FCC RADIO TEST REPORT

FCC ID	**:**	**PY7-45077R**
Equipment	**:**	**GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, GPS and NFC**
Brand Name	**:**	**Sony**
Applicant	**:**	**Sony Mobile Communications Inc. 4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan**
Manufacturer	**:**	**Sony Mobile Communications Inc. 4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 13, 2019 and testing was started from Dec. 06, 2019 and completed on Jan. 13, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issued Date
FR9O1524-02E	01	Initial issue of report	Jan. 30, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 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 3.45 dB at 5149.940 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 19.02 dB at 0.628 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: Ann Lee

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac, NFC, and GNSS.

Product Specification subjective to this standard	
Antenna Type	Inverted-F Type Antenna
Antenna Gain	**<5150 MHz ~ 5250 MHz> :** -1.04 dBi **<5250 MHz ~ 5350 MHz> :** -1.16 dBi **<5470 MHz ~ 5725 MHz> :** -2.53 dBi

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	s_atp_INDUS-ETS--190911-0636_A	BH95003NJB	RF Conducted Measurement
	s_atp_INDUS-ETS-191113-0236_A	BH9500DXJL	Radiated Spurious Emission
	2.39	BH95000VJL	Conducted Emission

Accessory List	
AC Adapter	Model Name : UCH20
	S/N: 3515W45302494
Earphone	Model Name : STH40D
	S/N : N/A
Bluetooth Earphone	Model Name : SBH82D
	S/N : N/A
USB Cable	Model Name : UCB20
	S/N : N/A

Note:

1. Above EUT list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report.
3. For other wireless features of this EUT, test report will be issued separately.

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.**
	03CH11-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.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + MPEG4 + USB Cable (Charging from Adapter) + Earphone + Bettery

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

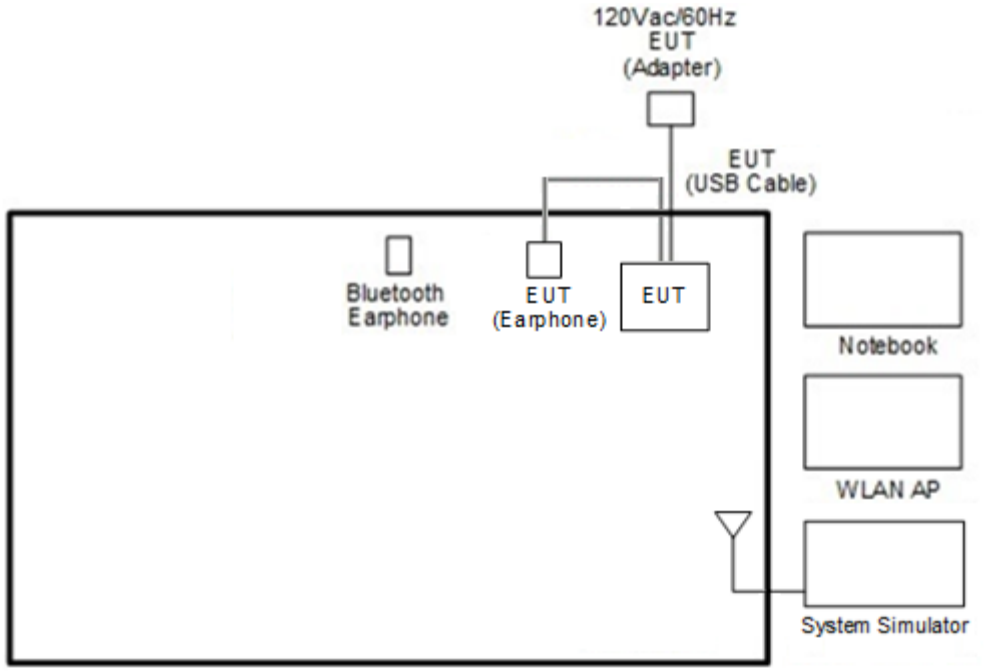
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

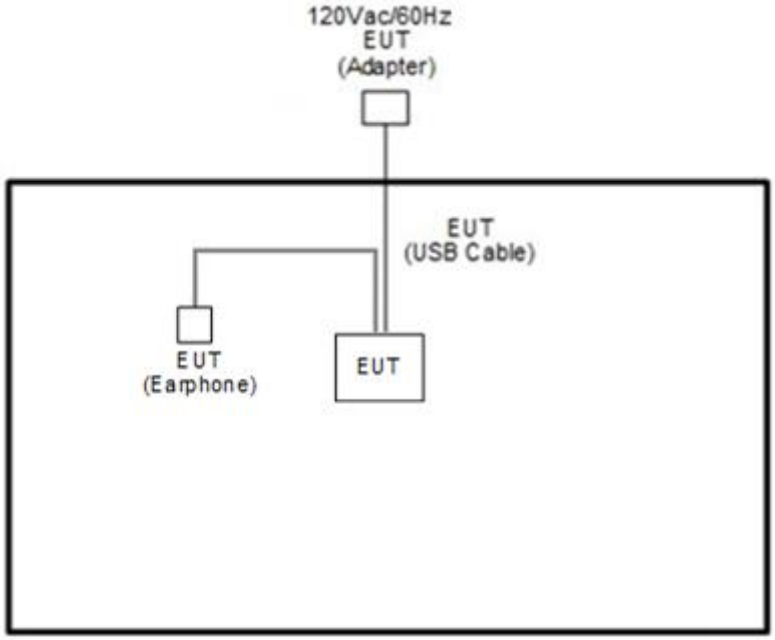
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude E3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “adb” 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 6dB & 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

For 26dB & 99OB

Section C) Emission bandwidth

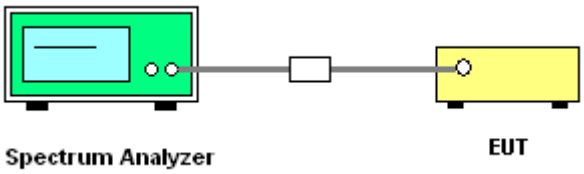
1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
6. 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.
7. Measure and record the results in the test report.

For 6dB

Section C) Emission bandwidth

1. Set RBW = 100kHz.
2. Set the VBW ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
6. Measure and record the results in the test report.

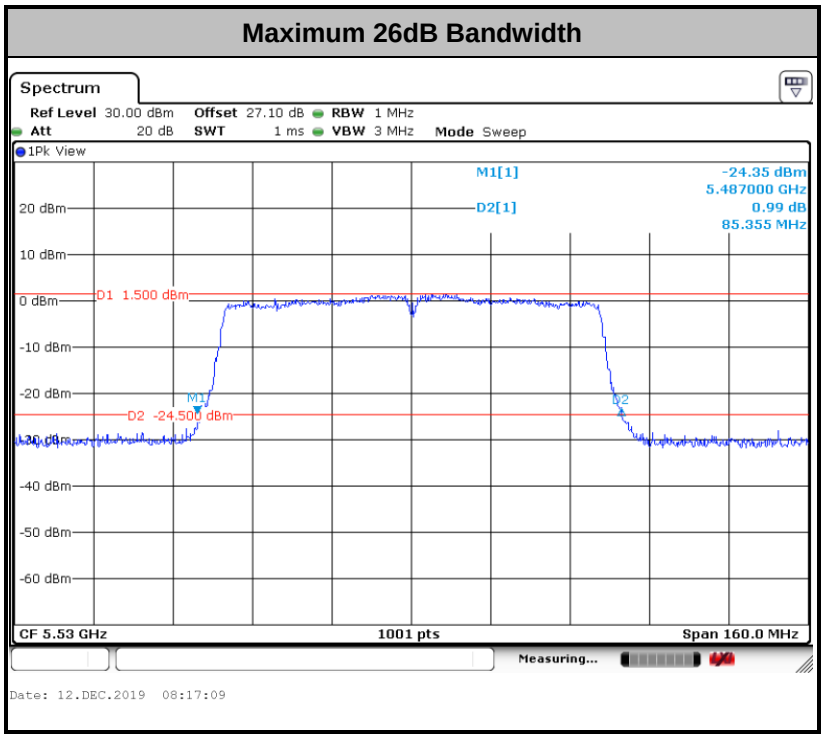
3.1.4 Test Setup



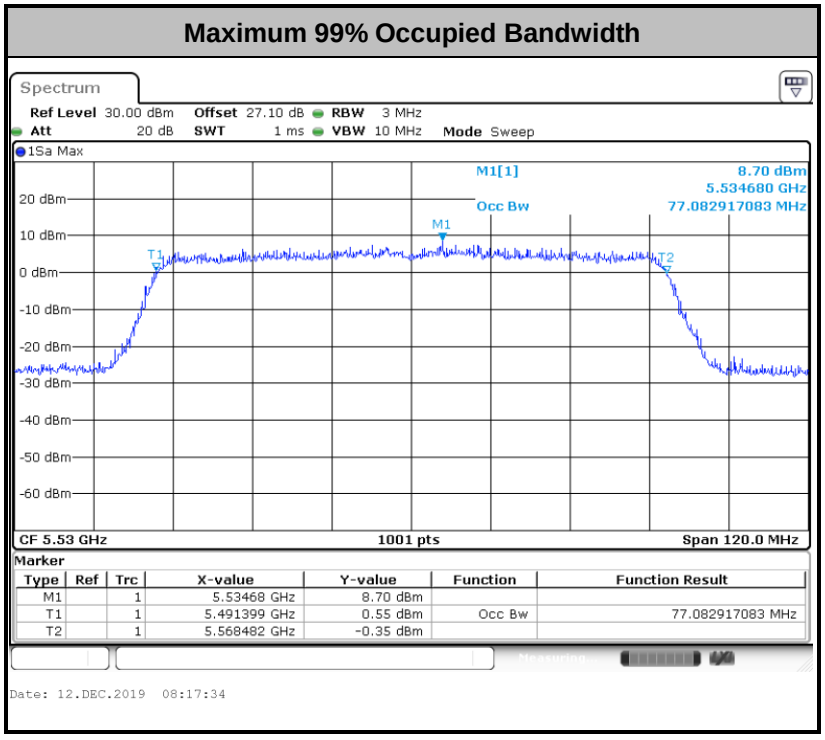
3.1.5 Test Result of 6dB & 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



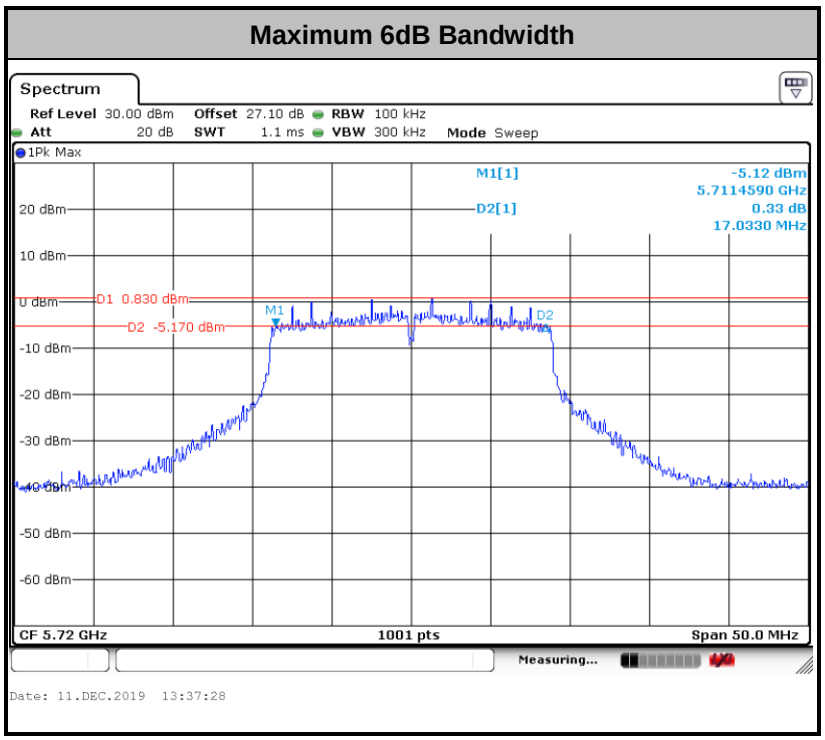
Maximum 99% Occupied Bandwidth



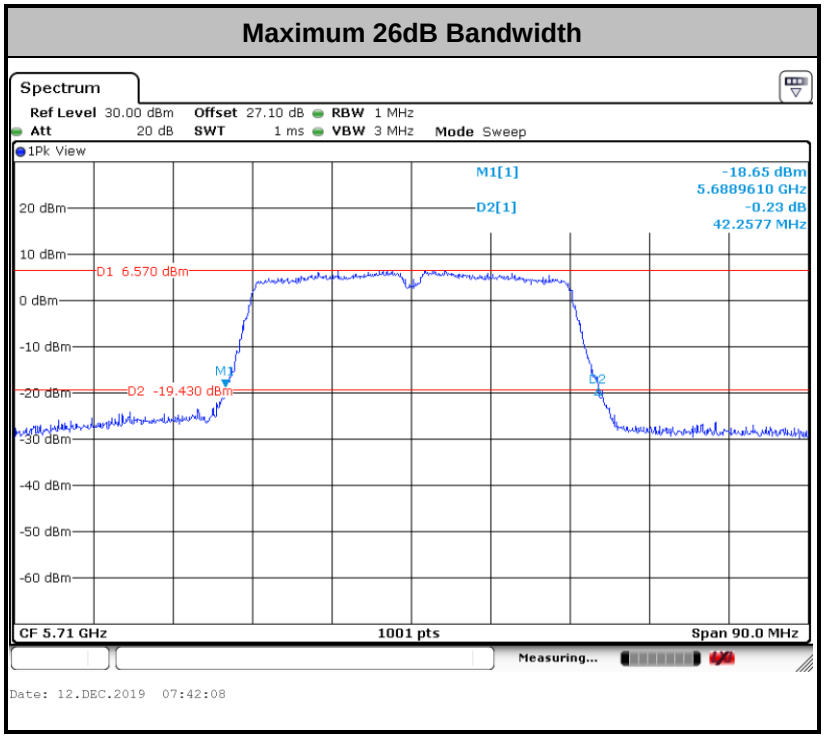
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<Straddle Channel>

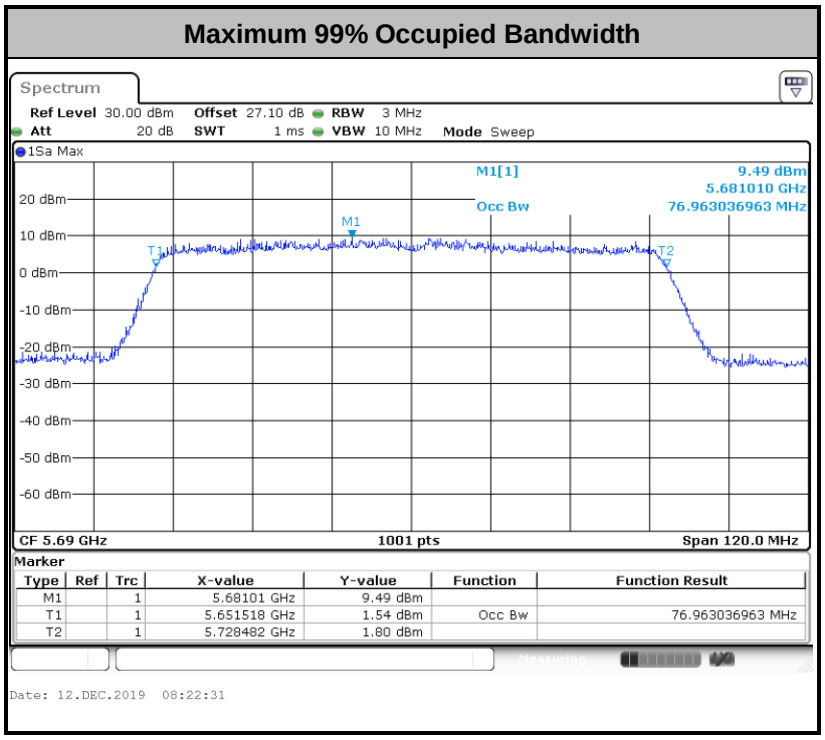
Maximum 6dB Bandwidth



Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

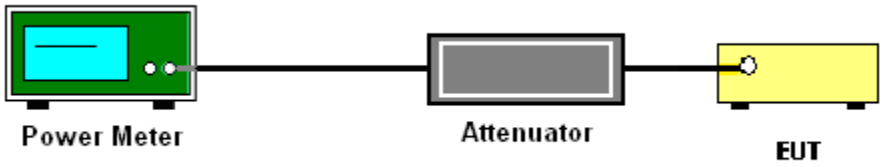
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

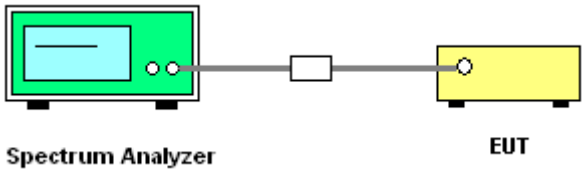
 # Method SA-3 #

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

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

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

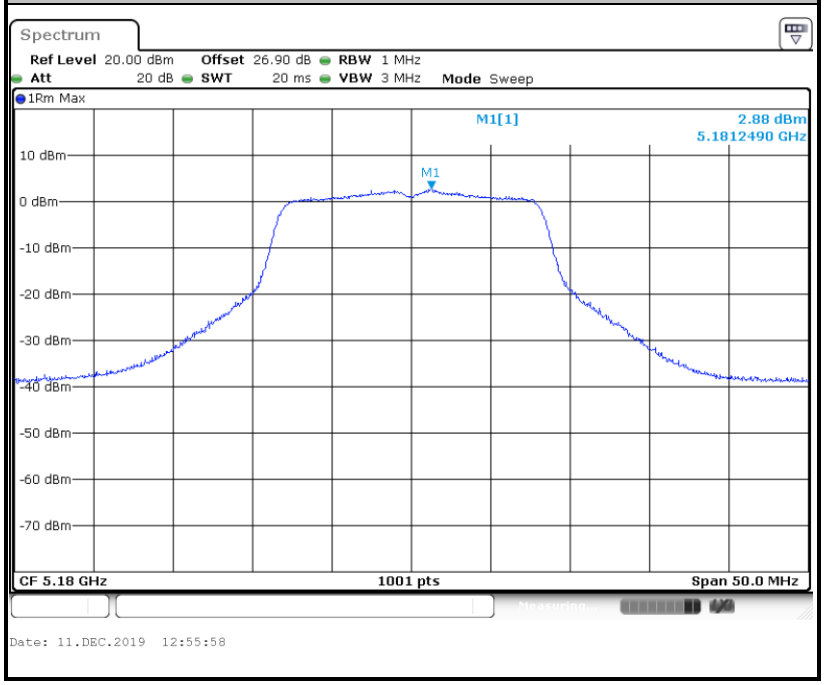
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

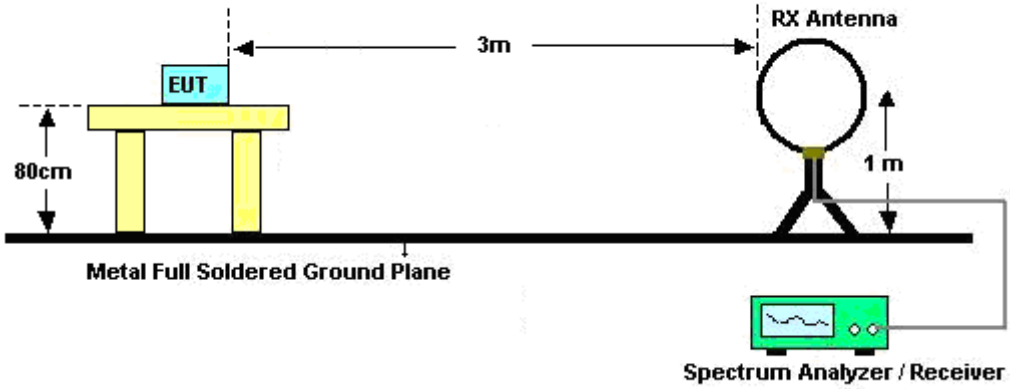
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

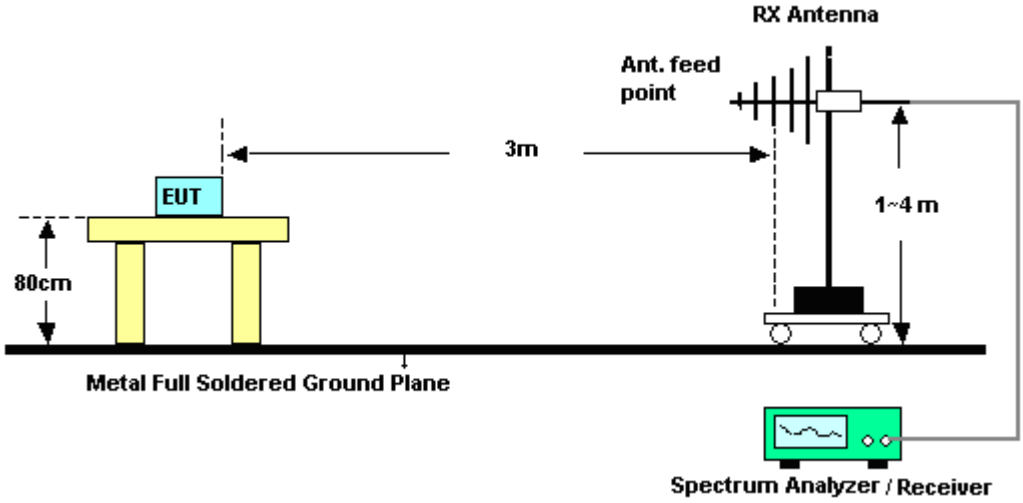
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

