FCC RADIO TEST REPORT

FCC ID	:	**GKRPIXM01**
Equipment	:	**Smart Baby Camera**
Brand Name	:	**PIXSEE**
Model Name	:	**SC-PIXM01**
Applicant	:	**Compal Electronics, Inc.** **No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114) Taiwan**
Manufacturer	:	**Compal Electronics, Inc.** **No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114) Taiwan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 15, 2020 and testing was started from Feb. 06, 2020 and completed on Nov. 11, 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
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History of this test report

Report No.	Version	Description	Issued Date
FR010711-01B	01	Initial issue of report	Nov. 23, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 0.39 dB at 5149.760 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 19.95 dB at 0.501 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang
Report Producer: Yimin Ho

1 General Description

1.1 Product Feature of Equipment Under Test

Wi-Fi 2.4GHz 802.11b/g/n and Wi-Fi 5GHz 802.11a/ac

Product Specification subjective to this standard	
Antenna Type	WLAN **<Ant. 1>:** Chip Antenna **<Ant. 2>:** Dipole Antenna

1.2 Modification of EUT

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

1.3 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

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

1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

Note:

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

2.2 Test Mode

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

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

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

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

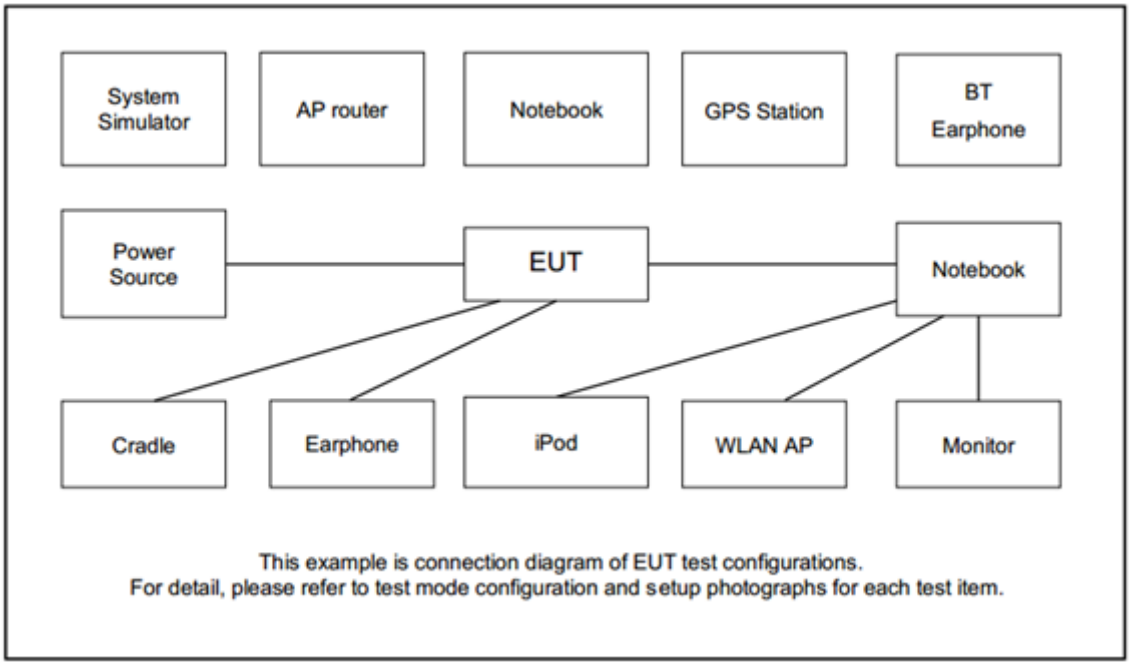
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

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

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



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 E3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Smart phone	Sony	H3113	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “CMD v10.0.18362.1139” 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.

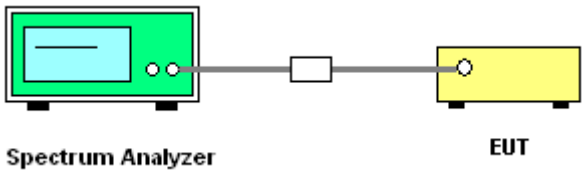
3.1.2 Measuring Instruments

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.

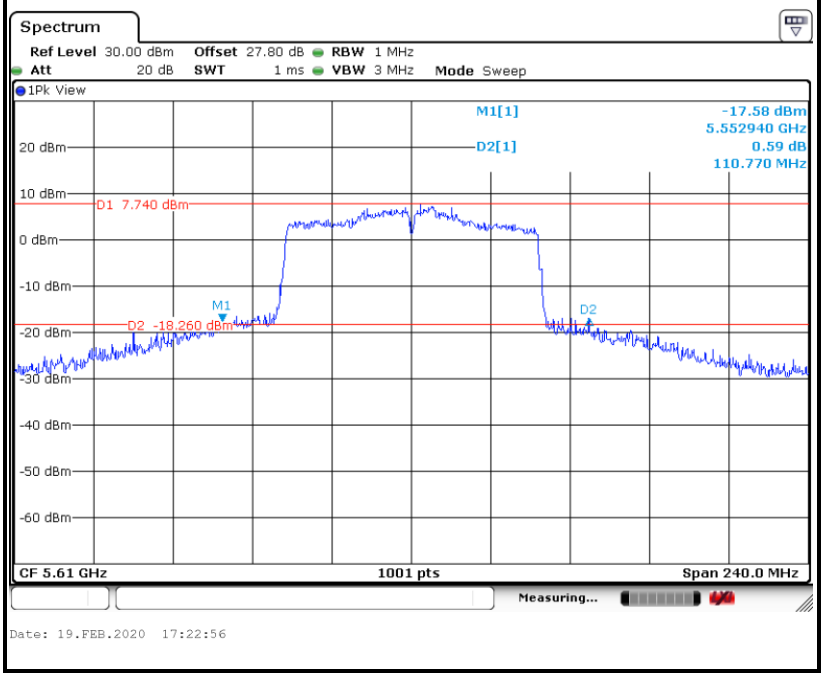
3.1.4 Test Setup



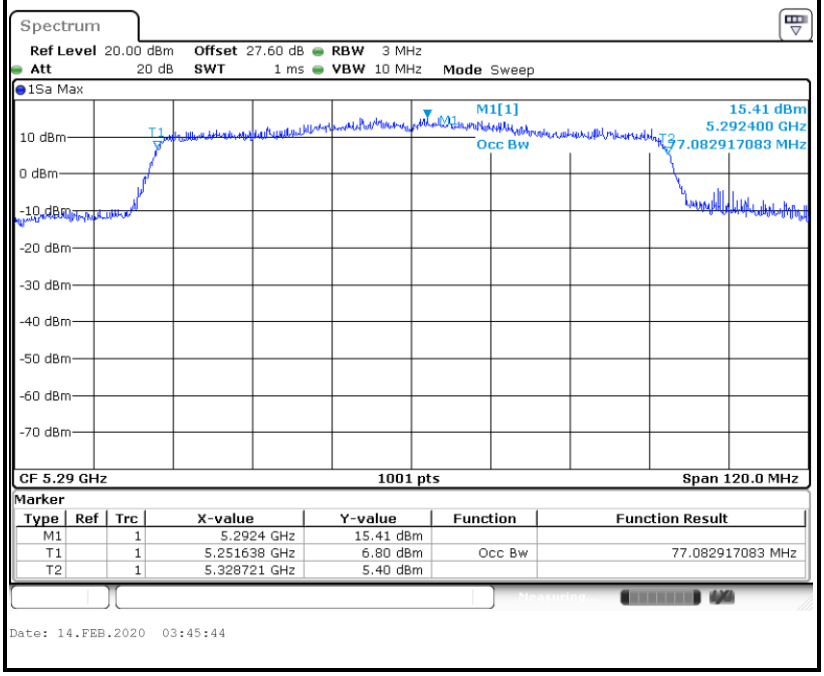
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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.

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.

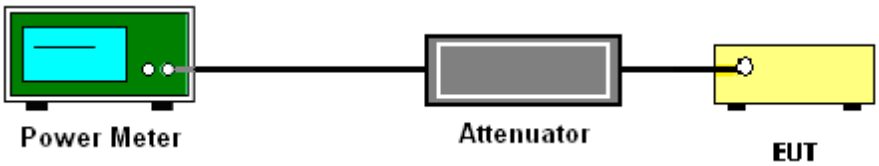
3.2.3 Test Procedures

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.

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.

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):

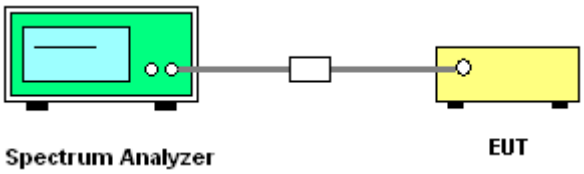
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the 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.

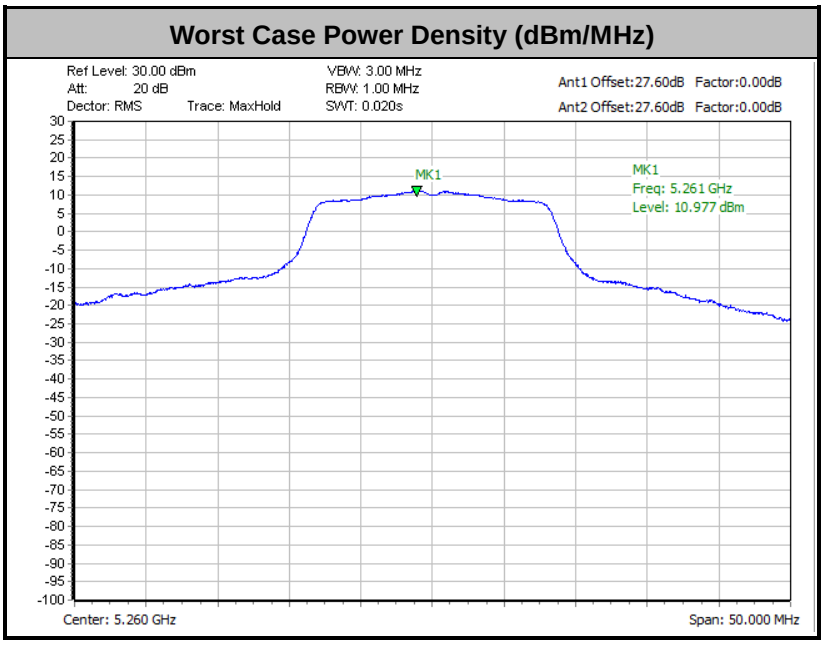
   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

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

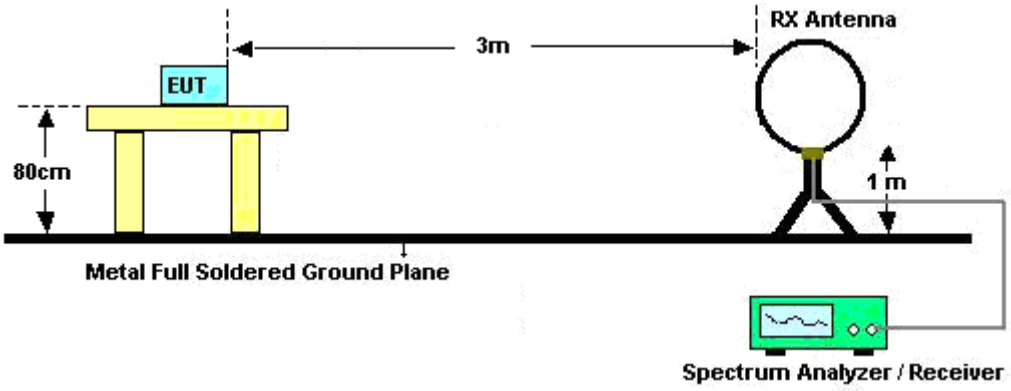
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.

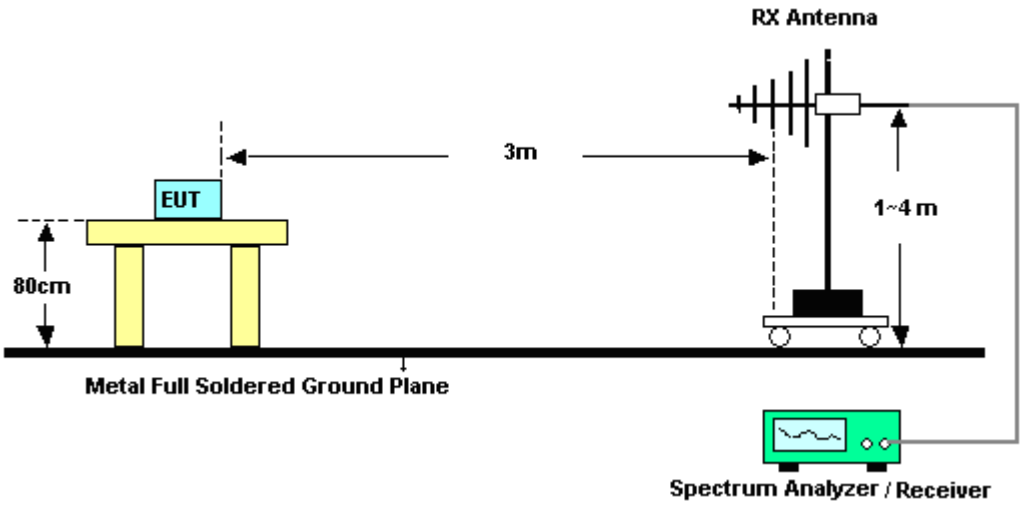
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

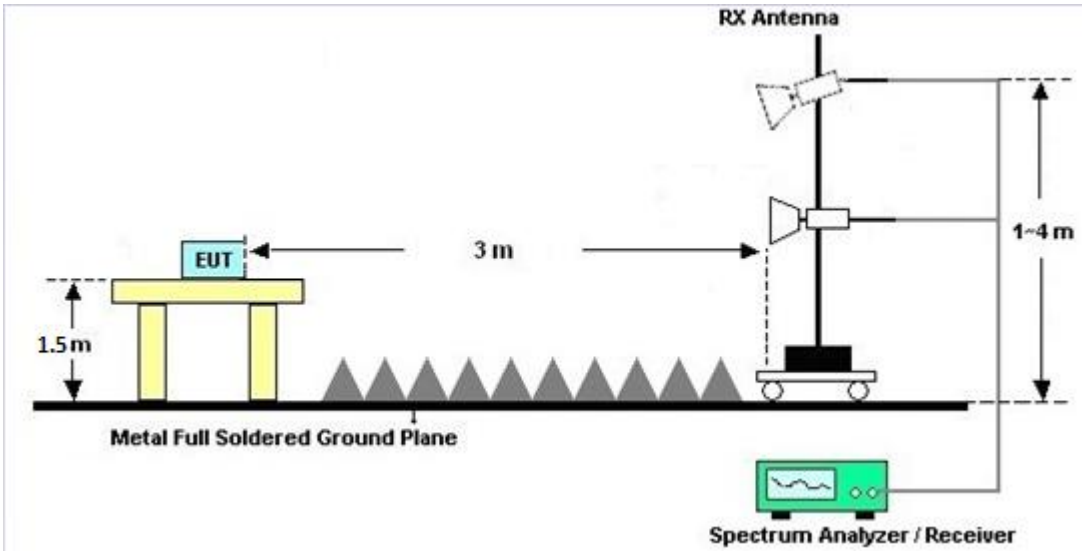
For radiated emissions below 30MHz



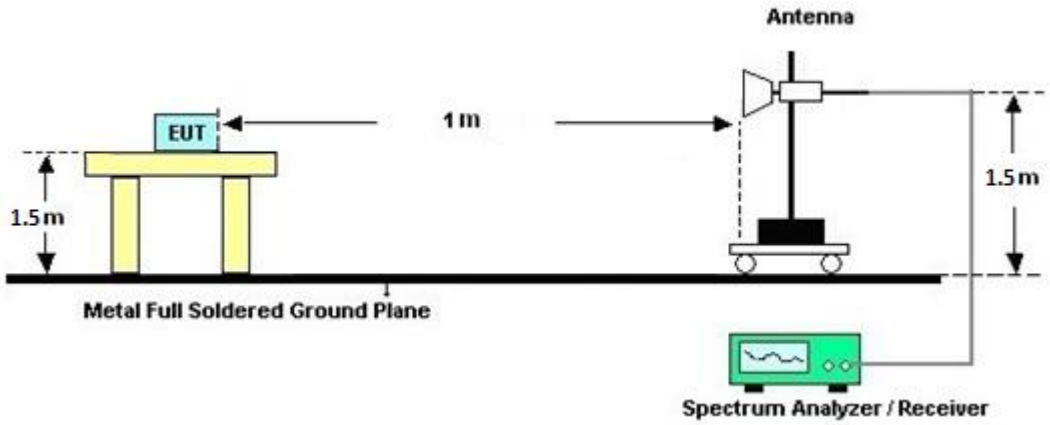
For radiated emissions from 30MHz to 1GHz



For radiated emissions 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.

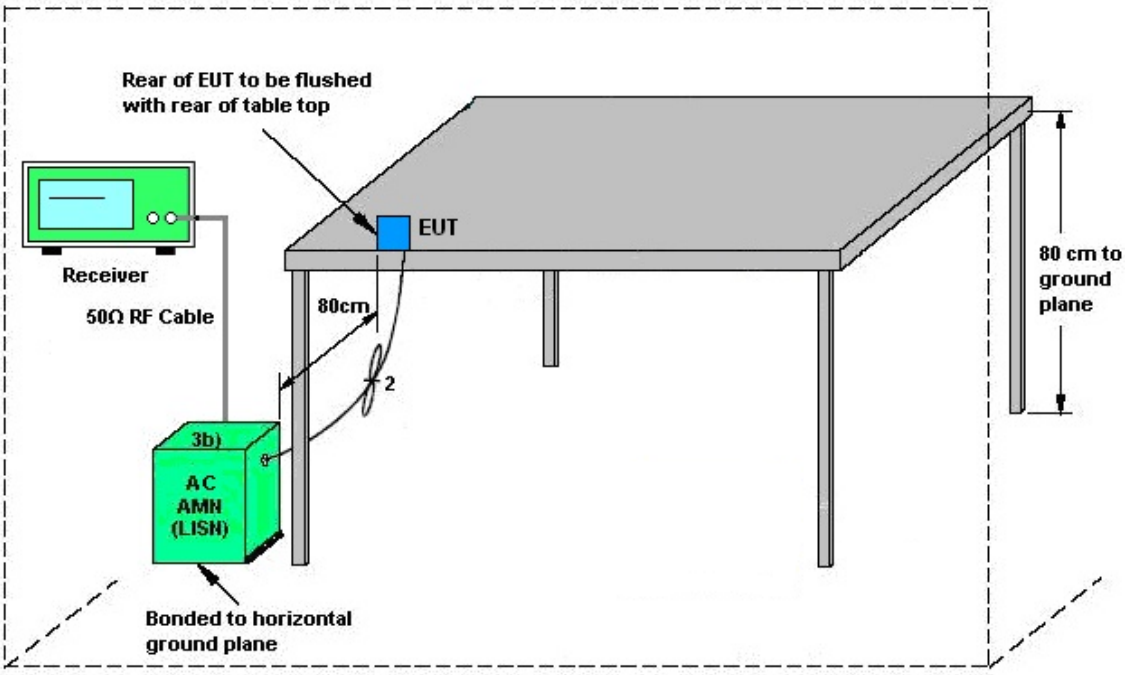
3.5.2 Measuring Instruments

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

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	0.50	2.40	2.40	4.51	0.00	0.00
Band II	1.10	2.60	2.60	4.89	0.00	0.00
Band III	1.30	3.40	3.40	5.42	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	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	Nov. 05, 2020~ Nov. 09, 2020	Jul. 13, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01 N-06	41912 & 05	30MHz to 1GHz	Feb. 09, 2020	Nov. 05, 2020~ Nov. 09, 2020	Feb. 08, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 10, 2019	Nov. 05, 2020~ Nov. 09, 2020	Dec. 09, 2020	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Sep. 30, 2020	Nov. 05, 2020~ Nov. 09, 2020	Sep. 29, 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 29, 2020	Nov. 05, 2020~ Nov. 09, 2020	Sep. 28, 2021	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800054001	1GHz~18GHz	Sep. 04, 2020	Nov. 05, 2020~ Nov. 09, 2020	Sep. 03, 2021	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~40GHz	Dec. 13, 2019	Nov. 05, 2020~ Nov. 09, 2020	Dec. 12, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 11, 2019	Nov. 05, 2020~ Nov. 09, 2020	Dec.10, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY57290111	3Hz~26.5GHz	Dec. 05, 2019	Nov. 05, 2020~ Nov. 09, 2020	Dec. 04, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 29, 2020	Nov. 05, 2020~ Nov. 09, 2020	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 29, 2020	Nov. 05, 2020~ Nov. 09, 2020	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 29, 2020	Nov. 05, 2020~ Nov. 09, 2020	Aug. 28, 2021	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP200881	QA-3-031	Oct. 22, 2020	Nov. 05, 2020~ Nov. 09, 2020	Oct. 21, 2021	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Nov. 05, 2020~ Nov. 09, 2020	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Nov. 05, 2020~ Nov. 09, 2020	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 05, 2020~ Nov. 09, 2020	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 05, 2020~ Nov. 09, 2020	N/A	Radiation (03CH16-HY)
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Feb. 06, 2020~ Feb. 24, 2020	Jun. 16, 2020	Conducted (TH05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Nov. 01, 2020~ Nov. 11, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Feb. 06, 2020~ Nov. 11, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 15, 2019	Feb. 06, 2020~ Nov. 11, 2020	Nov. 14, 2020	Conducted (TH05-HY)
Switch Control Manframe	E-IUSTRUMENT	ETF-1405-0	EC1900067	N/A	Aug. 15, 2019	Feb. 06, 2020~ Feb. 24, 2020	Aug. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Nov. 01, 2020~ Nov. 11, 2020	Mar. 16, 2021	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 11, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Nov. 11, 2020	Nov. 14, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Nov. 11, 2020	Nov. 19, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 11, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Nov. 11, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Nov. 11, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Nov. 11, 2020	Mar. 01, 2021	Conduction (CO05-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:	Luffy Lin/Richard Qiu/Kathy Chen	Temperature:	22.8~24.1	°C
Test Date:	2020/2/6 ~ 2020/11/11	Relative Humidity:	53.1~54.6	%

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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	17.53	17.43	28.37	28.29	-		22.41			
11a	6Mbps	2	44	5220	19.23	18.68	42.36	40.12	-		22.71			
11a	6Mbps	2	48	5240	18.28	20.08	42.12	40.20	-		22.62			
VHT20	MCS0	2	36	5180	18.38	18.43	36.74	39.06	-		22.64			
VHT20	MCS0	2	44	5220	19.68	19.18	45.55	43.82	-		22.83			
VHT20	MCS0	2	48	5240	18.93	19.38	38.12	39.64	-		22.77			
VHT40	MCS0	2	38	5190	36.86	36.96	44.15	45.43	-		23.01			
VHT40	MCS0	2	46	5230	38.66	37.06	81.85	66.77	-		23.01			
VHT80	MCS0	2	42	5210	76.60	76.24	81.52	82.00	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	12.40	12.70		24.00	24.00	0.50	2.40		Pass
11a	6Mbps	1	44	5220	16.60	16.80		24.00	24.00	0.50	2.40		Pass
11a	6Mbps	1	48	5240	17.60	17.80		24.00	24.00	0.50	2.40		Pass
HT20	MCS0	1	36	5180	12.40	11.70		24.00	24.00	0.50	2.40		Pass
HT20	MCS0	1	44	5220	16.40	16.60		24.00	24.00	0.50	2.40		Pass
HT20	MCS0	1	48	5240	16.40	16.00		24.00	24.00	0.50	2.40		Pass
HT40	MCS0	1	38	5190	8.00	8.70		24.00	24.00	0.50	2.40		Pass
HT40	MCS0	1	46	5230	13.20	13.10		24.00	24.00	0.50	2.40		Pass
VHT20	MCS0	1	36	5180	12.50	11.80		24.00	24.00	0.50	2.40		Pass
VHT20	MCS0	1	44	5220	16.50	16.70		24.00	24.00	0.50	2.40		Pass
VHT20	MCS0	1	48	5240	16.50	16.10		24.00	24.00	0.50	2.40		Pass
VHT40	MCS0	1	38	5190	8.10	8.80		24.00	24.00	0.50	2.40		Pass
VHT40	MCS0	1	46	5230	13.30	13.20		24.00	24.00	0.50	2.40		Pass
VHT80	MCS0	1	42	5210	7.10	7.20		24.00	24.00	0.50	2.40		Pass

