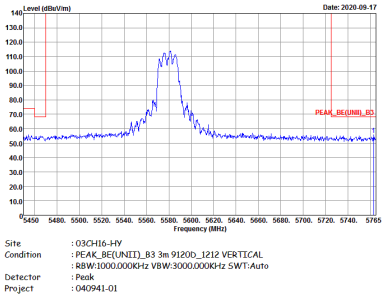
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

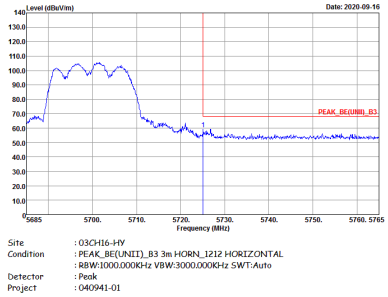
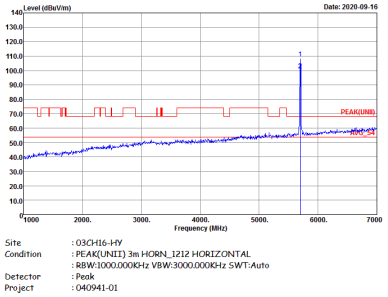
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

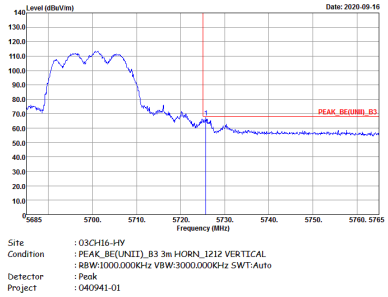
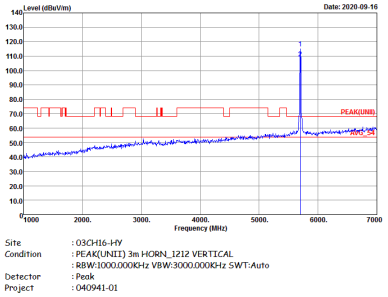
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank

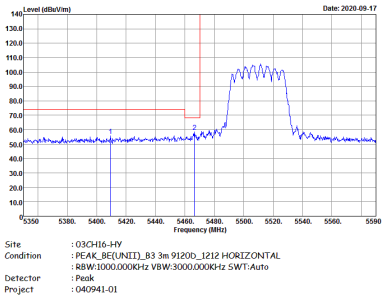
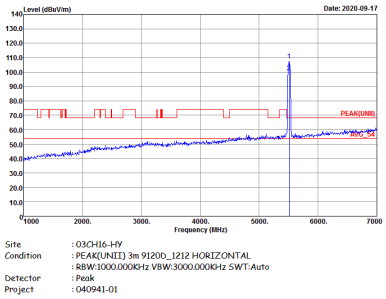
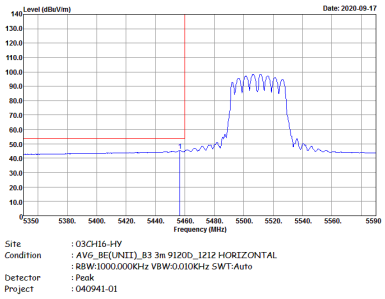
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

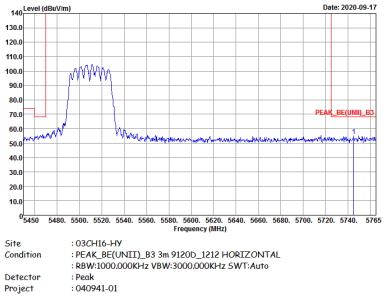
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII)_B3 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