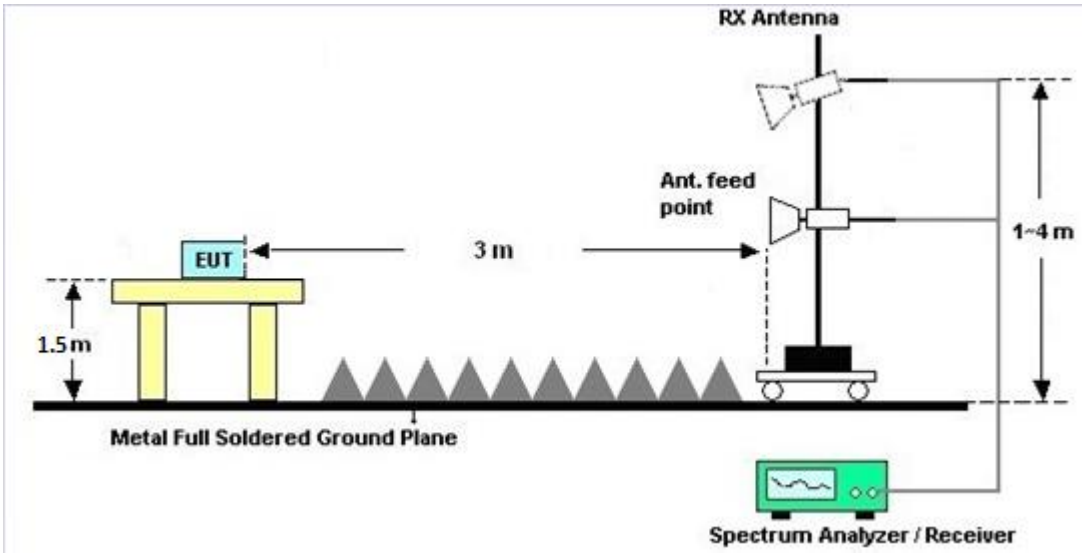
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

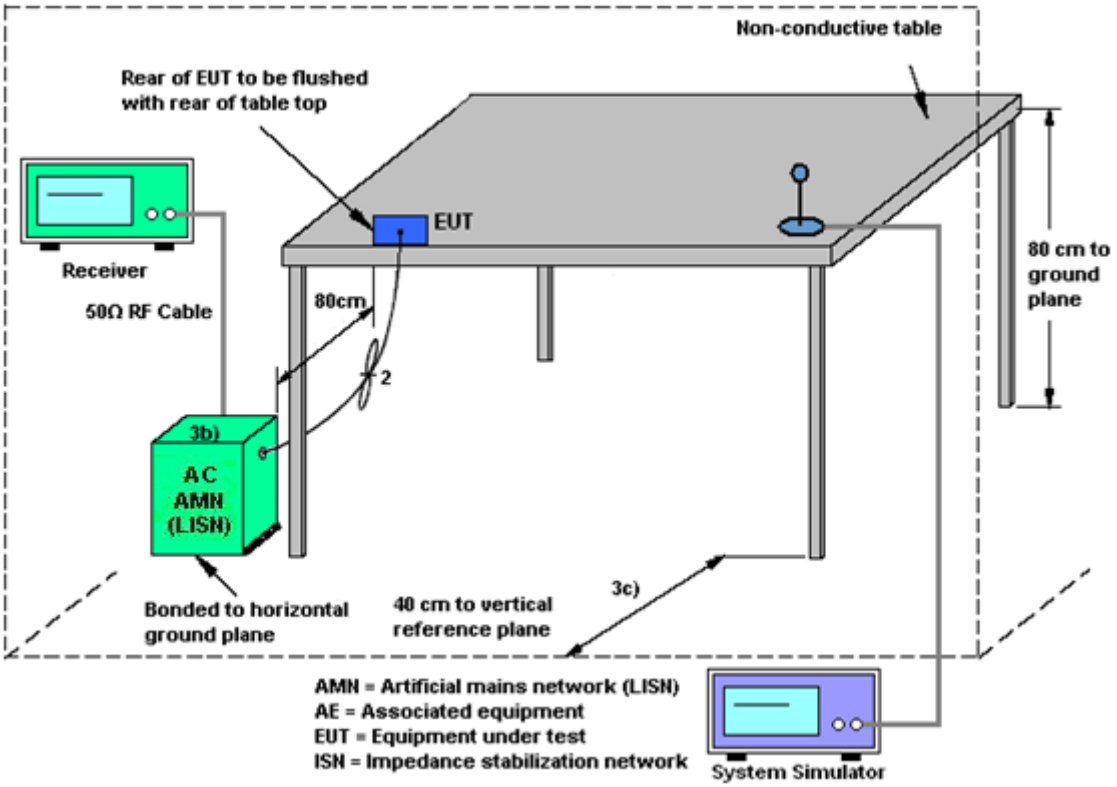
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

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

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

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

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

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

5180MHz

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Preamplifier	EMCE	EMC184045B	980192	18GHz ~ 40GHz	Aug. 01, 2019	Jan. 07, 2020~ Jan. 13, 2020	Jul. 31, 2020	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 03, 2019	Jan. 07, 2020~ Jan. 13, 2020	Dec. 02, 2020	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 12, 2019	Jan. 07, 2020~ Jan. 13, 2020	Oct. 11, 2020	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Nov. 04, 2019	Jan. 07, 2020~ Jan. 13, 2020	Nov. 03, 2020	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Dec. 26, 2019	Jan. 07, 2020~ Jan. 13, 2020	Dec. 25, 2020	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 13, 2019	Jan. 07, 2020~ Jan. 13, 2020	Nov. 12, 2020	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHz	Oct. 28, 2019	Jan. 07, 2020~ Jan. 13, 2020	Oct. 27, 2020	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 07, 2020~ Jan. 13, 2020	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jan. 07, 2020~ Jan. 13, 2020	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jan. 07, 2020~ Jan. 13, 2020	N/A	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Sep. 27, 2019	Jan. 07, 2020~ Jan. 13, 2020	Sep. 26, 2020	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180002	1GHz~18GHz	Aug. 01, 2019	Jan. 07, 2020~ Jan. 13, 2020	Jul. 31, 2020	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz- 40GHz	May 14, 2019	Jan. 07, 2020~ Jan. 13, 2020	May 13, 2020	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Mar. 08, 2019	Jan. 07, 2020~ Jan. 13, 2020	Mar. 07, 2020	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Jan. 07, 2020~ Jan. 13, 2020	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 13, 2019	Jan. 07, 2020~ Jan. 13, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 13, 2019	Jan. 07, 2020~ Jan. 13, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M-18G	Mar. 13, 2019	Jan. 07, 2020~ Jan. 13, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Jan. 07, 2020~ Jan. 13, 2020	Mar. 12, 2020	Radiation (03CH11-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 15, 2019	Jan. 07, 2020~ Jan. 13, 2020	Sep. 14, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass	Sep. 16, 2019	Jan. 07, 2020~ Jan. 13, 2020	Sep. 15, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP140325	N/A	Nov. 07, 2019	Jan. 07, 2020~ Jan. 13, 2020	Nov. 06, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP161237	N/A	Oct. 25, 2019	Jan. 07, 2020~ Jan. 13, 2020	Oct. 24, 2020	Radiation (03CH11-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 31, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Dec. 31, 2019	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Dec. 31, 2019	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Dec. 31, 2019	Nov. 19, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 31, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2019	Dec. 31, 2019	Jan. 02, 2020	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2019	Dec. 31, 2019	Jan. 02, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Dec. 06, 2019~ Dec. 12, 2019	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	Dec. 06, 2019~ Dec. 12, 2019	Dec. 18 2019	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	0932001	N/A	Oct. 03,2019	Dec. 06, 2019~ Dec. 12, 2019	Oct. 02,2020	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Oct. 03,2019	Dec. 06, 2019~ Dec. 12, 2019	Oct. 02,2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Jul. 15, 2019	Dec. 06, 2019~ Dec. 12, 2019	Jul. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Dec. 06, 2019~ Dec. 12, 2019	Mar. 26, 2020	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.00**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.20**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.20**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.12**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2019/12/6~2019/12/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.83	-	25.43	-	-		22.26	-	23.98	-	
11a	6Mbps	1	44	5220	16.88	-	24.93	-	-		22.27	-	23.98	-	
11a	6Mbps	1	48	5240	16.88	-	25.18	-	-		22.27	-	23.98	-	
HT20	MCS0	1	36	5180	17.98	-	26.92	-	-		22.55	-	23.98	-	
HT20	MCS0	1	44	5220	17.98	-	25.82	-	-		22.55	-	23.98	-	
HT20	MCS0	1	48	5240	17.98	-	26.77	-	-		22.55	-	23.98	-	
HT40	MCS0	1	38	5190	36.56	-	42.17	-	-		23.01	-	23.98	-	
HT40	MCS0	1	46	5230	36.66	-	42.35	-	-		23.01	-	23.98	-	
VHT80	MCS0	1	42	5210	76.72	-	83.44	-	-		23.01	-	23.98	-	

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	12.80	-	-	24.00	-	-1.04	-		Pass
11a	6Mbps	1	44	5220	12.60	-		24.00	-	-1.04	-		Pass
11a	6Mbps	1	48	5240	12.60	-		24.00	-	-1.04	-		Pass
HT20	MCS0	1	36	5180	12.70	-		24.00	-	-1.04	-		Pass
HT20	MCS0	1	44	5220	12.50	-		24.00	-	-1.04	-		Pass
HT20	MCS0	1	48	5240	12.60	-		24.00	-	-1.04	-		Pass
HT40	MCS0	1	38	5190	12.70	-		24.00	-	-1.04	-		Pass
HT40	MCS0	1	46	5230	12.60	-		24.00	-	-1.04	-		Pass
VHT20	MCS0	1	36	5180	12.60	-		24.00	-	-1.04	-		Pass
VHT20	MCS0	1	44	5220	12.40	-		24.00	-	-1.04	-		Pass
VHT20	MCS0	1	48	5240	12.50	-		24.00	-	-1.04	-		Pass
VHT40	MCS0	1	38	5190	12.60	-		24.00	-	-1.04	-		Pass
VHT40	MCS0	1	46	5230	12.50	-		24.00	-	-1.04	-		Pass
VHT80	MCS0	1	42	5210	12.60	-		24.00	-	-1.04	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	2.88	-		11.00	-	-1.04	-		Pass
11a	6Mbps	1	44	5220	2.59	-		11.00	-	-1.04	-		Pass
11a	6Mbps	1	48	5240	2.31	-		11.00	-	-1.04	-		Pass
HT20	MCS0	1	36	5180	2.29	-		11.00	-	-1.04	-		Pass
HT20	MCS0	1	44	5220	2.11	-	-	11.00	-	-1.04	-		Pass
HT20	MCS0	1	48	5240	2.51	-		11.00	-	-1.04	-		Pass
HT40	MCS0	1	38	5190	-1.08	-		11.00	-	-1.04	-		Pass
HT40	MCS0	1	46	5230	-1.13	-		11.00	-	-1.04	-		Pass
VHT80	MCS0	1	42	5210	-3.65	-		11.00	-	-1.04	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.83	-	25.67	-	23.26	-	29.26	-	23.98	-	
11a	6Mbps	1	60	5300	16.88	-	25.38	-	23.27	-	29.27	-	23.98	-	
11a	6Mbps	1	64	5320	16.83	-	24.98	-	23.26	-	29.26	-	23.98	-	
HT20	MCS0	1	52	5260	17.98	-	25.82	-	23.55	-	29.55	-	23.98	-	
HT20	MCS0	1	60	5300	17.98	-	26.27	-	23.55	-	29.55	-	23.98	-	
HT20	MCS0	1	64	5320	17.98	-	25.72	-	23.55	-	29.55	-	23.98	-	
HT40	MCS0	1	54	5270	36.66	-	42.08	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.56	-	42.26	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	76.72	-	84.72	-	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	12.50	-	-	23.98	-	-1.16	-	30	Pass
11a	6Mbps	1	60	5300	12.60	-		23.98	-	-1.16	-	30	Pass
11a	6Mbps	1	64	5320	12.70	-		23.98	-	-1.16	-	30	Pass
HT20	MCS0	1	52	5260	12.50	-		23.98	-	-1.16	-	30	Pass
HT20	MCS0	1	60	5300	12.50	-		23.98	-	-1.16	-	30	Pass
HT20	MCS0	1	64	5320	12.60	-		23.98	-	-1.16	-	30	Pass
HT40	MCS0	1	54	5270	12.50	-		23.98	-	-1.16	-	30	Pass
HT40	MCS0	1	62	5310	12.60	-		23.98	-	-1.16	-	30	Pass
VHT20	MCS0	1	52	5260	12.40	-		23.98	-	-1.16	-	30	Pass
VHT20	MCS0	1	60	5300	12.40	-		23.98	-	-1.16	-	30	Pass
VHT20	MCS0	1	64	5320	12.50	-		23.98	-	-1.16	-	30	Pass
VHT40	MCS0	1	54	5270	12.40	-		23.98	-	-1.16	-	30	Pass
VHT40	MCS0	1	62	5310	12.50	-		23.98	-	-1.16	-	30	Pass
VHT80	MCS0	1	58	5290	12.50	-		23.98	-	-1.16	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	2.43	-		11.00	-	-1.16	-		Pass
11a	6Mbps	1	60	5300	2.76	-		11.00	-	-1.16	-		Pass
11a	6Mbps	1	64	5320	2.69	-		11.00	-	-1.16	-		Pass
HT20	MCS0	1	52	5260	2.10	-		11.00	-	-1.16	-		Pass
HT20	MCS0	1	60	5300	2.40	-	-	11.00	-	-1.16	-		Pass
HT20	MCS0	1	64	5320	2.25	-		11.00	-	-1.16	-		Pass
HT40	MCS0	1	54	5270	-0.99	-		11.00	-	-1.16	-		Pass
HT40	MCS0	1	62	5310	-1.29	-		11.00	-	-1.16	-		Pass
VHT80	MCS0	1	58	5290	-3.60	-		11.00	-	-1.16	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.88	-	25.52	-	23.27	-	29.27	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.93	-	24.83	-	23.29	-	29.29	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.93	-	25.28	-	23.29	-	29.29	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.98	-	26.02	-	23.55	-	29.55	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.03	-	25.77	-	23.56	-	29.56	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.98	-	26.82	-	23.55	-	29.55	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.56	-	42.26	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.56	-	42.35	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.66	-	41.90	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	77.08	-	85.36	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	76.96	-	85.04	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	144	5720	13.44	-	17.49	-	22.28	-	28.28	-	23.43	-	2.892	-
HT20	MCS0	1	144	5720	13.99	-	17.84	-	22.46	-	28.46	-	23.51	-	3.492	-
HT40	MCS0	1	142	5710	33.28	-	36.04	-	23.98	-	30.00	-	23.98	-	2.884	-
VHT80	MCS0	1	138	5690	73.48	-	77.20	-	23.98	-	30.00	-	23.98	-	2.565	-

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	12.50	-		23.98	-	-2.53	-	30	Pass
11a	6Mbps	1	116	5580	12.40	-		23.98	-	-2.53	-	30	Pass
11a	6Mbps	1	140	5700	12.40	-		23.98	-	-2.53	-	30	Pass
HT20	MCS0	1	100	5500	12.50	-		23.98	-	-2.53	-	30	Pass
HT20	MCS0	1	116	5580	12.50	-		23.98	-	-2.53	-	30	Pass
HT20	MCS0	1	140	5700	12.60	-		23.98	-	-2.53	-	30	Pass
HT40	MCS0	1	102	5510	12.40	-		23.98	-	-2.53	-	30	Pass
HT40	MCS0	1	110	5550	12.30	-		23.98	-	-2.53	-	30	Pass
HT40	MCS0	1	134	5670	12.20	-	-	23.98	-	-2.53	-	30	Pass
VHT20	MCS0	1	100	5500	12.40	-		23.98	-	-2.53	-	30	Pass
VHT20	MCS0	1	116	5580	12.40	-		23.98	-	-2.53	-	30	Pass
VHT20	MCS0	1	140	5700	12.50	-		23.98	-	-2.53	-	30	Pass
VHT40	MCS0	1	102	5510	12.30	-		23.98	-	-2.53	-	30	Pass
VHT40	MCS0	1	110	5550	12.20	-		23.98	-	-2.53	-	30	Pass
VHT40	MCS0	1	134	5670	12.10	-		23.98	-	-2.53	-	30	Pass
VHT80	MCS0	1	106	5530	10.60	-		23.98	-	-2.53	-	30	Pass
VHT80	MCS0	1	122	5610	12.20	-		23.98	-	-2.53	-	30	Pass

FCC Band III straddle channel single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	12.30	-		23.43	-	-2.53	-	30	Pass
HT20	MCS0	1	144	5720	12.50	-		23.51	-	-2.53	-	30	Pass
HT40	MCS0	1	142	5710	12.30	-		23.98	-	-2.53	-	30	Pass
VHT20	MCS0	1	144	5720	12.40	-	-	23.51	-	-2.53	-	30	Pass
VHT40	MCS0	1	142	5710	12.20	-		23.98	-	-2.53	-	30	Pass
VHT80	MCS0	1	138	5690	12.10	-		23.98	-	-2.53	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	2.39	-		11.00	-	-2.53	-		Pass
11a	6Mbps	1	116	5580	2.51	-		11.00	-	-2.53	-		Pass
11a	6Mbps	1	140	5700	1.93	-		11.00	-	-2.53	-		Pass
HT20	MCS0	1	100	5500	2.17	-		11.00	-	-2.53	-		Pass
HT20	MCS0	1	116	5580	1.98	-		11.00	-	-2.53	-		Pass
HT20	MCS0	1	140	5700	2.11	-	-	11.00	-	-2.53	-		Pass
HT40	MCS0	1	102	5510	-1.40	-		11.00	-	-2.53	-		Pass
HT40	MCS0	1	110	5550	-1.29	-		11.00	-	-2.53	-		Pass
HT40	MCS0	1	134	5670	-1.43	-		11.00	-	-2.53	-		Pass
VHT80	MCS0	1	106	5530	-5.74	-		11.00	-	-2.53	-		Pass
VHT80	MCS0	1	122	5610	-4.00	-		11.00	-	-2.53	-		Pass

Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	2.16	-		11.00	-	-2.53	-		Pass
HT20	MCS0	1	144	5720	2.22	-		11.00	-	-2.53	-		Pass
HT40	MCS0	1	142	5710	-1.13	-	-	11.00	-	-2.53	-		Pass
VHT80	MCS0	1	138	5690	-3.74	-		11.00	-	-2.53	-		Pass

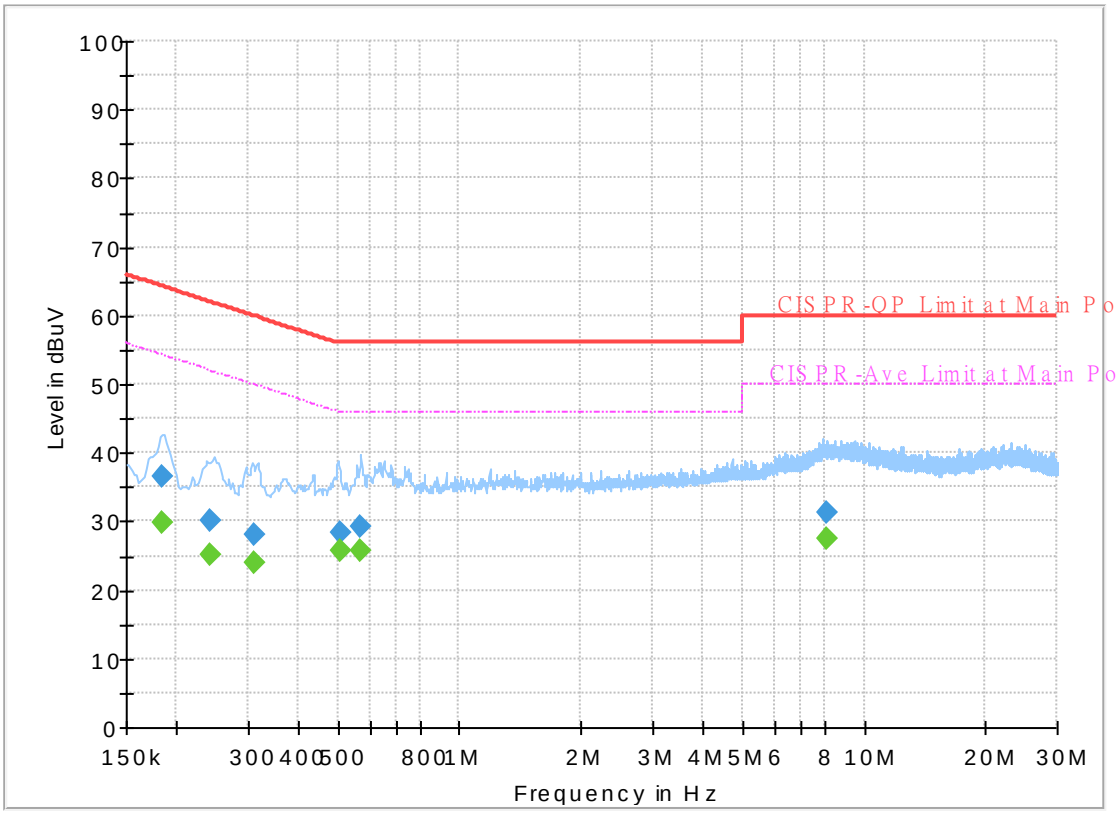
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	22~25℃
		Relative Humidity :	45~52%