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	12.60	12.90	15.76	24.00		2.40			Pass
11a	6Mbps	2	44	5220	16.70	17.10	19.91	24.00		2.40			Pass
11a	6Mbps	2	48	5240	17.90	18.00	20.96	24.00		2.40			Pass
HT20	MCS0	2	36	5180	12.40	12.70	15.56	24.00		2.40			Pass
HT20	MCS0	2	44	5220	16.59	16.80	19.71	24.00		2.40			Pass
HT20	MCS0	2	48	5240	16.59	16.40	19.51	24.00		2.40			Pass
HT40	MCS0	2	38	5190	8.80	8.70	11.76	24.00		2.40			Pass
HT40	MCS0	2	46	5230	13.20	13.30	16.26	24.00		2.40			Pass
VHT20	MCS0	2	36	5180	12.50	12.80	15.66	24.00		2.40			Pass
VHT20	MCS0	2	44	5220	16.60	16.90	19.76	24.00		2.40			Pass
VHT20	MCS0	2	48	5240	16.60	16.50	19.56	24.00		2.40			Pass
VHT40	MCS0	2	38	5190	8.90	8.80	11.86	24.00		2.40			Pass
VHT40	MCS0	2	46	5230	13.30	13.40	16.36	24.00		2.40			Pass
VHT80	MCS0	2	42	5210	7.20	7.60	10.41	24.00		2.40			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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180			5.38	11.00		4.51		Pass
11a	6Mbps	2	44	5220			9.56	11.00		4.51		Pass
11a	6Mbps	2	48	5240			10.97	11.00		4.51		Pass
VHT20	MCS0	2	36	5180			5.32	11.00		4.51		Pass
VHT20	MCS0	2	44	5220			9.54	11.00		4.51		Pass
VHT20	MCS0	2	48	5240			9.30	11.00		4.51		Pass
VHT40	MCS0	2	38	5190			-1.27	11.00		4.51		Pass
VHT40	MCS0	2	46	5230			3.34	11.00		4.51		Pass
VHT80	MCS0	2	42	5210			-5.75	11.00		4.51		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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	19.63	19.38	42.12	40.20	23.87		29.87		23.98		
11a	6Mbps	2	60	5300	18.48	17.88	39.72	36.60	23.52		29.52		23.98		
11a	6Mbps	2	64	5320	17.78	18.23	29.17	31.23	23.50		29.50		23.98		
VHT20	MCS0	2	52	5260	20.03	19.38	44.75	43.63	23.87		29.87		23.98		
VHT20	MCS0	2	60	5300	19.18	18.33	39.42	35.72	23.63		29.63		23.98		
VHT20	MCS0	2	64	5320	18.68	18.48	39.80	38.92	23.67		29.67		23.98		
VHT40	MCS0	2	54	5270	38.16	38.56	82.96	81.04	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.86	36.76	54.79	50.83	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.48	77.08	81.44	83.20	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	17.70	17.10		23.98	23.98	0.10	2.60	26.99	Pass
11a	6Mbps	1	60	5300	14.00	14.00		23.98	23.98	0.10	2.60	26.99	Pass
11a	6Mbps	1	64	5320	11.90	12.10		23.98	23.98	0.10	2.60	26.99	Pass
HT20	MCS0	1	52	5260	16.60	16.90		23.98	23.98	0.10	2.60	26.99	Pass
HT20	MCS0	1	60	5300	14.80	14.40		23.98	23.98	0.10	2.60	26.99	Pass
HT20	MCS0	1	64	5320	12.00	12.00		23.98	23.98	0.10	2.60	26.99	Pass
HT40	MCS0	1	54	5270	13.50	13.50		23.98	23.98	0.10	2.60	26.99	Pass
HT40	MCS0	1	62	5310	9.80	9.30		23.98	23.98	0.10	2.60	26.99	Pass
VHT20	MCS0	1	52	5260	16.70	17.00		23.98	23.98	0.10	2.60	26.99	Pass
VHT20	MCS0	1	60	5300	14.90	14.50		23.98	23.98	0.10	2.60	26.99	Pass
VHT20	MCS0	1	64	5320	12.10	12.10		23.98	23.98	0.10	2.60	26.99	Pass
VHT40	MCS0	1	54	5270	13.60	13.60		23.98	23.98	0.10	2.60	26.99	Pass
VHT40	MCS0	1	62	5310	9.90	9.40		23.98	23.98	0.10	2.60	26.99	Pass
VHT80	MCS0	1	58	5290	8.70	8.50		23.98	23.98	0.10	2.60	26.99	Pass

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	18.00	17.90	20.96	23.98		2.60		26.99	Pass
11a	6Mbps	2	60	5300	13.90	14.10	17.01	23.98		2.60		26.99	Pass
11a	6Mbps	2	64	5320	12.10	12.10	15.11	23.98		2.60		26.99	Pass
HT20	MCS0	2	52	5260	16.60	17.20	19.92	23.98		2.60		26.99	Pass
HT20	MCS0	2	60	5300	14.60	15.10	17.87	23.98		2.60		26.99	Pass
HT20	MCS0	2	64	5320	12.00	12.10	15.06	23.98		2.60		26.99	Pass
HT40	MCS0	2	54	5270	13.40	13.70	16.56	23.98		2.60		26.99	Pass
HT40	MCS0	2	62	5310	9.90	9.80	12.86	23.98		2.60		26.99	Pass
VHT20	MCS0	2	52	5260	16.40	16.80	19.61	23.98		2.60		26.99	Pass
VHT20	MCS0	2	60	5300	14.70	15.20	17.97	23.98		2.60		26.99	Pass
VHT20	MCS0	2	64	5320	12.10	12.20	15.16	23.98		2.60		26.99	Pass
VHT40	MCS0	2	54	5270	13.50	13.80	16.66	23.98		2.60		26.99	Pass
VHT40	MCS0	2	62	5310	10.00	9.90	12.96	23.98		2.60		26.99	Pass
VHT80	MCS0	2	58	5290	8.60	8.80	11.71	23.98		2.60		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260			10.98	11.00		4.45		Pass
11a	6Mbps	2	60	5300			6.50	11.00		4.45		Pass
11a	6Mbps	2	64	5320			4.65	11.00		4.45		Pass
VHT20	MCS0	2	52	5260			9.61	11.00		4.45		Pass
VHT20	MCS0	2	60	5300			7.75	11.00		4.45		Pass
VHT20	MCS0	2	64	5320			4.56	11.00		4.45		Pass
VHT40	MCS0	2	54	5270			3.37	11.00		4.45		Pass
VHT40	MCS0	2	62	5310			-0.50	11.00		4.45		Pass
VHT80	MCS0	2	58	5290			-4.38	11.00		4.45		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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	17.08	17.63	26.53	29.81	23.33		29.33		23.98		----	----
11a	6Mbps	2	116	5580	17.43	17.68	34.29	39.48	23.41		29.41		23.98		----	----
11a	6Mbps	2	140	5700	17.23	17.13	22.86	22.62	23.34		29.34		23.98		----	----
VHT20	MCS0	2	100	5500	18.23	17.98	27.35	28.13	23.55		29.55		23.98		----	----
VHT20	MCS0	2	116	5580	18.68	18.38	39.06	35.02	23.64		29.64		23.98		----	----
VHT20	MCS0	2	140	5700	17.93	17.93	22.93	23.32	23.54		29.54		23.98		----	----
VHT40	MCS0	2	102	5510	36.86	36.86	50.56	49.63	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	37.26	36.86	66.23	59.34	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	37.36	38.86	67.25	65.57	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.48	76.48	81.28	81.52	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	77.08	76.60	110.77	100.94	23.98		30.00		23.98		----	----

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	10.40	11.20		23.98	23.98	1.30	3.40	26.99	Pass
11a	6Mbps	1	116	5580	17.10	17.10		23.98	23.98	1.30	3.40	26.99	Pass
11a	6Mbps	1	140	5700	11.10	11.20		23.98	23.98	1.30	3.40	26.99	Pass
HT20	MCS0	1	100	5500	12.30	12.20		23.98	23.98	1.30	3.40	26.99	Pass
HT20	MCS0	1	116	5580	16.90	16.90		23.98	23.98	1.30	3.40	26.99	Pass
HT20	MCS0	1	140	5700	9.20	9.79		23.98	23.98	1.30	3.40	26.99	Pass
HT40	MCS0	1	102	5510	10.40	9.90		23.98	23.98	1.30	3.40	26.99	Pass
HT40	MCS0	1	110	5550	15.10	15.10		23.98	23.98	1.30	3.40	26.99	Pass
HT40	MCS0	1	134	5670	13.00	12.90		23.98	23.98	1.30	3.40	26.99	Pass
VHT20	MCS0	1	100	5500	12.40	12.30		23.98	23.98	1.30	3.40	26.99	Pass
VHT20	MCS0	1	116	5580	17.00	17.00		23.98	23.98	1.30	3.40	26.99	Pass
VHT20	MCS0	1	140	5700	9.30	9.80		23.98	23.98	1.30	3.40	26.99	Pass
VHT40	MCS0	1	102	5510	10.50	10.00		23.98	23.98	1.30	3.40	26.99	Pass
VHT40	MCS0	1	110	5550	15.20	15.20		23.98	23.98	1.30	3.40	26.99	Pass
VHT40	MCS0	1	134	5670	13.10	13.00		23.98	23.98	1.30	3.40	26.99	Pass
VHT80	MCS0	1	106	5530	7.90	7.50		23.98	23.98	1.30	3.40	26.99	Pass
VHT80	MCS0	1	122	5610	14.00	13.90		23.98	23.98	1.30	3.40	26.99	Pass

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	11.20	11.20	14.21	23.98		3.40		26.99	Pass
11a	6Mbps	2	116	5580	17.10	16.70	19.91	23.98		3.40		26.99	Pass
11a	6Mbps	2	140	5700	11.40	10.80	14.12	23.98		3.40		26.99	Pass
HT20	MCS0	2	100	5500	12.30	12.30	15.31	23.98		3.40		26.99	Pass
HT20	MCS0	2	116	5580	16.90	17.10	20.01	23.98		3.40		26.99	Pass
HT20	MCS0	2	140	5700	10.00	10.00	13.01	23.98		3.40		26.99	Pass
HT40	MCS0	2	102	5510	10.60	10.20	13.41	23.98		3.40		26.99	Pass
HT40	MCS0	2	110	5550	15.30	15.00	18.16	23.98		3.40		26.99	Pass
HT40	MCS0	2	134	5670	13.20	12.90	16.06	23.98		3.40		26.99	Pass
VHT20	MCS0	2	100	5500	12.40	12.40	15.41	23.98		3.40		26.99	Pass
VHT20	MCS0	2	116	5580	16.40	16.80	19.61	23.98		3.40		26.99	Pass
VHT20	MCS0	2	140	5700	10.10	10.10	13.11	23.98		3.40		26.99	Pass
VHT40	MCS0	2	102	5510	10.70	10.30	13.51	23.98		3.40		26.99	Pass
VHT40	MCS0	2	110	5550	15.40	15.10	18.26	23.98		3.40		26.99	Pass
VHT40	MCS0	2	134	5670	13.30	13.00	16.16	23.98		3.40		26.99	Pass
VHT80	MCS0	2	106	5530	8.50	7.30	10.95	23.98		3.40		26.99	Pass
VHT80	MCS0	2	122	5610	14.10	13.90	17.01	23.98		3.40		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500			3.70	11.00		5.42		Pass
11a	6Mbps	2	116	5580			9.60	11.00		5.42		Pass
11a	6Mbps	2	140	5700			5.42	11.00		5.42		Pass
VHT20	MCS0	2	100	5500			4.88	11.00		5.42		Pass
VHT20	MCS0	2	116	5580			9.84	11.00		5.42		Pass
VHT20	MCS0	2	140	5700			2.68	11.00		5.42		Pass
VHT40	MCS0	2	102	5510			0.03	11.00		5.42		Pass
VHT40	MCS0	2	110	5550			5.17	11.00		5.42		Pass
VHT40	MCS0	2	134	5670			3.10	11.00		5.42		Pass
VHT80	MCS0	2	106	5530			-5.33	11.00		5.42		Pass
VHT80	MCS0	2	122	5610			0.78	11.00		5.42		Pass

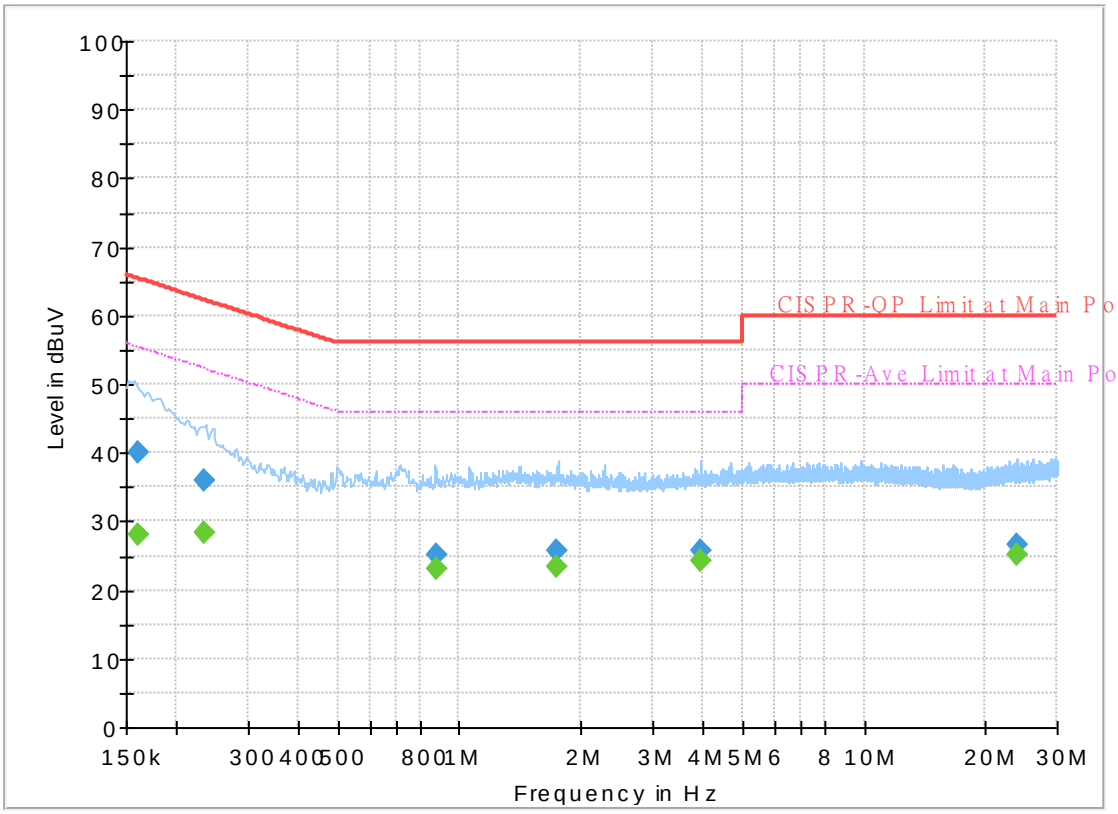
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang and Bor-Shiang Huang	**Temperature :**	21~24℃
		Relative Humidity :	40~44%

EUT Information

Report NO :	010711-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



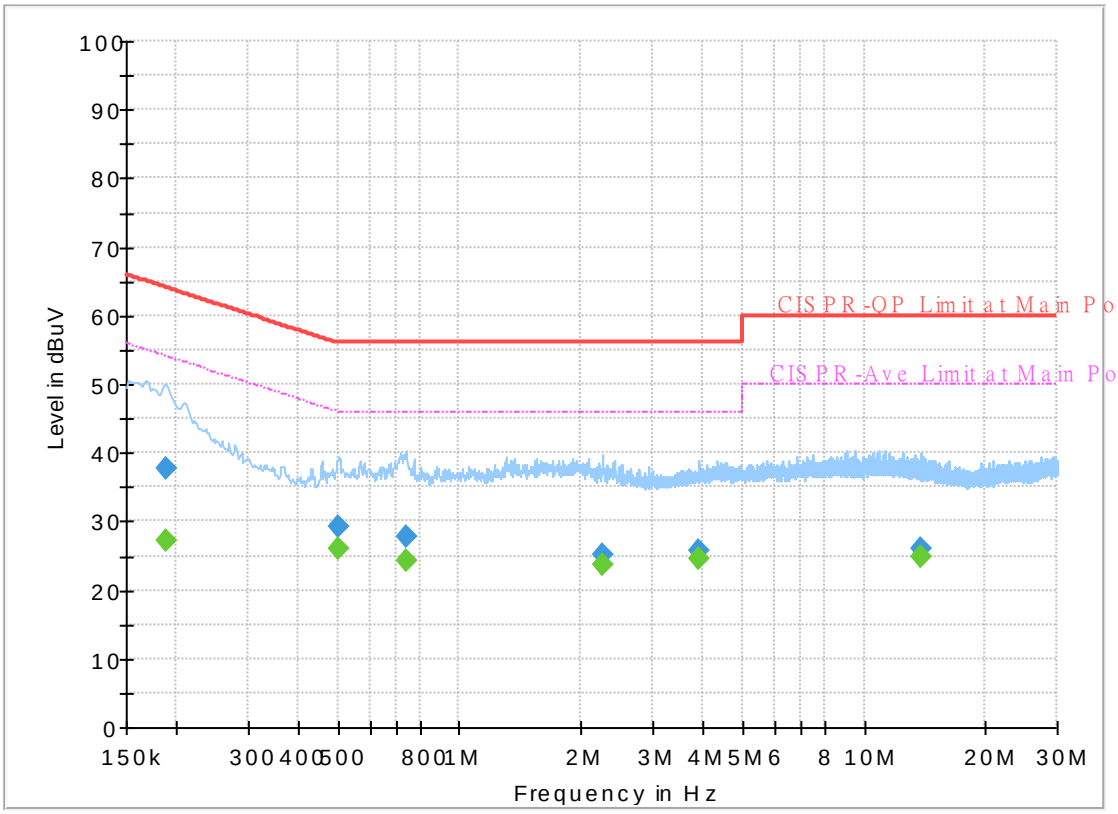
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	28.20	55.40	27.20	L1	OFF	19.4
0.161250	40.08	---	65.40	25.32	L1	OFF	19.4
0.234960	---	28.38	52.27	23.89	L1	OFF	19.4
0.234960	36.11	---	62.27	26.16	L1	OFF	19.4
0.872610	---	22.98	46.00	23.02	L1	OFF	19.5
0.872610	25.08	---	56.00	30.92	L1	OFF	19.5
1.745250	---	23.36	46.00	22.64	L1	OFF	19.6
1.745250	25.61	---	56.00	30.39	L1	OFF	19.6
3.957000	---	24.40	46.00	21.60	L1	OFF	19.6
3.957000	25.65	---	56.00	30.35	L1	OFF	19.6
23.815230	---	25.25	50.00	24.75	L1	OFF	20.3
23.815230	26.55	---	60.00	33.45	L1	OFF	20.3

EUT Information

Report NO :	010711-01
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)
0.189150	---	27.09	54.07	26.98	N	OFF	19.5
0.189150	37.70	---	64.07	26.37	N	OFF	19.5
0.501450	---	26.05	46.00	19.95	N	OFF	19.5
0.501450	29.22	---	56.00	26.78	N	OFF	19.5
0.740760	---	24.34	46.00	21.66	N	OFF	19.5
0.740760	27.87	---	56.00	28.13	N	OFF	19.5
2.264730	---	23.56	46.00	22.44	N	OFF	19.7
2.264730	25.25	---	56.00	30.75	N	OFF	19.7
3.908400	---	24.51	46.00	21.49	N	OFF	19.7
3.908400	25.60	---	56.00	30.40	N	OFF	19.7
13.845390	---	24.74	50.00	25.26	N	OFF	20.2
13.845390	25.96	---	60.00	34.04	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Andy Yang and CR Liao	Temperature :	20~25°C
		Relative Humidity :	50~60%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.38	59.29	-14.71	74	43.3	31.8	13.04	28.85	198	70	P	H
		5150	47.19	-6.81	54	31.19	31.8	13.05	28.85	198	70	A	H
	*	5180	105.15	-	-	89.25	31.68	13.09	28.87	198	70	P	H
	*	5180	97.82	-	-	81.92	31.68	13.09	28.87	198	70	A	H
													H
													H
		5136.76	68	-6	74	52.01	31.8	13.03	28.84	100	238	P	V
		5149.76	52.59	-1.41	54	36.59	31.8	13.05	28.85	100	238	A	V
	*	5180	111.83	-	-	95.93	31.68	13.09	28.87	100	238	P	V
	*	5180	104.74	-	-	88.84	31.68	13.09	28.87	100	238	A	V
													V
													V
802.11a CH 44 5220MHz		5148.72	59.69	-14.31	74	43.69	31.8	13.05	28.85	227	137	P	H
		5149.76	48.61	-5.39	54	32.61	31.8	13.05	28.85	227	137	A	H
	*	5220	110.99	-	-	95.26	31.48	13.15	28.9	227	137	P	H
	*	5220	103.6	-	-	87.87	31.48	13.15	28.9	227	137	A	H
		5448.24	53.52	-20.48	74	37.47	31.59	13.51	29.05	227	137	P	H
		5428.36	44.28	-9.72	54	28.35	31.47	13.49	29.03	227	137	A	H
		5146.38	62.15	-11.85	74	46.16	31.8	13.04	28.85	243	234	P	V
		5149.24	52.42	-1.58	54	36.42	31.8	13.05	28.85	243	234	A	V
	*	5220	115.52	-	-	99.79	31.48	13.15	28.9	243	234	P	V
	*	5220	108.48	-	-	92.75	31.48	13.15	28.9	243	234	A	V
		5368.16	55.2	-18.8	74	39.61	31.17	13.41	28.99	243	234	P	V
		5430.04	46.26	-7.74	54	30.31	31.48	13.5	29.03	243	234	A	V

802.11a CH 48 5240MHz		5137.8	57.56	-16.44	74	41.57	31.8	13.03	28.84	231	139	P	H
		5150	49.37	-4.63	54	33.37	31.8	13.05	28.85	231	139	A	H
	*	5240	114.19	-	-	98.56	31.36	13.18	28.91	231	139	P	H
	*	5240	106.22	-	-	90.59	31.36	13.18	28.91	231	139	A	H
		5448.52	55.09	-18.91	74	39.04	31.59	13.51	29.05	231	139	P	H
		5351.36	45.07	-8.93	54	29.56	31.11	13.38	28.98	231	139	A	H
		5147.16	62.31	-11.69	74	46.32	31.8	13.04	28.85	229	237	P	V
		5150	52.7	-1.3	54	36.7	31.8	13.05	28.85	229	237	A	V
	*	5240	119.19	-	-	103.56	31.36	13.18	28.91	229	237	P	V
	*	5240	111.32	-	-	95.69	31.36	13.18	28.91	229	237	A	V
		5353.88	57.52	-16.48	74	41.99	31.12	13.39	28.98	229	237	P	V
		5353.32	47.95	-6.05	54	32.43	31.11	13.39	28.98	229	237	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	53.76	-14.44	68.2	56.33	39.44	19.39	61.4	100	0	P	H
		15540	46.34	-27.66	74	45.85	37.98	23.22	60.71	100	0	P	H
													H
													H
		10360	54.39	-13.81	68.2	56.96	39.44	19.39	61.4	100	0	P	V
		15540	47.64	-26.36	74	47.15	37.98	23.22	60.71	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	52.94	-15.26	68.2	55.35	39.68	19.43	61.52	100	0	P	H
		15660	45.48	-28.52	74	45.33	37.56	23.32	60.73	100	0	P	H
													H
													H
		10440	54.61	-13.59	68.2	57.02	39.68	19.43	61.52	100	0	P	V
		15660	46.46	-27.54	74	46.31	37.56	23.32	60.73	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	54.57	-13.63	68.2	56.93	39.76	19.45	61.57	100	0	P	H
		15720	46.45	-27.55	74	46.46	37.38	23.35	60.74	100	0	P	H
													H
													H
		10480	56.36	-11.84	68.2	58.72	39.76	19.45	61.57	100	0	P	V
		15720	45.89	-28.11	74	45.9	37.38	23.35	60.74	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	70.54	-3.46	74	54.54	31.8	13.05	28.85	250	323	P	H
		5148.72	50.03	-3.97	54	34.03	31.8	13.05	28.85	250	323	A	H
	*	5180	106.4	-	-	90.5	31.68	13.09	28.87	250	323	P	H
	*	5180	97.93	-	-	82.03	31.68	13.09	28.87	250	323	A	H
802.11ac													H
VHT20													H
CH 36		5150	67.12	-6.88	74	51.12	31.8	13.05	28.85	101	58	P	V
5180MHz		5148.98	52.48	-1.52	54	36.48	31.8	13.05	28.85	101	58	A	V
	*	5180	109.97	-	-	94.07	31.68	13.09	28.87	101	58	P	V
	*	5180	101.81	-	-	85.91	31.68	13.09	28.87	101	58	A	V
													V
													V
		5145.6	58.21	-15.79	74	42.22	31.8	13.04	28.85	206	57	P	H
		5150	48.11	-5.89	54	32.11	31.8	13.05	28.85	206	57	A	H
	*	5220	109.6	-	-	93.87	31.48	13.15	28.9	206	57	P	H
	*	5220	101.02	-	-	85.29	31.48	13.15	28.9	206	57	A	H
802.11ac		5428.64	55.41	-18.59	74	39.48	31.47	13.49	29.03	206	57	P	H
VHT20		5428.36	44.1	-9.9	54	28.17	31.47	13.49	29.03	206	57	A	H
CH 44		5149.76	62.8	-11.2	74	46.8	31.8	13.05	28.85	243	235	P	V
5220MHz		5149.76	53.61	-0.39	54	37.61	31.8	13.05	28.85	243	235	A	V
	*	5220	114.22	-	-	98.49	31.48	13.15	28.9	243	235	P	V
	*	5220	106.14	-	-	90.41	31.48	13.15	28.9	243	235	A	V
		5444.04	55.14	-18.86	74	39.11	31.56	13.51	29.04	243	235	P	V
		5429.2	46.06	-7.94	54	30.12	31.48	13.49	29.03	243	235	A	V