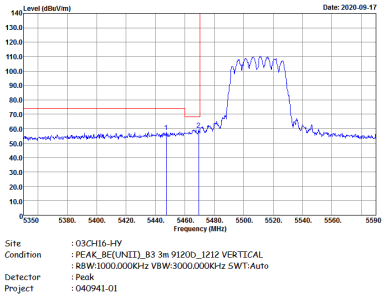
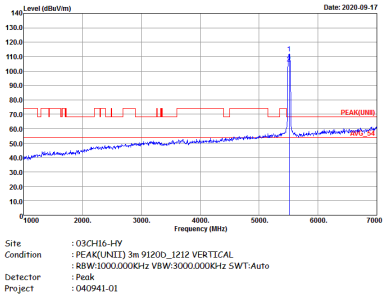
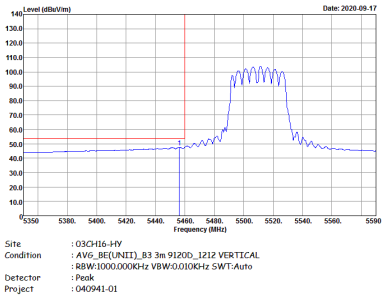
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m HORN_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m HORN_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01

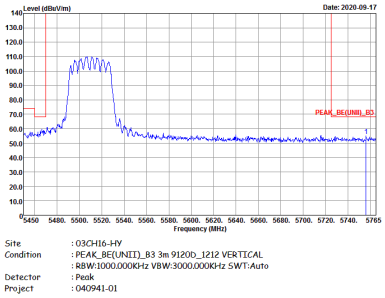
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
0+1	Vertical	Fundamental
Peak.	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m HORN_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m HORN_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01

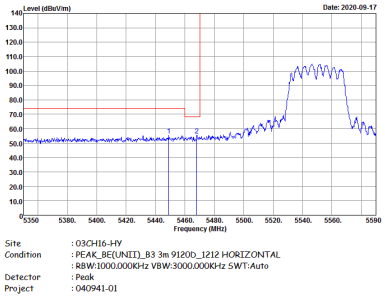
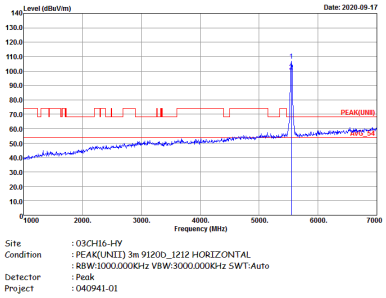
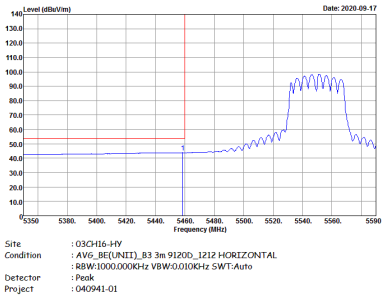
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

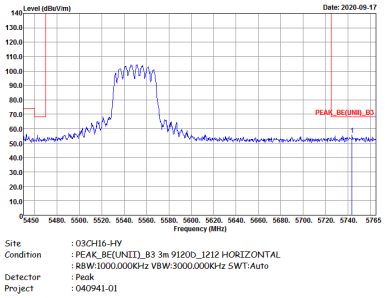
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

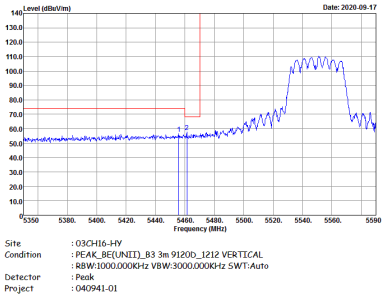
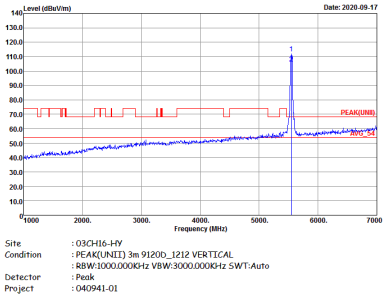
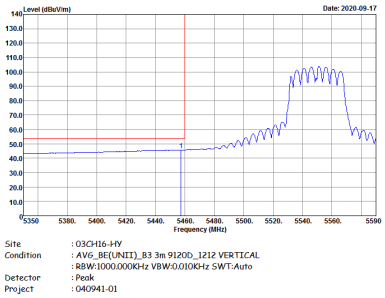
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank

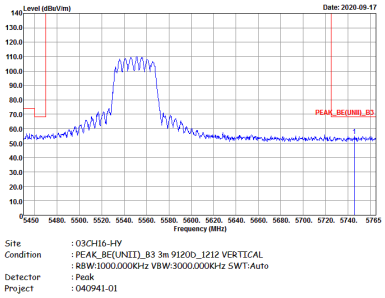
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

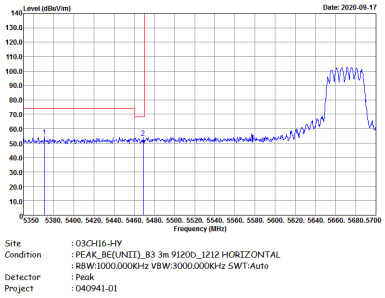
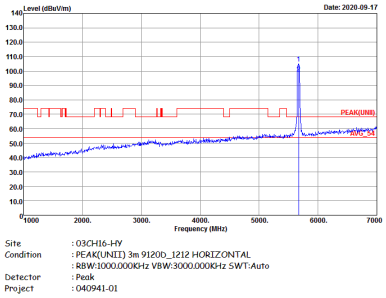
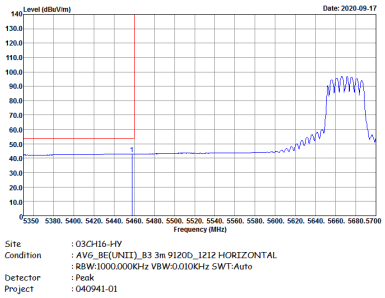
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank

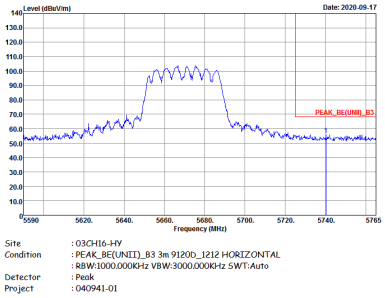
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

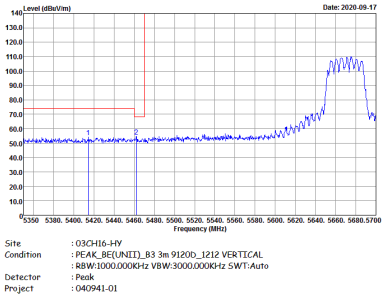
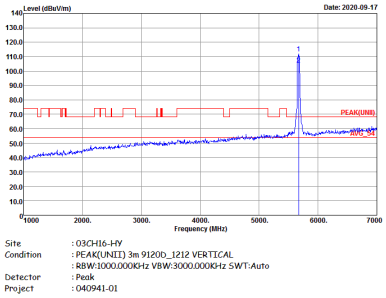
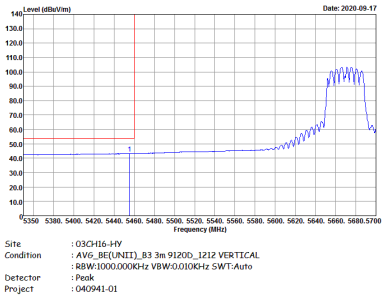
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank

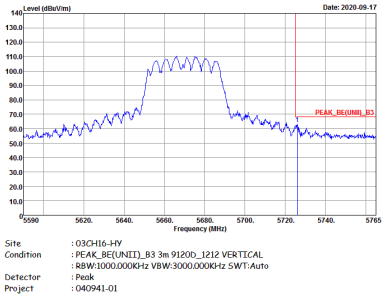
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