EUT Information

Report NO :	9O1524-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



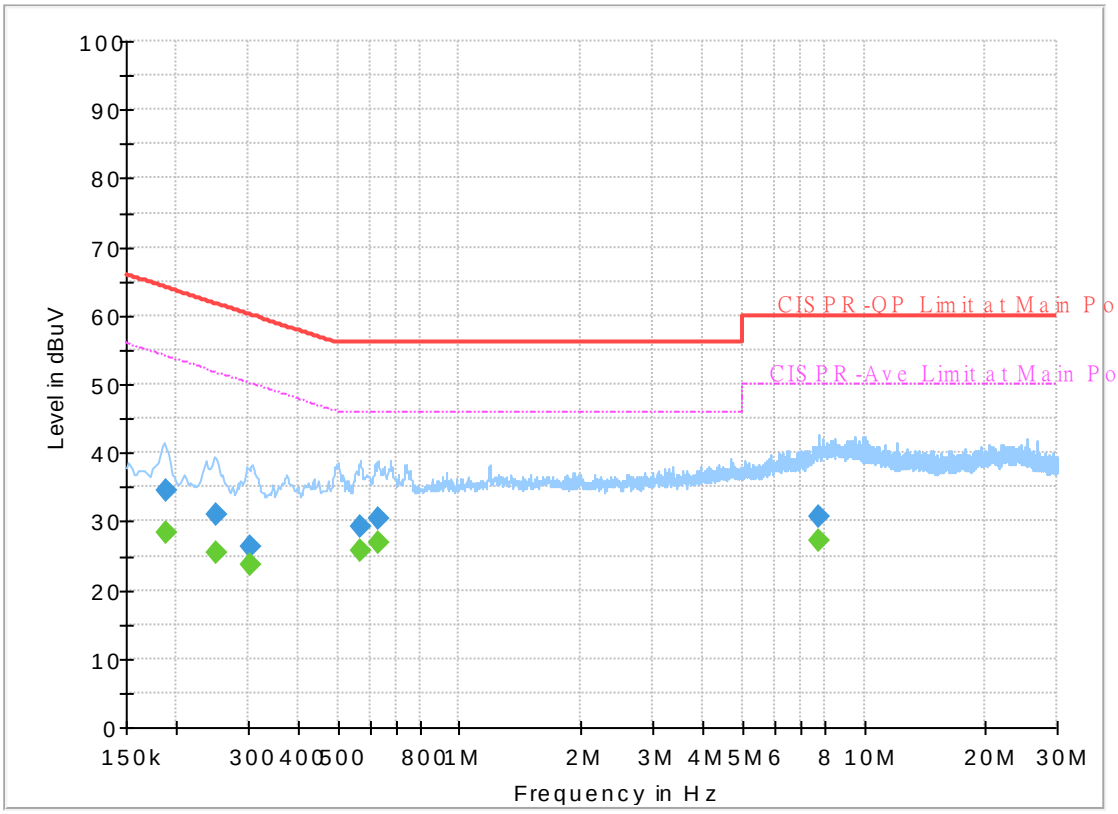
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.184290	---	29.77	54.29	24.52	L1	OFF	19.5
0.184290	36.67	---	64.29	27.62	L1	OFF	19.5
0.243420	---	25.23	51.98	26.75	L1	OFF	19.5
0.243420	30.23	---	61.98	31.75	L1	OFF	19.5
0.312000	---	23.90	49.92	26.02	L1	OFF	19.5
0.312000	28.12	---	59.92	31.80	L1	OFF	19.5
0.505500	---	25.76	46.00	20.24	L1	OFF	19.5
0.505500	28.41	---	56.00	27.59	L1	OFF	19.5
0.566340	---	25.67	46.00	20.33	L1	OFF	19.5
0.566340	29.16	---	56.00	26.84	L1	OFF	19.5
8.128410	---	27.52	50.00	22.48	L1	OFF	19.8
8.128410	31.32	---	60.00	28.68	L1	OFF	19.8

EUT Information

Report NO :	9O1524-02
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)
0.188070	---	28.40	54.12	25.72	N	OFF	19.5
0.188070	34.39	---	64.12	29.73	N	OFF	19.5
0.249450	---	25.55	51.78	26.23	N	OFF	19.5
0.249450	31.07	---	61.78	30.71	N	OFF	19.5
0.303000	---	23.69	50.16	26.47	N	OFF	19.5
0.303000	26.28	---	60.16	33.88	N	OFF	19.5
0.566430	---	25.77	46.00	20.23	N	OFF	19.6
0.566430	29.12	---	56.00	26.88	N	OFF	19.6
0.627540	---	26.98	46.00	19.02	N	OFF	19.6
0.627540	30.41	---	56.00	25.59	N	OFF	19.6
7.748250	---	27.31	50.00	22.69	N	OFF	19.9
7.748250	30.78	---	60.00	29.22	N	OFF	19.9

Appendix C. Radiated Spurious Emission

Test Engineer :	Cookie Ku, Fu Chen, and Troye Hsieh	Temperature :	20.2~26.4°C
		Relative Humidity :	43.1~69.3%

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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5133.12	50.46	-23.54	74	41.46	31.8	10.02	32.82	270	358	P	H
		5132.08	41.32	-12.68	54	32.33	31.8	10.02	32.83	270	358	A	H
	*	5180	104	-	-	95.1	31.62	10.07	32.79	270	358	P	H
	*	5180	95.73	-	-	86.83	31.62	10.07	32.79	270	358	A	H
		5129.74	50.82	-23.18	74	41.84	31.8	10.01	32.83	292	282	P	V
		5149.76	41.06	-12.94	54	32.04	31.8	10.03	32.81	292	282	A	V
	*	5180	101.26	-	-	92.36	31.62	10.07	32.79	292	282	P	V
	*	5180	93.08	-	-	84.18	31.62	10.07	32.79	292	282	A	V
802.11a CH 44 5220MHz		5085.8	51.17	-22.83	74	42.36	31.71	9.96	32.86	239	360	P	H
		5147.94	41.09	-12.91	54	32.08	31.8	10.03	32.82	239	360	A	H
	*	5220	105.34	-	-	96.55	31.46	10.1	32.77	239	360	P	H
	*	5220	96.96	-	-	88.17	31.46	10.1	32.77	239	360	A	H
		5437.44	49.74	-24.26	74	40.49	31.67	10.21	32.63	239	360	P	H
		5458.32	39.88	-14.12	54	30.53	31.73	10.24	32.62	239	360	A	H
		5072.8	50.81	-23.19	74	42.08	31.64	9.95	32.86	326	281	P	V
		5100.1	40.92	-13.08	54	31.99	31.8	9.98	32.85	326	281	A	V
	*	5220	101.47	-	-	92.68	31.46	10.1	32.77	326	281	P	V
	*	5220	93.77	-	-	84.98	31.46	10.1	32.77	326	281	A	V
		5451.12	50.64	-23.36	74	41.33	31.7	10.23	32.62	326	281	P	V
		5459.28	39.86	-14.14	54	30.5	31.74	10.24	32.62	326	281	A	V

802.11a CH 48 5240MHz		5086.06	51.4	-22.6	74	42.57	31.72	9.96	32.85	252	360	P	H
		5119.86	41.01	-12.99	54	32.04	31.8	10	32.83	252	360	A	H
	*	5240	106.12	-	-	97.36	31.42	10.1	32.76	252	360	P	H
	*	5240	97.68	-	-	88.92	31.42	10.1	32.76	252	360	A	H
		5426.64	50.35	-23.65	74	41.15	31.65	10.19	32.64	252	360	P	H
		5359.92	39.95	-14.05	54	31.13	31.36	10.14	32.68	252	360	A	H
		5119.6	52.86	-21.14	74	43.89	31.8	10	32.83	382	286	P	V
		5093.86	40.83	-13.17	54	31.95	31.76	9.97	32.85	382	286	A	V
	*	5240	102.11	-	-	93.35	31.42	10.1	32.76	382	286	P	V
	*	5240	94.05	-	-	85.29	31.42	10.1	32.76	382	286	A	V
		5450.64	49.78	-24.22	74	40.47	31.7	10.23	32.62	382	286	P	V
		5459.76	39.87	-14.13	54	30.51	31.74	10.24	32.62	382	286	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.91	-20.29	68.2	55.63	39.8	16.35	63.87	100	0	P	H
		15540	43.11	-30.89	74	46.57	37.84	20.62	61.92	100	0	P	H
													H
													H
		10360	47.82	-20.38	68.2	55.54	39.8	16.35	63.87	100	0	P	V
		15540	43.05	-30.95	74	46.51	37.84	20.62	61.92	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.01	-20.19	68.2	55.42	39.96	16.4	63.77	100	0	P	H
		15660	44.28	-29.72	74	48.22	37.42	20.6	61.96	100	0	P	H
													H
													H
		10440	48.5	-19.7	68.2	55.91	39.96	16.4	63.77	100	0	P	V
		15660	44.47	-29.53	74	48.41	37.42	20.6	61.96	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.73	-21.47	68.2	54.1	39.92	16.43	63.72	100	0	P	H
		15720	42.94	-31.06	74	47.07	37.28	20.58	61.99	100	0	P	H
													H
													H
		10480	46.02	-22.18	68.2	53.39	39.92	16.43	63.72	100	0	P	V
		15720	42.86	-31.14	74	46.99	37.28	20.58	61.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5118.04	50.38	-23.62	74	41.41	31.8	10	32.83	269	360	P	H
		5146.9	41.76	-12.24	54	32.75	31.8	10.03	32.82	269	360	A	H
	*	5180	103.9	-	-	95	31.62	10.07	32.79	269	360	P	H
	*	5180	95.84	-	-	86.94	31.62	10.07	32.79	269	360	A	H
802.11n													H
HT20													H
CH 36		5097.24	50.75	-23.25	74	41.84	31.78	9.98	32.85	310	279	P	V
5180MHz		5132.08	41.47	-12.53	54	32.48	31.8	10.02	32.83	310	279	A	V
	*	5180	100.48	-	-	91.58	31.62	10.07	32.79	310	279	P	V
	*	5180	92.4	-	-	83.5	31.62	10.07	32.79	310	279	A	V
													V
													V
		5034.84	50.19	-23.81	74	41.73	31.44	9.91	32.89	235	360	P	H
		5099.84	41.88	-12.12	54	32.95	31.8	9.98	32.85	235	360	A	H
	*	5220	104.67	-	-	95.88	31.46	10.1	32.77	235	360	P	H
	*	5220	96.42	-	-	87.63	31.46	10.1	32.77	235	360	A	H
802.11n		5442.24	49.29	-24.71	74	40.02	31.68	10.22	32.63	235	360	P	H
HT20		5457.6	40.08	-13.92	54	30.73	31.73	10.24	32.62	235	360	A	H
CH 44		5101.4	50.58	-23.42	74	41.65	31.8	9.98	32.85	325	281	P	V
5220MHz		5102.18	41.22	-12.78	54	32.28	31.8	9.98	32.84	325	281	A	V
	*	5220	101.36	-	-	92.57	31.46	10.1	32.77	325	281	P	V
	*	5220	93.5	-	-	84.71	31.46	10.1	32.77	325	281	A	V
		5430.48	48.95	-25.05	74	39.72	31.66	10.2	32.63	325	281	P	V
		5456.64	40.18	-13.82	54	30.83	31.73	10.24	32.62	325	281	A	V

		5068.38	50.88	-23.12	74	42.19	31.61	9.95	32.87	252	360	P	H
		5096.98	41.24	-12.76	54	32.33	31.78	9.98	32.85	252	360	A	H
	*	5240	105.23	-	-	96.47	31.42	10.1	32.76	252	360	P	H
	*	5240	97.09	-	-	88.33	31.42	10.1	32.76	252	360	A	H
802.11n		5358.96	49.58	-24.42	74	40.77	31.35	10.14	32.68	252	360	P	H
HT20		5360.16	40.34	-13.66	54	31.52	31.36	10.14	32.68	252	360	A	H
CH 48		5116.48	51.2	-22.8	74	42.24	31.8	10	32.84	299	277	P	V
5240MHz		5094.64	41.2	-12.8	54	32.31	31.77	9.97	32.85	299	277	A	V
	*	5240	101.92	-	-	93.16	31.42	10.1	32.76	299	277	P	V
	*	5240	94.02	-	-	85.26	31.42	10.1	32.76	299	277	A	V
		5422.08	49.6	-24.4	74	40.42	31.64	10.18	32.64	299	277	P	V
		5359.92	40.41	-13.59	54	31.59	31.36	10.14	32.68	299	277	A	V

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

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	47.55	-20.65	68.2	55.27	39.8	16.35	63.87	100	0	P	H
		15540	43.57	-30.43	74	47.03	37.84	20.62	61.92	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.41	-21.79	68.2	54.13	39.8	16.35	63.87	100	0	P	V
5180MHz		15540	43.41	-30.59	74	46.87	37.84	20.62	61.92	100	0	P	V
													V
													V
		10440	47.81	-20.39	68.2	55.22	39.96	16.4	63.77	100	0	P	H
		15660	43.32	-30.68	74	47.26	37.42	20.6	61.96	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	47.93	-20.27	68.2	55.34	39.96	16.4	63.77	100	0	P	V
5220MHz		15660	43.74	-30.26	74	47.68	37.42	20.6	61.96	100	0	P	V
													V
													V
		10480	47.07	-21.13	68.2	54.44	39.92	16.43	63.72	100	0	P	H
		15720	45.07	-28.93	74	49.2	37.28	20.58	61.99	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.21	-21.99	68.2	53.58	39.92	16.43	63.72	100	0	P	V
5240MHz		15720	43.32	-30.68	74	47.45	37.28	20.58	61.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5069.94	61.39	-12.61	74	52.69	31.62	9.95	32.87	190	0	P	H
		5149.76	48.05	-5.95	54	39.03	31.8	10.03	32.81	190	0	A	H
	*	5190	102.51	-	-	93.66	31.56	10.08	32.79	190	0	P	H
	*	5190	94.54	-	-	85.69	31.56	10.08	32.79	190	0	A	H
		5425.28	50.61	-23.39	74	41.41	31.65	10.19	32.64	190	0	P	H
		5459.44	40.61	-13.39	54	31.25	31.74	10.24	32.62	190	0	A	H
		5070.46	56.96	-17.04	74	48.25	31.62	9.95	32.86	345	272	P	V
		5069.94	44.96	-9.04	54	36.26	31.62	9.95	32.87	345	272	A	V
	*	5190	97.99	-	-	89.14	31.56	10.08	32.79	345	272	P	V
	*	5190	90.61	-	-	81.76	31.56	10.08	32.79	345	272	A	V
		5459.44	49.35	-24.65	74	39.99	31.74	10.24	32.62	345	272	P	V
		5456.36	40.35	-13.65	54	31	31.73	10.24	32.62	345	272	A	V
802.11n HT40 CH 46 5230MHz		5110.24	60.79	-13.21	74	51.84	31.8	9.99	32.84	315	356	P	H
		5109.72	47.35	-6.65	54	38.4	31.8	9.99	32.84	315	356	A	H
	*	5230	102.07	-	-	93.29	31.44	10.1	32.76	315	356	P	H
	*	5230	93.68	-	-	84.9	31.44	10.1	32.76	315	356	A	H
		5350.12	62.97	-11.03	74	54.22	31.3	10.14	32.69	315	356	P	H
		5350.12	47.88	-6.12	54	39.13	31.3	10.14	32.69	315	356	A	H
		5109.98	56.64	-17.36	74	47.69	31.8	9.99	32.84	306	284	P	V
		5109.98	43.74	-10.26	54	34.79	31.8	9.99	32.84	306	284	A	V
	*	5230	97.7	-	-	88.92	31.44	10.1	32.76	306	284	P	V
	*	5230	89.72	-	-	80.94	31.44	10.1	32.76	306	284	A	V
		5350.39	56.43	-17.57	74	47.68	31.3	10.14	32.69	306	284	P	V
		5350.12	43.82	-10.18	54	35.07	31.3	10.14	32.69	306	284	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.61	-21.59	68.2	54.18	39.9	16.37	63.84	100	0	P	H
		15570	44.27	-29.73	74	47.86	37.72	20.62	61.93	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	48.32	-19.88	68.2	55.89	39.9	16.37	63.84	100	0	P	V
5190MHz		15570	43.49	-30.51	74	47.08	37.72	20.62	61.93	100	0	P	V
													V
													V
		10460	47.03	-21.17	68.2	51.94	39.94	16.42	61.27	100	0	P	H
		15690	47.15	-26.85	74	49.77	37.33	20.59	60.54	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	47.78	-20.42	68.2	52.69	39.94	16.42	61.27	100	0	P	V
5230MHz		15690	45.94	-28.06	74	48.56	37.33	20.59	60.54	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	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		5090.48	60.82	-13.18	74	51.96	31.74	9.97	32.85	400	5	P	H
		5089.96	47.32	-6.68	54	38.46	31.74	9.97	32.85	400	5	A	H
	*	5210	98.79	-	-	90	31.48	10.09	32.78	400	5	P	H
	*	5210	90.82	-	-	82.03	31.48	10.09	32.78	400	5	A	H
		5443.76	49.44	-24.56	74	40.16	31.69	10.22	32.63	400	5	P	H
		5353.88	40.51	-13.49	54	31.73	31.32	10.14	32.68	400	5	A	H
		5140.4	53.65	-20.35	74	44.65	31.8	10.02	32.82	300	284	P	V
		5147.94	45.52	-8.48	54	36.51	31.8	10.03	32.82	300	284	A	V
	*	5210	95.17	-	-	86.38	31.48	10.09	32.78	300	284	P	V
	*	5210	87.57	-	-	78.78	31.48	10.09	32.78	300	284	A	V
		5429.76	49.82	-24.18	74	40.59	31.66	10.2	32.63	300	284	P	V
		5459.72	40.78	-13.22	54	31.42	31.74	10.24	32.62	300	284	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.81	-21.39	68.2	54.24	39.98	16.39	63.8	100	0	P	H
		15630	42.76	-31.24	74	46.6	37.51	20.6	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	46.68	-21.52	68.2	54.11	39.98	16.39	63.8	100	0	P	V
5210MHz		15630	42.93	-31.07	74	46.77	37.51	20.6	61.95	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5131.92	50.67	-23.33	74	41.68	31.8	10.02	32.83	275	360	P	H
		5140.08	41.14	-12.86	54	32.14	31.8	10.02	32.82	275	360	A	H
	*	5260	105.51	-	-	96.74	31.4	10.11	32.74	275	360	P	H
	*	5260	97.65	-	-	88.88	31.4	10.11	32.74	275	360	A	H
		5452.56	50.19	-23.81	74	40.87	31.71	10.23	32.62	275	360	P	H
		5380.08	39.96	-14.04	54	31.01	31.48	10.14	32.67	275	360	A	H
		5113.22	51.01	-22.99	74	42.06	31.8	9.99	32.84	306	282	P	V
		5100.98	40.9	-13.1	54	31.97	31.8	9.98	32.85	306	282	A	V
	*	5260	102.57	-	-	93.8	31.4	10.11	32.74	306	282	P	V
	*	5260	94.45	-	-	85.68	31.4	10.11	32.74	306	282	A	V
		5391.36	48.52	-25.48	74	39.48	31.55	10.15	32.66	306	282	P	V
		5459.76	39.89	-14.11	54	30.53	31.74	10.24	32.62	306	282	A	V
802.11a CH 60 5300MHz		5007.48	50.5	-23.5	74	42.2	31.33	9.88	32.91	247	360	P	H
		5103.36	40.85	-13.15	54	31.91	31.8	9.98	32.84	247	360	A	H
	*	5300	106.59	-	-	97.79	31.4	10.12	32.72	247	360	P	H
	*	5300	97.77	-	-	88.97	31.4	10.12	32.72	247	360	A	H
		5368.8	48.79	-25.21	74	39.91	31.41	10.14	32.67	247	360	P	H
		5350.56	40.32	-13.68	54	31.57	31.3	10.14	32.69	247	360	A	H
		5140.42	49.91	-24.09	74	40.91	31.8	10.02	32.82	299	282	P	V
		5095.2	40.83	-13.17	54	31.94	31.77	9.97	32.85	299	282	A	V
	*	5300	103.01	-	-	94.21	31.4	10.12	32.72	299	282	P	V
	*	5300	94.98	-	-	86.18	31.4	10.12	32.72	299	282	A	V
		5372.16	52.82	-21.18	74	43.92	31.43	10.14	32.67	299	282	P	V
		5460	39.87	-14.13	54	30.51	31.74	10.24	32.62	299	282	A	V

802.11a CH 64 5320MHz	*	5320	106.67	-	-	97.89	31.36	10.13	32.71	258	360	P	H
	*	5320	98.13	-	-	89.35	31.36	10.13	32.71	258	360	A	H
		5353.92	57.59	-16.41	74	48.81	31.32	10.14	32.68	258	360	P	H
		5350.08	41.03	-12.97	54	32.28	31.3	10.14	32.69	258	360	A	H
													H
													H
	*	5320	103.42	-	-	94.64	31.36	10.13	32.71	299	283	P	V
	*	5320	94.56	-	-	85.78	31.36	10.13	32.71	299	283	A	V
		5350.08	52.54	-21.46	74	43.79	31.3	10.14	32.69	299	283	P	V
		5351.68	39.99	-14.01	54	31.22	31.31	10.14	32.68	299	283	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.9	-19.3	68.2	56.23	39.9	16.46	63.69	100	0	P	H
		15780	45.71	-28.29	74	49.93	37.22	20.57	62.01	100	0	P	H
													H
													H
		10520	48.38	-19.82	68.2	55.71	39.9	16.46	63.69	100	0	P	V
		15780	44.72	-29.28	74	48.94	37.22	20.57	62.01	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.59	-26.41	74	54.82	39.9	16.51	63.64	100	0	P	H
		15900	43.28	-30.72	74	47.9	36.9	20.54	62.06	100	0	P	H
													H
													H
		10600	48.66	-25.34	74	55.89	39.9	16.51	63.64	100	0	P	V
		15900	44.05	-29.95	74	48.67	36.9	20.54	62.06	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.28	-26.72	74	54.54	39.82	16.54	63.62	100	0	P	H
		15960	42.67	-31.33	74	47.44	36.78	20.53	62.08	100	0	P	H
													H
													H
		10640	47.9	-26.1	74	55.16	39.82	16.54	63.62	100	0	P	V
		15960	43.66	-30.34	74	48.43	36.78	20.53	62.08	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5077.52	50.68	-23.32	74	41.91	31.67	9.96	32.86	249	360	P	H
		5140.08	42.34	-11.66	54	33.34	31.8	10.02	32.82	249	360	A	H
	*	5260	105.1	-	-	96.33	31.4	10.11	32.74	249	360	P	H
	*	5260	97.3	-	-	88.53	31.4	10.11	32.74	249	360	A	H
802.11n		5421.84	49.25	-24.75	74	40.07	31.64	10.18	32.64	249	360	P	H
HT20		5380.08	41.27	-12.73	54	32.32	31.48	10.14	32.67	249	360	A	H
CH 52		5039.44	50.09	-23.91	74	41.6	31.46	9.91	32.88	294	275	P	V
5260MHz		5096.56	41.21	-12.79	54	32.3	31.78	9.98	32.85	294	275	A	V
	*	5260	101.95	-	-	93.18	31.4	10.11	32.74	294	275	P	V
	*	5260	94.03	-	-	85.26	31.4	10.11	32.74	294	275	A	V
		5408.16	48.97	-25.03	74	39.84	31.62	10.16	32.65	294	275	P	V
		5458.56	40.18	-13.82	54	30.83	31.73	10.24	32.62	294	275	A	V
		5027.54	50.55	-23.45	74	42.13	31.41	9.9	32.89	258	9	P	H
		5102.34	41.1	-12.9	54	32.16	31.8	9.98	32.84	258	9	A	H
	*	5300	106.4	-	-	97.6	31.4	10.12	32.72	258	9	P	H
	*	5300	98.2	-	-	89.4	31.4	10.12	32.72	258	9	A	H
802.11n		5420.16	58.28	-15.72	74	49.1	31.64	10.18	32.64	258	9	P	H
HT20		5419.92	41.57	-12.43	54	32.39	31.64	10.18	32.64	258	9	A	H
CH 60		5096.56	52.81	-21.19	74	43.9	31.78	9.98	32.85	303	271	P	V
5300MHz		5093.16	41.01	-12.99	54	32.13	31.76	9.97	32.85	303	271	A	V
	*	5300	102.93	-	-	94.13	31.4	10.12	32.72	303	271	P	V
	*	5300	94.99	-	-	86.19	31.4	10.12	32.72	303	271	A	V
		5454.48	50.16	-23.84	74	40.83	31.72	10.23	32.62	303	271	P	V
		5454.48	40.17	-13.83	54	30.84	31.72	10.23	32.62	303	271	A	V