		5149.5	56.79	-17.21	74	40.79	31.8	13.05	28.85	234	55	P	H
		5149.76	46.45	-7.55	54	30.45	31.8	13.05	28.85	234	55	A	H
	*	5240	112.65	-	-	97.02	31.36	13.18	28.91	234	55	P	H
	*	5240	104.05	-	-	88.42	31.36	13.18	28.91	234	55	A	H
802.11ac		5390.28	54.87	-19.13	74	39.17	31.26	13.45	29.01	234	55	P	H
VHT20		5388.6	45.04	-8.96	54	29.35	31.25	13.45	29.01	234	55	A	H
CH 48		5148.46	63.15	-10.85	74	47.15	31.8	13.05	28.85	229	237	P	V
5240MHz		5149.24	53.55	-0.45	54	37.55	31.8	13.05	28.85	229	237	A	V
	*	5240	117.37	-	-	101.74	31.36	13.18	28.91	229	237	P	V
	*	5240	108.86	-	-	93.23	31.36	13.18	28.91	229	237	A	V
		5359.48	57.63	-16.37	74	42.08	31.14	13.4	28.99	229	237	P	V
		5350.8	48.98	-5.02	54	33.48	31.1	13.38	28.98	229	237	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	53.48	-14.72	68.2	56.05	39.44	19.39	61.4	100	0	P	H
		15540	46.65	-27.35	74	46.16	37.98	23.22	60.71	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	54.95	-13.25	68.2	57.52	39.44	19.39	61.4	100	0	P	V
5180MHz		15540	47.01	-26.99	74	46.52	37.98	23.22	60.71	100	0	P	V
													V
													V
		10440	54.26	-13.94	68.2	56.67	39.68	19.43	61.52	100	0	P	H
		15660	45.88	-28.12	74	45.73	37.56	23.32	60.73	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	54.93	-13.27	68.2	57.34	39.68	19.43	61.52	100	0	P	V
5220MHz		15660	45.57	-28.43	74	45.42	37.56	23.32	60.73	100	0	P	V
													V
													V
		10480	53.73	-14.47	68.2	56.09	39.76	19.45	61.57	100	0	P	H
		15720	45.78	-28.22	74	45.79	37.38	23.35	60.74	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	54.45	-13.75	68.2	56.81	39.76	19.45	61.57	100	0	P	V
5240MHz		15720	45.44	-28.56	74	45.45	37.38	23.35	60.74	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.34	56.11	-17.89	74	40.12	31.8	13.04	28.85	235	137	P	H
		5148.2	47.32	-6.68	54	31.32	31.8	13.05	28.85	235	137	A	H
	*	5190	98.96	-	-	83.1	31.64	13.1	28.88	235	137	P	H
	*	5190	91.01	-	-	75.15	31.64	13.1	28.88	235	137	A	H
802.11ac		5389.72	53.66	-20.34	74	37.96	31.26	13.45	29.01	235	137	P	H
VHT40		5455.8	44.89	-9.11	54	28.81	31.61	13.52	29.05	235	137	A	H
CH 38		5145.34	59.45	-14.55	74	43.46	31.8	13.04	28.85	101	237	P	V
5190MHz		5150	51.22	-2.78	54	35.22	31.8	13.05	28.85	101	237	A	V
	*	5190	103.59	-	-	87.73	31.64	13.1	28.88	101	237	P	V
	*	5190	96.33	-	-	80.47	31.64	13.1	28.88	101	237	A	V
		5369.28	54.41	-19.59	74	38.81	31.18	13.41	28.99	101	237	P	V
		5447.4	45.06	-8.94	54	29.02	31.58	13.51	29.05	101	237	A	V
		5149.5	60.58	-13.42	74	44.58	31.8	13.05	28.85	223	317	P	H
		5150	47.37	-6.63	54	31.37	31.8	13.05	28.85	223	317	A	H
	*	5230	104.4	-	-	88.72	31.42	13.16	28.9	223	317	P	H
	*	5230	96.8	-	-	81.12	31.42	13.16	28.9	223	317	A	H
802.11ac		5441.24	54.97	-19.03	74	38.95	31.55	13.51	29.04	223	317	P	H
VHT40		5367.6	44.71	-9.29	54	29.12	31.17	13.41	28.99	223	317	A	H
CH 46		5149.24	61.1	-12.9	74	45.1	31.8	13.05	28.85	250	64	P	V
5230MHz		5148.72	49.72	-4.28	54	33.72	31.8	13.05	28.85	250	64	A	V
	*	5230	107.99	-	-	92.31	31.42	13.16	28.9	250	64	P	V
	*	5230	100.3	-	-	84.62	31.42	13.16	28.9	250	64	A	V
		5390.56	55.34	-18.66	74	39.64	31.26	13.45	29.01	250	64	P	V
		5354.72	45.78	-8.22	54	30.25	31.12	13.39	28.98	250	64	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	51.93	-16.27	68.2	54.44	39.52	19.4	61.43	100	0	P	H
		15570	45.21	-28.79	74	44.78	37.89	23.25	60.71	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	49.8	-18.4	68.2	52.31	39.52	19.4	61.43	100	0	P	V
5190MHz		15570	44.99	-29.01	74	44.56	37.89	23.25	60.71	100	0	P	V
													V
													V
		10460	51.52	-16.68	68.2	53.9	39.72	19.44	61.54	100	0	P	H
		15690	45.86	-28.14	74	45.82	37.44	23.34	60.74	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	51.21	-16.99	68.2	53.59	39.72	19.44	61.54	100	0	P	V
5230MHz		15690	45.61	-28.39	74	45.57	37.44	23.34	60.74	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5117	55.84	-18.16	74	39.86	31.8	13.01	28.83	215	324	P	H
		5146.64	49.06	-4.94	54	33.07	31.8	13.04	28.85	215	324	A	H
	*	5210	95.49	-	-	79.71	31.54	13.13	28.89	215	324	P	H
	*	5210	87.61	-	-	71.83	31.54	13.13	28.89	215	324	A	H
		5419.12	53.61	-20.39	74	37.74	31.41	13.49	29.03	215	324	P	H
		5460	45.99	-8.01	54	29.9	31.62	13.52	29.05	215	324	A	H
		5147.42	59.82	-14.18	74	43.83	31.8	13.04	28.85	255	63	P	V
		5146.38	52.07	-1.93	54	36.08	31.8	13.04	28.85	255	63	A	V
	*	5210	99.14	-	-	83.36	31.54	13.13	28.89	255	63	P	V
	*	5210	92.28	-	-	76.5	31.54	13.13	28.89	255	63	A	V
		5384.12	55.6	-18.4	74	39.92	31.24	13.44	29	255	63	P	V
		5359.48	47.45	-6.55	54	31.9	31.14	13.4	28.99	255	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	50.75	-17.45	68.2	53.18	39.64	19.42	61.49	100	0	P	H
		15630	45.21	-28.79	74	44.97	37.68	23.29	60.73	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.56	-19.64	68.2	50.99	39.64	19.42	61.49	100	0	P	V
5210MHz		15630	45.59	-28.41	74	45.35	37.68	23.29	60.73	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5144.84	54.5	-19.5	74	38.51	31.8	13.04	28.85	247	139	P	H
		5149.94	44.18	-9.82	54	28.18	31.8	13.05	28.85	247	139	A	H
	*	5260	111.11	-	-	95.53	31.28	13.22	28.92	247	139	P	H
	*	5260	104.49	-	-	88.91	31.28	13.22	28.92	247	139	A	H
		5350.08	59.16	-14.84	74	43.66	31.1	13.38	28.98	247	139	P	H
		5350.56	45.32	-8.68	54	29.82	31.1	13.38	28.98	247	139	A	H
		5149.6	56.1	-17.9	74	40.1	31.8	13.05	28.85	100	236	P	V
		5149.6	47.71	-6.29	54	31.71	31.8	13.05	28.85	100	236	A	V
	*	5260	115.92	-	-	100.34	31.28	13.22	28.92	100	236	P	V
	*	5260	109.36	-	-	93.78	31.28	13.22	28.92	100	236	A	V
		5352.24	61.65	-12.35	74	46.14	31.11	13.38	28.98	100	236	P	V
		5350.32	51.74	-2.26	54	36.24	31.1	13.38	28.98	100	236	A	V
802.11a CH 60 5300MHz		5104.38	55.48	-18.52	74	39.51	31.8	12.99	28.82	240	134	P	H
		5149.94	44.23	-9.77	54	28.23	31.8	13.05	28.85	240	134	A	H
	*	5300	107.98	-	-	92.44	31.2	13.29	28.95	240	134	P	H
	*	5300	101.13	-	-	85.59	31.2	13.29	28.95	240	134	A	H
		5355.84	58.49	-15.51	74	42.96	31.12	13.39	28.98	240	134	P	H
		5352	47.22	-6.78	54	31.71	31.11	13.38	28.98	240	134	A	H
		5042.16	54.07	-19.93	74	38.36	31.58	12.91	28.78	101	241	P	V
		5087.38	44.66	-9.34	54	28.75	31.75	12.97	28.81	101	241	A	V
	*	5300	112.55	-	-	97.01	31.2	13.29	28.95	101	241	P	V
	*	5300	105.53	-	-	89.99	31.2	13.29	28.95	101	241	A	V
		5351.28	65.11	-8.89	74	49.6	31.11	13.38	28.98	101	241	P	V
		5350.08	52.32	-1.68	54	36.82	31.1	13.38	28.98	101	241	A	V

802.11a CH 64 5320MHz	*	5320	106.23	-	-	90.7	31.16	13.33	28.96	225	140	P	H
	*	5320	99.01	-	-	83.48	31.16	13.33	28.96	225	140	A	H
		5350.08	61.6	-12.4	74	46.1	31.1	13.38	28.98	225	140	P	H
		5350.4	46.73	-7.27	54	31.23	31.1	13.38	28.98	225	140	A	H
													H
													H
	*	5320	111.1	-	-	95.57	31.16	13.33	28.96	105	239	P	V
	*	5320	103.96	-	-	88.43	31.16	13.33	28.96	105	239	A	V
		5359.36	65.87	-8.13	74	50.32	31.14	13.4	28.99	105	239	P	V
		5350.24	51.54	-2.46	54	36.04	31.1	13.38	28.98	105	239	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	53.24	-14.96	68.2	55.55	39.8	19.49	61.6	100	0	P	H
		15780	45.34	-28.66	74	45.38	37.32	23.4	60.76	100	0	P	H
													H
													H
		10520	54.47	-13.73	68.2	56.78	39.8	19.49	61.6	100	0	P	V
		15780	45.42	-28.58	74	45.46	37.32	23.4	60.76	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	56.04	-17.96	74	58.31	39.8	19.53	61.6	170	142	P	H
		10600	51.6	-2.4	54	53.87	39.8	19.53	61.6	170	142	A	H
		15900	45.14	-28.86	74	44.93	37.5	23.49	60.78	100	0	P	H
													H
		10600	56.82	-17.18	74	59.09	39.8	19.53	61.6	350	120	P	V
		10600	48.81	-5.19	54	51.08	39.8	19.53	61.6	350	120	A	V
		15900	44.82	-29.18	74	44.61	37.5	23.49	60.78	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	56.63	-17.37	74	58.88	39.8	19.55	61.6	166	142	P	H
		10640	52.85	-1.15	54	55.1	39.8	19.55	61.6	166	142	A	H
		15960	45.57	-28.43	74	45.51	37.32	23.53	60.79	100	0	P	H
													H
		10640	55.82	-18.18	74	58.07	39.8	19.55	61.6	348	120	P	V
		10640	48.17	-5.83	54	50.42	39.8	19.55	61.6	348	120	A	V
		15960	45	-29	74	44.94	37.32	23.53	60.79	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5017.68	53.29	-20.71	74	37.63	31.54	12.88	28.76	250	142	P	H
		5148.92	43.72	-10.28	54	27.72	31.8	13.05	28.85	250	142	A	H
	*	5260	109.19	-	-	93.61	31.28	13.22	28.92	250	142	P	H
	*	5260	102.25	-	-	86.67	31.28	13.22	28.92	250	142	A	H
802.11ac		5357.76	55.03	-18.97	74	39.5	31.13	13.39	28.99	250	142	P	H
VHT20		5350.8	45.33	-8.67	54	29.83	31.1	13.38	28.98	250	142	A	H
CH 52		5147.9	56.14	-17.86	74	40.15	31.8	13.04	28.85	100	238	P	V
5260MHz		5149.94	47.59	-6.41	54	31.59	31.8	13.05	28.85	100	238	A	V
	*	5260	114.19	-	-	98.61	31.28	13.22	28.92	100	238	P	V
	*	5260	106.88	-	-	91.3	31.28	13.22	28.92	100	238	A	V
		5350.08	61.34	-12.66	74	45.84	31.1	13.38	28.98	100	238	P	V
		5350.08	50.96	-3.04	54	35.46	31.1	13.38	28.98	100	238	A	V
		5074.8	54.58	-19.42	74	38.73	31.7	12.95	28.8	233	324	P	H
		5149.26	44.38	-9.62	54	28.38	31.8	13.05	28.85	233	324	A	H
	*	5300	107.75	-	-	92.21	31.2	13.29	28.95	233	324	P	H
	*	5300	99.62	-	-	84.08	31.2	13.29	28.95	233	324	A	H
802.11ac		5350.32	59.51	-14.49	74	44.01	31.1	13.38	28.98	233	324	P	H
VHT20		5350.08	48.46	-5.54	54	32.96	31.1	13.38	28.98	233	324	A	H
CH 60		5108.46	55.38	-18.62	74	39.4	31.8	13	28.82	252	68	P	V
5300MHz		5149.26	44.9	-9.1	54	28.9	31.8	13.05	28.85	252	68	A	V
	*	5300	113.62	-	-	98.08	31.2	13.29	28.95	252	68	P	V
	*	5300	104.83	-	-	89.29	31.2	13.29	28.95	252	68	A	V
		5353.2	63.09	-10.91	74	47.57	31.11	13.39	28.98	252	68	P	V
		5351.52	53.01	-0.99	54	37.5	31.11	13.38	28.98	252	68	A	V

	*	5320	104.67	-	-	89.14	31.16	13.33	28.96	233	137	P	H
	*	5320	96.59	-	-	81.06	31.16	13.33	28.96	233	137	A	H
		5357.92	60.11	-13.89	74	44.58	31.13	13.39	28.99	233	137	P	H
		5356.8	46.21	-7.79	54	30.68	31.13	13.39	28.99	233	137	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	109.27	-	-	93.74	31.16	13.33	28.96	100	235	P	V
5320MHz	*	5320	101.47	-	-	85.94	31.16	13.33	28.96	100	235	A	V
		5354.08	69.24	-4.76	74	53.71	31.12	13.39	28.98	100	235	P	V
		5350.72	52.14	-1.86	54	36.64	31.1	13.38	28.98	100	235	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	52.55	-15.65	68.2	54.86	39.8	19.49	61.6	100	0	P	H
		15780	44.72	-29.28	74	44.76	37.32	23.4	60.76	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	54.02	-14.18	68.2	56.33	39.8	19.49	61.6	100	0	P	V
5260MHz		15780	44.38	-29.62	74	44.42	37.32	23.4	60.76	100	0	P	V
													V
													V
		10600	57.89	-16.11	74	60.16	39.8	19.53	61.6	244	127	P	H
		10600	51.89	-2.11	54	54.16	39.8	19.53	61.6	244	127	A	H
802.11ac		15900	45.6	-28.4	74	45.39	37.5	23.49	60.78	100	0	P	H
VHT20													H
CH 60		10600	56.84	-17.16	74	59.11	39.8	19.53	61.6	205	126	P	V
5300MHz		10600	48.14	-5.86	54	50.41	39.8	19.53	61.6	205	126	A	V
		15900	45.68	-28.32	74	45.47	37.5	23.49	60.78	100	0	P	V
													V
		10640	56.54	-17.46	74	58.79	39.8	19.55	61.6	166	142	P	H
		10640	52.58	-1.42	54	54.83	39.8	19.55	61.6	166	142	A	H
802.11ac		15960	45.15	-28.85	74	45.09	37.32	23.53	60.79	100	0	P	H
VHT20													H
CH 64		10640	54.86	-19.14	74	57.11	39.8	19.55	61.6	312	117	P	V
5320MHz		10640	47.91	-6.09	54	50.16	39.8	19.55	61.6	312	117	A	V
		15960	45.08	-28.92	74	45.02	37.32	23.53	60.79	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5116.62	54.21	-19.79	74	38.23	31.8	13.01	28.83	208	319	P	H
		5125.46	45.54	-8.46	54	29.55	31.8	13.02	28.83	208	319	A	H
	*	5270	103.99	-	-	88.42	31.26	13.24	28.93	208	319	P	H
	*	5270	96.28	-	-	80.71	31.26	13.24	28.93	208	319	A	H
802.11ac		5360.4	61.19	-12.81	74	45.64	31.14	13.4	28.99	208	319	P	H
VHT40		5351.28	47.43	-6.57	54	31.92	31.11	13.38	28.98	208	319	A	H
CH 54		5132.94	56.11	-17.89	74	40.12	31.8	13.03	28.84	252	62	P	V
5270MHz		5149.26	45.93	-8.07	54	29.93	31.8	13.05	28.85	252	62	A	V
	*	5270	108.22	-	-	92.65	31.26	13.24	28.93	252	62	P	V
	*	5270	100.66	-	-	85.09	31.26	13.24	28.93	252	62	A	V
		5363.28	65.09	-8.91	74	49.53	31.15	13.4	28.99	252	62	P	V
		5358.72	51.49	-2.51	54	35.95	31.13	13.4	28.99	252	62	A	V
		5040.46	54.19	-19.81	74	38.48	31.58	12.91	28.78	246	142	P	H
		5124.1	45.54	-8.46	54	29.55	31.8	13.02	28.83	246	142	A	H
	*	5310	99.9	-	-	84.36	31.18	13.31	28.95	246	142	P	H
	*	5310	91.87	-	-	76.33	31.18	13.31	28.95	246	142	A	H
802.11ac		5385.12	54.98	-19.02	74	39.3	31.24	13.44	29	246	142	P	H
VHT40		5356.56	45.94	-8.06	54	30.41	31.13	13.39	28.99	246	142	A	H
CH 62		5000.34	55.34	-18.66	74	39.73	31.5	12.86	28.75	103	238	P	V
5310MHz		5089.76	45.34	-8.66	54	29.42	31.76	12.97	28.81	103	238	A	V
	*	5310	104.51	-	-	88.97	31.18	13.31	28.95	103	238	P	V
	*	5310	97.28	-	-	81.74	31.18	13.31	28.95	103	238	A	V
		5351.04	64.78	-9.22	74	49.28	31.1	13.38	28.98	103	238	P	V
		5350.56	50.86	-3.14	54	35.36	31.1	13.38	28.98	103	238	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	51.25	-16.95	68.2	53.55	39.8	19.5	61.6	100	0	P	H
		15810	45.29	-28.71	74	45.31	37.32	23.42	60.76	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	50.56	-17.64	68.2	52.86	39.8	19.5	61.6	100	0	P	V
5270MHz		15810	45.46	-28.54	74	45.48	37.32	23.42	60.76	100	0	P	V
													V
													V
		10620	55.42	-18.58	74	57.68	39.8	19.54	61.6	170	142	P	H
		10620	52.27	-1.73	54	54.53	39.8	19.54	61.6	170	142	A	H
802.11ac		15930	44.23	-29.77	74	44.1	37.41	23.51	60.79	100	0	P	H
VHT40													H
CH 62		10620	49.18	-24.82	74	51.44	39.8	19.54	61.6	100	0	P	V
5310MHz		15930	44.32	-29.68	74	44.19	37.41	23.51	60.79	100	0	P	V
												P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5105.74	55.01	-18.99	74	39.04	31.8	12.99	28.82	209	319	P	H
		5146.2	46.88	-7.12	54	30.89	31.8	13.04	28.85	209	319	A	H
	*	5290	97.86	-	-	82.31	31.22	13.27	28.94	209	319	P	H
	*	5290	90.3	-	-	74.75	31.22	13.27	28.94	209	319	A	H
		5442	54.88	-19.12	74	38.86	31.55	13.51	29.04	209	319	P	H
		5352.96	47.46	-6.54	54	31.94	31.11	13.39	28.98	209	319	A	H
		5069.02	55.18	-18.82	74	39.35	31.68	12.95	28.8	237	62	P	V
		5144.84	47.8	-6.2	54	31.81	31.8	13.04	28.85	237	62	A	V
	*	5290	102.02	-	-	86.47	31.22	13.27	28.94	237	62	P	V
	*	5290	94.64	-	-	79.09	31.22	13.27	28.94	237	62	A	V
		5352.24	58.45	-15.55	74	42.94	31.11	13.38	28.98	237	62	P	V
		5350.56	51.44	-2.56	54	35.94	31.1	13.38	28.98	237	62	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	52.99	-15.21	68.2	55.27	39.8	19.52	61.6	100	0	P	H
		15870	45.53	-28.47	74	45.39	37.44	23.47	60.77	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	49.68	-18.52	68.2	51.96	39.8	19.52	61.6	100	0	P	V
5290MHz		15870	46.99	-27.01	74	46.85	37.44	23.47	60.77	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.76	57.69	-16.31	74	41.6	31.62	13.52	29.05	236	126	P	H
		5469.36	57.72	-10.48	68.2	41.61	31.64	13.53	29.06	236	126	P	H
		5450.64	45.15	-8.85	54	29.09	31.6	13.51	29.05	236	126	A	H
	*	5500	103.74	-	-	87.56	31.7	13.56	29.08	236	126	P	H
	*	5500	96.42	-	-	80.24	31.7	13.56	29.08	236	126	A	H
													H
		5458.64	64.72	-9.28	74	48.63	31.62	13.52	29.05	100	238	P	V
		5465.52	66.75	-1.45	68.2	50.65	31.63	13.53	29.06	100	238	P	V
		5458.48	49.28	-4.72	54	33.19	31.62	13.52	29.05	100	238	A	V
	*	5500	111.57	-	-	95.39	31.7	13.56	29.08	100	238	P	V
	*	5500	104.28	-	-	88.1	31.7	13.56	29.08	100	238	A	V
													V
802.11a CH 116 5580MHz		5435.44	54.46	-19.54	74	38.49	31.51	13.5	29.04	319	79	P	H
		5468.56	54.7	-13.5	68.2	38.59	31.64	13.53	29.06	319	79	P	H
		5428.96	45.01	-8.99	54	29.08	31.47	13.49	29.03	319	79	A	H
	*	5580	112.53	-	-	96.31	31.66	13.62	29.06	319	79	P	H
	*	5580	104.9	-	-	88.68	31.66	13.62	29.06	319	79	A	H
		5739.8	54.35	-13.85	68.2	37.66	31.94	13.77	29.02	319	79	P	H
		5424.64	57.33	-16.67	74	41.42	31.45	13.49	29.03	100	236	P	V
		5464.48	56.46	-11.74	68.2	40.37	31.63	13.52	29.06	100	236	P	V
		5428.96	48.08	-5.92	54	32.15	31.47	13.49	29.03	100	236	A	V
	*	5580	120.3	-	-	104.08	31.66	13.62	29.06	100	236	P	V
	*	5580	112.15	-	-	95.93	31.66	13.62	29.06	100	236	A	V
		5728.46	56.83	-11.37	68.2	40.23	31.87	13.76	29.03	100	236	P	V

802.11a CH 140 5700MHz	*	5700	104.31	-	-	87.91	31.7	13.73	29.03	250	52	P	H
	*	5700	97.15	-	-	80.75	31.7	13.73	29.03	250	52	A	H
		5730.6	60.68	-7.52	68.2	44.06	31.88	13.76	29.02	250	52	P	H
													H
													H
													H
	*	5700	111.21	-	-	94.81	31.7	13.73	29.03	100	235	P	V
	*	5700	103.76	-	-	87.36	31.7	13.73	29.03	100	235	A	V
		5725.8	66.75	-1.45	68.2	50.18	31.85	13.75	29.03	100	235	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	56.24	-17.76	74	57.99	40.1	19.75	61.6	156	142	P	H
		11000	52.23	-1.77	54	53.98	40.1	19.75	61.6	156	142	A	H
		16500	46.77	-21.43	68.2	43.55	39	24.32	60.1	100	0	P	H
													H
		11000	54.07	-19.93	74	55.82	40.1	19.75	61.6	200	117	P	V
		11000	48.03	-5.97	54	49.78	40.1	19.75	61.6	200	117	A	V
		16500	46.99	-21.21	68.2	43.77	39	24.32	60.1	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	55.54	-18.46	74	57.32	39.82	19.87	61.47	160	141	P	H
		11160	50.54	-3.46	54	52.32	39.82	19.87	61.47	160	141	A	H
		16740	50.55	-17.65	68.2	46.27	39.74	24.69	60.15	100	0	P	H
													H
		11160	56.12	-17.88	74	57.9	39.82	19.87	61.47	200	122	P	V
		11160	49.01	-4.99	54	50.79	39.82	19.87	61.47	200	122	A	V
		16740	49.08	-19.12	68.2	44.8	39.74	24.69	60.15	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	49.98	-24.02	74	51.22	40	20.04	61.28	100	0	P	H
		17100	49.15	-19.05	68.2	43.54	40.4	25.11	59.9	100	0	P	H
													H
													H
		11400	49.02	-24.98	74	50.26	40	20.04	61.28	100	0	P	V
		17100	48.46	-19.74	68.2	42.85	40.4	25.11	59.9	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.64	59.93	-14.07	74	43.84	31.62	13.52	29.05	348	148	P	H
		5468.72	59.62	-8.58	68.2	43.51	31.64	13.53	29.06	348	148	P	H
		5460	45.32	-8.68	54	29.23	31.62	13.52	29.05	348	148	A	H
	*	5500	103.69	-	-	87.51	31.7	13.56	29.08	348	148	P	H
802.11ac	*	5500	95.61	-	-	79.43	31.7	13.56	29.08	348	148	A	H
VHT20													H
CH 100		5453.36	60.32	-13.68	74	44.24	31.61	13.52	29.05	246	63	P	V
5500MHz		5464.08	64.89	-3.31	68.2	48.8	31.63	13.52	29.06	246	63	P	V
		5458.32	49.3	-4.7	54	33.21	31.62	13.52	29.05	246	63	A	V
	*	5500	110.81	-	-	94.63	31.7	13.56	29.08	246	63	P	V
	*	5500	102.49	-	-	86.31	31.7	13.56	29.08	246	63	A	V
													V
		5428.72	54.43	-19.57	74	38.5	31.47	13.49	29.03	238	17	P	H
		5460.4	54.08	-14.12	68.2	37.99	31.62	13.52	29.05	238	17	P	H
		5432.08	44.46	-9.54	54	28.51	31.49	13.5	29.04	238	17	A	H
	*	5580	110.59	-	-	94.37	31.66	13.62	29.06	238	17	P	H
802.11ac	*	5580	102.6	-	-	86.38	31.66	13.62	29.06	238	17	A	H
VHT20		5748.305	54.41	-13.79	68.2	37.67	31.99	13.77	29.02	238	17	P	H
CH 116		5458.96	56.03	-17.97	74	39.94	31.62	13.52	29.05	100	234	P	V
5580MHz		5468.08	56.11	-12.09	68.2	40	31.64	13.53	29.06	100	234	P	V
		5459.92	46.6	-7.4	54	30.51	31.62	13.52	29.05	100	234	A	V
	*	5580	118.25			102.03	31.66	13.62	29.06	100	234	P	V
	*	5580	110			93.78	31.66	13.62	29.06	100	234	A	V
		5730.98	56.02	-12.18	68.2	39.39	31.89	13.76	29.02	100	234	P	V