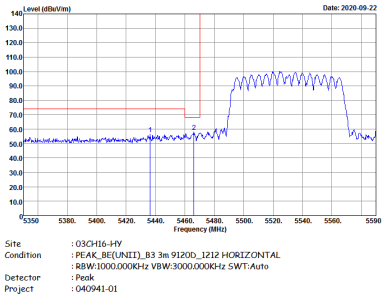
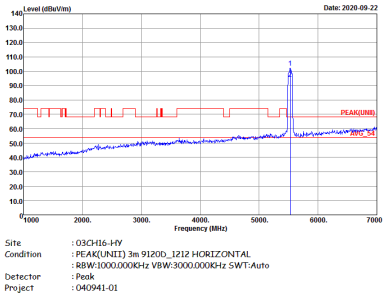
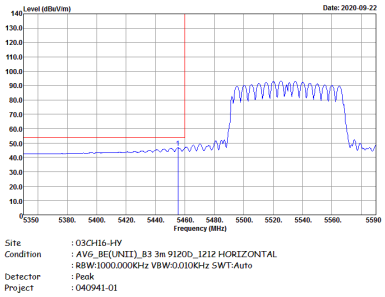
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

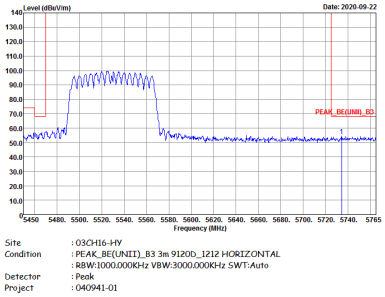
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank

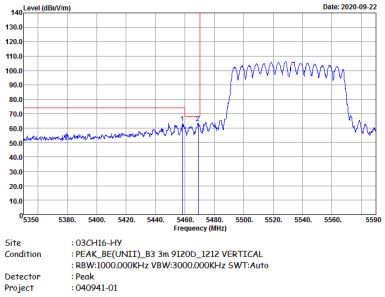
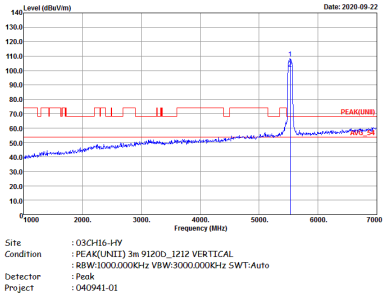
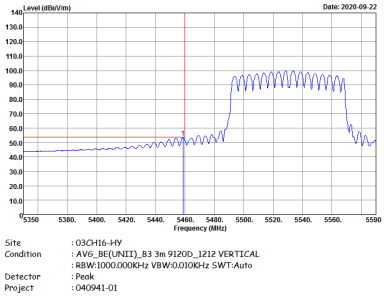
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

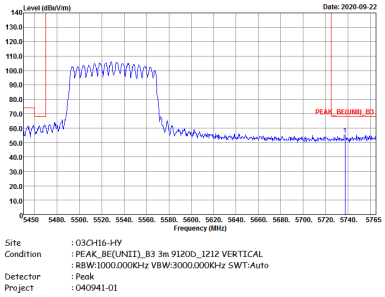
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank

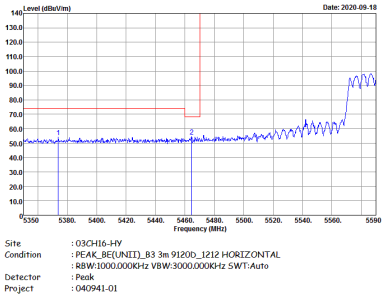
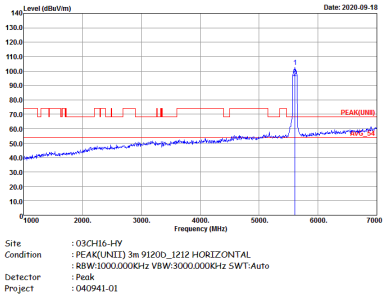
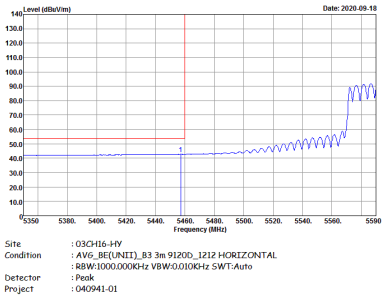
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