	*	5320	106.02	-	-	97.24	31.36	10.13	32.71	274	9	P	H
	*	5320	98.27	-	-	89.49	31.36	10.13	32.71	274	9	A	H
		5351.36	53.31	-20.69	74	44.55	31.31	10.14	32.69	274	9	P	H
		5367.84	42.6	-11.4	54	33.72	31.41	10.14	32.67	274	9	A	H
802.11n													H
HT20													H
CH 64	*	5320	102.52	-	-	93.74	31.36	10.13	32.71	317	272	P	V
5320MHz	*	5320	94.8	-	-	86.02	31.36	10.13	32.71	317	272	A	V
		5383.36	49.74	-24.26	74	40.75	31.5	10.15	32.66	317	272	P	V
		5439.84	40.52	-13.48	54	31.26	31.68	10.21	32.63	317	272	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	47.82	-20.38	68.2	55.15	39.9	16.46	63.69	100	0	P	H
		15780	44.09	-29.91	74	48.31	37.22	20.57	62.01	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	49.06	-19.14	68.2	56.39	39.9	16.46	63.69	100	0	P	V
5260MHz		15780	43.33	-30.67	74	47.55	37.22	20.57	62.01	100	0	P	V
													V
													V
		10600	46.39	-27.61	74	53.62	39.9	16.51	63.64	100	0	P	H
		15900	43.25	-30.75	74	47.87	36.9	20.54	62.06	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	46.3	-27.7	74	53.53	39.9	16.51	63.64	100	0	P	V
5300MHz		15900	43.53	-30.47	74	48.15	36.9	20.54	62.06	100	0	P	V
													V
													V
		10640	47.73	-26.27	74	54.99	39.82	16.54	63.62	100	0	P	H
		15960	43.47	-30.53	74	48.24	36.78	20.53	62.08	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	47.09	-26.91	74	54.35	39.82	16.54	63.62	100	0	P	V
5320MHz		15960	43.53	-30.47	74	48.3	36.78	20.53	62.08	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5149.94	65.21	-8.79	74	56.19	31.8	10.03	32.81	331	4	P	H
		5149.94	50.55	-3.45	54	41.53	31.8	10.03	32.81	331	4	A	H
	*	5270	102.86	-	-	94.09	31.4	10.11	32.74	331	4	P	H
	*	5270	94.8	-	-	86.03	31.4	10.11	32.74	331	4	A	H
		5366.4	52.06	-21.94	74	43.2	31.4	10.14	32.68	331	4	P	H
		5389.92	48.71	-5.29	54	39.68	31.54	10.15	32.66	331	4	A	H
		5149.94	61	-13	74	51.98	31.8	10.03	32.81	323	282	P	V
		5149.94	46.46	-7.54	54	37.44	31.8	10.03	32.81	323	282	A	V
	*	5270	99.7	-	-	90.93	31.4	10.11	32.74	323	282	P	V
	*	5270	91.51	-	-	82.74	31.4	10.11	32.74	323	282	A	V
		5390.16	60.68	-13.32	74	51.65	31.54	10.15	32.66	323	282	P	V
		5389.92	44.35	-9.65	54	35.32	31.54	10.15	32.66	323	282	A	V
802.11n HT40 CH 62 5310MHz		5101.66	51.89	-22.11	74	42.95	31.8	9.98	32.84	309	4	P	H
		5127.16	41.93	-12.07	54	32.95	31.8	10.01	32.83	309	4	A	H
	*	5310	101.74	-	-	92.95	31.38	10.12	32.71	309	4	P	H
	*	5310	93.68	-	-	84.89	31.38	10.12	32.71	309	4	A	H
		5375.52	54.69	-19.31	74	45.77	31.45	10.14	32.67	309	4	P	H
		5430	46.83	-7.17	54	37.6	31.66	10.2	32.63	309	4	A	H
		5126.14	50.81	-23.19	74	41.83	31.8	10.01	32.83	302	269	P	V
		5088.06	41.87	-12.13	54	33.02	31.73	9.97	32.85	302	269	A	V
	*	5310	98.43	-	-	89.64	31.38	10.12	32.71	302	269	P	V
	*	5310	90.46	-	-	81.67	31.38	10.12	32.71	302	269	A	V
		5430.24	59	-15	74	49.77	31.66	10.2	32.63	302	269	P	V
		5429.76	44.39	-9.61	54	35.16	31.66	10.2	32.63	302	269	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	46.92	-21.28	68.2	51.83	39.9	16.47	61.28	100	0	P	H
		15810	46.77	-27.23	74	49.76	37.17	20.56	60.72	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	46.98	-21.22	68.2	51.89	39.9	16.47	61.28	100	0	P	V
5270MHz		15810	46.49	-27.51	74	49.48	37.17	20.56	60.72	100	0	P	V
													V
													V
		10620	46.63	-27.37	74	51.57	39.86	16.52	61.32	100	0	P	H
		15930	44.21	-29.79	74	47.72	36.84	20.54	60.89	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	46.66	-27.34	74	51.6	39.86	16.52	61.32	100	0	P	V
5310MHz		15930	44.74	-29.26	74	48.25	36.84	20.54	60.89	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5092.7	50.93	-23.07	74	42.05	31.76	9.97	32.85	365	6	P	H
		5110.7	41.31	-12.69	54	32.36	31.8	9.99	32.84	365	6	A	H
	*	5290	100.46	-	-	91.66	31.4	10.12	32.72	365	6	P	H
	*	5290	92.44	-	-	83.64	31.4	10.12	32.72	365	6	A	H
		5409.84	64	-10	74	54.86	31.62	10.17	32.65	365	6	P	H
		5409.84	49.26	-4.74	54	40.12	31.62	10.17	32.65	365	6	A	H
		5096	52.09	-21.91	74	43.18	31.78	9.98	32.85	303	281	P	V
		5086.1	41.16	-12.84	54	32.33	31.72	9.96	32.85	303	281	A	V
	*	5290	97.39	-	-	88.59	31.4	10.12	32.72	303	281	P	V
	*	5290	89.04	-	-	80.24	31.4	10.12	32.72	303	281	A	V
		5410.08	62.03	-11.97	74	52.89	31.62	10.17	32.65	303	281	P	V
		5410.08	47.76	-6.24	54	38.62	31.62	10.17	32.65	303	281	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	45.3	-22.9	68.2	52.55	39.9	16.5	63.65	100	0	P	H
		15870	42.99	-31.01	74	47.5	36.99	20.55	62.05	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.24	-21.96	68.2	53.49	39.9	16.5	63.65	100	0	P	V
5290MHz		15870	42.55	-31.45	74	47.06	36.99	20.55	62.05	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5391.6	50.38	-23.62	74	41.34	31.55	10.15	32.66	264	8	P	H
		5468.88	53.23	-14.97	68.2	43.8	31.78	10.26	32.61	264	8	P	H
		5451.76	40.68	-13.32	54	31.36	31.71	10.23	32.62	264	8	A	H
	*	5500	101.86	-	-	92.24	31.9	10.31	32.59	264	8	P	H
	*	5500	93.96	-	-	84.34	31.9	10.31	32.59	264	8	A	H
													H
		5427.92	53.68	-20.32	74	44.47	31.66	10.19	32.64	325	254	P	V
		5464.72	50.49	-17.71	68.2	41.09	31.76	10.25	32.61	325	254	P	V
		5458.8	40.13	-13.87	54	30.77	31.74	10.24	32.62	325	254	A	V
	*	5500	98.4	-	-	88.78	31.9	10.31	32.59	325	254	P	V
	*	5500	90.51	-	-	80.89	31.9	10.31	32.59	325	254	A	V
													V
802.11a CH 116 5580MHz		5456.08	50.1	-23.9	74	40.76	31.72	10.24	32.62	271	7	P	H
		5460.88	50.72	-17.48	68.2	41.36	31.74	10.24	32.62	271	7	P	H
		5459.92	40.53	-13.47	54	31.17	31.74	10.24	32.62	271	7	A	H
	*	5580	102.07	-	-	92.35	31.86	10.43	32.57	271	7	P	H
	*	5580	93.92	-	-	84.2	31.86	10.43	32.57	271	7	A	H
		5728.46	50.36	-17.84	68.2	40.2	32.16	10.53	32.53	271	7	P	H
		5459.92	53.8	-20.2	74	44.44	31.74	10.24	32.62	319	288	P	V
		5459.92	53.8	-20.2	74	44.44	31.74	10.24	32.62	319	288	P	V
		5459.68	40.03	-13.97	54	30.67	31.74	10.24	32.62	319	288	A	V
	*	5580	97.28	-	-	87.56	31.86	10.43	32.57	319	288	P	V
	*	5580	89.55	-	-	79.83	31.86	10.43	32.57	319	288	A	V
		5728.775	51.39	-16.81	68.2	41.23	32.16	10.53	32.53	319	288	P	V

802.11a CH 140 5700MHz	*	5700	102.95	-	-	92.87	32.1	10.51	32.53	328	346	P	H
	*	5700	94.83	-	-	84.75	32.1	10.51	32.53	328	346	A	H
		5748.44	57.77	-10.43	68.2	47.55	32.2	10.54	32.52	328	346	P	H
													H
													H
													H
	*	5700	97.48	-	-	87.4	32.1	10.51	32.53	400	282	P	V
	*	5700	89.54	-	-	79.46	32.1	10.51	32.53	400	282	A	V
		5738.04	52.82	-15.38	68.2	42.62	32.18	10.54	32.52	400	282	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.65	-26.35	74	54.29	40	16.76	63.4	100	0	P	H
		16500	46.09	-22.11	68.2	48.8	38.4	21.19	62.3	100	0	P	H
													H
													H
		11000	48.39	-25.61	74	55.03	40	16.76	63.4	100	0	P	V
		16500	45.63	-22.57	68.2	48.34	38.4	21.19	62.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	46.83	-27.17	74	53.79	39.48	16.99	63.43	100	0	P	H
		16740	46.4	-21.8	68.2	47.67	39.38	21.51	62.16	100	0	P	H
													H
													H
		11160	48.06	-25.94	74	55.02	39.48	16.99	63.43	100	0	P	V
		16740	46.04	-22.16	68.2	47.31	39.38	21.51	62.16	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.23	-26.77	74	53.67	39.7	17.34	63.48	100	0	P	H
		17100	48.24	-19.96	68.2	48.45	39.7	21.95	61.86	100	0	P	H
													H
													H
		11400	47.29	-26.71	74	53.73	39.7	17.34	63.48	100	0	P	V
		17100	47.34	-20.86	68.2	47.55	39.7	21.95	61.86	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5428.08	57.87	-16.13	74	48.66	31.66	10.19	32.64	248	8	P	H
		5461.84	53.14	-15.06	68.2	43.75	31.75	10.25	32.61	248	8	P	H
		5427.92	41.85	-12.15	54	32.64	31.66	10.19	32.64	248	8	A	H
	*	5500	102.51	-	-	92.89	31.9	10.31	32.59	248	8	P	H
802.11n	*	5500	94.56	-	-	84.94	31.9	10.31	32.59	248	8	A	H
HT20													H
CH 100		5409.36	50.73	-23.27	74	41.6	31.62	10.16	32.65	400	280	P	V
5500MHz		5463.28	50.2	-18	68.2	40.81	31.75	10.25	32.61	400	280	P	V
		5451.92	40.63	-13.37	54	31.31	31.71	10.23	32.62	400	280	A	V
	*	5500	99.06	-	-	89.44	31.9	10.31	32.59	400	280	P	V
	*	5500	90.73	-	-	81.11	31.9	10.31	32.59	400	280	A	V
													V
		5440.96	50.57	-23.43	74	41.31	31.68	10.21	32.63	218	11	P	H
		5460	49.92	-18.28	68.2	40.56	31.74	10.24	32.62	218	11	P	H
		5459.92	42.6	-11.4	54	33.24	31.74	10.24	32.62	218	11	A	H
	*	5580	101.74	-	-	92.02	31.86	10.43	32.57	218	11	P	H
802.11n	*	5580	93.96	-	-	84.24	31.86	10.43	32.57	218	11	A	H
HT20		5745.785	51.11	-17.09	68.2	40.9	32.19	10.54	32.52	218	11	P	H
CH 116		5459.92	56.87	-17.13	74	47.51	31.74	10.24	32.62	393	280	P	V
5580MHz		5460.16	57.03	-11.17	68.2	47.67	31.74	10.24	32.62	393	280	P	V
		5459.92	41.12	-12.88	54	31.76	31.74	10.24	32.62	393	280	A	V
	*	5580	98.05	-	-	88.33	31.86	10.43	32.57	393	280	P	V
	*	5580	90.25	-	-	80.53	31.86	10.43	32.57	393	280	A	V
		5742.95	50.34	-17.86	68.2	40.13	32.19	10.54	32.52	393	280	P	V

	*	5700	102.74	-	-	92.66	32.1	10.51	32.53	246	9	P	H
	*	5700	94.79	-	-	84.71	32.1	10.51	32.53	246	9	A	H
		5733.96	53.3	-14.9	68.2	43.12	32.17	10.53	32.52	246	9	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	98.42	-	-	88.34	32.1	10.51	32.53	396	296	P	V
5700MHz	*	5700	90.39	-	-	80.31	32.1	10.51	32.53	396	296	A	V
		5740.92	51.1	-17.1	68.2	40.9	32.18	10.54	32.52	396	296	P	V
													V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.59	-27.41	74	53.23	40	16.76	63.4	100	0	P	H
		16500	45.34	-22.86	68.2	48.05	38.4	21.19	62.3	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	47.03	-26.97	74	53.67	40	16.76	63.4	100	0	P	V
5500MHz		16500	46.33	-21.87	68.2	49.04	38.4	21.19	62.3	100	0	P	V
													V
													V
		11160	46.79	-27.21	74	53.75	39.48	16.99	63.43	100	0	P	H
		16740	46.29	-21.91	68.2	47.56	39.38	21.51	62.16	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	48.11	-25.89	74	55.07	39.48	16.99	63.43	100	0	P	V
5580MHz		16740	46.05	-22.15	68.2	47.32	39.38	21.51	62.16	100	0	P	V
													V
													V
		11400	47.04	-26.96	74	53.48	39.7	17.34	63.48	100	0	P	H
		17100	47.11	-21.09	68.2	47.32	39.7	21.95	61.86	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	46.17	-27.83	74	52.61	39.7	17.34	63.48	100	0	P	V
5700MHz		17100	46.56	-21.64	68.2	46.77	39.7	21.95	61.86	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5390.08	60.17	-13.83	74	51.14	31.54	10.15	32.66	298	4	P	H
		5468.08	53.89	-14.31	68.2	44.47	31.77	10.26	32.61	298	4	P	H
		5390.08	46.35	-7.65	54	37.32	31.54	10.15	32.66	298	4	A	H
	*	5510	97.17	-	-	87.56	31.88	10.32	32.59	298	4	P	H
802.11n	*	5510	88.68	-	-	79.07	31.88	10.32	32.59	298	4	A	H
HT40		5743.265	51.11	-17.09	68.2	40.9	32.19	10.54	32.52	298	4	P	H
CH 102		5394.64	50.48	-23.52	74	41.42	31.57	10.15	32.66	350	278	P	V
5510MHz		5469.76	53	-15.2	68.2	43.57	31.78	10.26	32.61	350	278	P	V
		5390.08	42.93	-11.07	54	33.9	31.54	10.15	32.66	350	278	A	V
	*	5510	93.28	-	-	83.67	31.88	10.32	32.59	350	278	P	V
	*	5510	84.68	-	-	75.07	31.88	10.32	32.59	350	278	A	V
		5731.61	51.13	-17.07	68.2	40.97	32.16	10.53	32.53	350	278	P	V
		5430.4	60.95	-13.05	74	51.72	31.66	10.2	32.63	208	8	P	H
		5464	51.07	-17.13	68.2	41.67	31.76	10.25	32.61	208	8	P	H
		5429.92	48.54	-5.46	54	39.31	31.66	10.2	32.63	208	8	A	H
	*	5550	98.78	-	-	89.18	31.8	10.38	32.58	208	8	P	H
802.11n	*	5550	90.61	-	-	81.01	31.8	10.38	32.58	208	8	A	H
HT40		5744.21	51.12	-17.08	68.2	40.91	32.19	10.54	32.52	208	8	P	H
CH 110		5429.92	60.13	-13.87	74	50.9	31.66	10.2	32.63	378	293	P	V
5550MHz		5467.6	52.3	-15.9	68.2	42.89	31.77	10.25	32.61	378	293	P	V
		5429.92	45.71	-8.29	54	36.48	31.66	10.2	32.63	378	293	A	V
	*	5550	95.52	-	-	85.92	31.8	10.38	32.58	378	293	P	V
	*	5550	87.25	-	-	77.65	31.8	10.38	32.58	378	293	A	V
		5744.21	51.46	-16.74	68.2	41.25	32.19	10.54	32.52	378	293	P	V