	*	5700	101.73	-	-	85.33	31.7	13.73	29.03	308	54	P	H
	*	5700	93.97	-	-	77.57	31.7	13.73	29.03	308	54	A	H
		5754.52	56.81	-11.39	68.2	40.05	32	13.78	29.02	308	54	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	108.58	-	-	92.18	31.7	13.73	29.03	100	242	P	V
5700MHz	*	5700	100.42	-	-	84.02	31.7	13.73	29.03	100	242	A	V
		5725.64	66.7	-1.5	68.2	50.13	31.85	13.75	29.03	100	242	P	V
													V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	55.13	-18.87	74	56.88	40.1	19.75	61.6	150	148	P	H
		11000	50.8	-3.2	54	52.55	40.1	19.75	61.6	150	148	A	H
802.11ac		16500	47.63	-20.57	68.2	44.41	39	24.32	60.1	100	0	P	H
VHT20													H
CH 100		11000	55.86	-18.14	74	57.61	40.1	19.75	61.6	228	124	P	V
5500MHz		11000	49.24	-4.76	54	50.99	40.1	19.75	61.6	228	124	A	V
		16500	48.66	-19.54	68.2	45.44	39	24.32	60.1	100	0	P	V
													V
		11160	54.33	-19.67	74	56.11	39.82	19.87	61.47	100	144	P	H
		11160	49.69	-4.31	54	51.47	39.82	19.87	61.47	100	144	A	H
802.11ac		16740	49.58	-18.62	68.2	45.3	39.74	24.69	60.15	100	0	P	H
VHT20													H
CH 116		11160	55.92	-18.08	74	57.7	39.82	19.87	61.47	200	124	P	V
5580MHz		11160	48.15	-5.85	54	49.93	39.82	19.87	61.47	200	124	A	V
		16740	48.79	-19.41	68.2	44.51	39.74	24.69	60.15	100	0	P	V
													V
		11400	49.94	-24.06	74	51.18	40	20.04	61.28	100	0	P	H
		17100	49.6	-18.6	68.2	43.99	40.4	25.11	59.9	100	0	P	H
802.11ac		17857	55.93	-18.07	74	41.43	46.38	25.39	57.27	100	0	P	H
VHT20		17857	45.26	-8.74	54	30.76	46.38	25.39	57.27	100	0	A	H
CH 140		11400	48.99	-25.01	74	50.23	40	20.04	61.28	100	0	P	V
5700MHz		17100	49.18	-19.02	68.2	43.57	40.4	25.11	59.9	100	0	P	V
		17835	56.29	-17.71	74	42.3	45.97	25.38	57.36	100	0	P	V
		17835	45.07	-8.93	54	31.08	45.97	25.38	57.36	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5453.68	56.08	-17.92	74	40	31.61	13.52	29.05	243	16	P	H
		5469.28	60.8	-7.4	68.2	44.69	31.64	13.53	29.06	243	16	P	H
		5459.92	46.18	-7.82	54	30.09	31.62	13.52	29.05	243	16	A	H
	*	5510	99.59	-	-	83.43	31.68	13.56	29.08	243	16	P	H
802.11ac	*	5510	91.76	-	-	75.6	31.68	13.56	29.08	243	16	A	H
VHT40		5759.015	55.06	-13.14	68.2	38.3	32	13.78	29.02	243	16	P	H
CH 102		5458	58.92	-15.08	74	42.83	31.62	13.52	29.05	247	238	P	V
5510MHz		5469.28	65.81	-2.39	68.2	49.7	31.64	13.53	29.06	247	238	P	V
		5459.92	50.8	-3.2	54	34.71	31.62	13.52	29.05	247	238	A	V
	*	5510	106.45	-	-	90.29	31.68	13.56	29.08	247	238	P	V
	*	5510	98.41	-	-	82.25	31.68	13.56	29.08	247	238	A	V
		5726.885	56.3	-11.9	68.2	39.72	31.86	13.75	29.03	247	238	P	V
		5450.32	58.42	-15.58	74	42.36	31.6	13.51	29.05	240	16	P	H
		5469.28	62.7	-5.5	68.2	46.59	31.64	13.53	29.06	240	16	P	H
		5459.2	47.3	-6.7	54	31.21	31.62	13.52	29.05	240	16	A	H
	*	5550	104.63	-	-	88.5	31.6	13.6	29.07	240	16	P	H
802.11ac	*	5550	96.84	-	-	80.71	31.6	13.6	29.07	240	16	A	H
VHT40		5760.905	56.28	-11.92	68.2	39.52	32	13.78	29.02	240	16	P	H
CH 110		5449.6	61.62	-12.38	74	45.56	31.6	13.51	29.05	245	232	P	V
5550MHz		5470	66.13	-2.07	68.2	50.02	31.64	13.53	29.06	245	232	P	V
		5458.72	51.98	-2.02	54	35.89	31.62	13.52	29.05	245	232	A	V
	*	5550	110.83	-	-	94.7	31.6	13.6	29.07	245	232	P	V
	*	5550	103.26	-	-	87.13	31.6	13.6	29.07	245	232	A	V
		5761.22	55.85	-12.35	68.2	39.08	32	13.79	29.02	245	232	P	V

		5441	54.07	-19.93	74	38.06	31.55	13.5	29.04	100	240	P	V
		5469.35	53.49	-14.71	68.2	37.38	31.64	13.53	29.06	100	240	P	V
		5434	45	-9	54	29.04	31.5	13.5	29.04	100	240	A	V
	*	5670	107.87	-	-	91.57	31.64	13.7	29.04	100	240	P	V
802.11ac	*	5670	100.46	-	-	84.16	31.64	13.7	29.04	100	240	A	V
VHT40		5726.325	67.77	-0.43	68.2	51.19	31.86	13.75	29.03	100	240	P	V
CH 134		5434	54.27	-19.73	74	38.31	31.5	13.5	29.04	309	53	P	H
5670MHz		5461.3	53.34	-14.86	68.2	37.25	31.62	13.52	29.05	309	53	P	H
		5455	44.57	-9.43	54	28.49	31.61	13.52	29.05	309	53	A	H
	*	5670	102.71	-	-	86.41	31.64	13.7	29.04	309	53	P	H
	*	5670	94.97	-	-	78.67	31.64	13.7	29.04	309	53	A	H
		5726.85	62.69	-5.51	68.2	46.11	31.86	13.75	29.03	309	53	P	H
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	55.53	-18.47	74	57.27	40.08	19.76	61.58	159	141	P	H
		11020	52.54	-1.46	54	54.28	40.08	19.76	61.58	159	141	A	H
802.11ac		16530	48.14	-20.06	68.2	44.77	39.12	24.36	60.11	100	0	P	H
VHT40													H
CH 102		11020	49.94	-24.06	74	51.68	40.08	19.76	61.58	100	0	P	V
5510MHz		16530	47.58	-20.62	68.2	44.21	39.12	24.36	60.11	100	0	P	V
												P	V
													V
		11100	55.27	-18.73	74	56.97	40	19.82	61.52	100	145	P	H
		11100	51.84	-2.16	54	53.54	40	19.82	61.52	100	145	A	H
802.11ac		16650	48.08	-20.12	68.2	44.22	39.45	24.54	60.13	100	0	P	H
VHT40													H
CH 110		11100	54.18	-19.82	74	55.88	40	19.82	61.52	206	121	P	V
5550MHz		11100	48.92	-5.08	54	50.62	40	19.82	61.52	206	121	A	V
		16650	48.51	-19.69	68.2	44.65	39.45	24.54	60.13	100	0	P	V
													V
		11340	53.31	-20.69	74	54.82	39.82	20	61.33	100	144	P	H
		11340	47.89	-6.11	54	49.4	39.82	20	61.33	100	144	A	H
802.11ac		17010	49.59	-18.61	68.2	44.19	40.49	25.08	60.17	100	0	P	H
VHT40													H
CH 134		11340	48.62	-25.38	74	50.13	39.82	20	61.33	100	0	P	V
5670MHz		17010	49.06	-19.14	68.2	43.66	40.49	25.08	60.17	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5447.68	56.28	-17.72	74	40.23	31.59	13.51	29.05	217	51	P	H
		5465.68	56.69	-11.51	68.2	40.59	31.63	13.53	29.06	217	51	P	H
		5456.32	48.15	-5.85	54	32.07	31.61	13.52	29.05	217	51	A	H
	*	5530	95.23	-	-	79.08	31.64	13.58	29.07	217	51	P	H
802.11ac	*	5530	88.28	-	-	72.13	31.64	13.58	29.07	217	51	A	H
VHT80		5748.935	55.28	-12.92	68.2	38.54	31.99	13.77	29.02	217	51	P	H
CH 106		5459.68	61.94	-12.06	74	45.85	31.62	13.52	29.05	100	235	P	V
5530MHz		5468.8	62.13	-6.07	68.2	46.02	31.64	13.53	29.06	100	235	P	V
		5459.68	53.53	-0.47	54	37.44	31.62	13.52	29.05	100	235	A	V
	*	5530	100.39	-	-	84.24	31.64	13.58	29.07	100	235	P	V
	*	5530	92.88	-	-	76.73	31.64	13.58	29.07	100	235	A	V
		5725	56.78	-11.42	68.2	40.21	31.85	13.75	29.03	100	235	P	V
		5426.8	55.81	-18.19	74	39.89	31.46	13.49	29.03	250	15	P	H
		5465.68	56.93	-11.27	68.2	40.83	31.63	13.53	29.06	250	15	P	H
		5457.04	47.86	-6.14	54	31.78	31.61	13.52	29.05	250	15	A	H
	*	5610	101.13	-	-	84.85	31.68	13.65	29.05	250	15	P	H
802.11ac	*	5610	93.5	-	-	77.22	31.68	13.65	29.05	250	15	A	H
VHT80		5730.98	57.77	-10.43	68.2	41.14	31.89	13.76	29.02	250	15	P	H
CH 122		5453.68	60.89	-13.11	74	44.81	31.61	13.52	29.05	250	239	P	V
5610MHz		5465.92	61.39	-6.81	68.2	45.29	31.63	13.53	29.06	250	239	P	V
		5459.44	52.35	-1.65	54	36.26	31.62	13.52	29.05	250	239	A	V
	*	5610	107.24	-	-	90.96	31.68	13.65	29.05	250	239	P	V
	*	5610	100.01	-	-	83.73	31.68	13.65	29.05	250	239	A	V
		5727.2	62.29	-5.91	68.2	45.71	31.86	13.75	29.03	250	239	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	54.62	-19.38	74	56.34	40.04	19.79	61.55	100	144	P	H
		11060	50.57	-3.43	54	52.29	40.04	19.79	61.55	100	144	A	H
802.11ac		16590	48.43	-19.77	68.2	44.74	39.36	24.45	60.12	100	0	P	H
VHT80													H
CH 106		11060	49.46	-24.54	74	51.18	40.04	19.79	61.55	100	0	P	V
5530MHz		16590	49.19	-19.01	68.2	45.5	39.36	24.45	60.12	100	0	P	V
												P	V
													V
		11220	53.1	-20.9	74	54.91	39.7	19.91	61.42	100	143	P	H
		11220	48.99	-5.01	54	50.8	39.7	19.91	61.42	100	143	A	H
802.11ac		16830	49.09	-19.11	68.2	44.19	40.25	24.82	60.17	100	0	P	H
VHT80													H
CH 122		11220	48.62	-25.38	74	50.43	39.7	19.91	61.42	100	0	P	V
5610MHz		16830	50.23	-17.97	68.2	45.33	40.25	24.82	60.17	100	0	P	V
												P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

5GHz WIFI 802.11ac VHT20 (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		21718	38.63	-29.57	68.2	42.24	37.96	11.89	53.46	150	0	P	H
		31574	40.53	-33.47	74	39.16	40.14	16.71	55.48	150	0	P	H
													H
													H
													H
5GHz													H
802.11ac													H
VHT20		23808	41.23	-32.77	74	41.78	40.13	12.62	53.3	150	0	P	V
SHF		33158	43.2	-25	68.2	38.98	40.62	17.76	54.16	150	0	P	V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT20 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		99.84	24.97	-18.53	43.5	39.8	16.22	1.55	32.6	-	-	P	H
		191.99	26.6	-16.9	43.5	42.2	15.01	2.28	32.89	-	-	P	H
		239.52	29.44	-16.56	46	42.66	16.95	2.6	32.77	-	-	P	H
		335.55	32.06	-13.94	46	41.68	19.79	3.08	32.49	-	-	P	H
		431.58	31.91	-14.09	46	38.17	22.68	3.52	32.46	-	-	P	H
		730.34	39.6	-6.4	46	40.18	27.31	4.65	32.54	100	0	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT20		51.34	33.77	-6.23	40	51.5	14.12	0.99	32.84	100	0	P	V
LF		95.96	21.11	-22.39	43.5	36.59	15.64	1.5	32.62	-	-	P	V
		191.99	23.35	-20.15	43.5	38.95	15.01	2.28	32.89	-	-	P	V
		335.55	25.89	-20.11	46	35.51	19.79	3.08	32.49	-	-	P	V
		431.58	25.79	-20.21	46	32.05	22.68	3.52	32.46	-	-	P	V
		733.25	39.08	-6.92	46	39.48	27.49	4.66	32.55	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

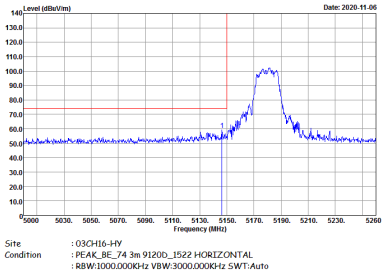
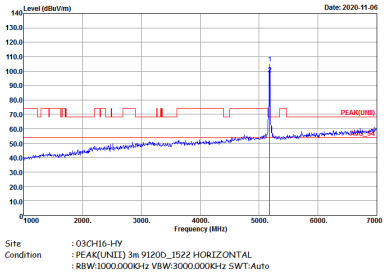
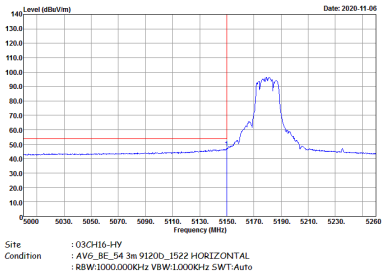
Test Engineer :	Andy Yang and CR Liao	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

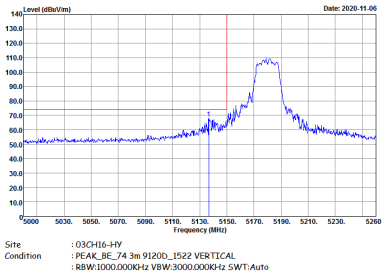
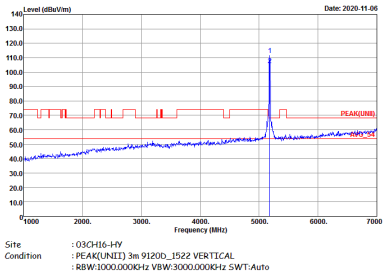
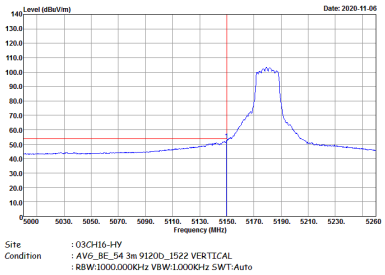
Note symbol

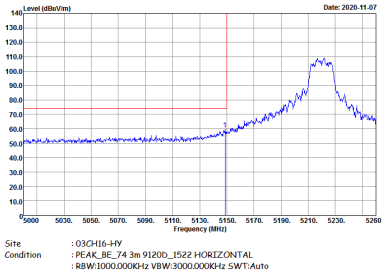
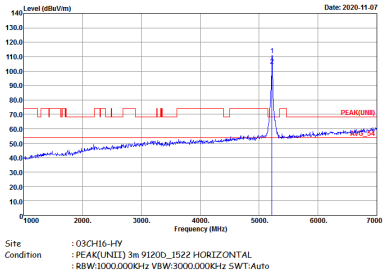
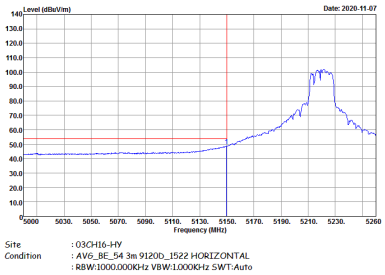
-L	**Low channel location**
-R	**High channel location**

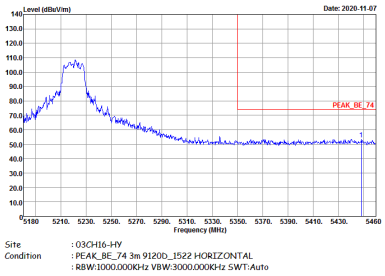
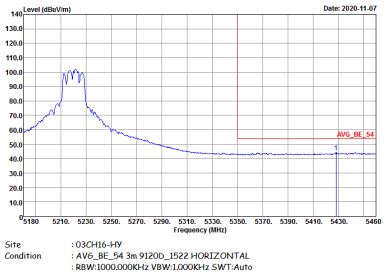
Band 1 - 5150~5250MHz

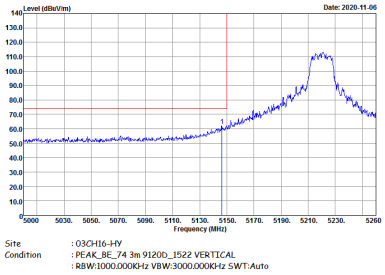
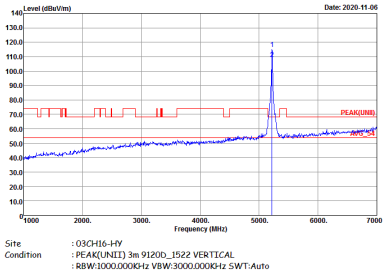
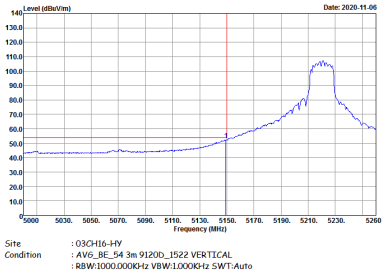
WIFI 802.11a (Band Edge @ 3m)

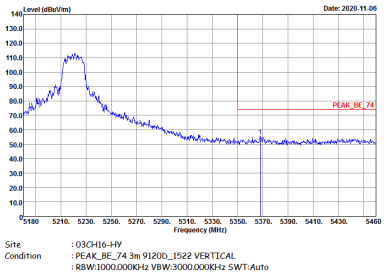
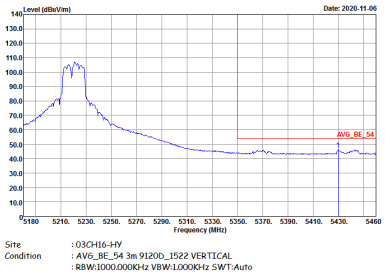
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

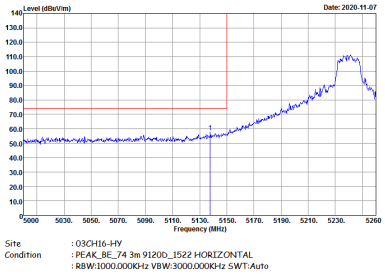
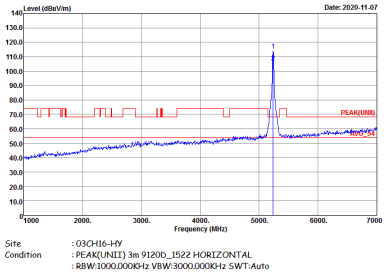
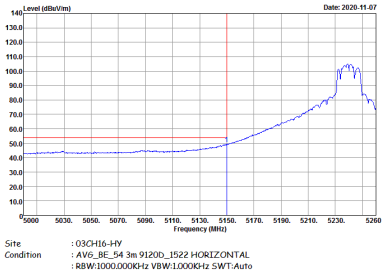
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

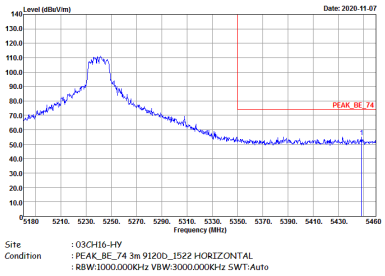
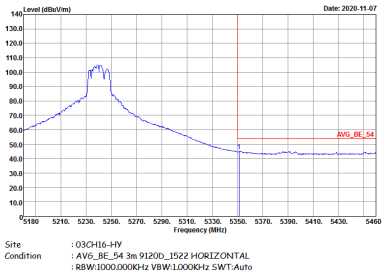
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

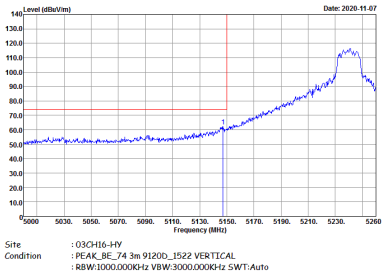
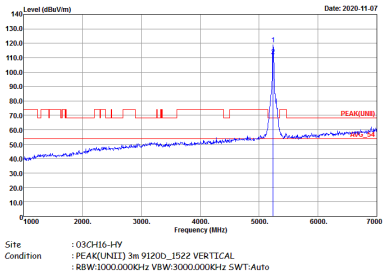
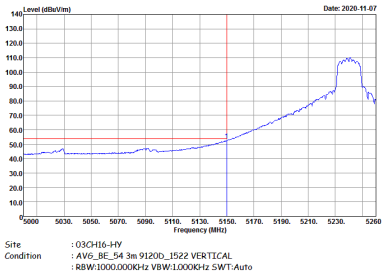
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

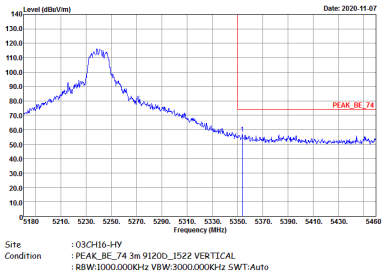
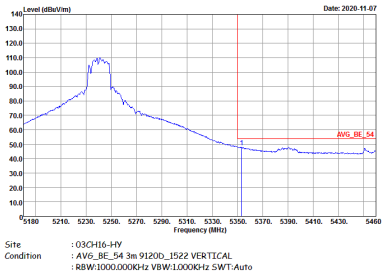
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

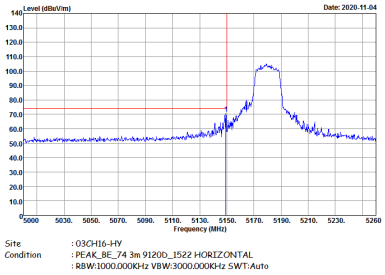
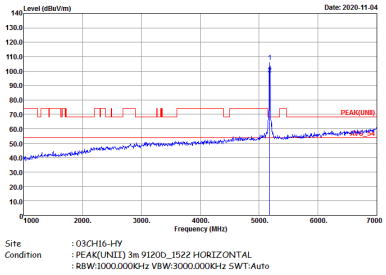
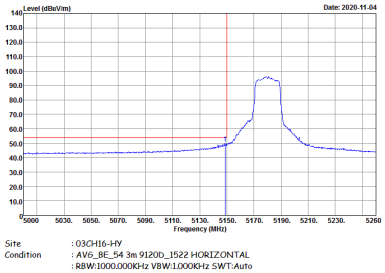
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

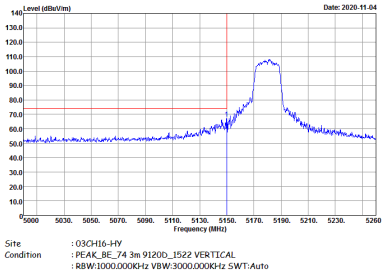
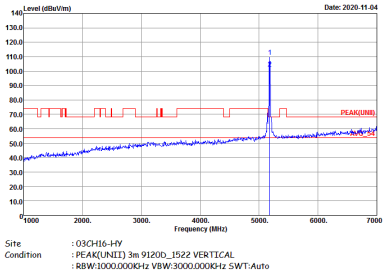
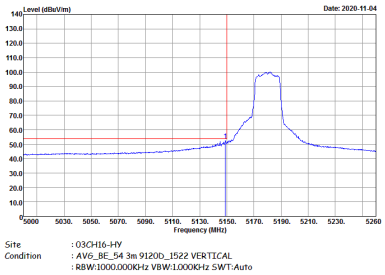
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