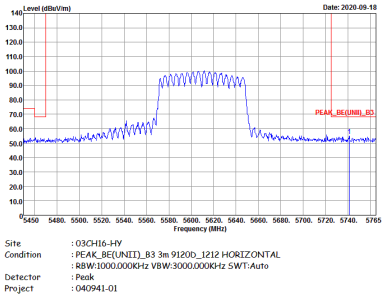
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

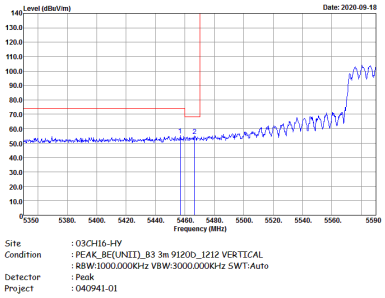
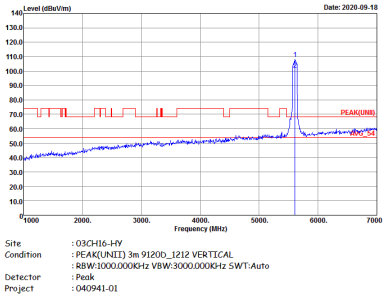
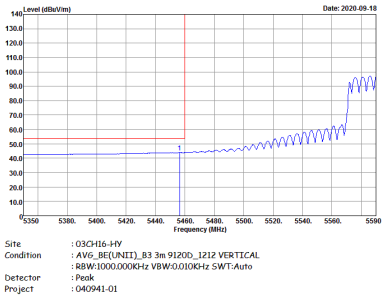
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

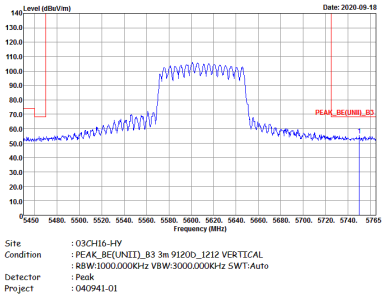
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank

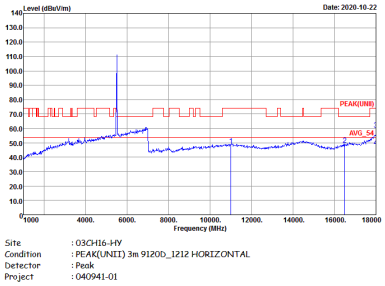
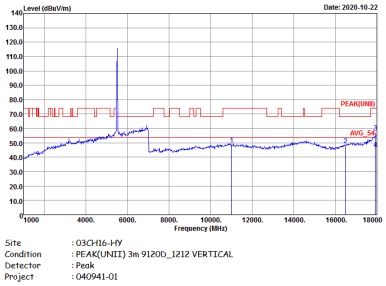
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

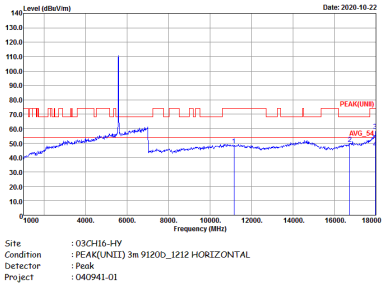
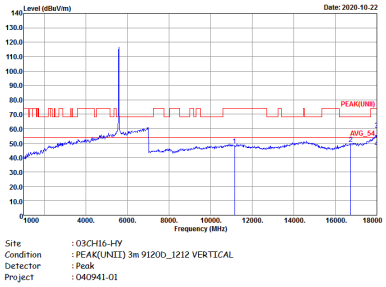
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		Left blank

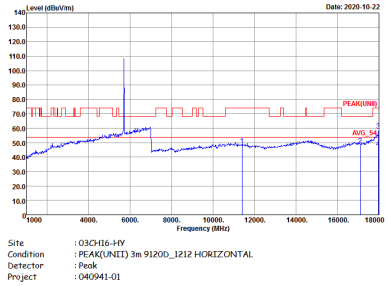
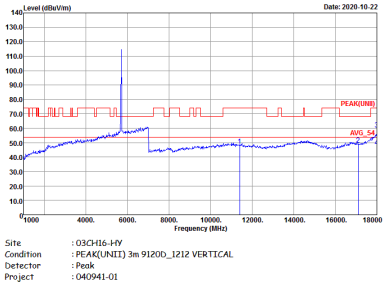
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 040941-01	Left blank