		5431.9	51.09	-22.91	74	41.86	31.66	10.2	32.63	225	6	P	H
		5466.2	49.55	-18.65	68.2	40.15	31.76	10.25	32.61	225	6	P	H
		5457.8	40.49	-13.51	54	31.14	31.73	10.24	32.62	225	6	A	H
	*	5670	98.11	-	-	88.23	31.92	10.5	32.54	225	6	P	H
802.11n	*	5670	90.18	-	-	80.3	31.92	10.5	32.54	225	6	A	H
HT40		5742.425	56.02	-12.18	68.2	45.82	32.18	10.54	32.52	225	6	P	H
CH 134		5456.75	49.78	-24.22	74	40.43	31.73	10.24	32.62	400	298	P	V
5670MHz		5464.1	49.12	-19.08	68.2	39.72	31.76	10.25	32.61	400	298	P	V
		5458.5	40.29	-13.71	54	30.94	31.73	10.24	32.62	400	298	A	V
	*	5670	94.79	-	-	84.91	31.92	10.5	32.54	400	298	P	V
	*	5670	86.67	-	-	76.79	31.92	10.5	32.54	400	298	A	V
		5753.275	50.7	-17.5	68.2	40.47	32.21	10.54	32.52	400	298	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	49.04	-24.96	74	53.82	39.92	16.79	61.49	100	0	P	H
		16530	48.62	-19.58	68.2	49.85	38.52	21.23	60.98	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	47.16	-26.84	74	51.94	39.92	16.79	61.49	100	0	P	V
5510MHz		16530	47.62	-20.58	68.2	48.85	38.52	21.23	60.98	100	0	P	V
													V
													V
		11100	45.89	-28.11	74	52.8	39.6	16.91	63.42	100	0	P	H
		16650	46.13	-22.07	68.2	48	38.95	21.39	62.21	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	45.63	-28.37	74	52.54	39.6	16.91	63.42	100	0	P	V
5550MHz		16650	46.09	-22.11	68.2	47.96	38.95	21.39	62.21	100	0	P	V
													V
													V
		11340	46.63	-27.37	74	53.32	39.52	17.26	63.47	100	0	P	H
		17010	46.95	-21.25	68.2	47.37	39.7	21.87	61.99	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	46.5	-27.5	74	53.19	39.52	17.26	63.47	100	0	P	V
5670MHz		17010	46.79	-21.41	68.2	47.21	39.7	21.87	61.99	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5410.24	64.65	-9.35	74	55.51	31.62	10.17	32.65	252	338	P	H
		5465.2	53.14	-15.06	68.2	43.74	31.76	10.25	32.61	252	338	P	H
		5409.76	48	-6	54	38.86	31.62	10.17	32.65	252	338	A	H
	*	5530	93.79	-	-	84.18	31.84	10.35	32.58	252	338	P	H
802.11ac	*	5530	85.35	-	-	75.74	31.84	10.35	32.58	252	338	A	H
VHT80		5749.25	50.53	-17.67	68.2	40.31	32.2	10.54	32.52	252	338	P	H
CH 106		5410	60.25	-13.75	74	51.11	31.62	10.17	32.65	376	276	P	V
5530MHz		5460.16	50.37	-17.83	68.2	41.01	31.74	10.24	32.62	376	276	P	V
		5409.76	44.84	-9.16	54	35.7	31.62	10.17	32.65	376	276	A	V
	*	5530	90.01	-	-	80.4	31.84	10.35	32.58	376	276	P	V
	*	5530	81.71	-	-	72.1	31.84	10.35	32.58	376	276	A	V
		5730.035	51.46	-16.74	68.2	41.3	32.16	10.53	32.53	376	276	P	V
		5401.1	49.89	-24.11	74	40.79	31.6	10.15	32.65	237	340	P	H
		5465.85	50.08	-18.12	68.2	40.68	31.76	10.25	32.61	237	340	P	H
		5452.55	40.66	-13.34	54	31.34	31.71	10.23	32.62	237	340	A	H
	*	5610	94.92	-	-	85.13	31.88	10.47	32.56	237	340	P	H
802.11ac	*	5610	86.58	-	-	76.79	31.88	10.47	32.56	237	340	A	H
VHT80		5730.175	62.81	-5.39	68.2	52.65	32.16	10.53	32.53	237	340	P	H
CH 122		5421.75	49.79	-24.21	74	40.61	31.64	10.18	32.64	377	271	P	V
5610MHz		5464.45	49.86	-18.34	68.2	40.46	31.76	10.25	32.61	377	271	P	V
		5455	40.57	-13.43	54	31.23	31.72	10.24	32.62	377	271	A	V
	*	5610	90.93	-	-	81.14	31.88	10.47	32.56	377	271	P	V
	*	5610	82.68	-	-	72.89	31.88	10.47	32.56	377	271	A	V
		5725.975	50.65	-17.55	68.2	40.5	32.15	10.53	32.53	377	271	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	46.46	-27.54	74	53.26	39.76	16.85	63.41	100	0	P	H
		16590	45.25	-22.95	68.2	47.43	38.76	21.31	62.25	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	46.36	-27.64	74	53.16	39.76	16.85	63.41	100	0	P	V
5530MHz		16590	45.78	-22.42	68.2	47.96	38.76	21.31	62.25	100	0	P	V
													V
													V
		11220	45.1	-28.9	74	52.06	39.4	17.08	63.44	100	0	P	H
		16830	46.28	-21.92	68.2	46.92	39.83	21.63	62.1	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.47	-28.53	74	52.43	39.4	17.08	63.44	100	0	P	V
5610MHz		16830	46.92	-21.28	68.2	47.56	39.83	21.63	62.1	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 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5444.77	50.46	-23.54	74	41.18	31.69	10.22	32.63	219	344	P	H
		5465.05	50.24	-17.96	68.2	40.84	31.76	10.25	32.61	219	344	P	H
		5456.08	40.42	-13.58	54	31.08	31.72	10.24	32.62	219	344	A	H
	*	5720	102.31	-	-	92.17	32.14	10.53	32.53	219	344	P	H
	*	5720	94.42	-	-	84.28	32.14	10.53	32.53	219	344	A	H
		5883.25	51.19	-17.01	68.2	40.6	32.47	10.6	32.48	219	344	P	H
		5401.09	50.11	-23.89	74	41.01	31.6	10.15	32.65	381	271	P	V
		5465.44	50.21	-17.99	68.2	40.81	31.76	10.25	32.61	381	271	P	V
		5459.2	39.64	-14.36	54	30.28	31.74	10.24	32.62	381	271	A	V
	*	5720	97.7	-	-	87.56	32.14	10.53	32.53	381	271	P	V
	*	5720	88.92	-	-	78.78	32.14	10.53	32.53	381	271	A	V
		5933	51.57	-16.63	68.2	40.79	32.63	10.62	32.47	381	271	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	46.38	-27.62	74	52.81	39.66	17.4	63.49	100	0	P	H
		17160	46.99	-21.21	68.2	46.77	40	22	61.78	100	0	P	H
													H
													H
		11440	47.37	-26.63	74	53.8	39.66	17.4	63.49	100	0	P	V
		17160	47.6	-20.6	68.2	47.38	40	22	61.78	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 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5402.26	49.95	-24.05	74	40.85	31.6	10.15	32.65	254	340	P	H
		5461.93	49.03	-19.17	68.2	39.64	31.75	10.25	32.61	254	340	P	H
		5458.81	40.17	-13.83	54	30.81	31.74	10.24	32.62	254	340	A	H
	*	5720	102.38	-	-	92.24	32.14	10.53	32.53	254	340	P	H
	*	5720	93.97	-	-	83.83	32.14	10.53	32.53	254	340	A	H
		5864	51.7	-16.5	68.2	41.16	32.43	10.6	32.49	254	340	P	H
		5445.94	49.98	-24.02	74	40.69	31.69	10.22	32.62	400	297	P	V
		5467.78	49.43	-18.77	68.2	40.01	31.77	10.26	32.61	400	297	P	V
		5459.59	39.84	-14.16	54	30.48	31.74	10.24	32.62	400	297	A	V
	*	5720	97.9	-	-	87.76	32.14	10.53	32.53	400	297	P	V
	*	5720	90.31	-	-	80.17	32.14	10.53	32.53	400	297	A	V
		5930.5	51.88	-16.32	68.2	41.11	32.62	10.62	32.47	400	297	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	46.68	-27.32	74	53.11	39.66	17.4	63.49	100	0	P	H
		17160	47.05	-21.15	68.2	46.83	40	22	61.78	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	47.44	-26.56	74	53.87	39.66	17.4	63.49	100	0	P	V
5720MHz		17160	46.91	-21.29	68.2	46.69	40	22	61.78	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 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5394.46	49.47	-24.53	74	40.41	31.57	10.15	32.66	244	344	P	H
		5463.49	48.99	-19.21	68.2	39.6	31.75	10.25	32.61	244	344	P	H
		5459.98	40.41	-13.59	54	31.05	31.74	10.24	32.62	244	344	A	H
	*	5710	99.55	-	-	89.44	32.12	10.52	32.53	244	344	P	H
	*	5710	91.35	-	-	81.24	32.12	10.52	32.53	244	344	A	H
		5928.75	51.21	-16.99	68.2	40.44	32.62	10.62	32.47	244	344	P	H
		5450.62	49.73	-24.27	74	40.42	31.7	10.23	32.62	360	291	P	V
		5461.15	49.52	-18.68	68.2	40.15	31.74	10.24	32.61	360	291	P	V
		5458.42	40.5	-13.5	54	31.15	31.73	10.24	32.62	360	291	A	V
	*	5710	94.93	-	-	84.82	32.12	10.52	32.53	360	291	P	V
	*	5710	87.01	-	-	76.9	32.12	10.52	32.53	360	291	A	V
		5892	51.53	-16.67	68.2	40.92	32.48	10.61	32.48	360	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.08	-27.92	74	52.51	39.68	17.37	63.48	100	0	P	H
		17130	48.01	-20.19	68.2	48.01	39.85	21.97	61.82	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	46.14	-27.86	74	52.57	39.68	17.37	63.48	100	0	P	V
5710MHz		17130	47.51	-20.69	68.2	47.51	39.85	21.97	61.82	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 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5454.13	49.85	-24.15	74	40.52	31.72	10.23	32.62	229	340	P	H
		5460.76	50.12	-18.08	68.2	40.76	31.74	10.24	32.62	229	340	P	H
		5442.04	40.41	-13.59	54	31.14	31.68	10.22	32.63	229	340	A	H
	*	5690	96.79	-	-	86.78	32.04	10.51	32.54	229	340	P	H
	*	5690	87.64	-	-	77.63	32.04	10.51	32.54	229	340	A	H
		5892.76	51.48	-16.72	68.2	40.86	32.49	10.61	32.48	229	340	P	H
		5431.9	48.54	-25.46	74	39.31	31.66	10.2	32.63	345	292	P	V
		5461.93	48.72	-19.48	68.2	39.33	31.75	10.25	32.61	345	292	P	V
		5458.81	40.4	-13.6	54	31.04	31.74	10.24	32.62	345	292	A	V
	*	5690	91.94	-	-	81.93	32.04	10.51	32.54	345	292	P	V
	*	5690	83.73	-	-	73.72	32.04	10.51	32.54	345	292	A	V
		5922.73	51.55	-16.65	68.2	40.81	32.59	10.62	32.47	345	292	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	46.31	-27.69	74	52.84	39.64	17.31	63.48	100	0	P	H
		17070	47.07	-21.13	68.2	47.35	39.7	21.92	61.9	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.15	-27.85	74	52.68	39.64	17.31	63.48	100	0	P	V
5690MHz		17070	47.35	-20.85	68.2	47.63	39.7	21.92	61.9	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30	21.55	-18.45	40	29.05	24.15	0.77	32.42	-	-	P	H
		115.36	22.63	-20.87	43.5	36.62	16.98	1.44	32.41	-	-	P	H
		179.38	24.36	-19.14	43.5	40.24	14.76	1.91	32.55	-	-	P	H
		852.56	32.02	-13.98	46	30.98	28.86	4.11	31.93	-	-	P	H
		871.96	33.22	-12.78	46	31.85	29.07	4.15	31.85	100	0	P	H
		959.26	33.15	-12.85	46	29.09	30.64	4.37	30.95			P	H
													H
													H
													H
													H
													H
													H
		30	28.5	-11.5	40	36	24.15	0.77	32.42	100	0	P	V
		38.73	27.08	-12.92	40	38.71	20	0.84	32.47	-	-	P	V
		47.46	25.18	-14.82	40	41.65	15.13	0.92	32.52	-	-	P	V
		847.71	31.05	-14.95	46	30.19	28.72	4.09	31.95	-	-	P	V
		857.41	32.28	-13.72	46	31.12	28.95	4.12	31.91	-	-	P	V
		948.59	33.19	-12.81	46	29.95	29.99	4.34	31.09	-	-	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

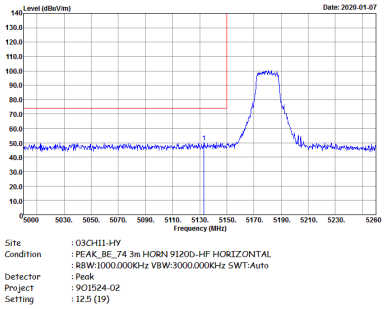
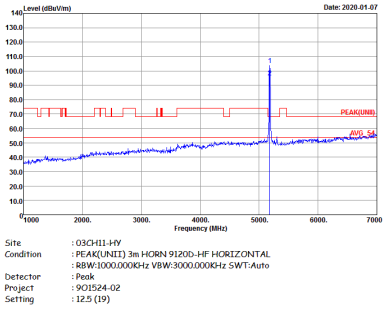
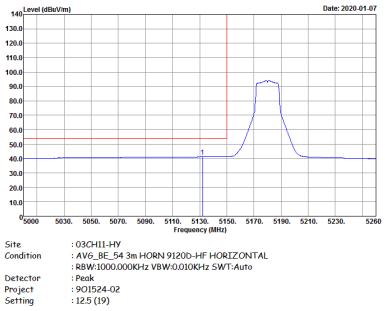
Test Engineer :	Cookie Ku, Fu Chen, and Troye Hsieh	**Temperature :**	20.2~26.4°C
		Relative Humidity :	43.1~69.3%

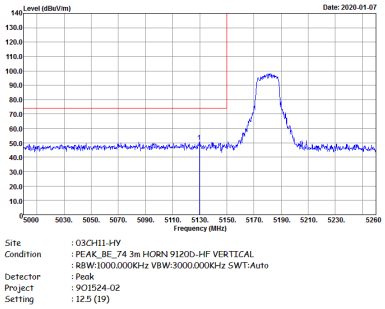
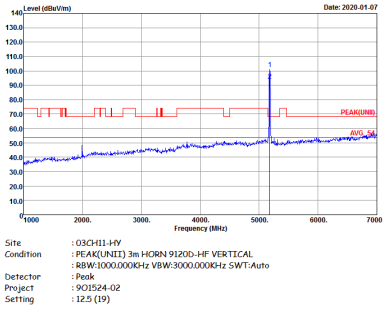
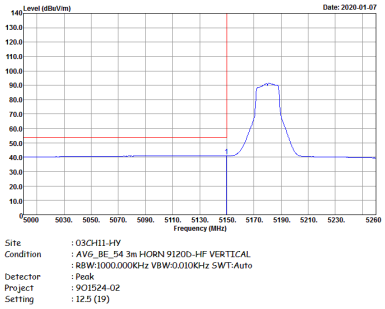
Note symbol

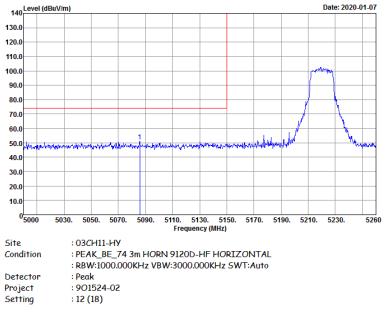
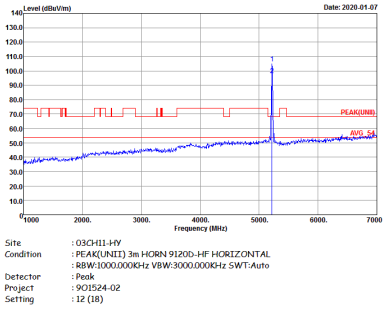
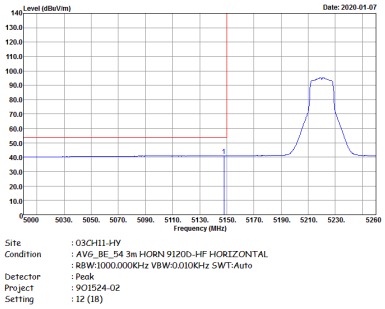
-L	**Low channel location**
-R	**High channel location**

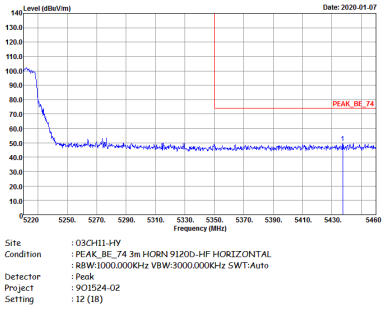
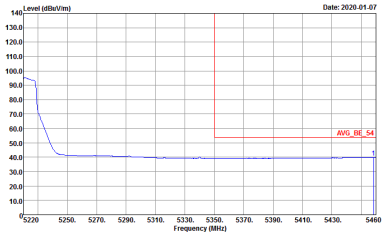
Band 1 - 5150~5250MHz

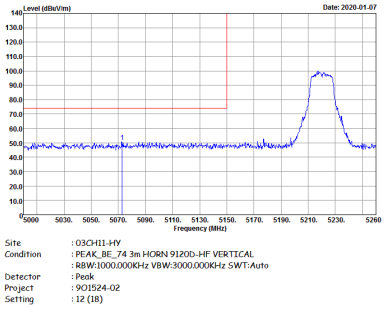
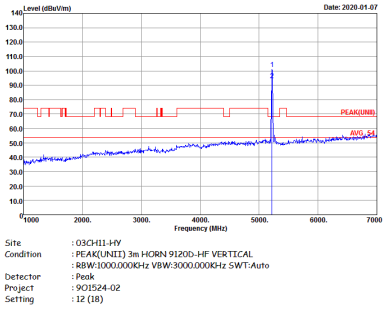
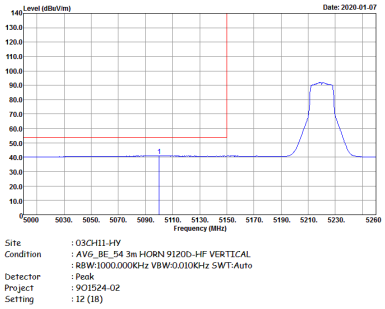
WIFI 802.11a (Band Edge @ 3m)

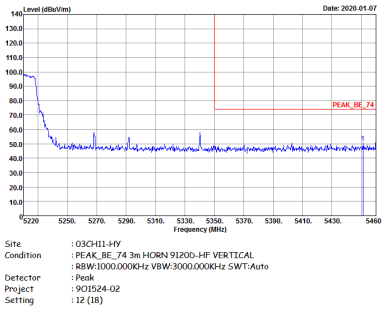
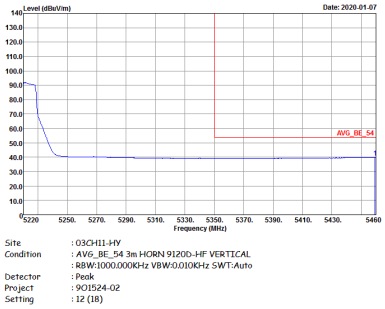
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

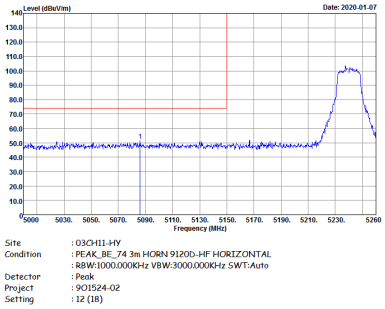
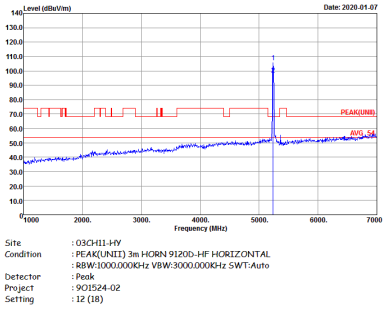
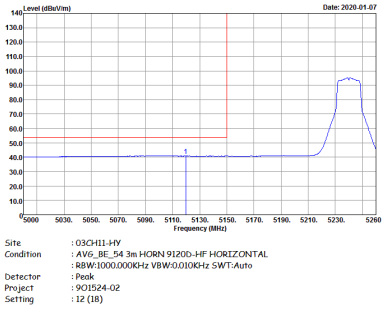
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

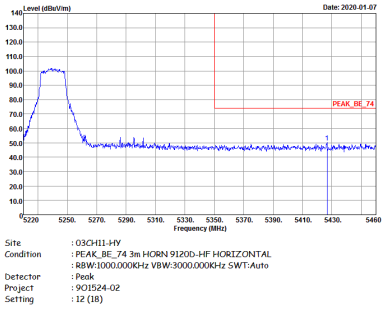
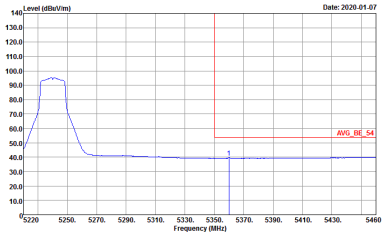
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

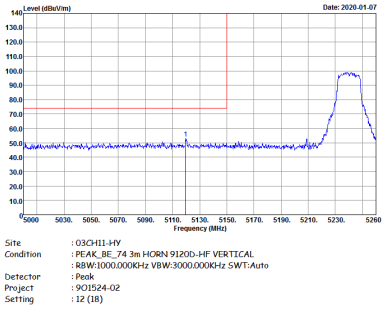
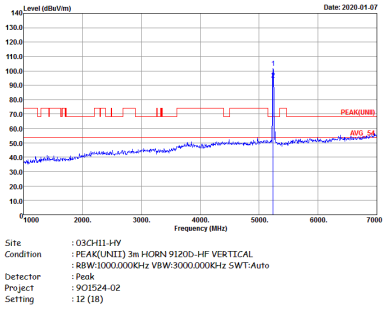
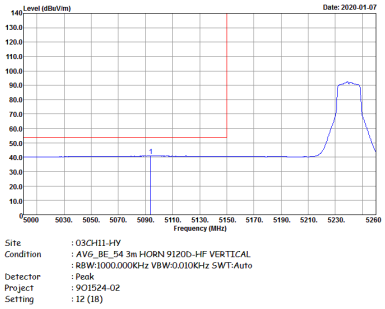
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

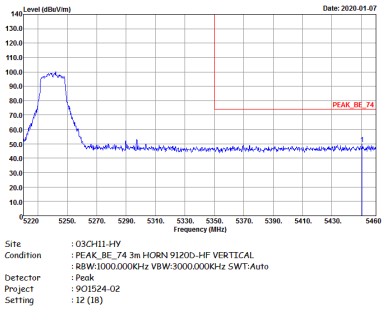
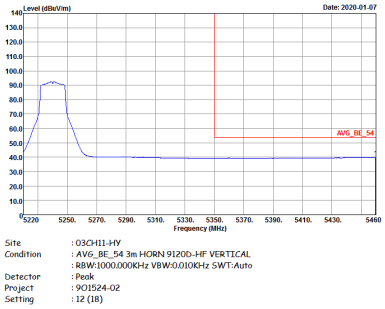
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

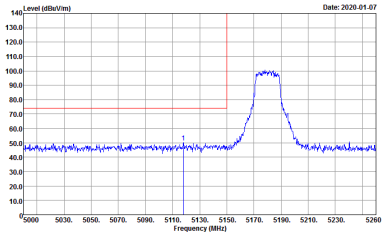
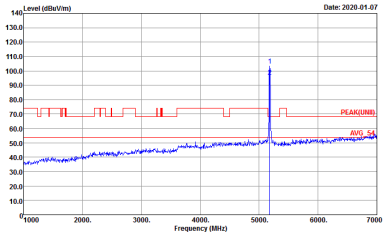
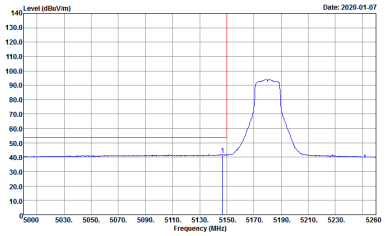
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

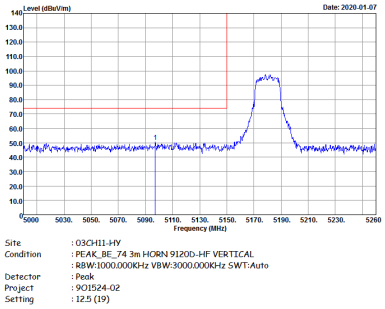
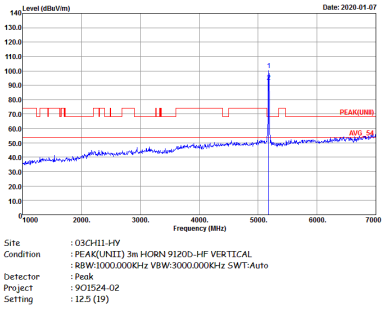
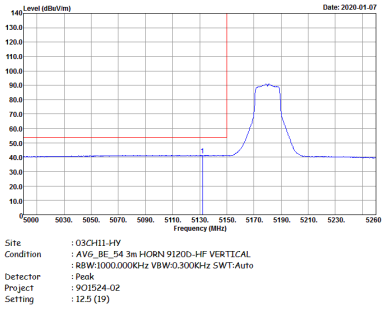
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

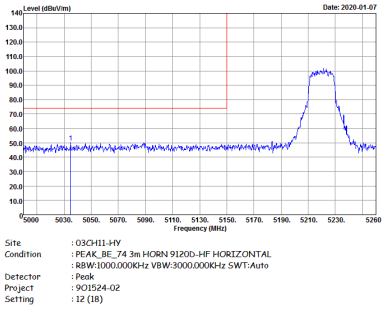
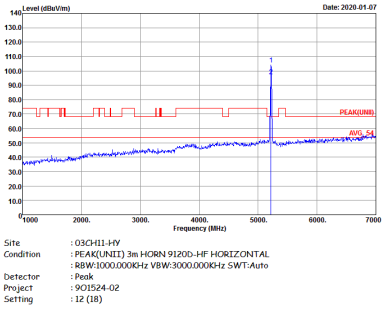
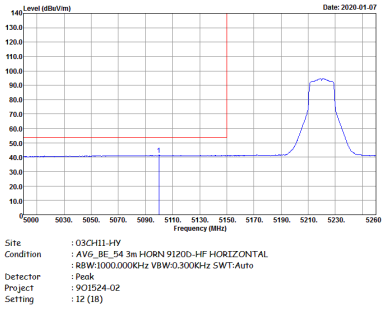
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