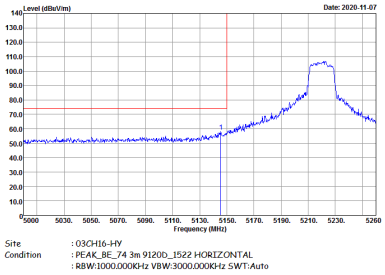
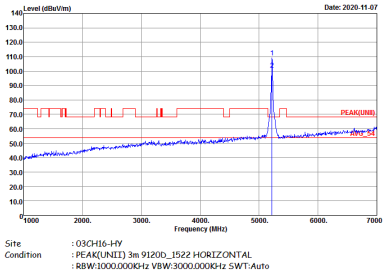
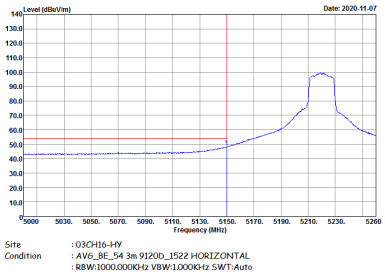
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

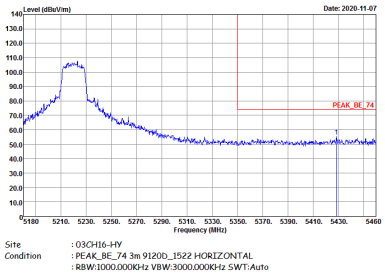
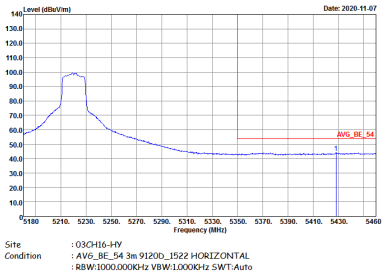
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

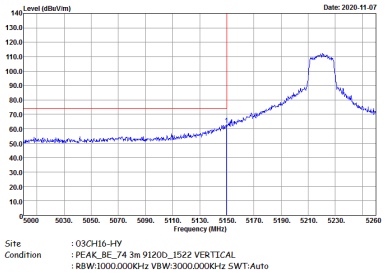
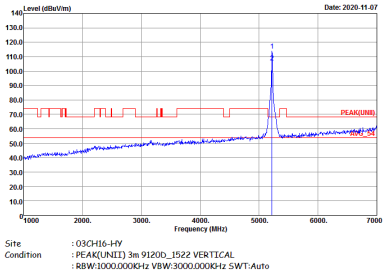
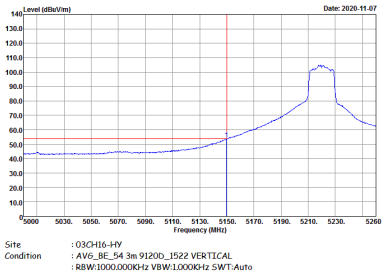
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

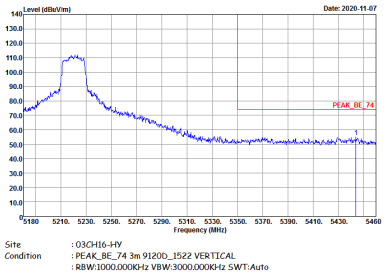
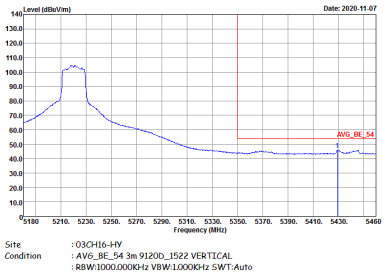
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

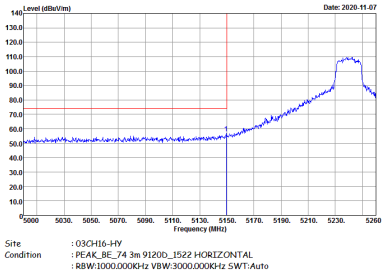
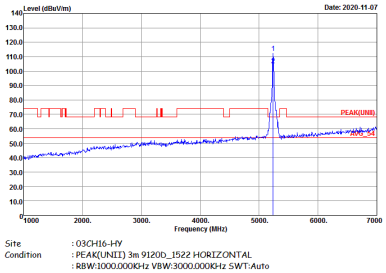
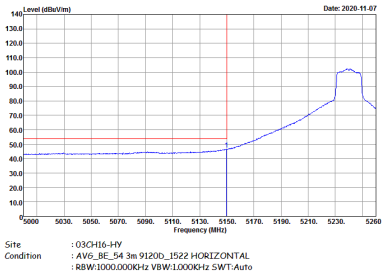
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

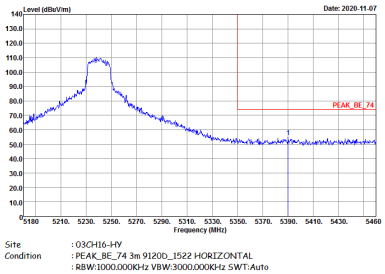
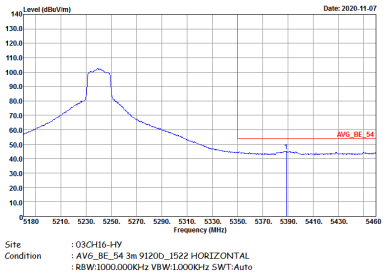
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

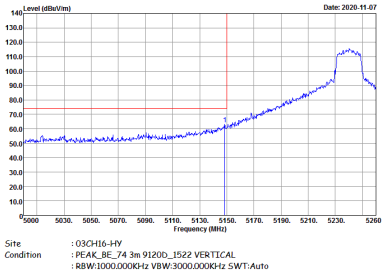
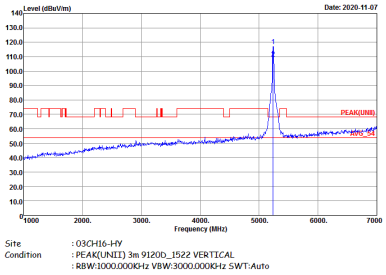
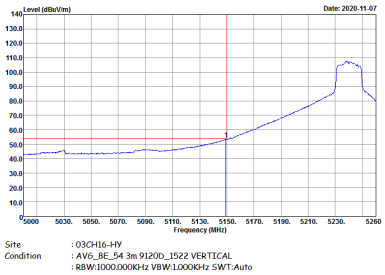
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

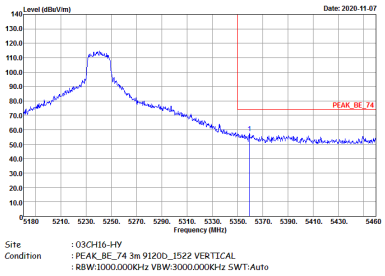
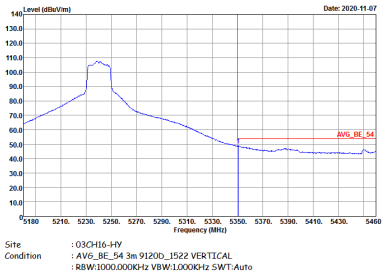
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

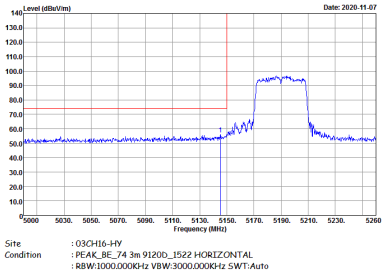
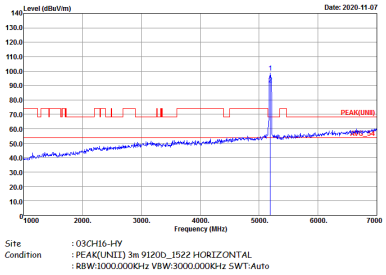
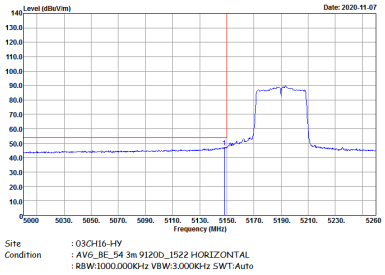
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

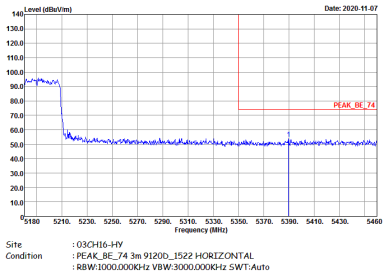
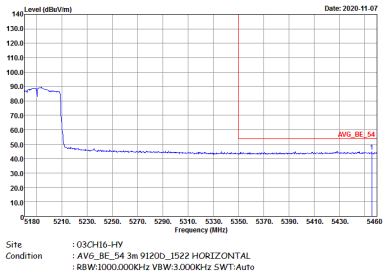
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

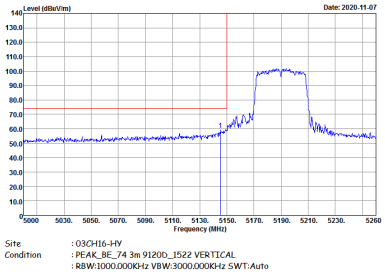
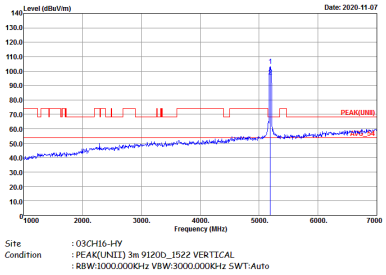
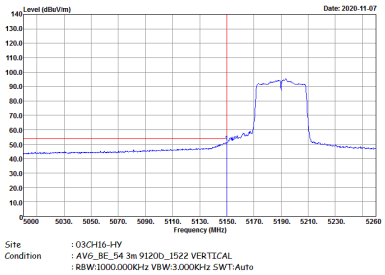
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

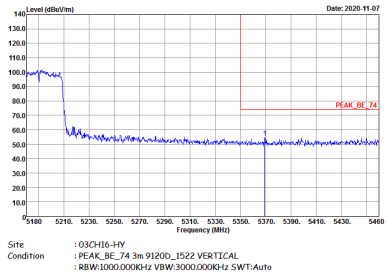
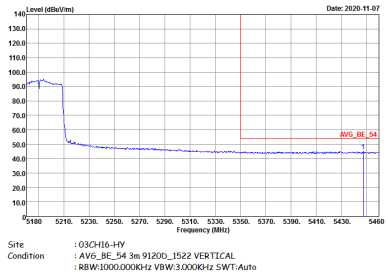
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

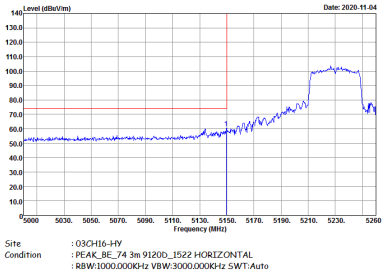
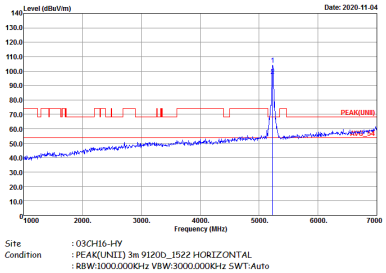
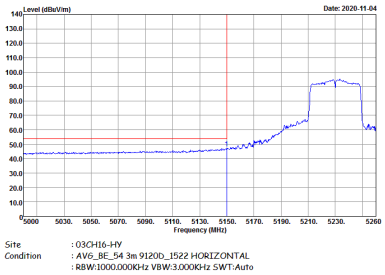
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

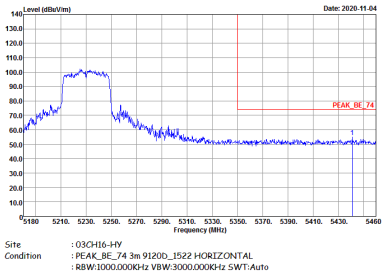
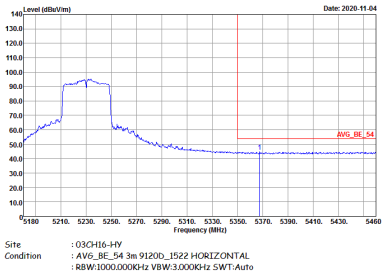
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

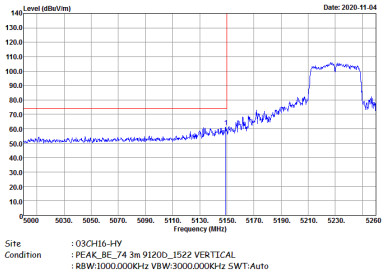
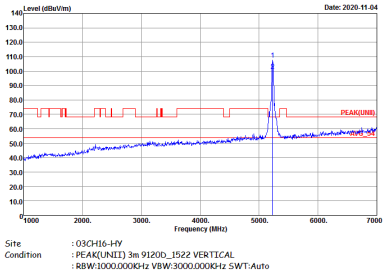
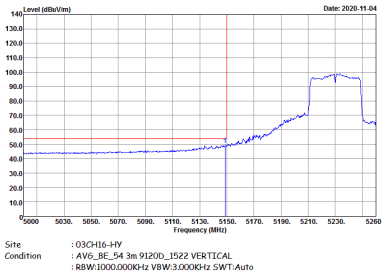
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

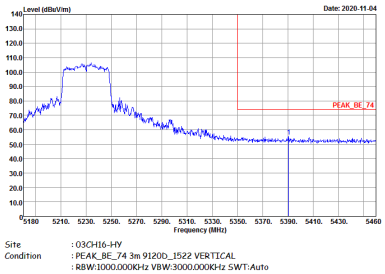
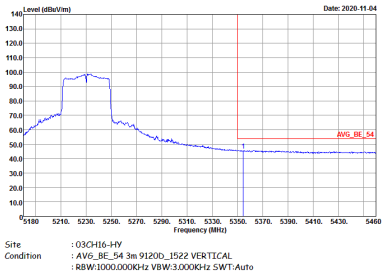
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

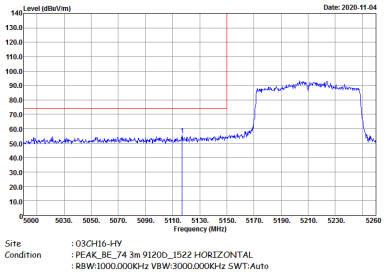
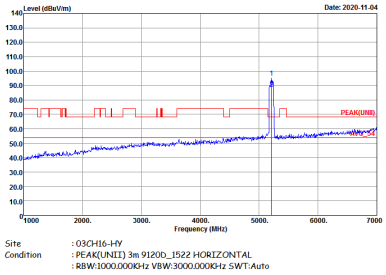
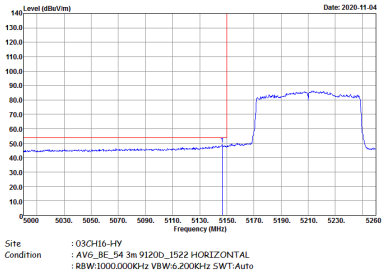
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

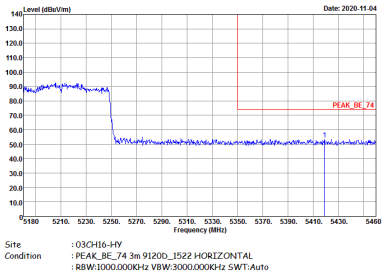
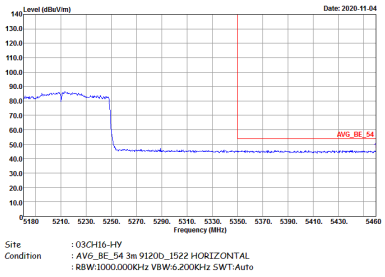
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

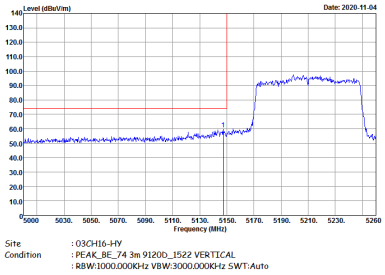
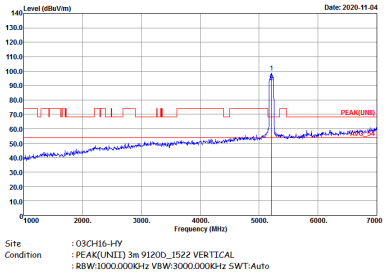
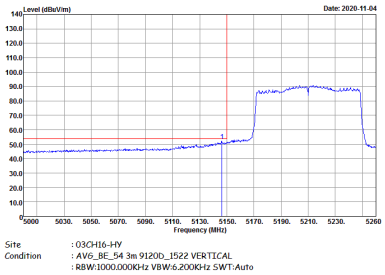
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

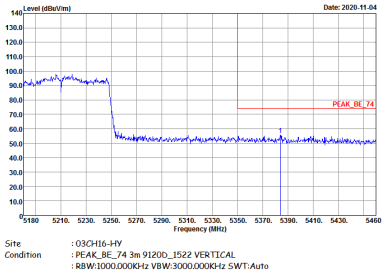
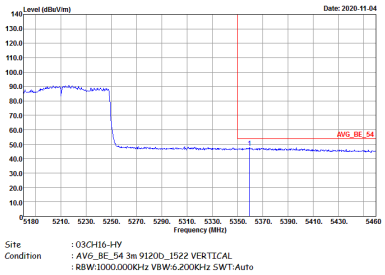
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

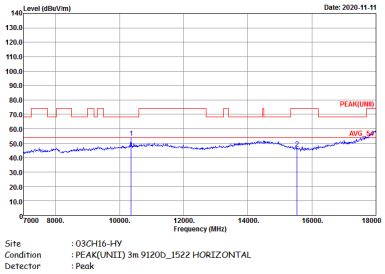
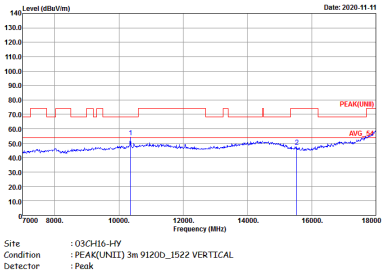
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

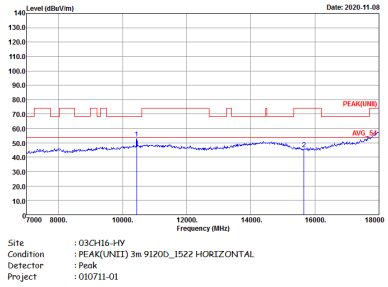
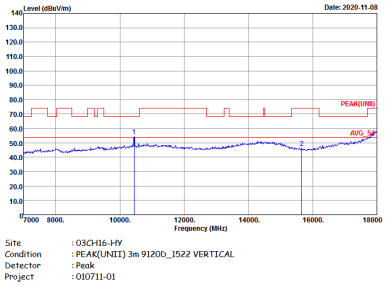
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

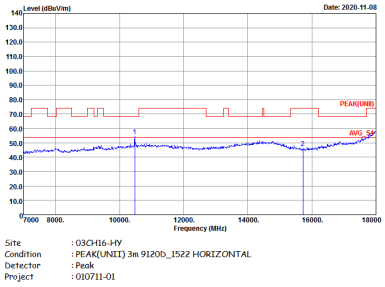
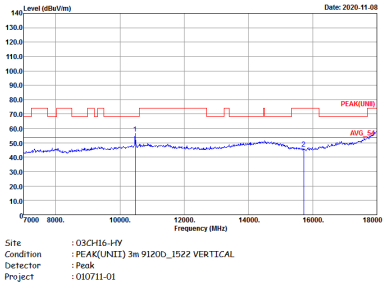
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

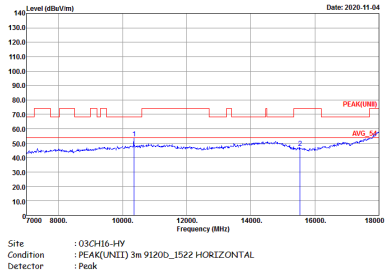
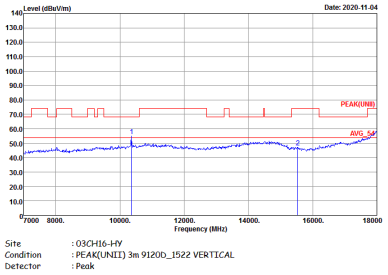
WIFI 802.11a (Harmonic @ 3m)

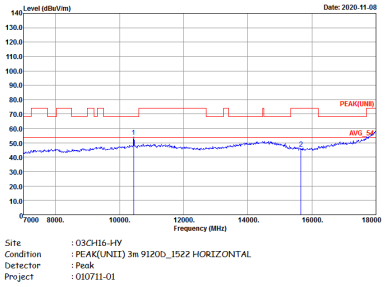
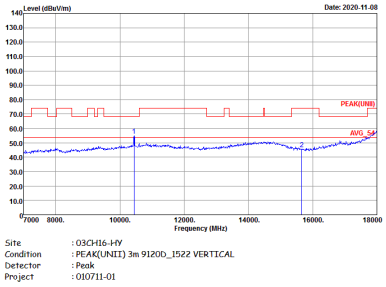
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

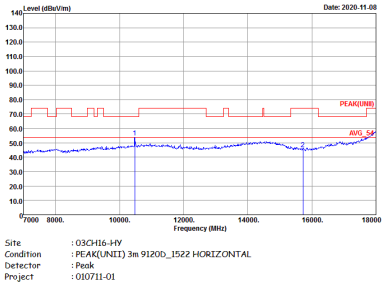
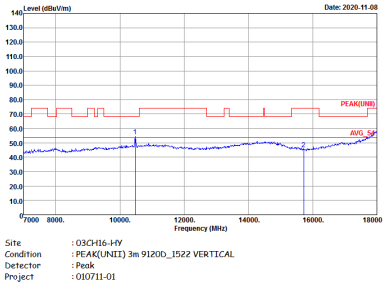
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

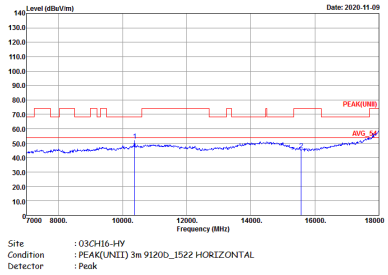
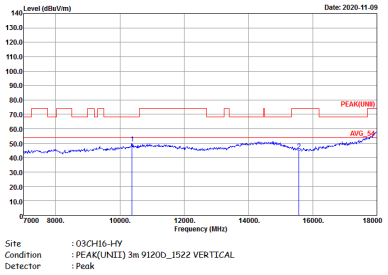
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

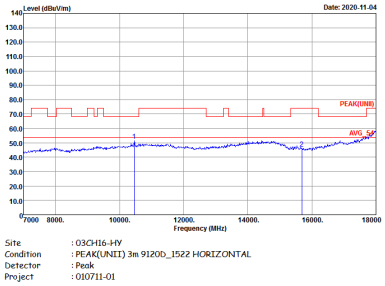
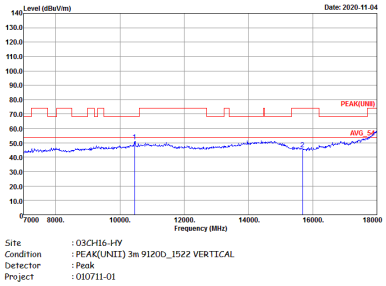
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

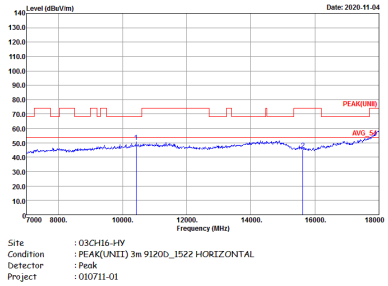
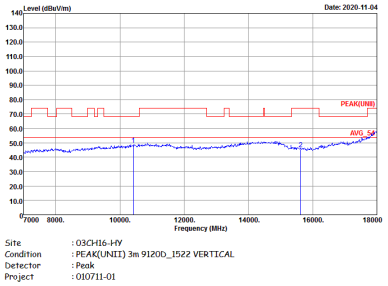
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

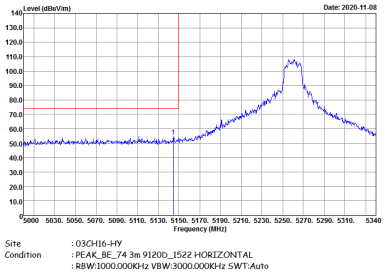
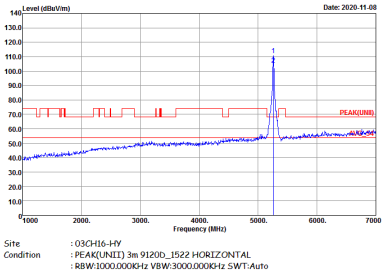
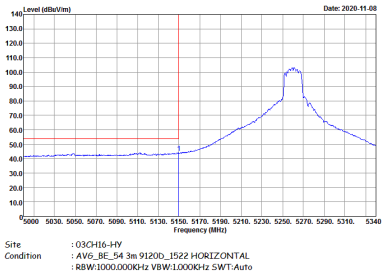
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.		