Band 3 - 5470~5725MHz

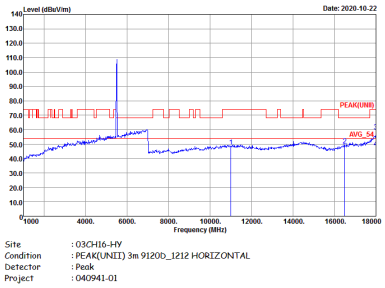
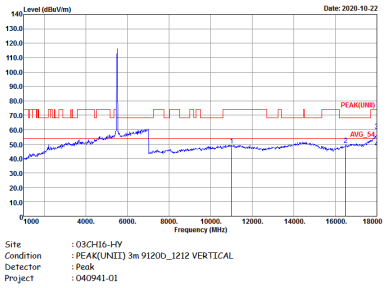
WIFI 802.11a (Harmonic @ 3m)

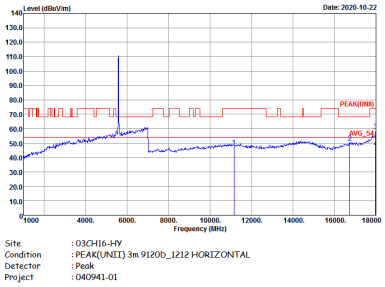
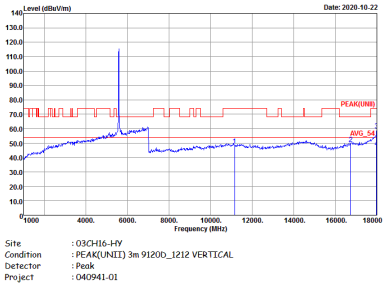
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
0+1	Horizontal	Vertical
Peak Avg.		

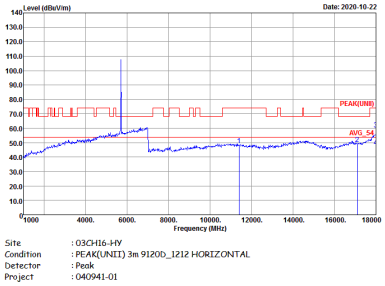
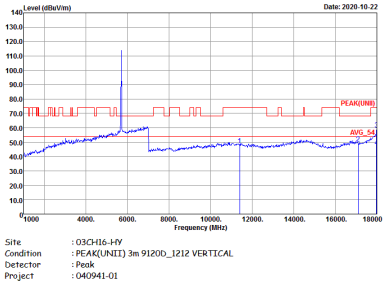
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
0+1	Horizontal	Vertical
Peak Avg.		

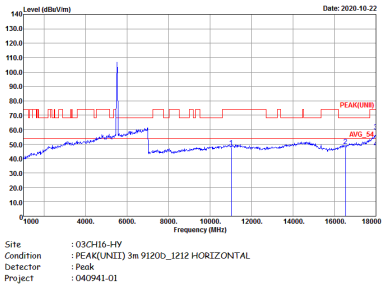
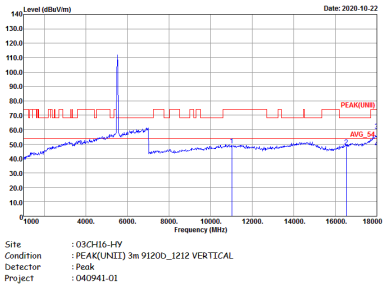
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

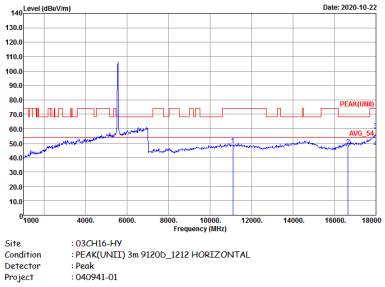
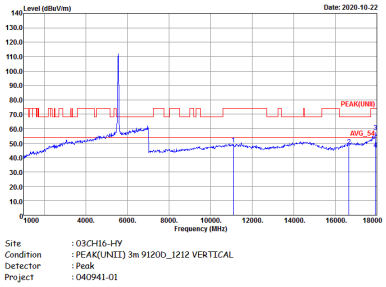
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
0+1	Horizontal	Vertical
Peak Avg.		