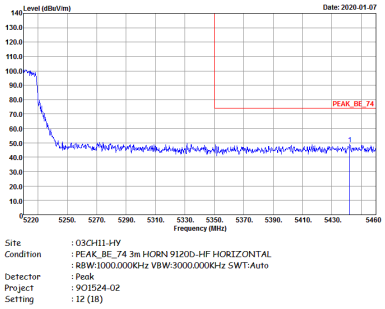
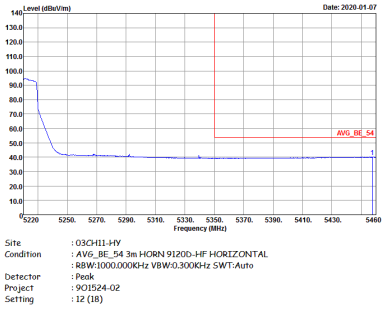
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

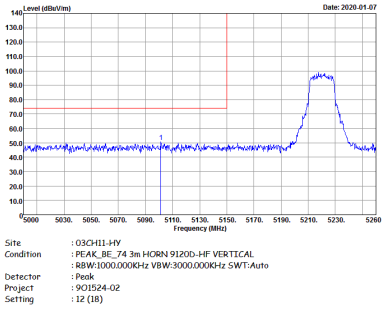
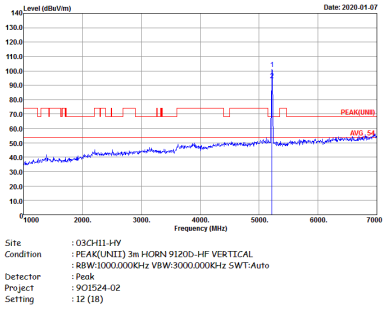
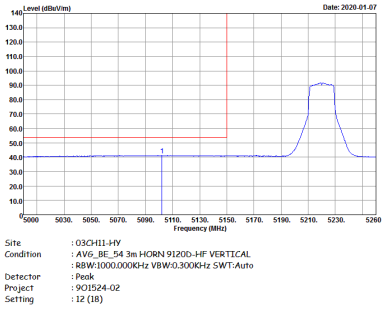
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

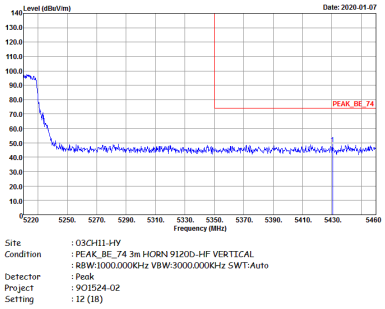
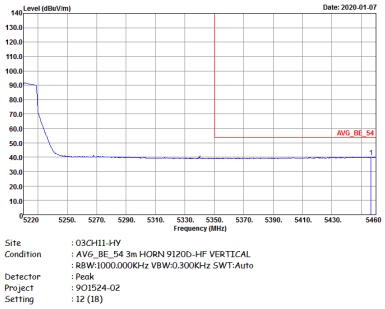
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)	Left blank

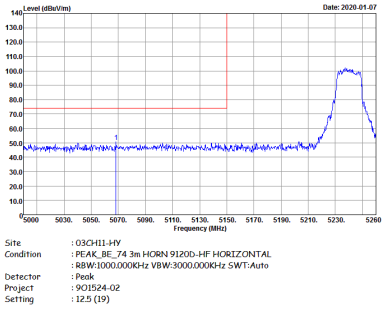
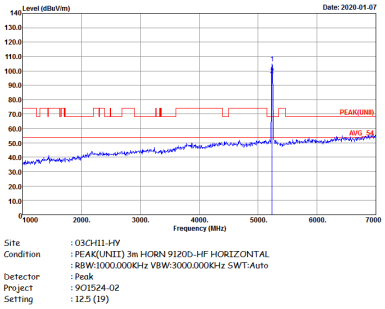
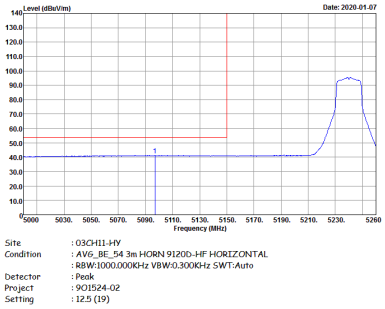
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)	Left blank

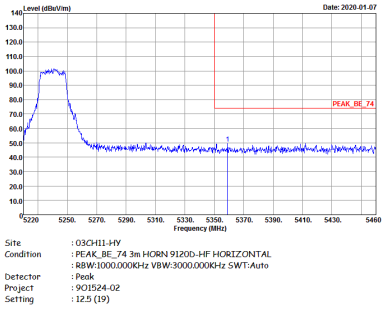
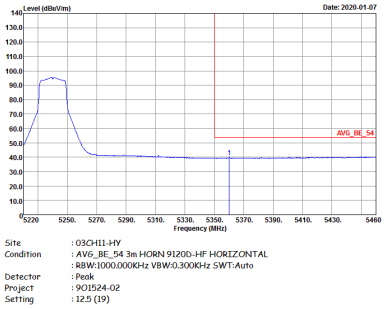
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

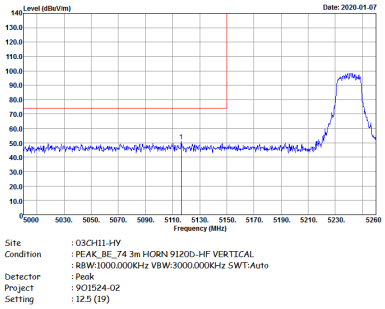
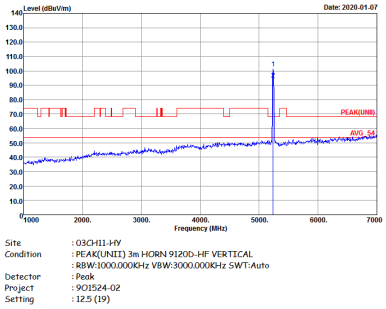
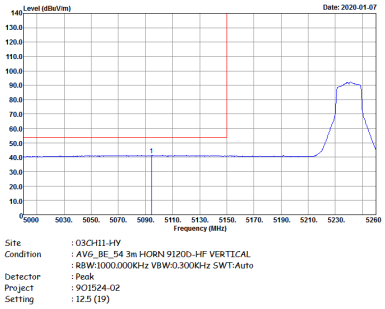
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

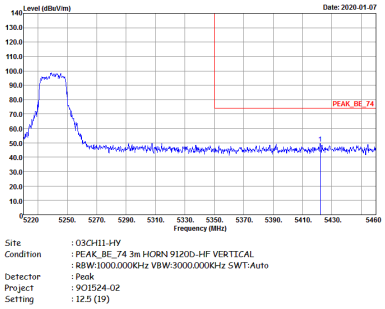
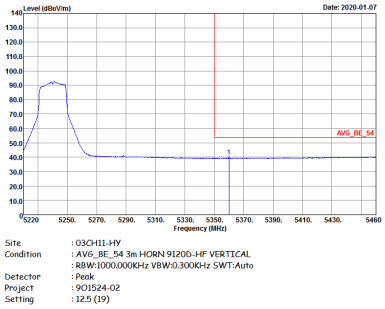
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

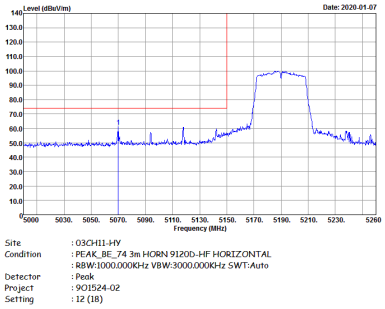
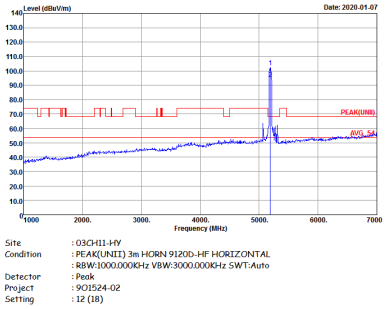
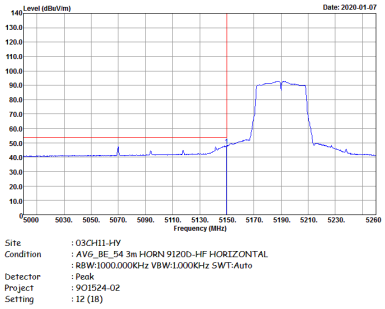
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12.5 (19)	Left blank

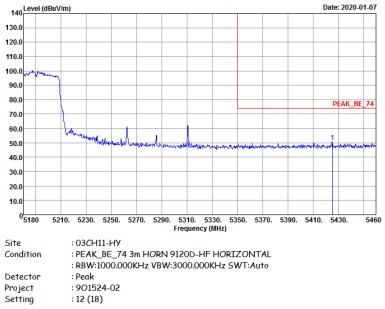
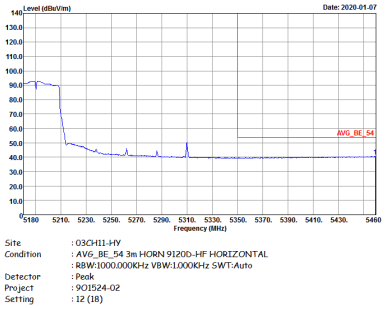
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

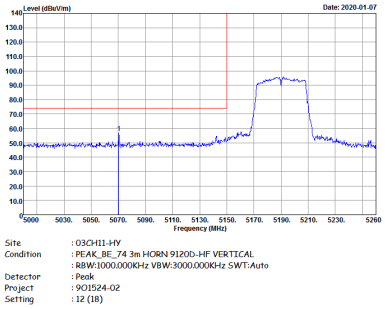
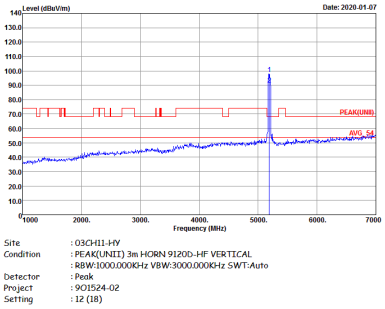
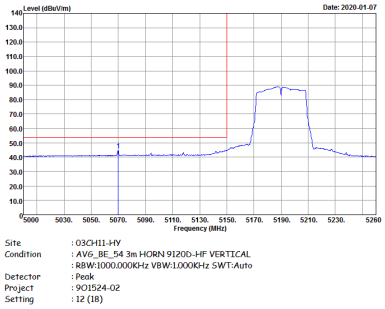
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

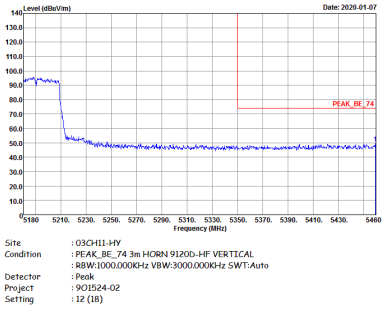
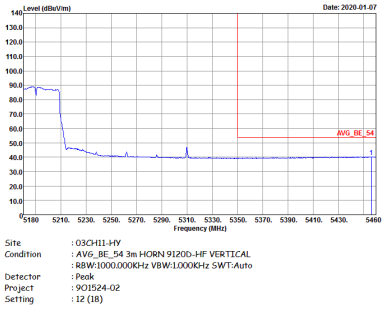
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

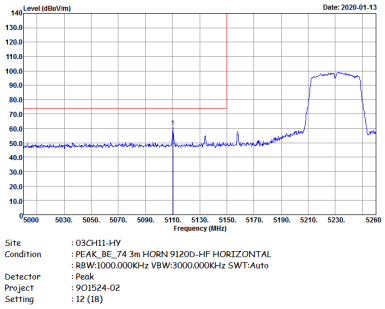
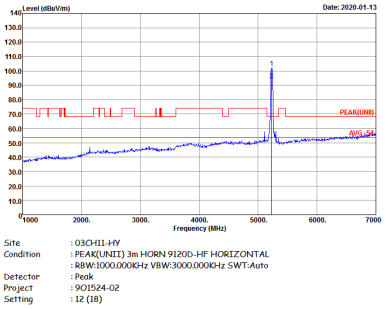
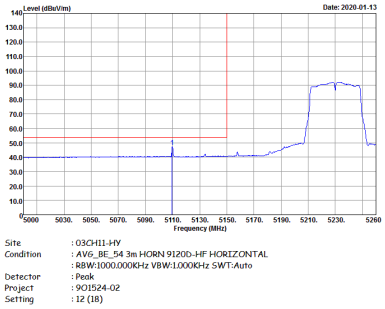
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

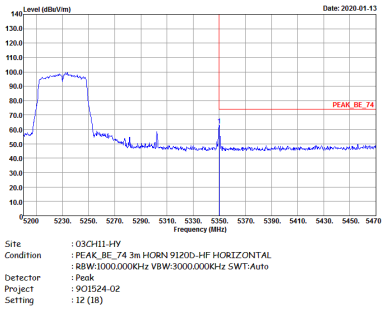
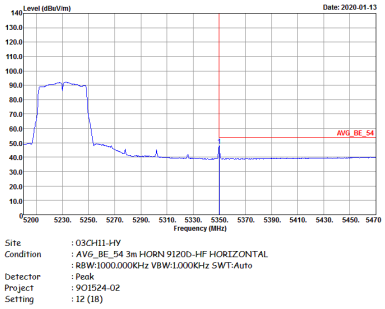
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

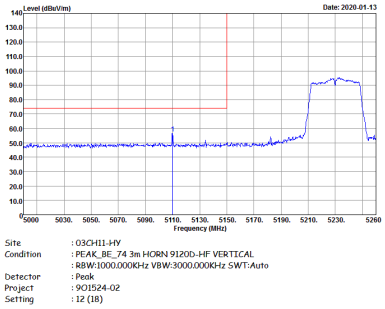
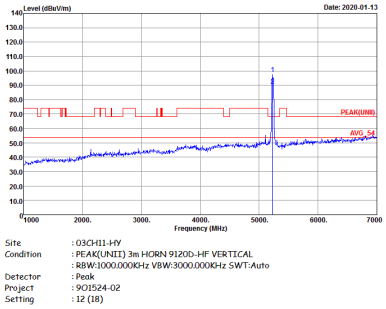
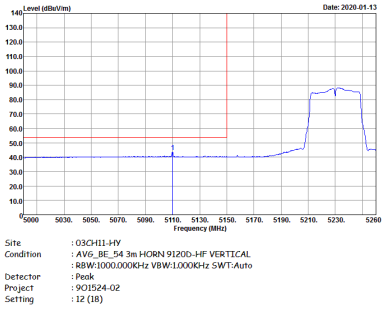
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

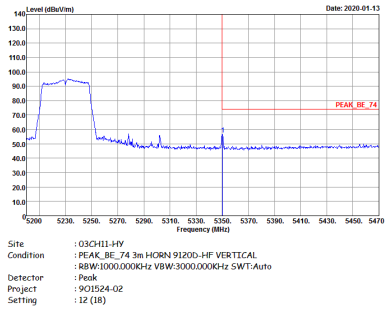
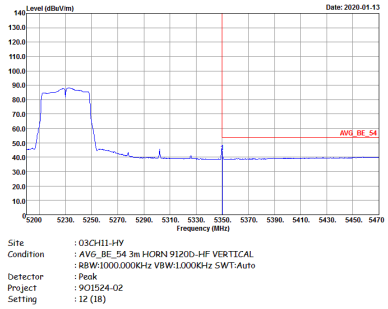
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

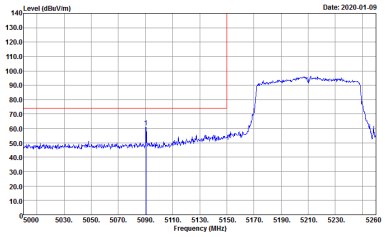
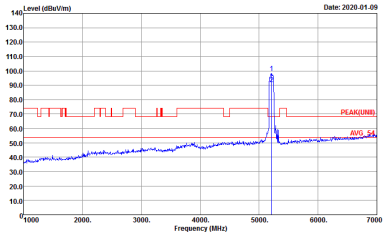
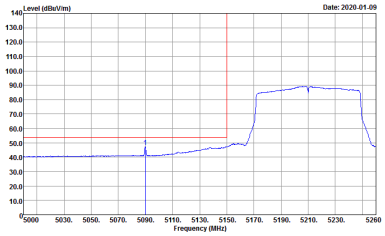
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

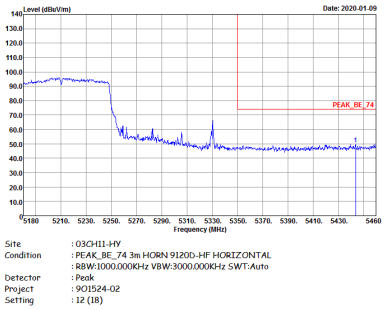
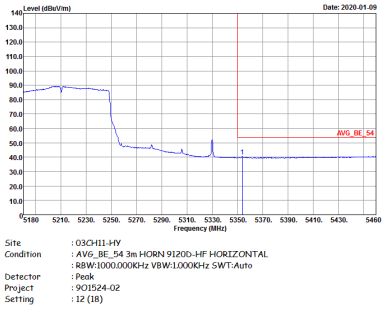
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

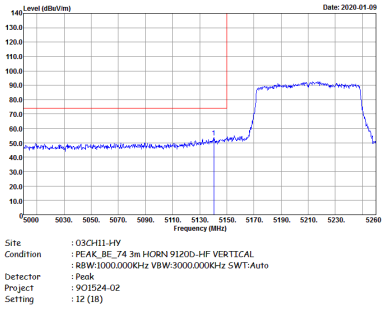
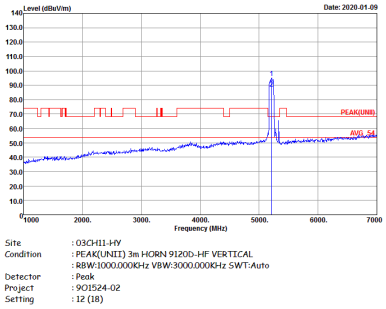
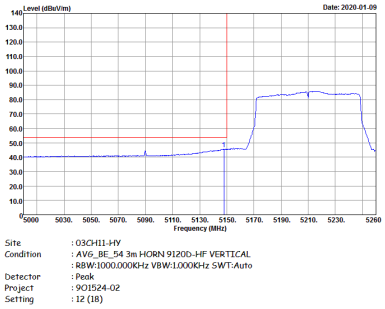
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

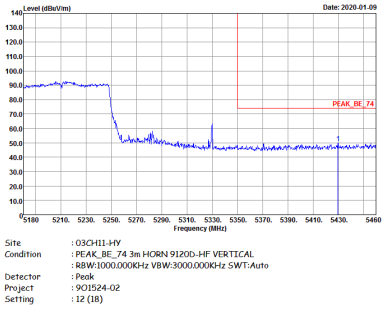
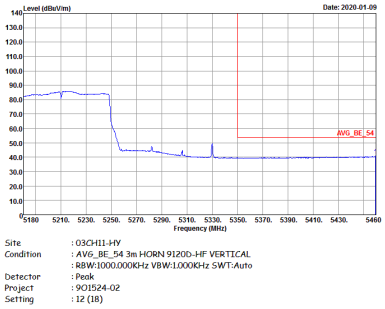
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

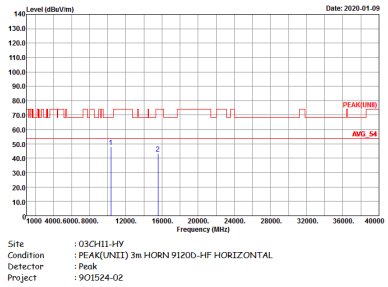
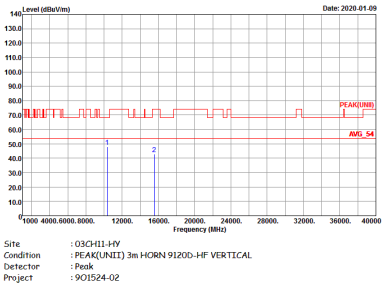
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

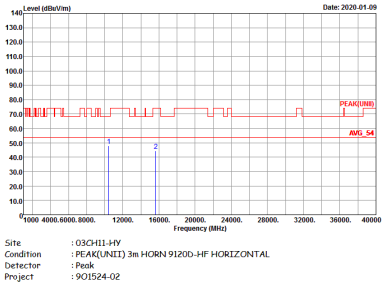
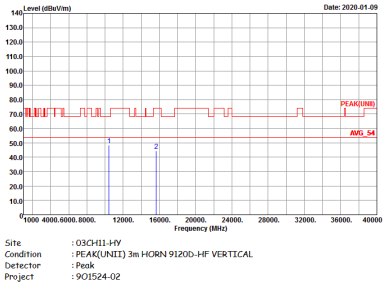
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

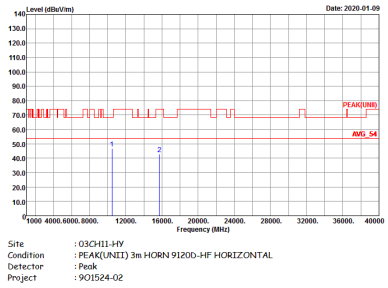
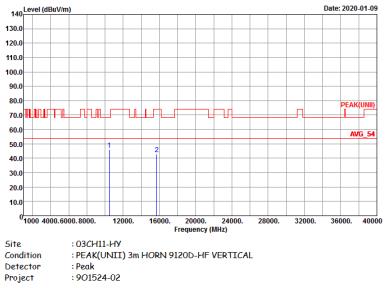
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

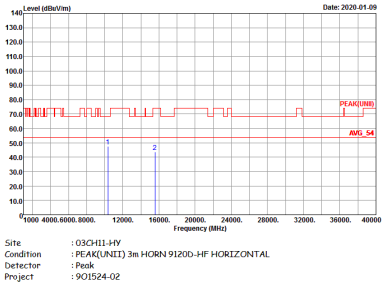
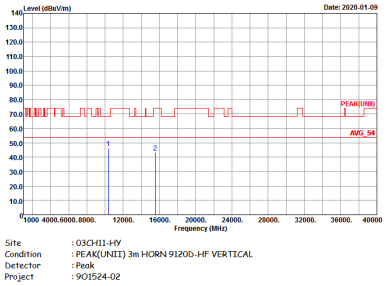
WIFI 802.11a (Harmonic @ 3m)