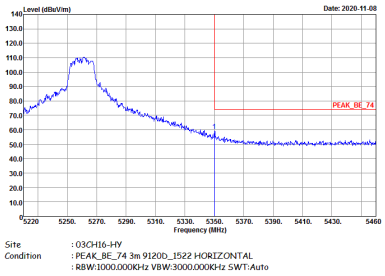
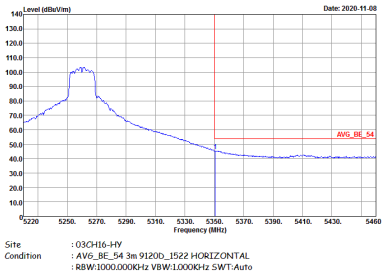
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

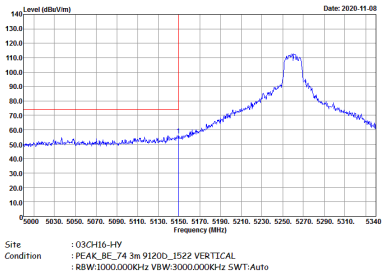
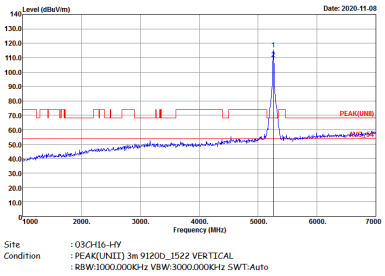
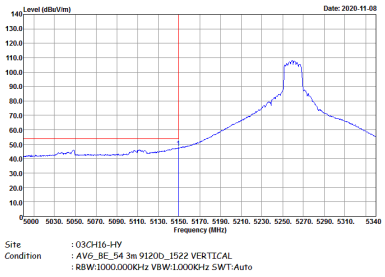
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

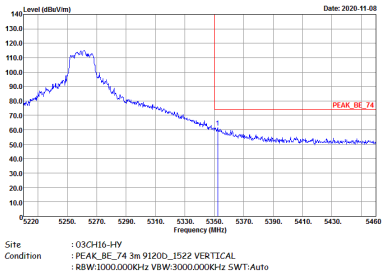
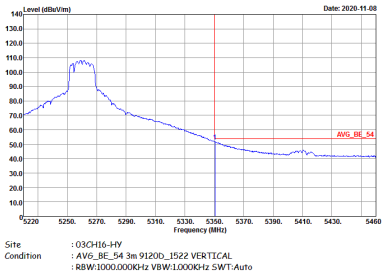
Band 2 - 5250~5350MHz

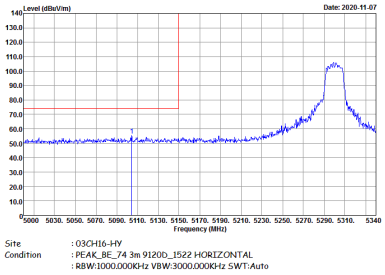
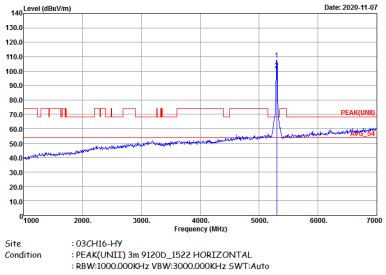
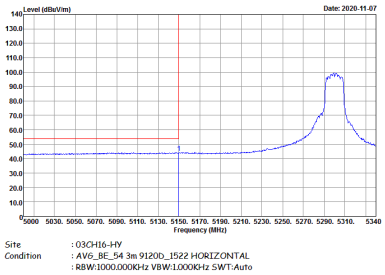
WIFI 802.11a (Band Edge @ 3m)

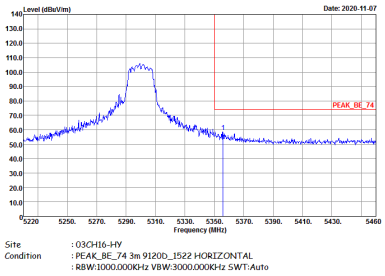
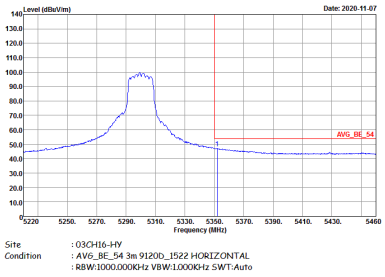
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

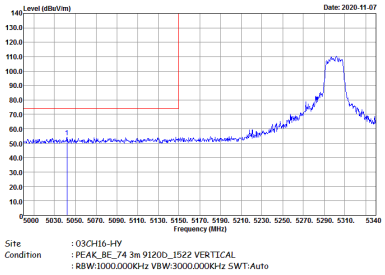
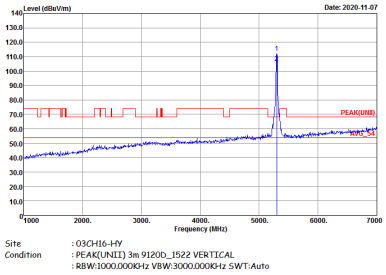
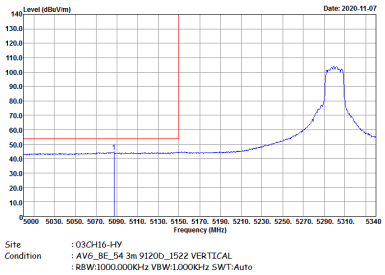
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

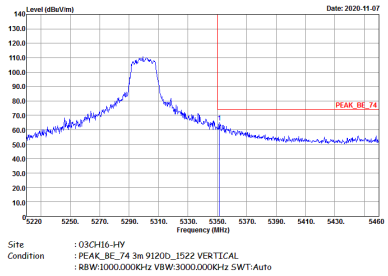
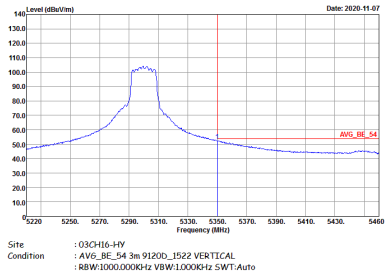
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

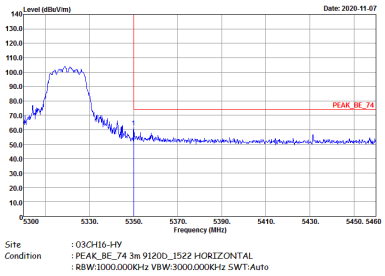
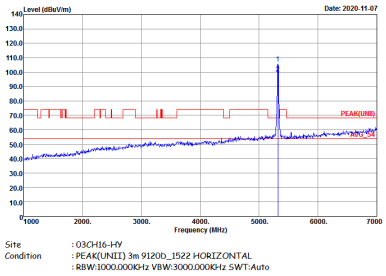
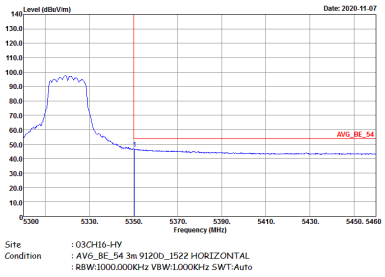
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

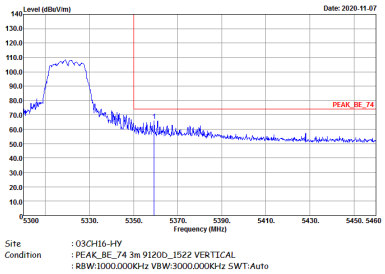
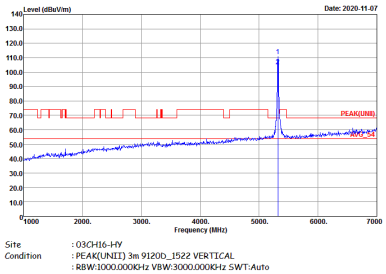
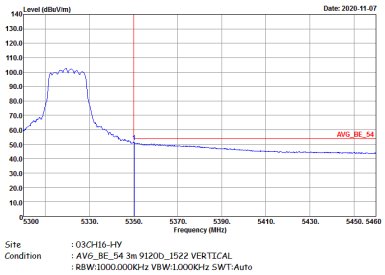
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

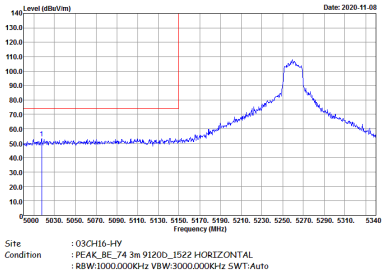
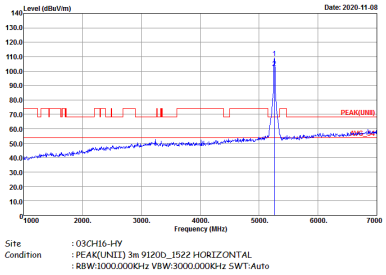
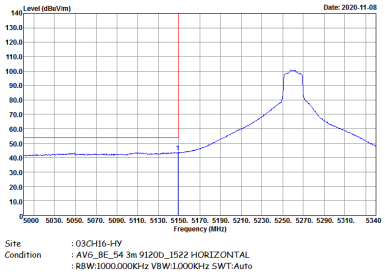
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

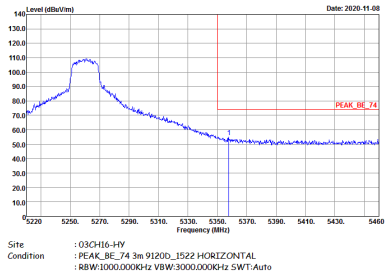
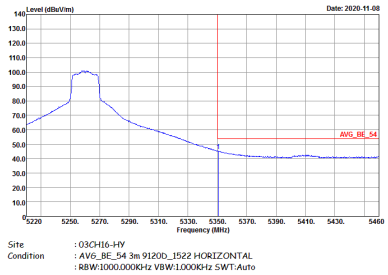
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

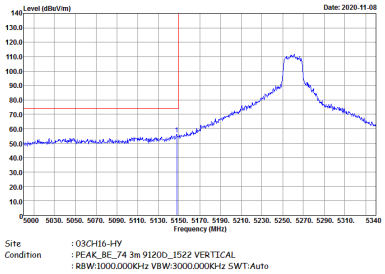
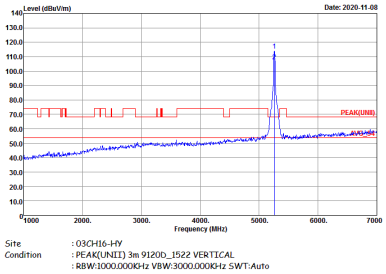
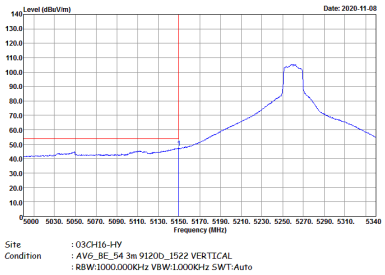
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

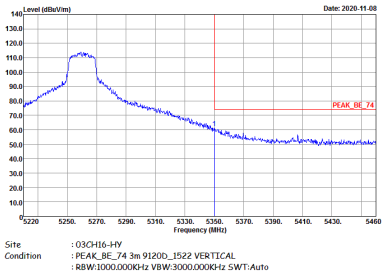
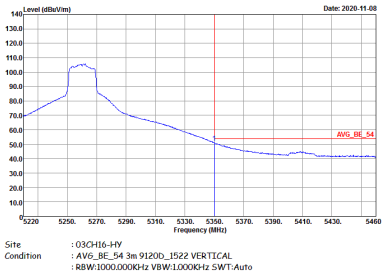
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

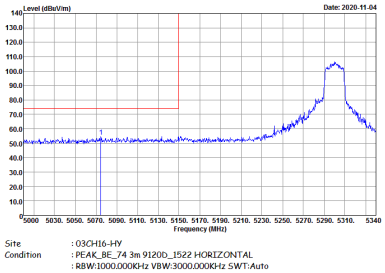
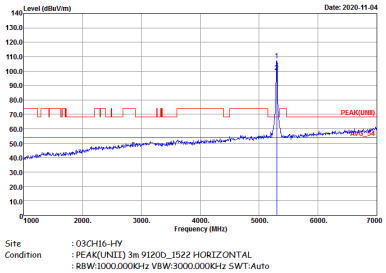
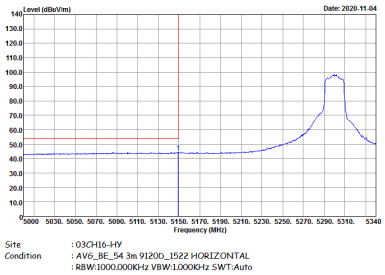
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

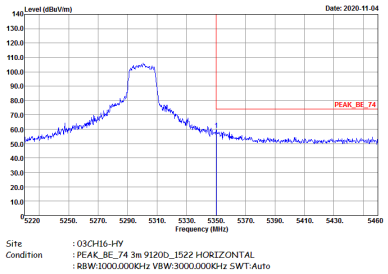
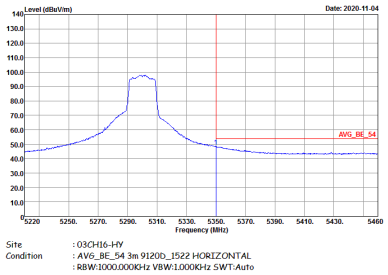
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

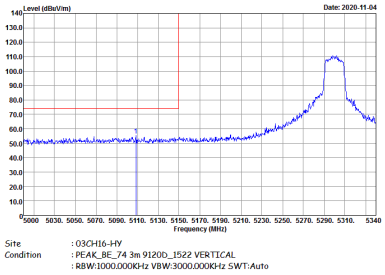
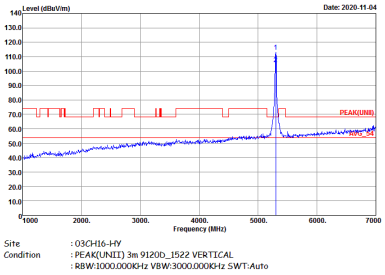
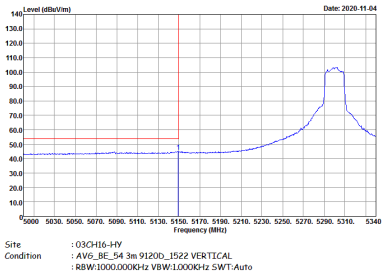
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

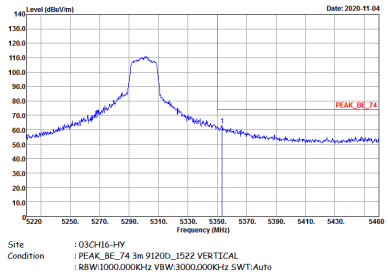
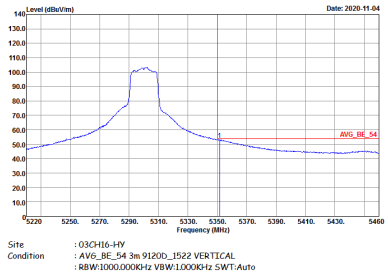
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

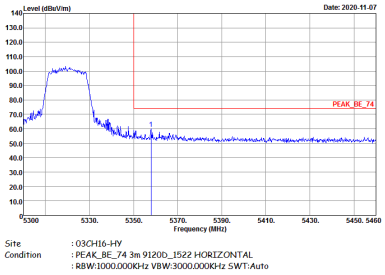
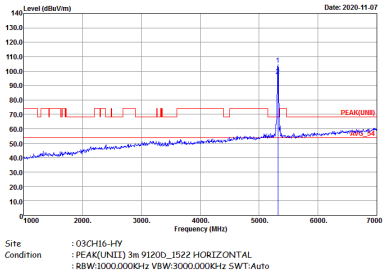
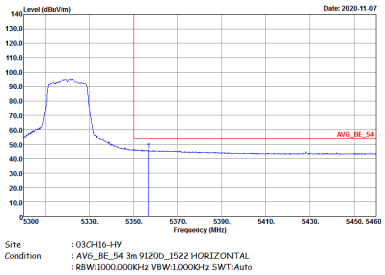
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

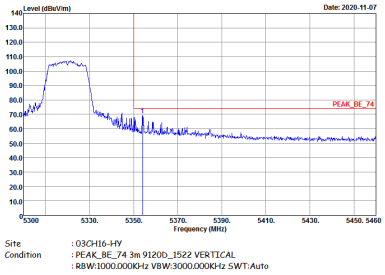
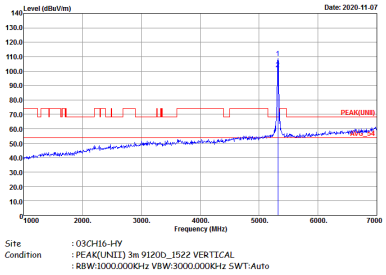
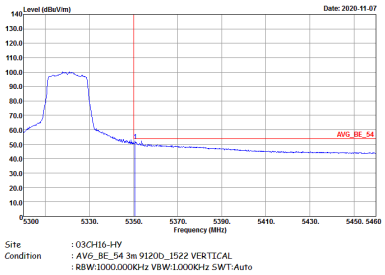
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

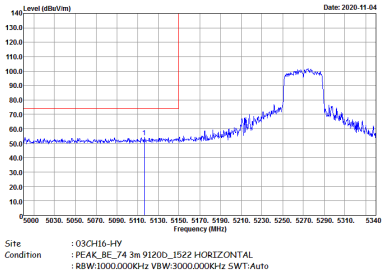
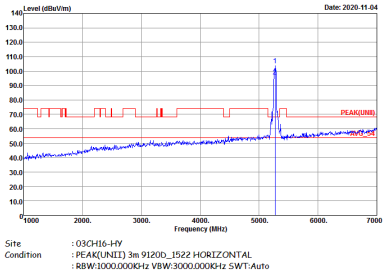
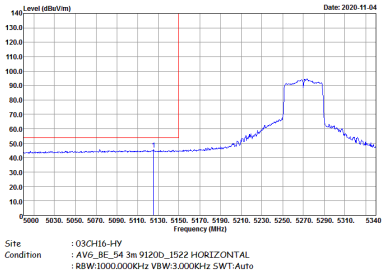
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

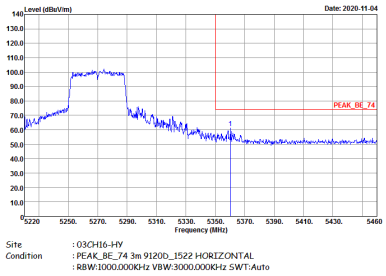
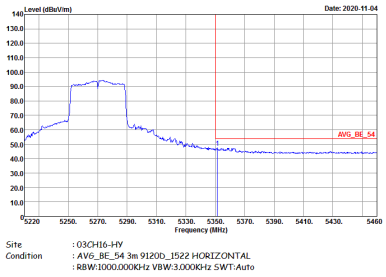
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

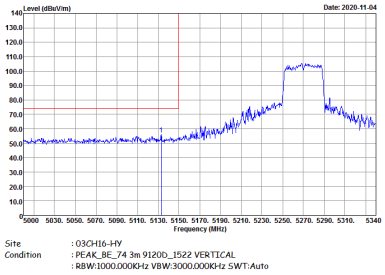
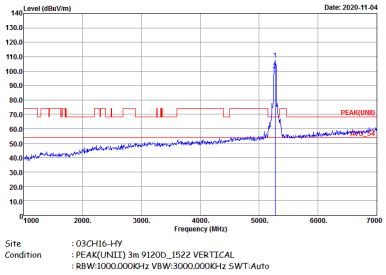
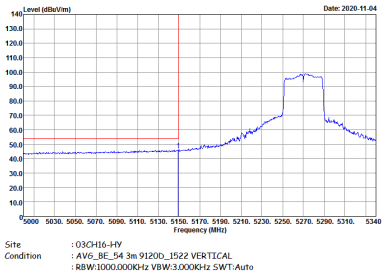
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

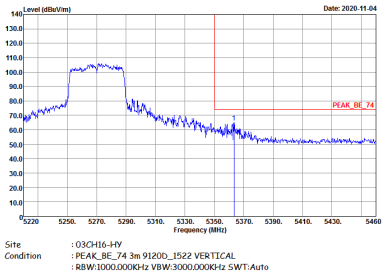
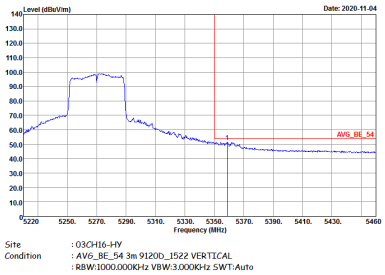
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

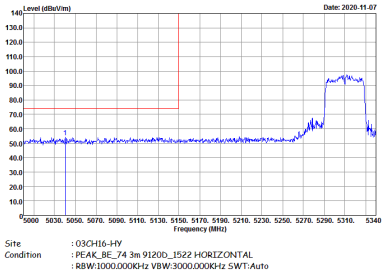
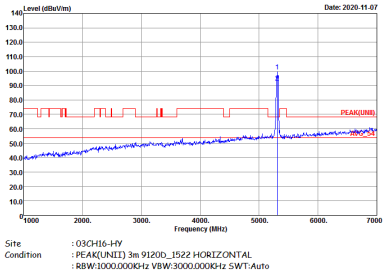
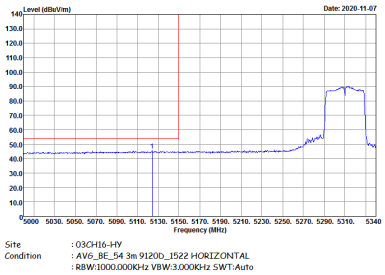
Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

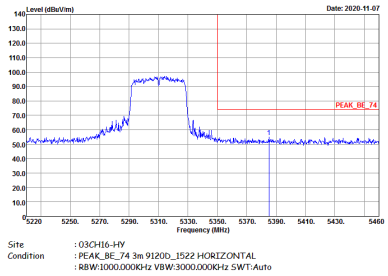
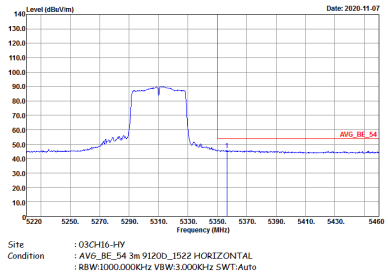
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

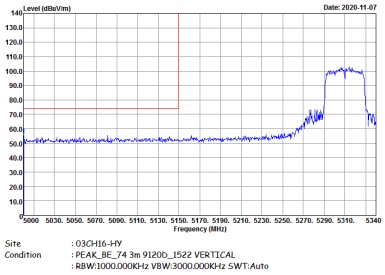
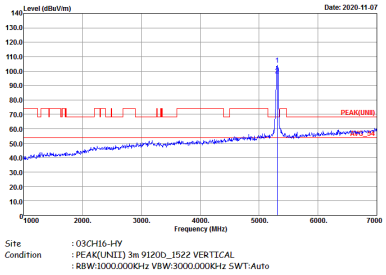
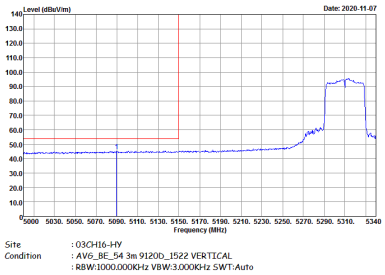
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

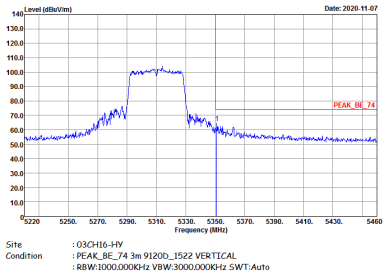
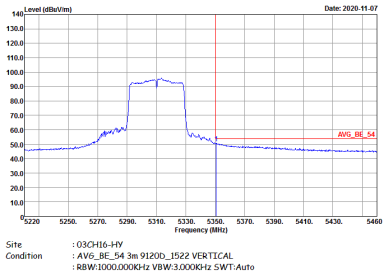
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

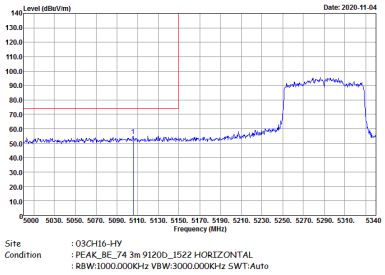
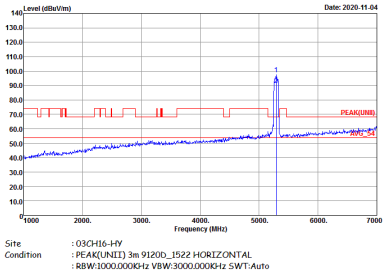
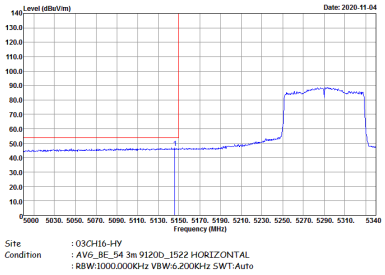
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

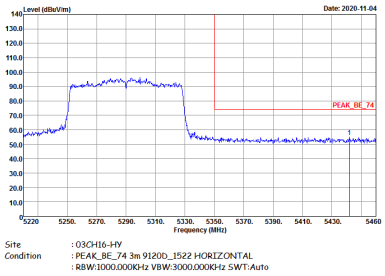
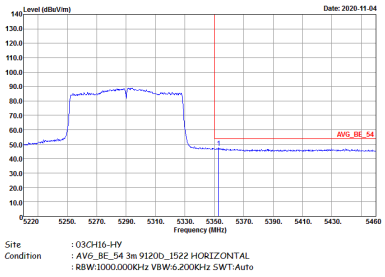
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

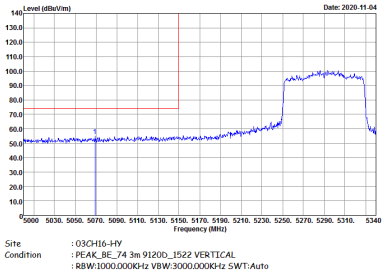
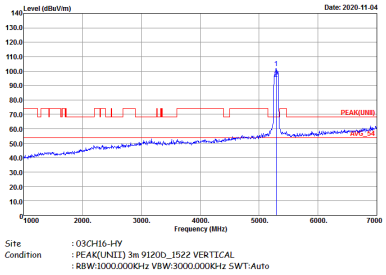
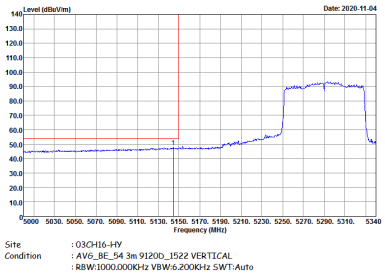
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