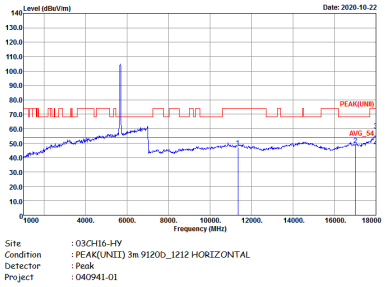
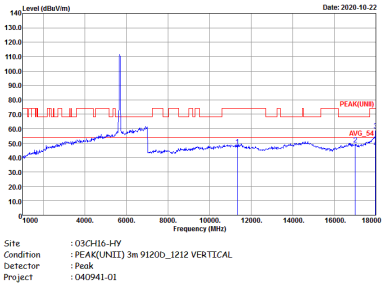
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
0+1	Horizontal	Vertical
Peak Avg.		

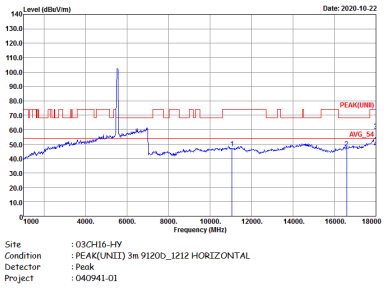
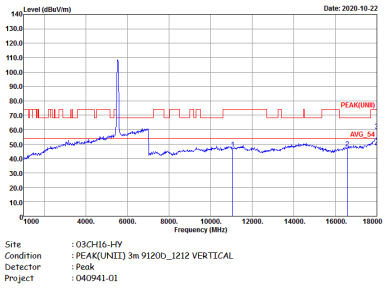
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

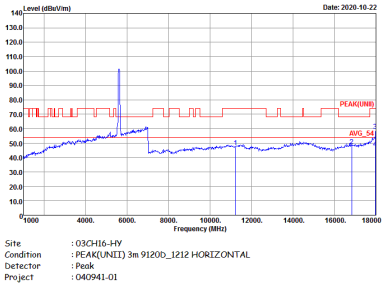
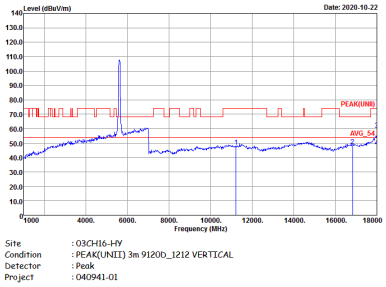
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
0+1	Horizontal	Vertical
Peak Avg.		

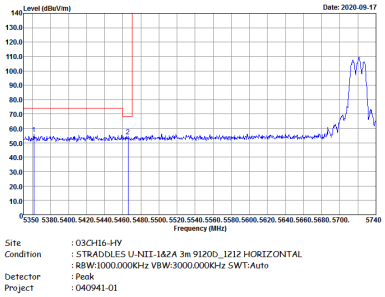
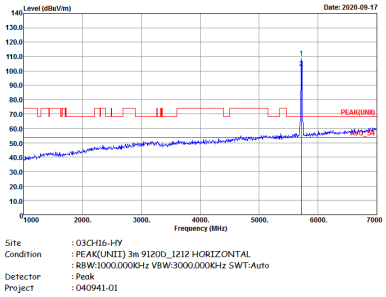
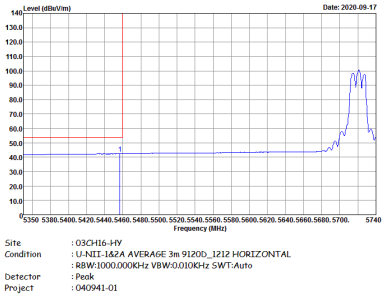
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		Left blank