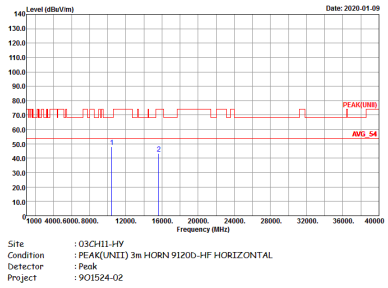
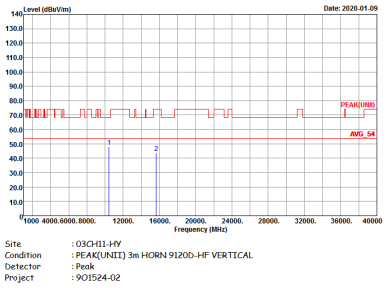
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

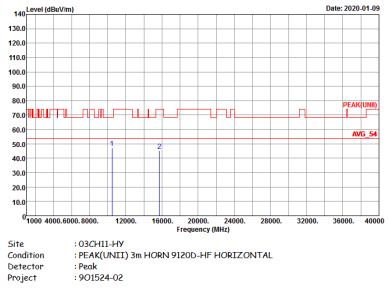
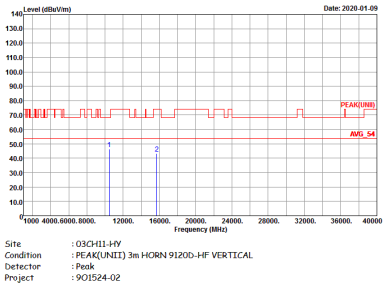
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

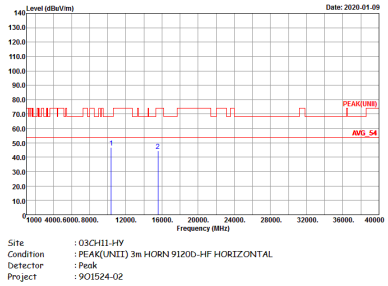
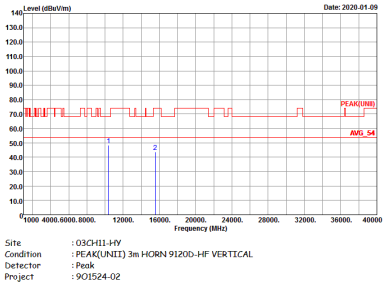
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

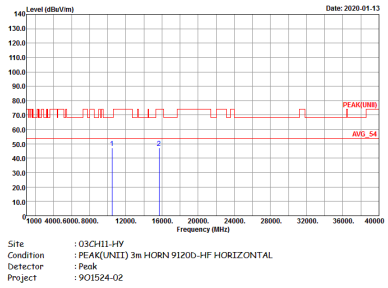
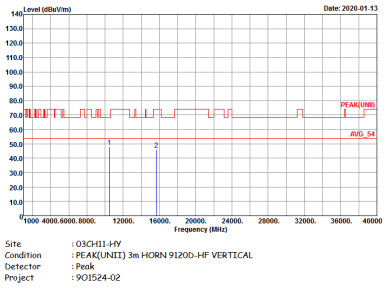
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

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

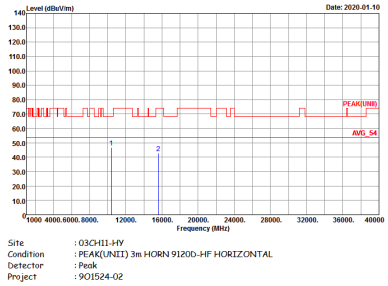
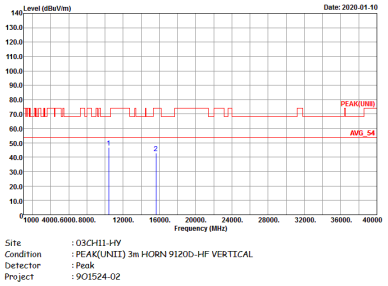
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

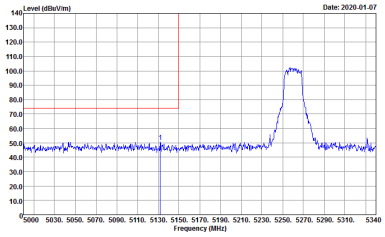
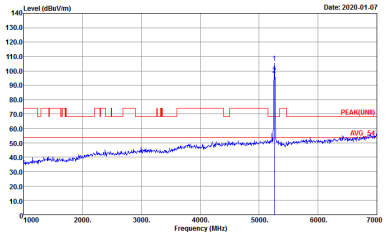
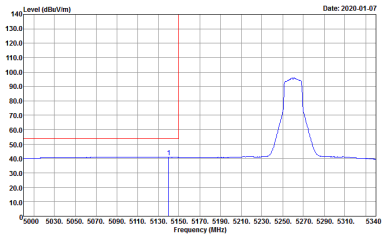
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

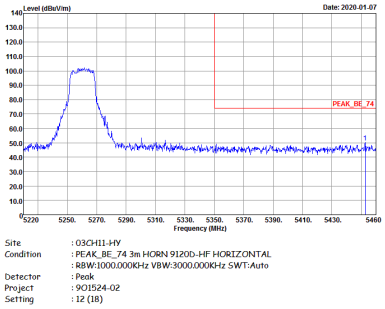
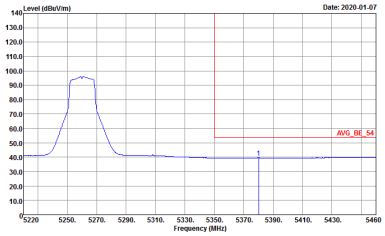
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

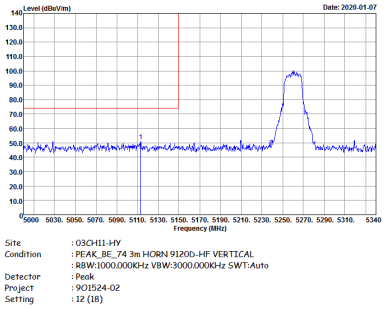
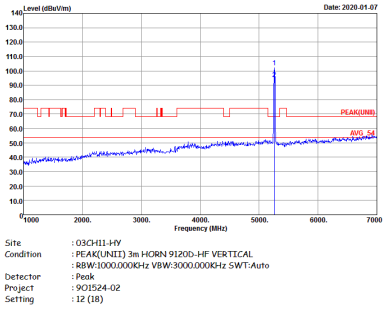
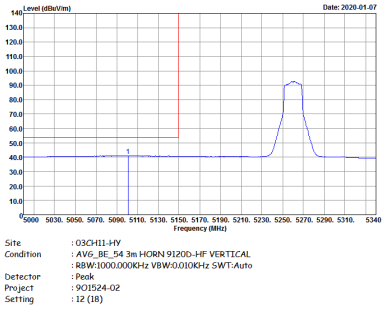
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

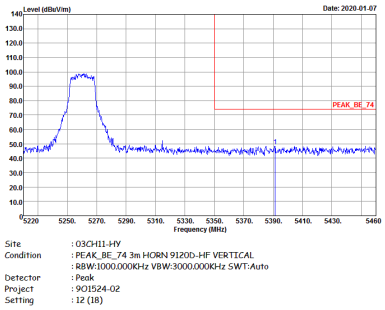
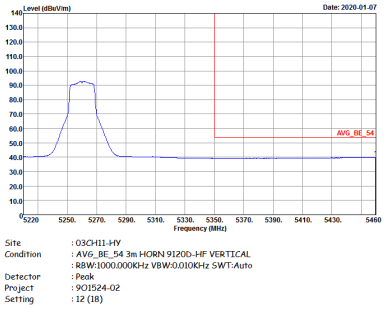
Band 2 - 5250~5350MHz

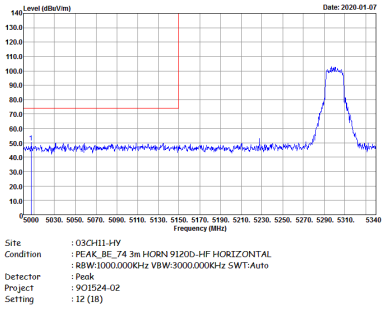
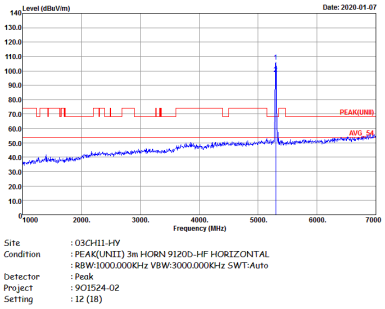
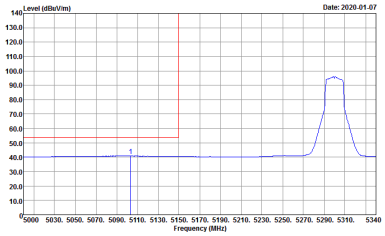
WIFI 802.11a (Band Edge @ 3m)

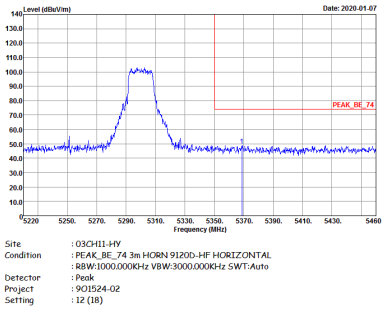
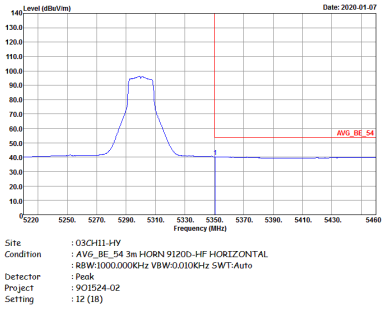
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

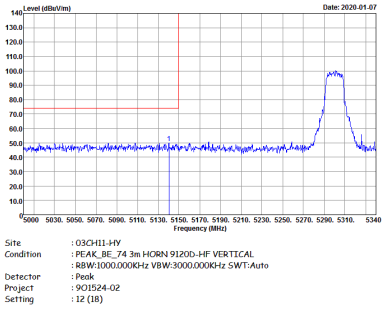
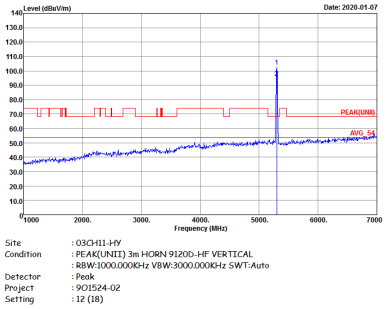
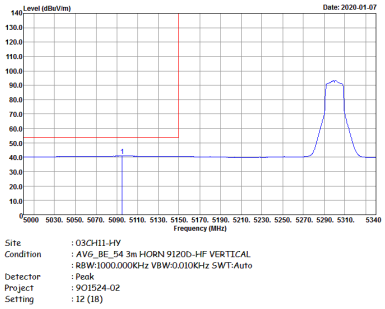
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

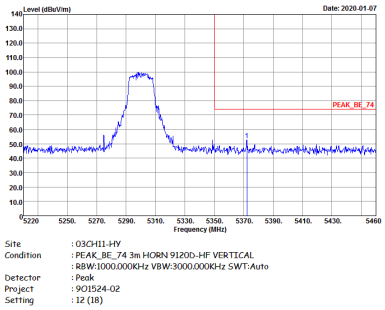
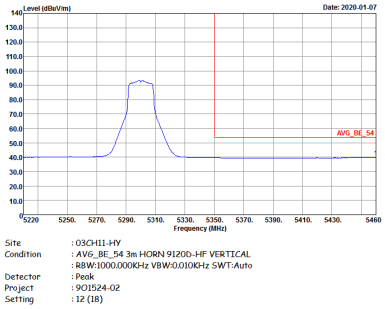
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

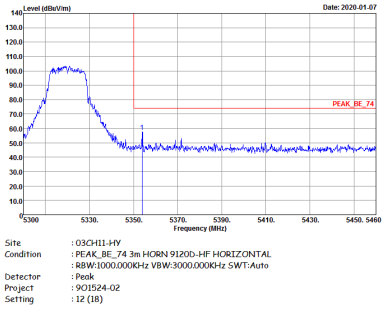
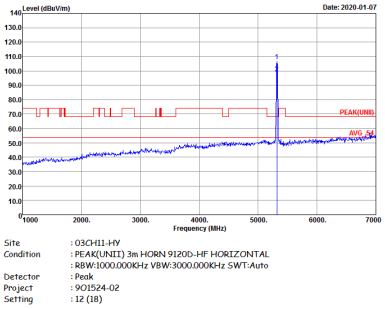
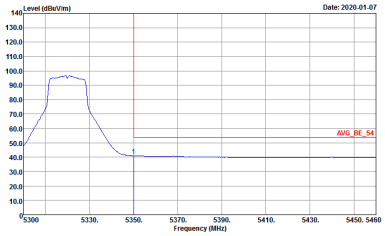
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

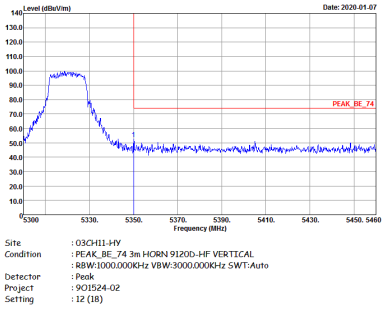
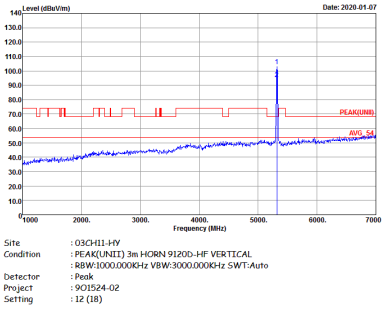
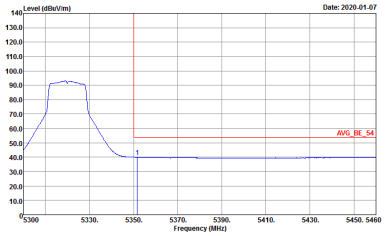
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

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

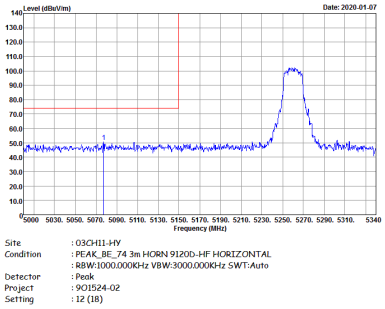
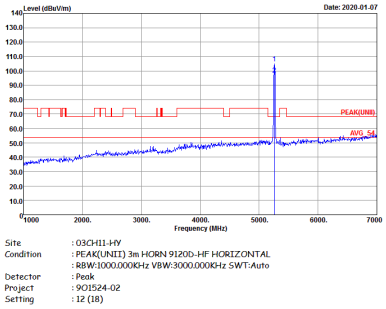
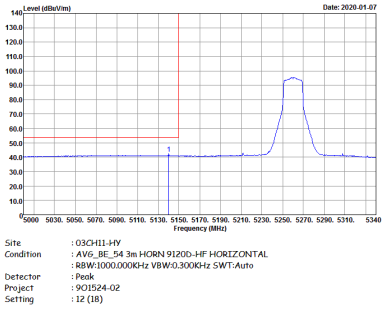
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

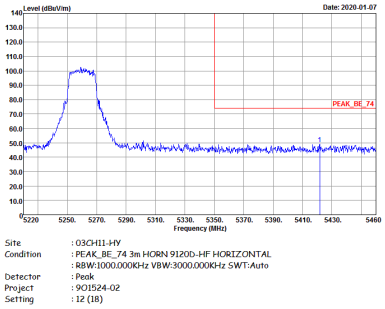
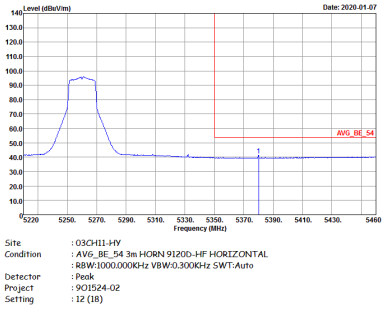
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

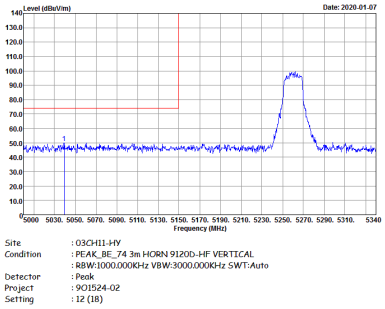
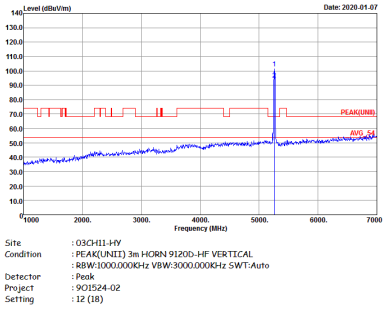
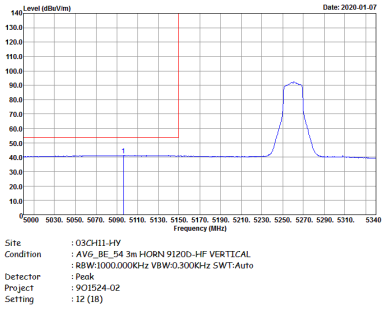
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

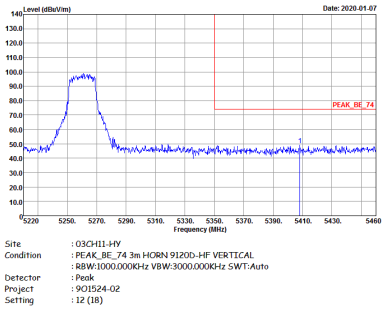
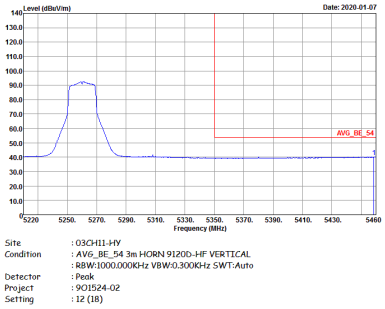
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

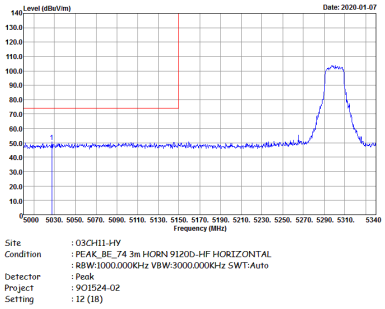
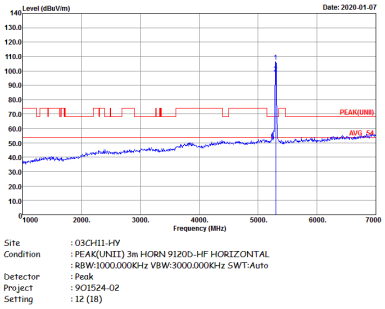
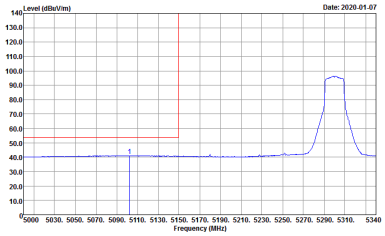
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

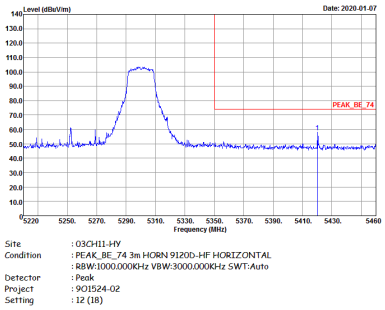
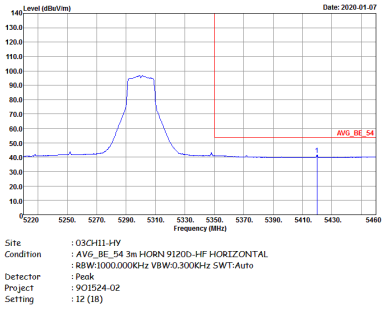
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

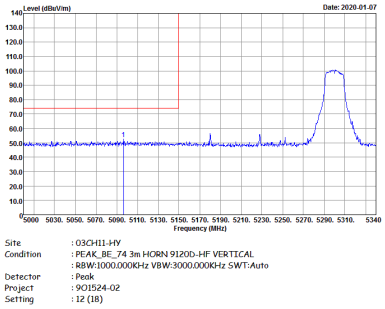
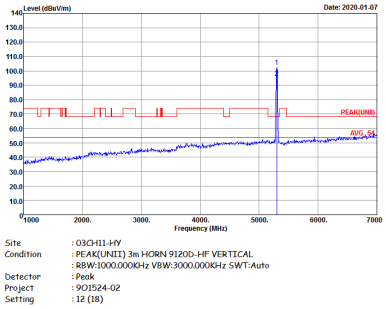
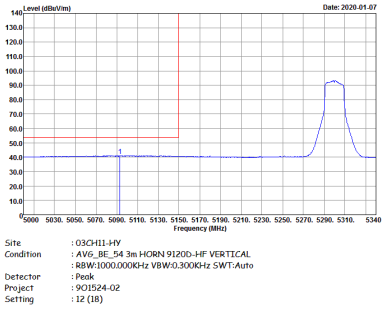
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

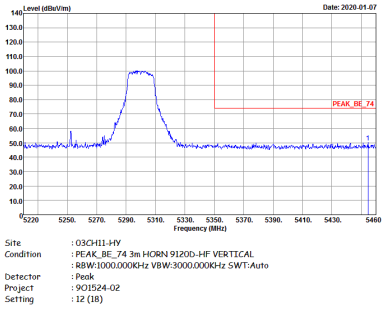
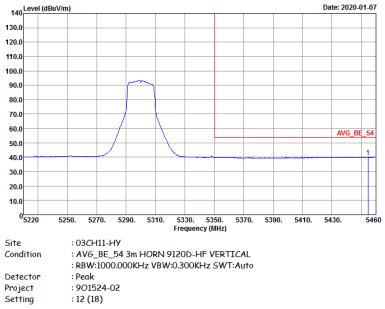
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