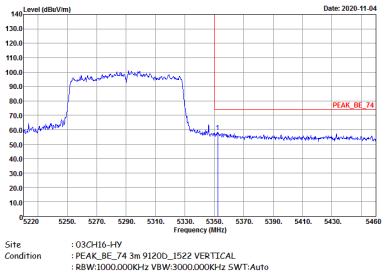
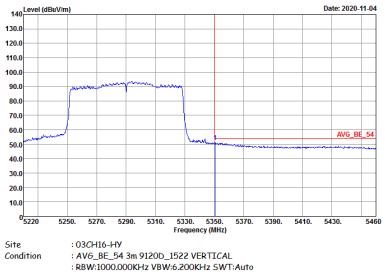
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

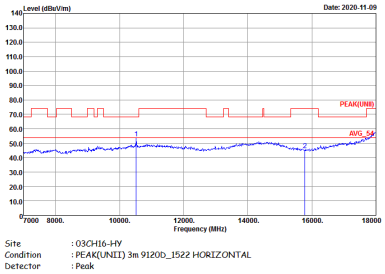
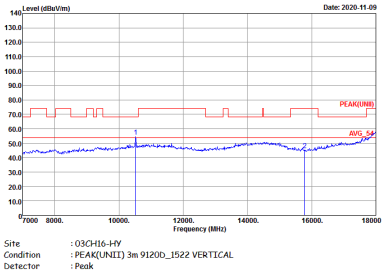
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

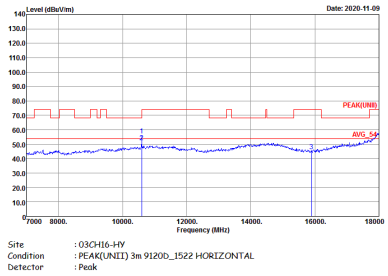
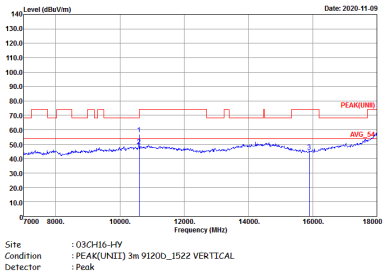
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

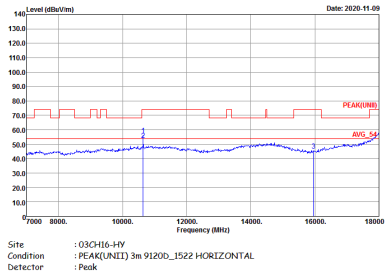
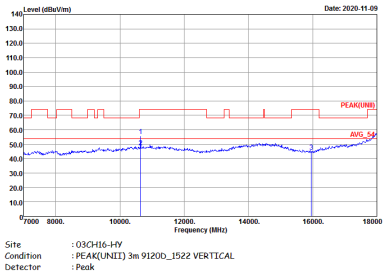
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

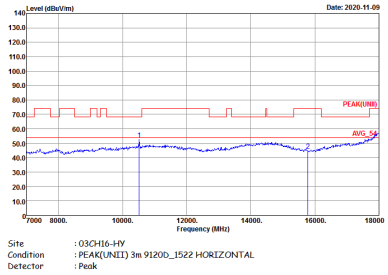
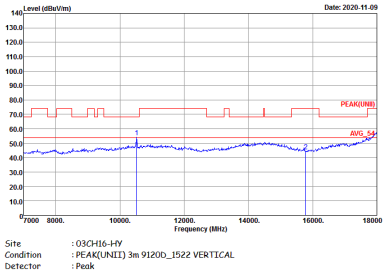
WIFI 802.11a (Harmonic @ 3m)

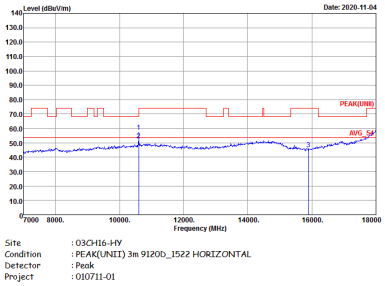
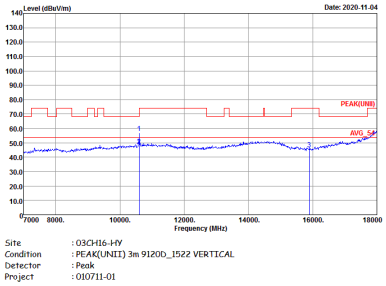
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

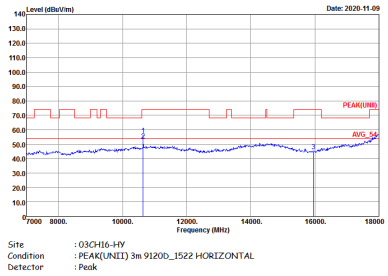
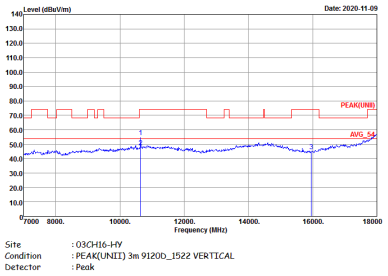
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

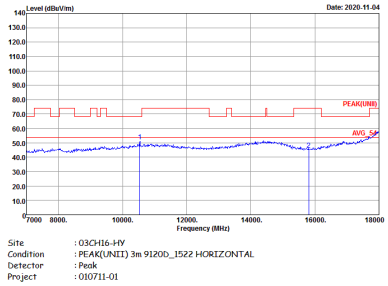
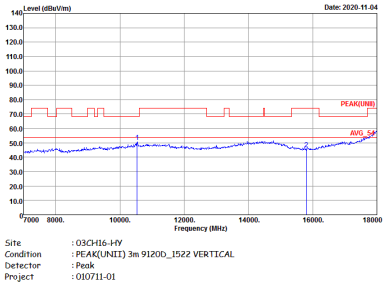
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

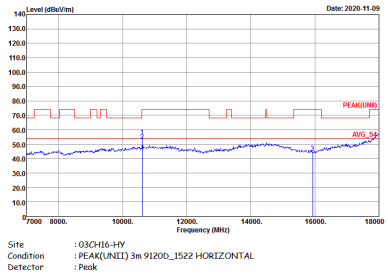
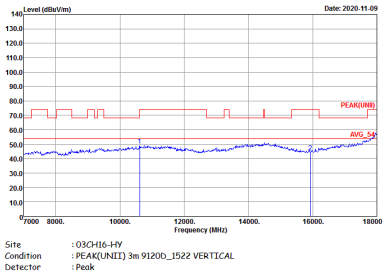
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

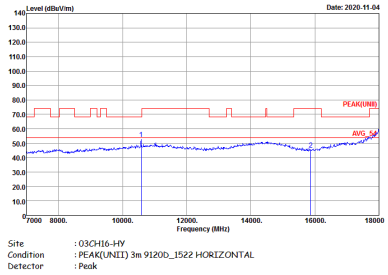
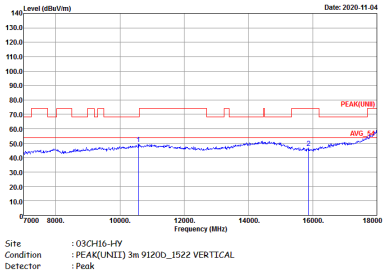
Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.		

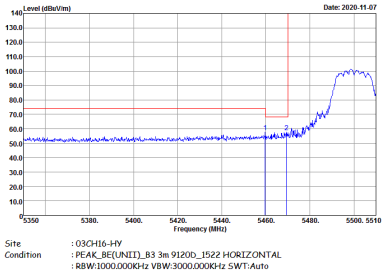
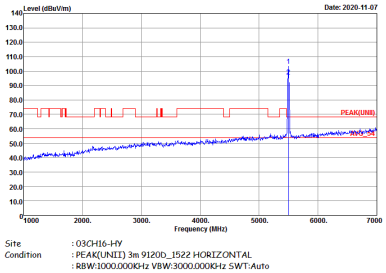
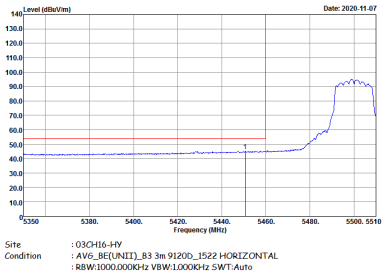
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.		

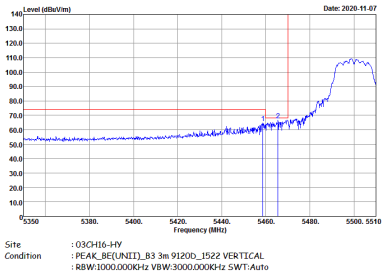
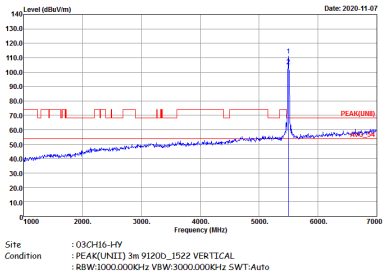
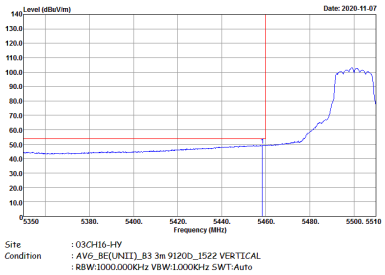
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

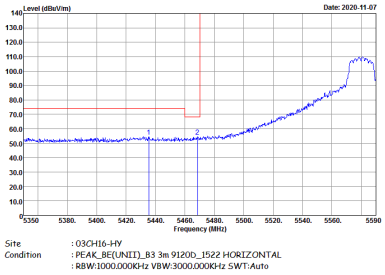
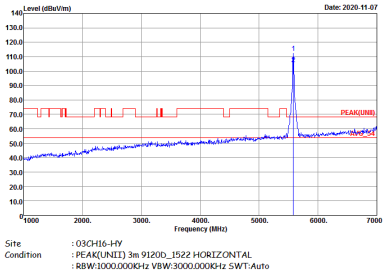
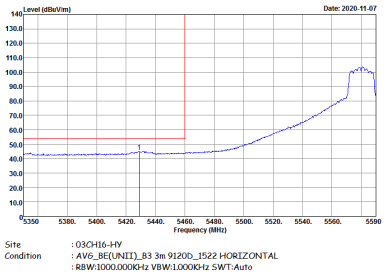
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.		

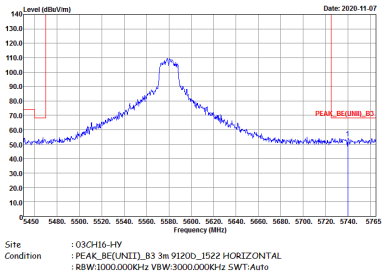
Band 3 - 5470~5725MHz

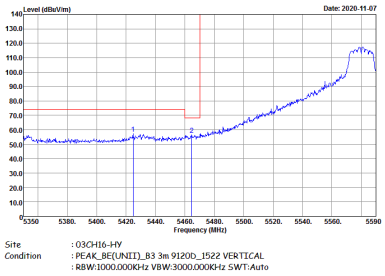
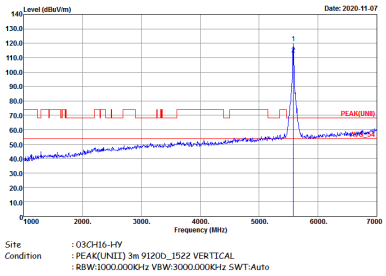
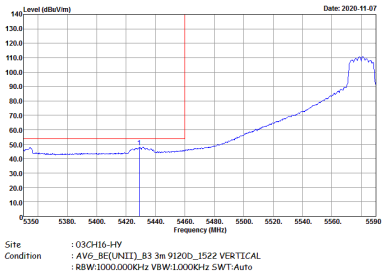
WIFI 802.11a (Band Edge @ 3m)

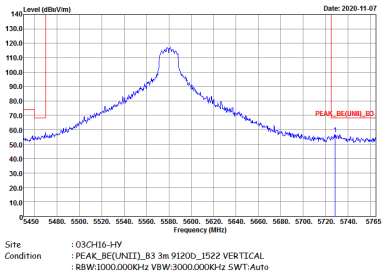
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

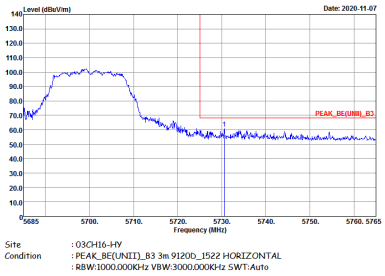
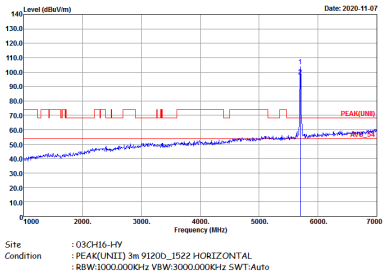
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

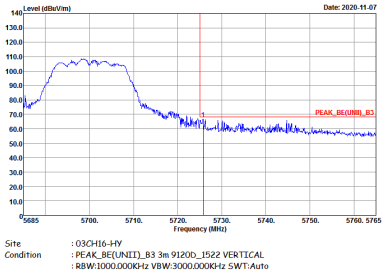
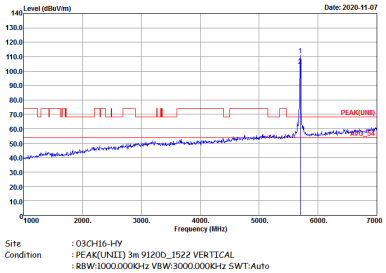
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

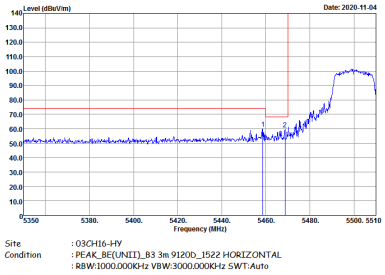
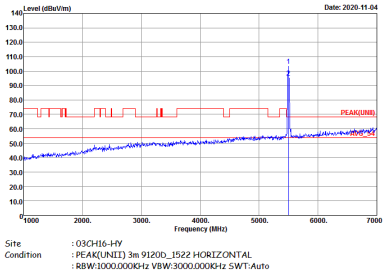
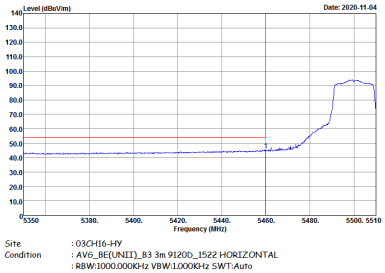
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

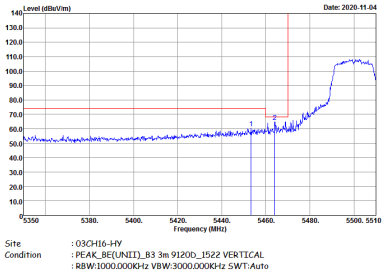
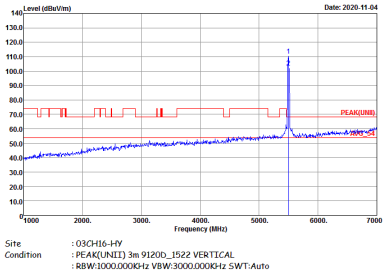
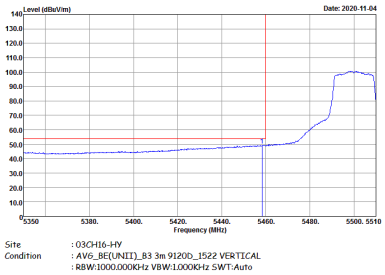
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

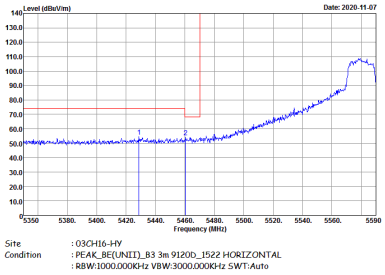
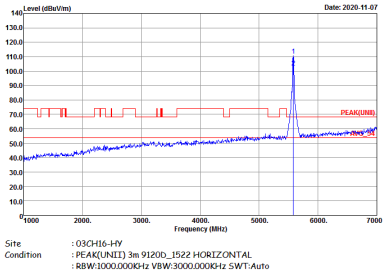
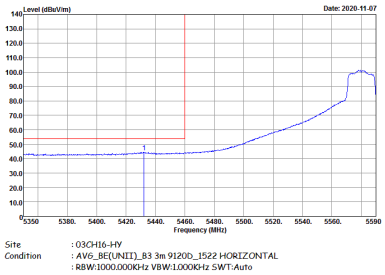
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

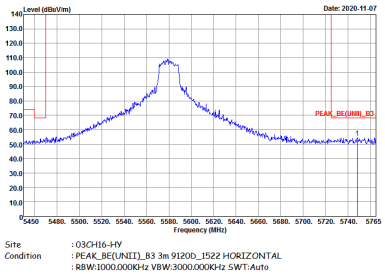
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		

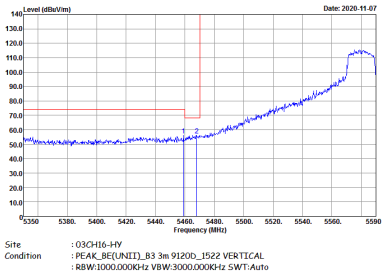
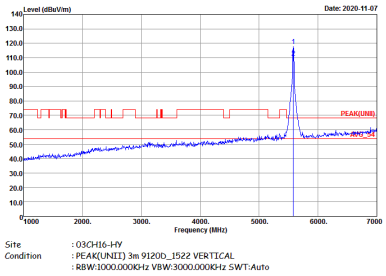
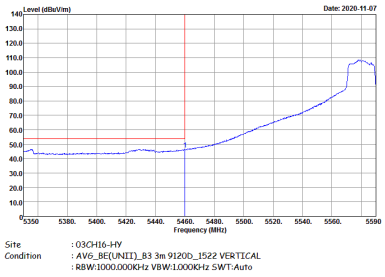
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

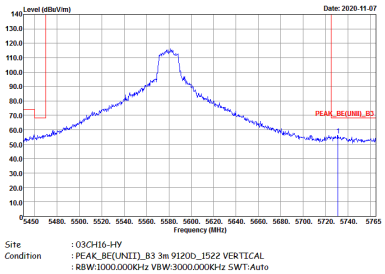
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

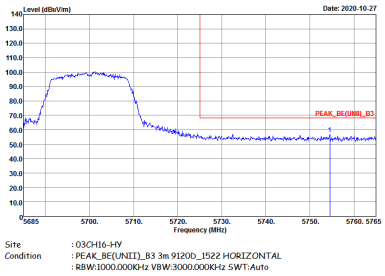
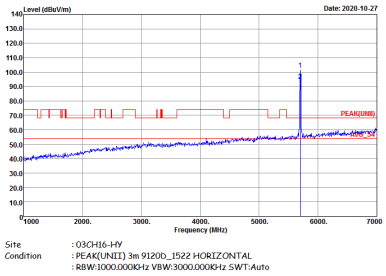
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

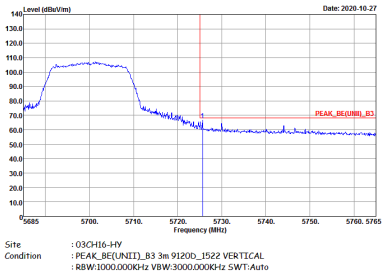
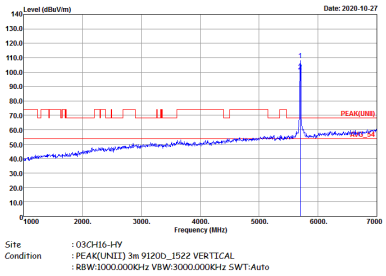
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

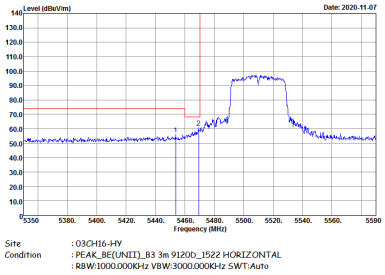
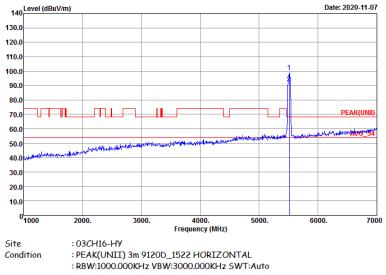
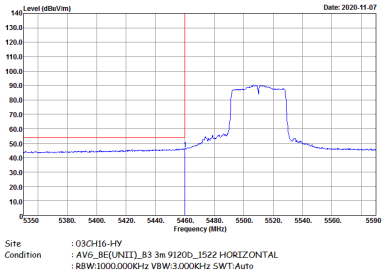
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

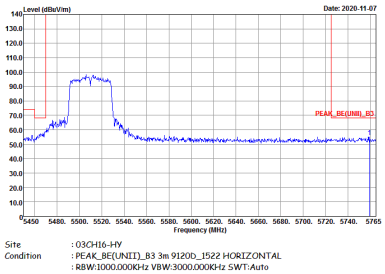
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

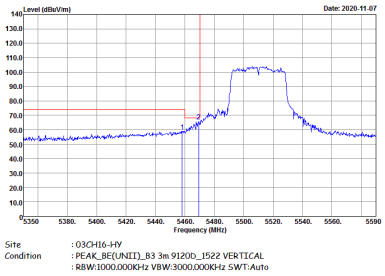
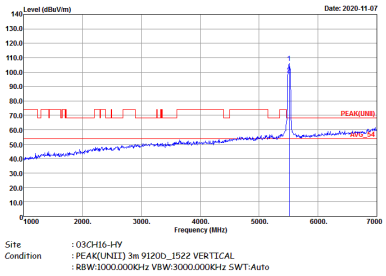
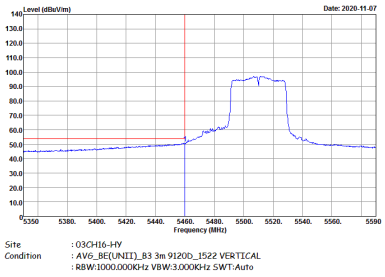
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

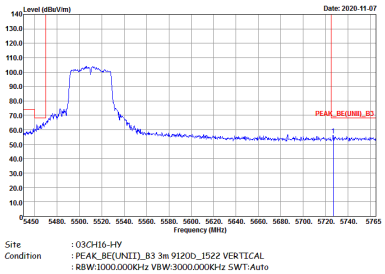
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		

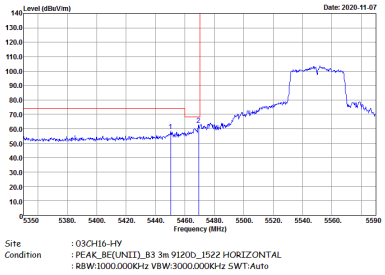
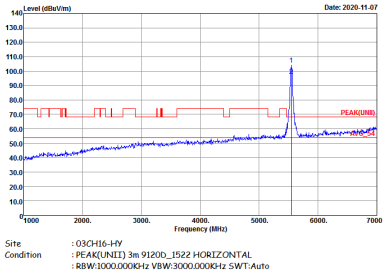
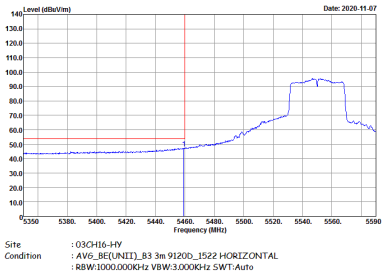
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

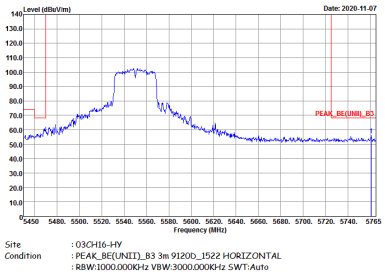
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

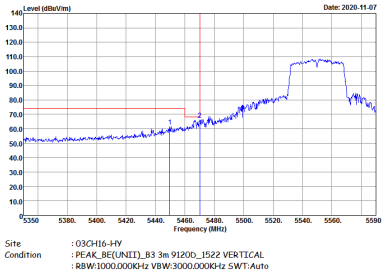
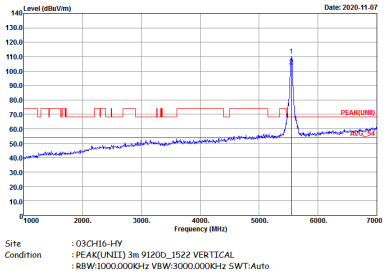
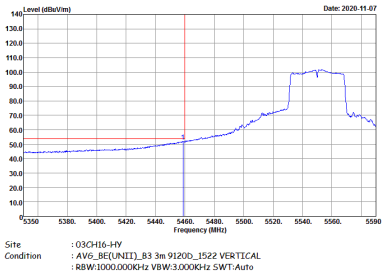
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

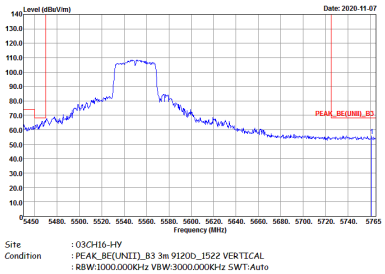
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

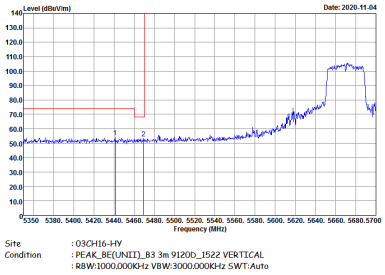
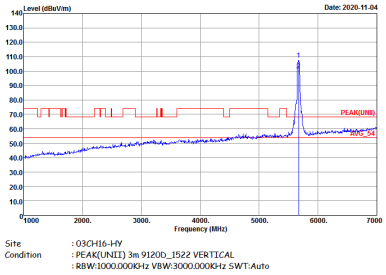
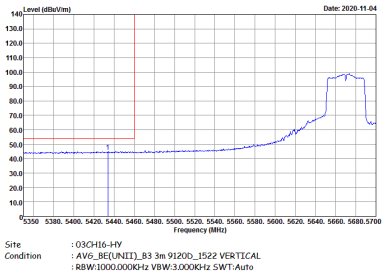
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

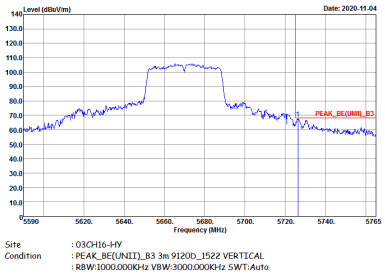
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

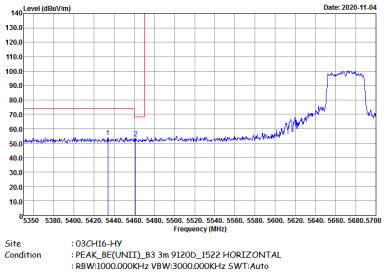
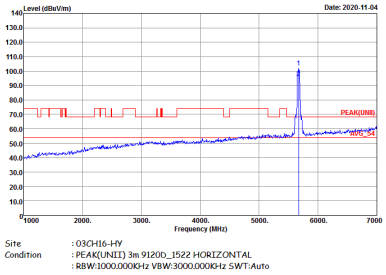
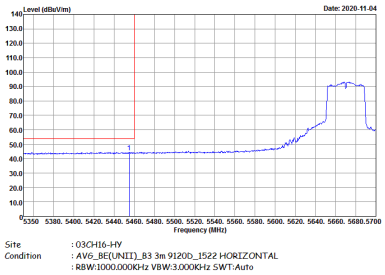
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

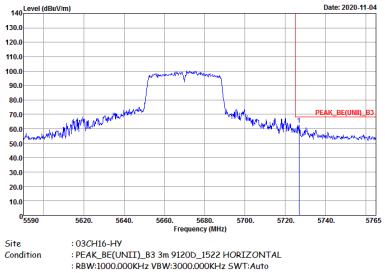
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

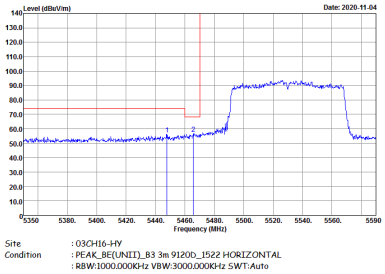
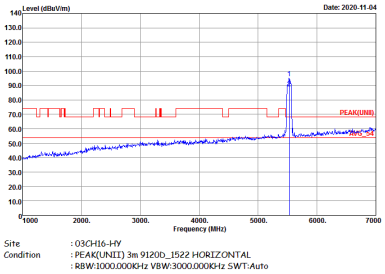
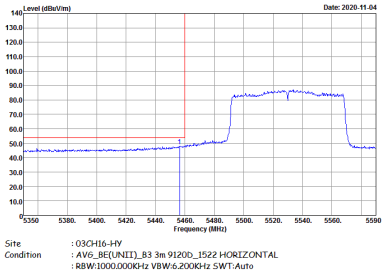
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

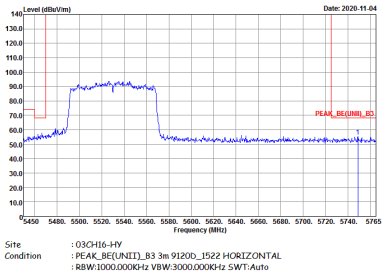
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

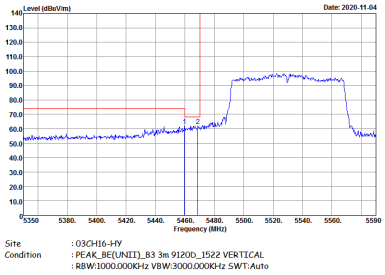
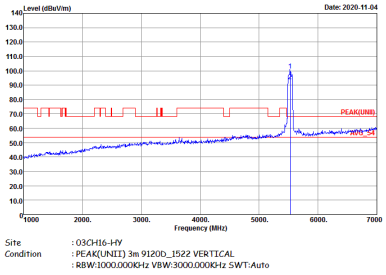
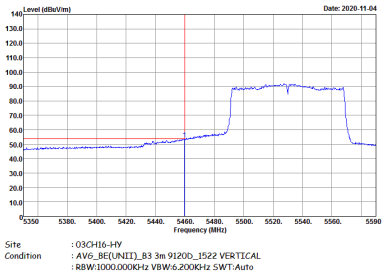
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

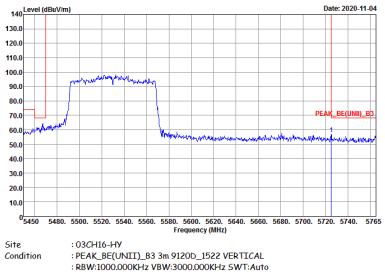
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

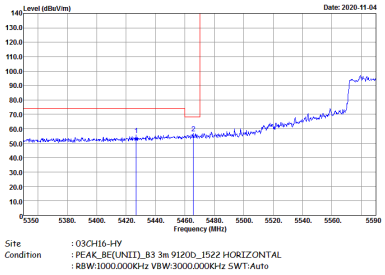
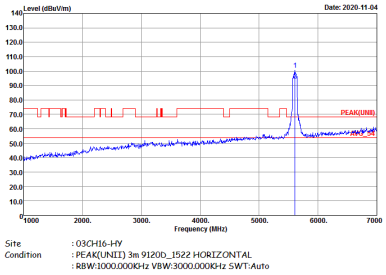
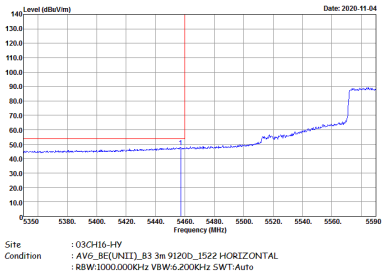
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

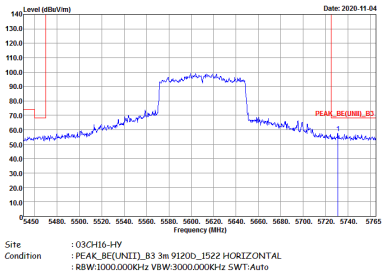
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

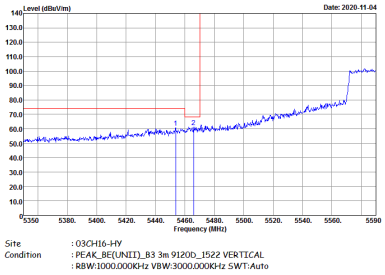
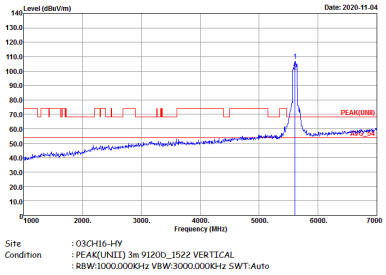
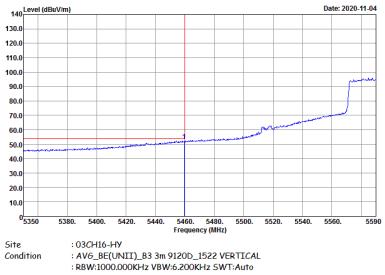
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

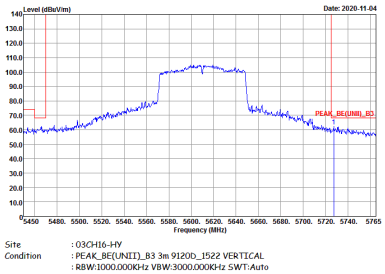
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

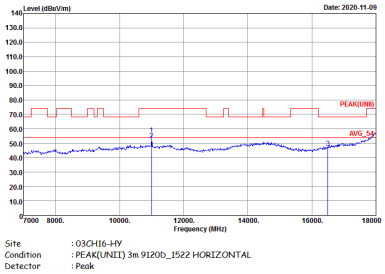
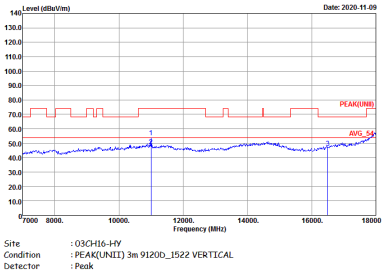
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

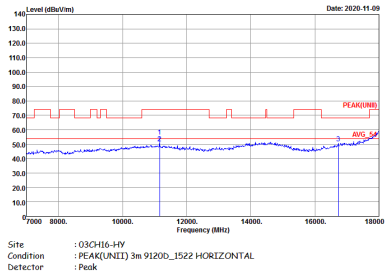
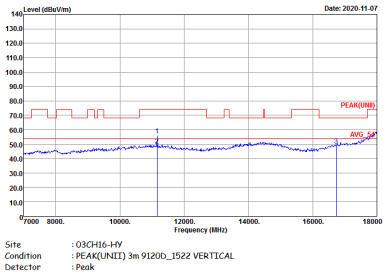
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

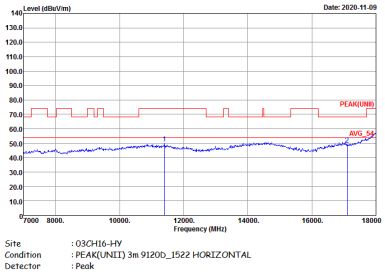
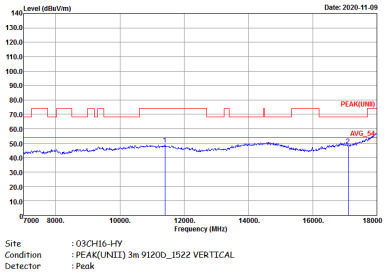
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

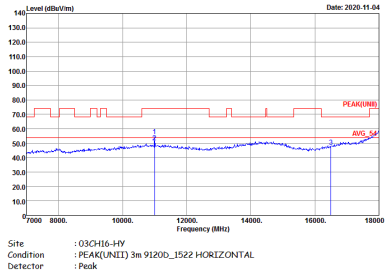
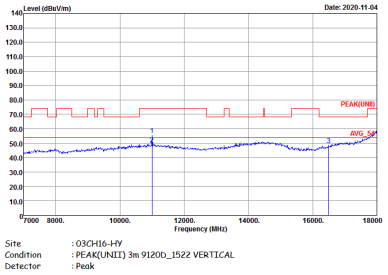
WIFI 802.11a (Harmonic @ 3m)

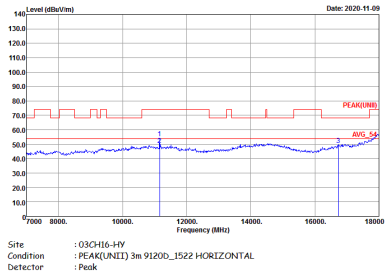
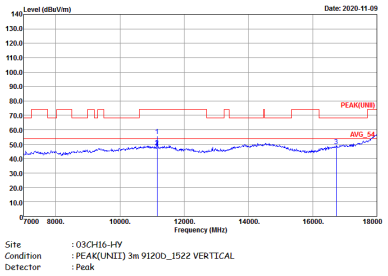
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

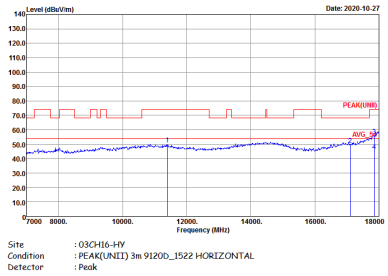
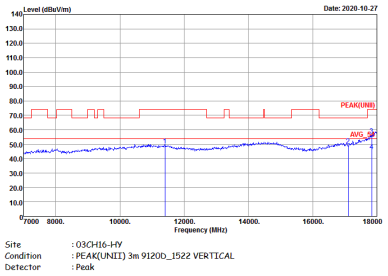
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

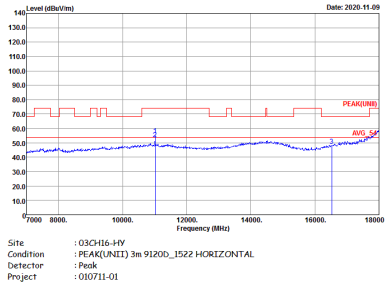
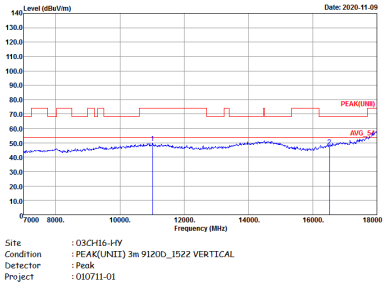
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

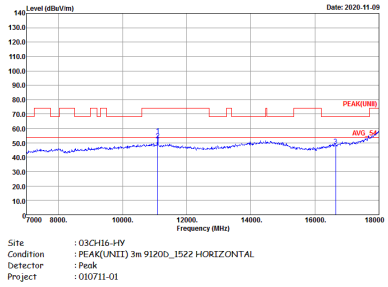
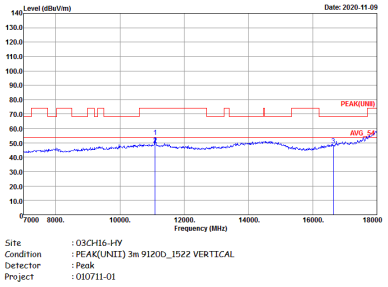
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

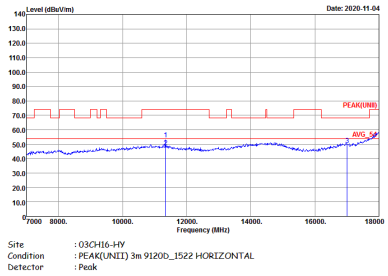
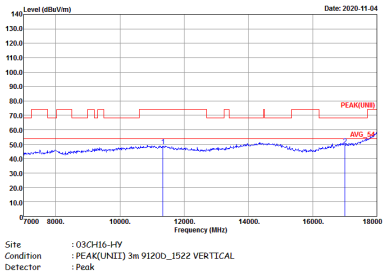
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

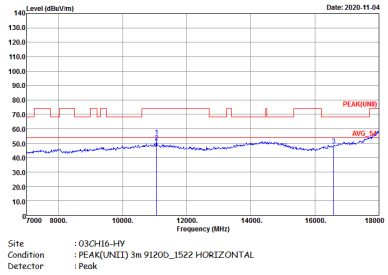
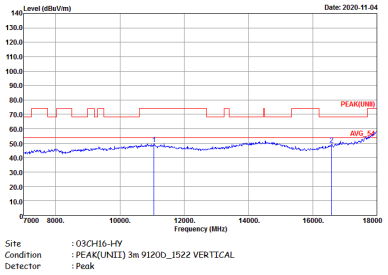
WIFI 802.11ac VHT40 (Harmonic @ 3m)

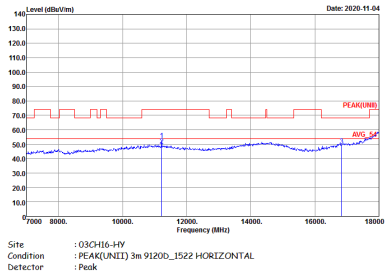
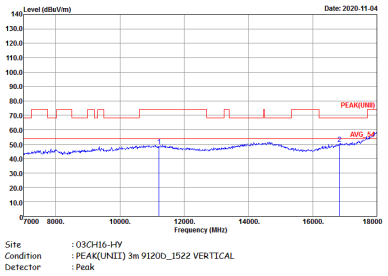
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.		

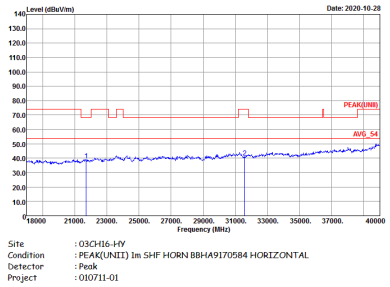
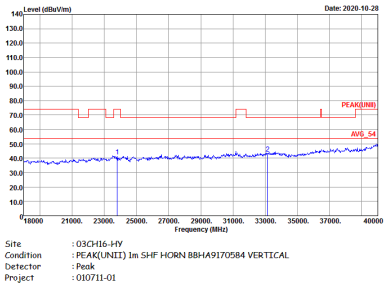
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.		

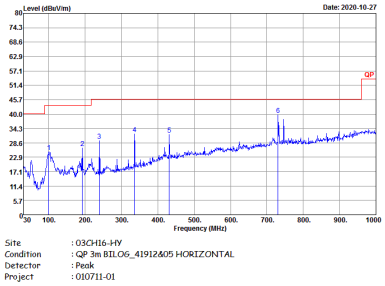
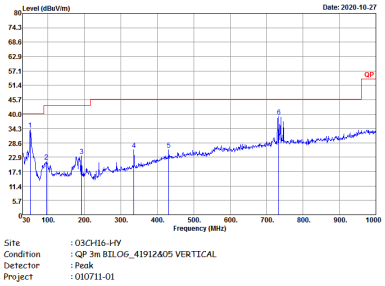
Emission above 18GHz

5GHz WIFI 802.11ac VHT20 (SHF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT20 SHF	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

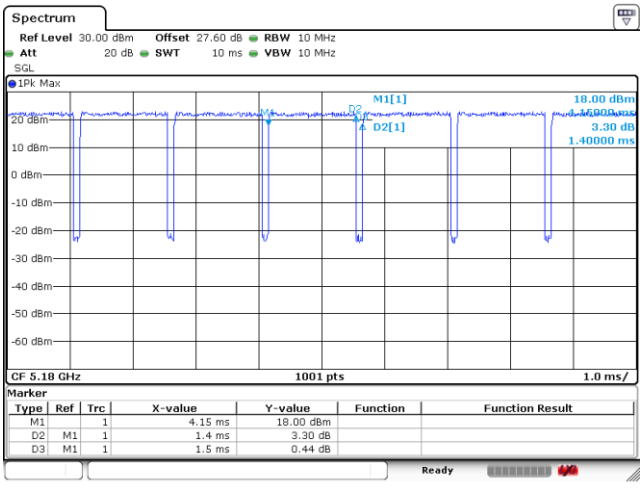
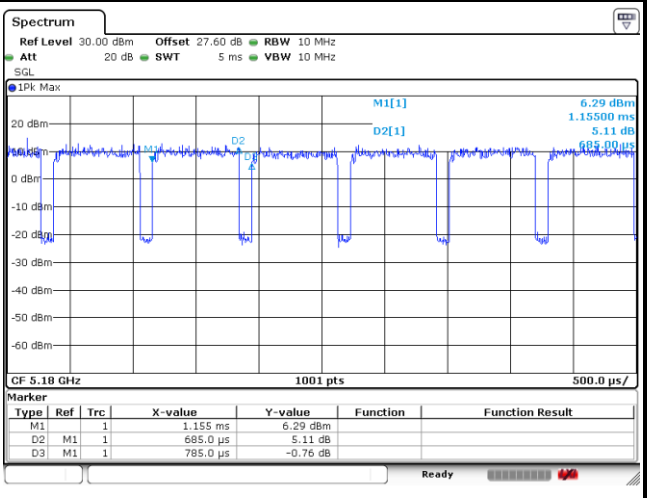
5GHz WIFI 802.11ac VHT20 (LF)

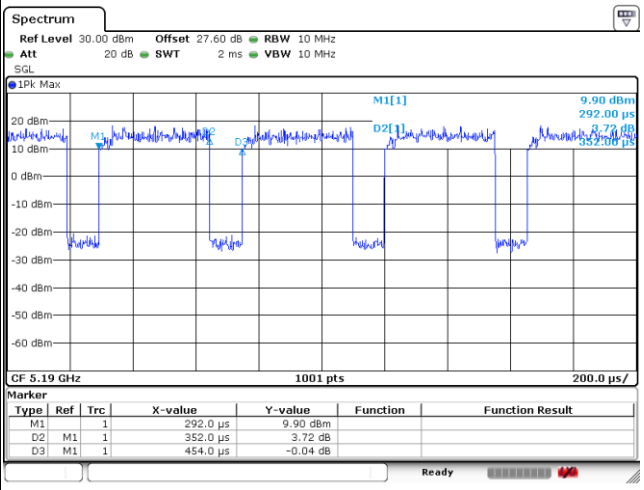
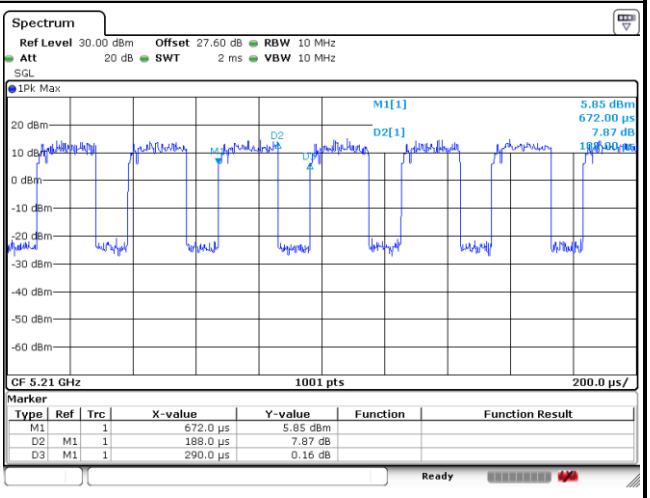
WIFI	5GHz WIFI	
ANT	802.11ac VHT20 LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1+2	802.11a for Ant. 1	93.33	1400	0.71	1kHz	0.30
1+2	802.11a for Ant. 2	93.33	1400	0.71	1kHz	0.30
1+2	5GHz 802.11ac VHT20 for Ant. 1	87.26	685	1.46	3kHz	0.59
1+2	5GHz 802.11ac VHT20 for Ant. 2	87.26	685	1.46	3kHz	0.59
1+2	5GHz 802.11ac VHT40 for Ant. 1	77.53	352	2.84	3kHz	1.11
1+2	5GHz 802.11ac VHT40 for Ant. 2	77.88	352	2.84	3kHz	1.09
1+2	5GHz 802.11ac VHT80 for Ant. 1	64.83	188	5.32	10kHz	1.88
1+2	5GHz 802.11ac VHT80 for Ant. 2	64.58	186	5.38	10kHz	1.90

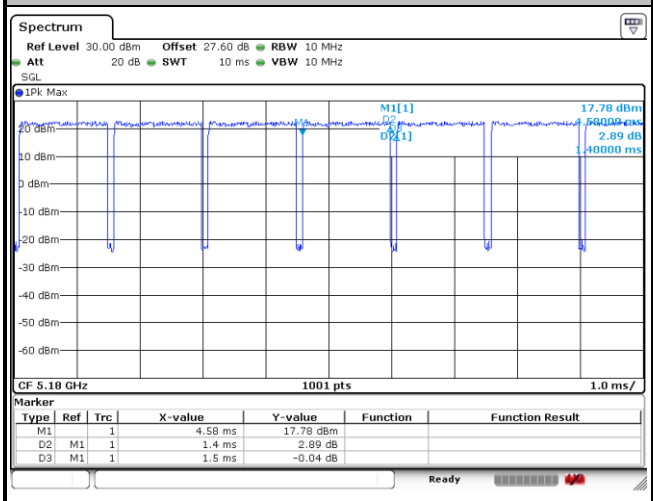
MIMO <Ant. 1>

802.11a	802.11ac VHT20
	

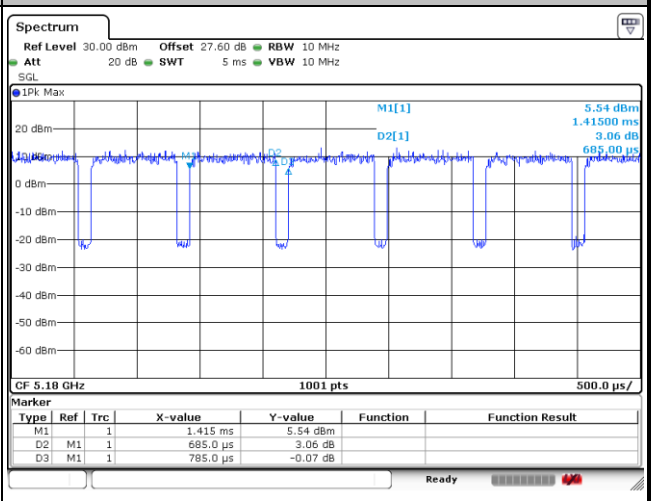
802.11ac VHT40	802.11ac VHT80
	

MIMO <Ant. 2>

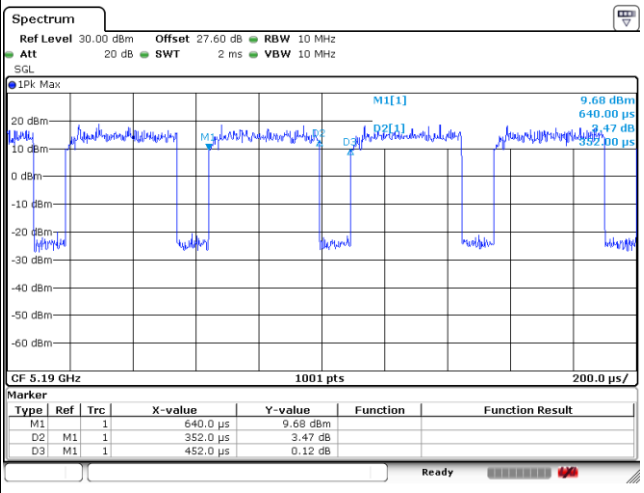
802.11a



802.11ac VHT20



802.11ac VHT40



802.11ac VHT80