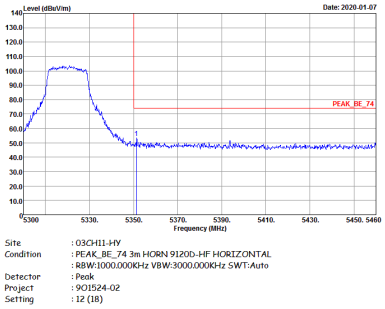
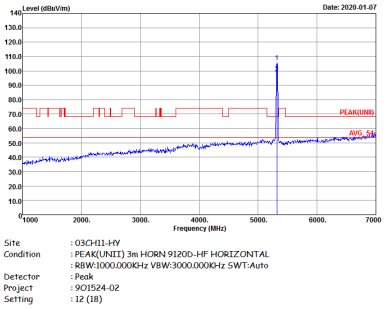
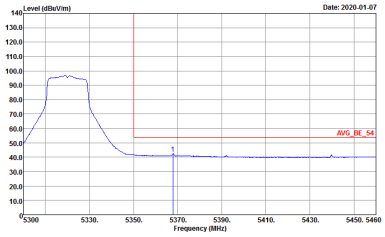
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

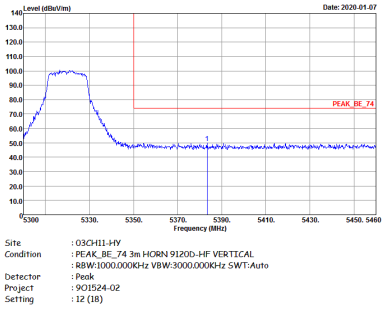
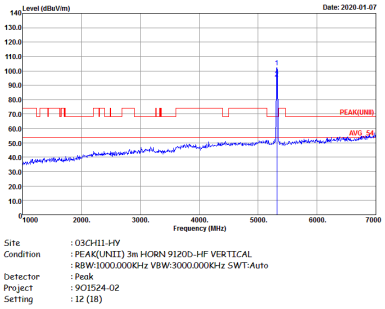
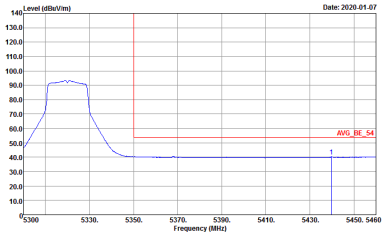
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

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

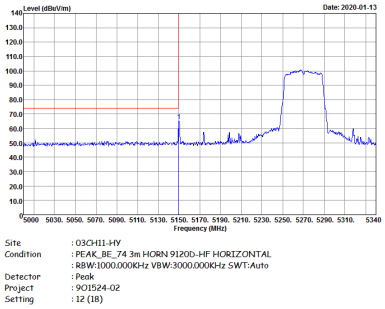
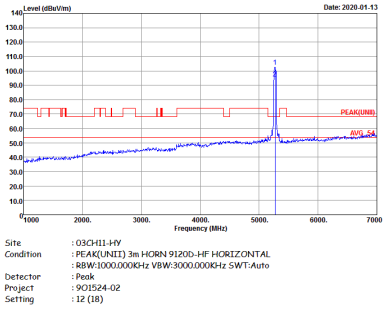
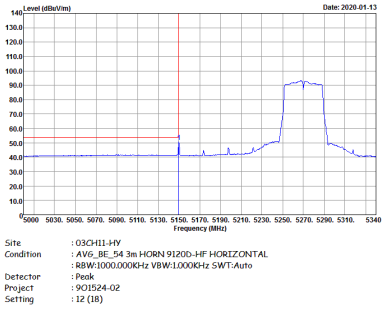
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

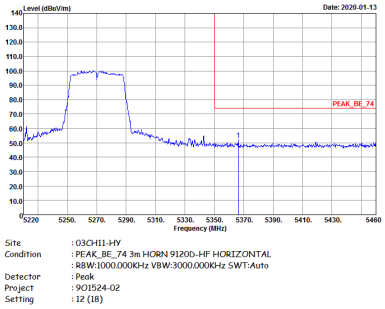
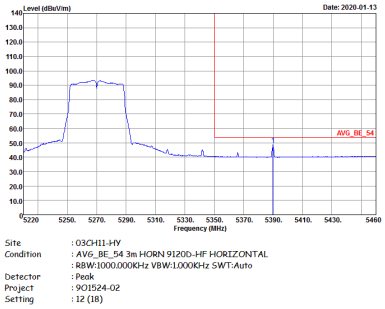
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

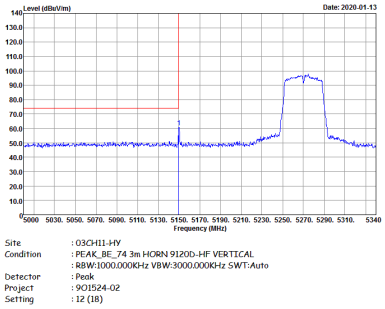
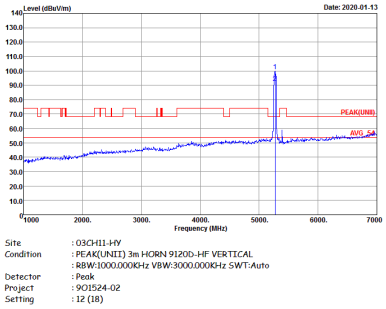
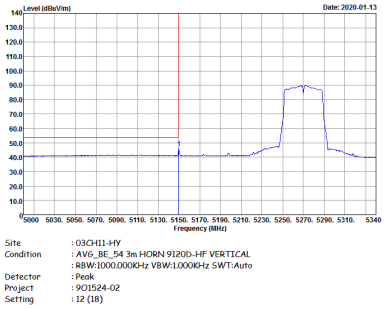
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

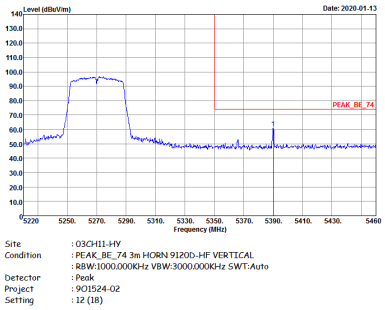
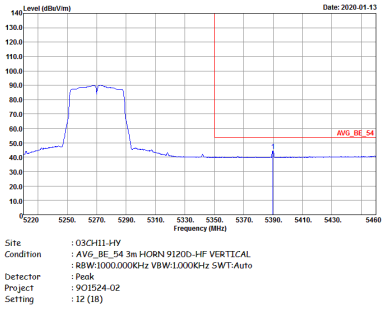
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

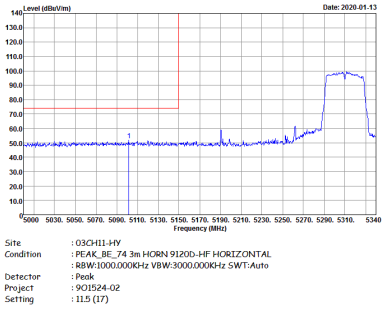
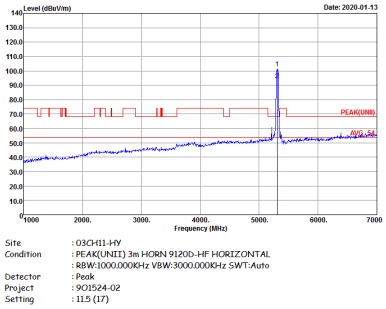
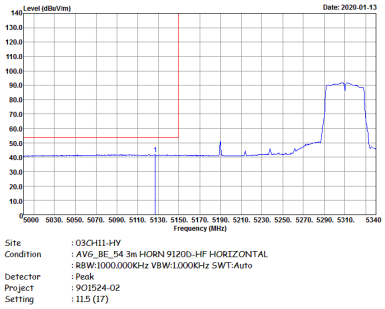
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

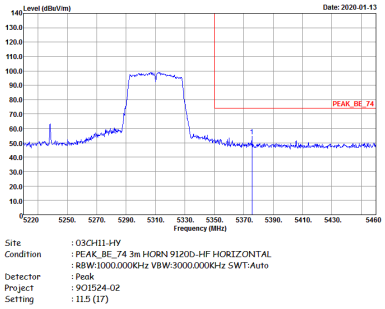
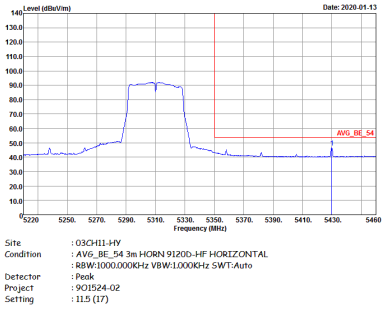
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

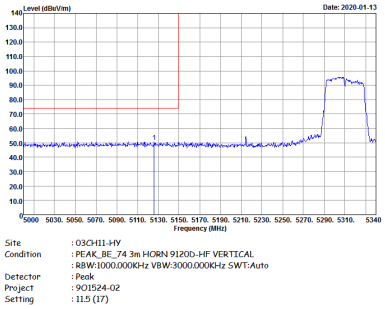
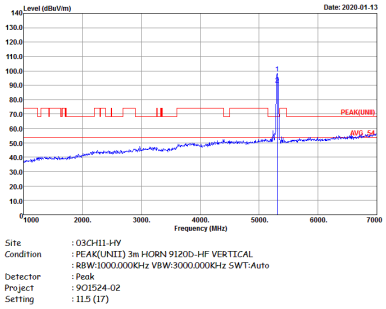
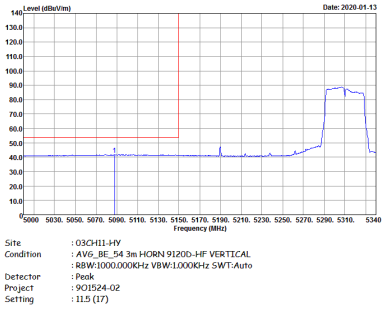
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

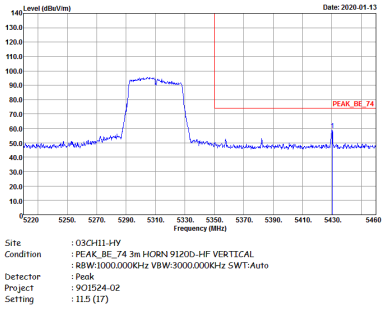
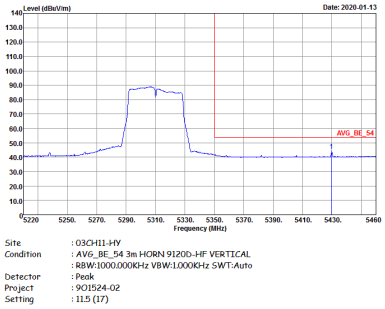
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

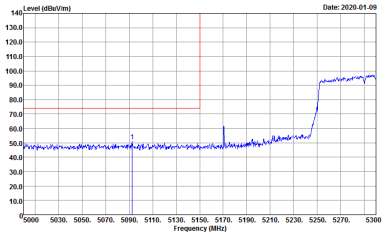
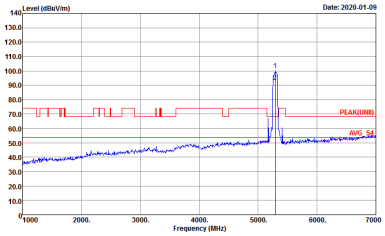
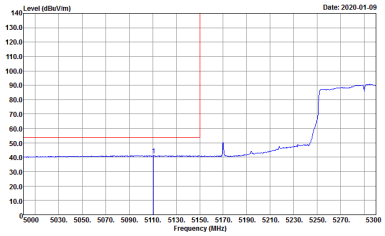
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

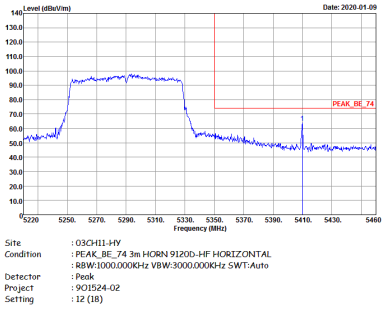
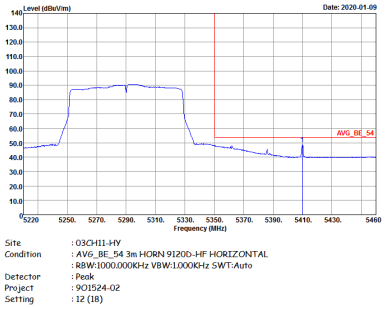
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

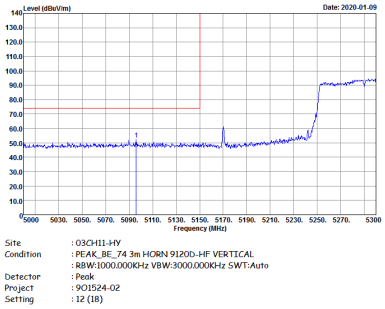
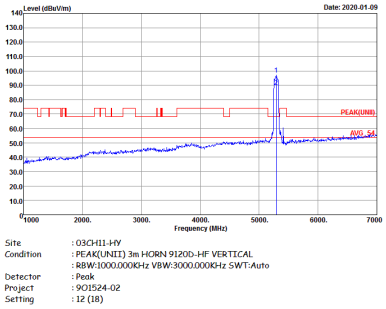
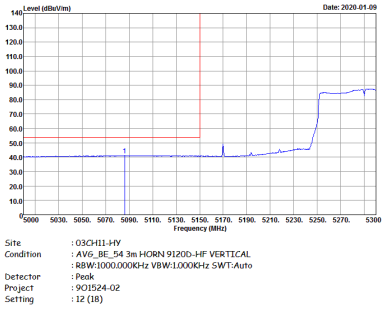
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

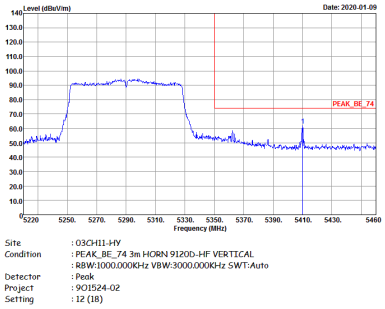
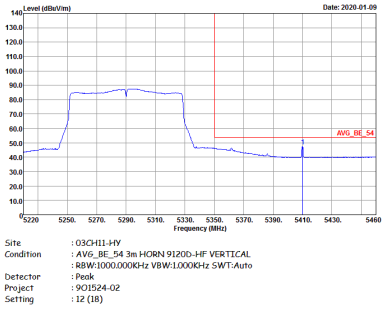
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 12 (18)	Left blank

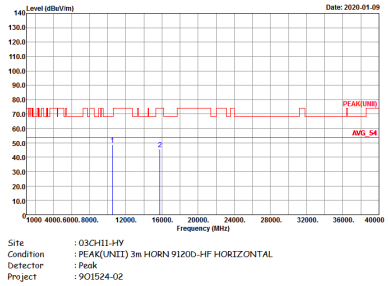
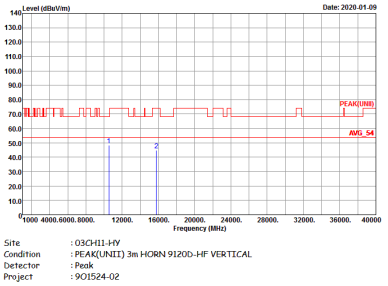
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

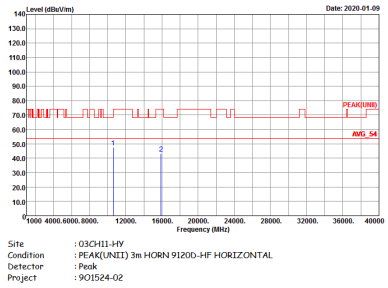
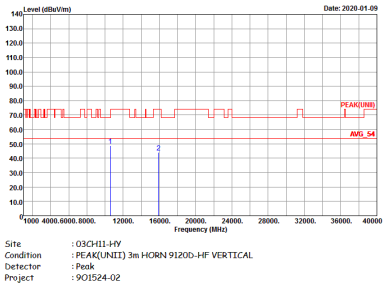
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

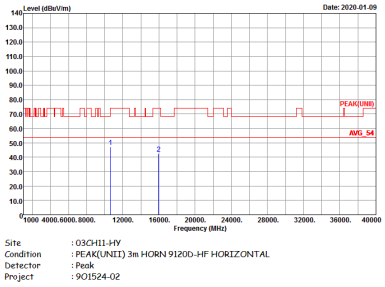
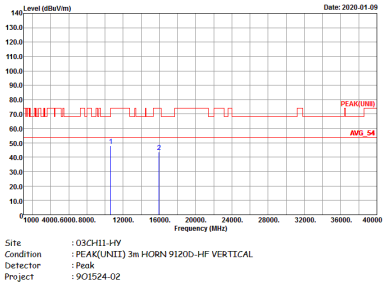
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

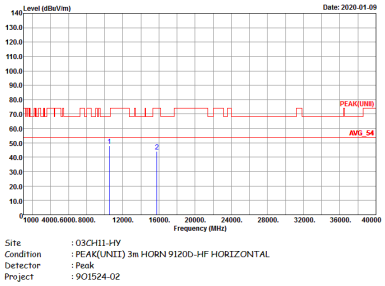
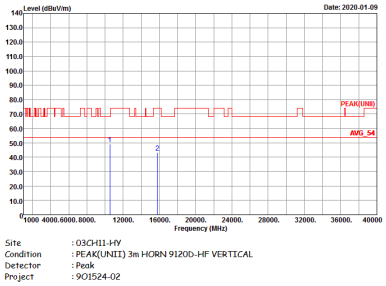
WIFI 802.11a (Harmonic @ 3m)

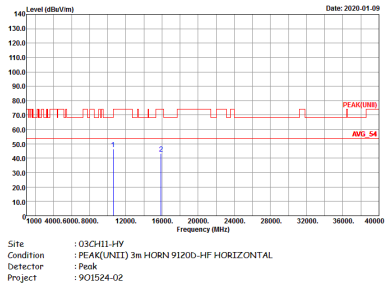
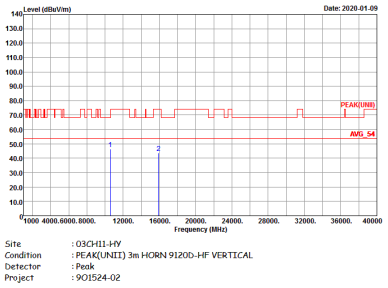
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

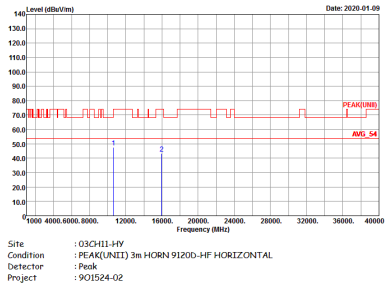
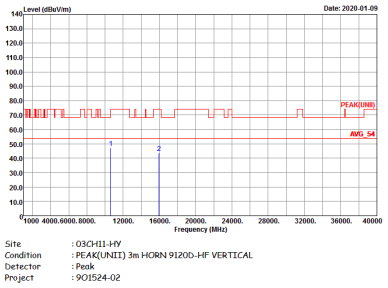
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

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

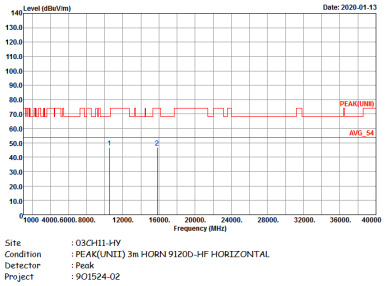
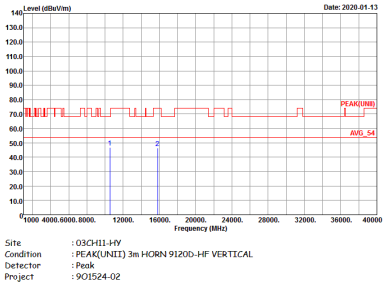
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

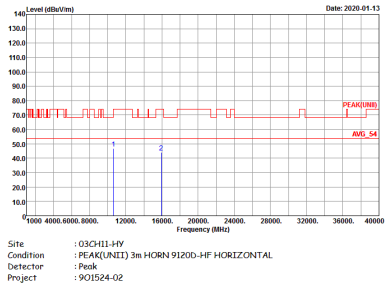
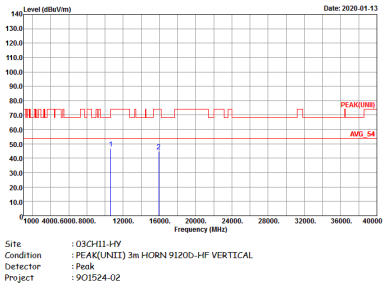
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

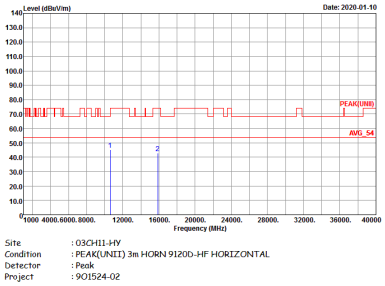
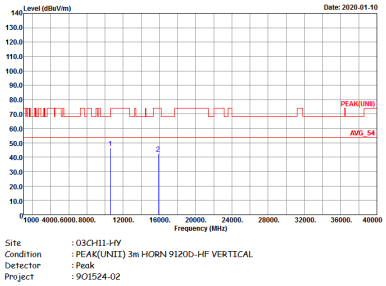
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

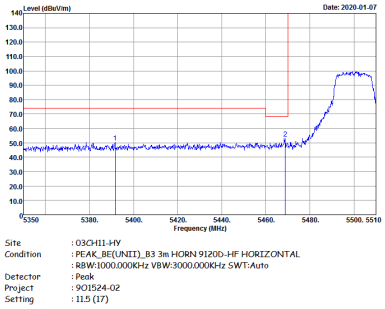
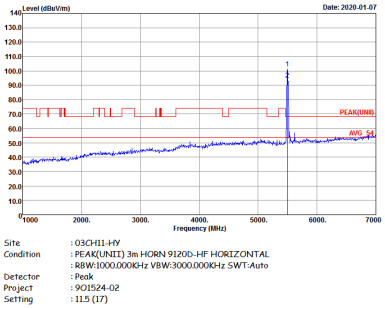
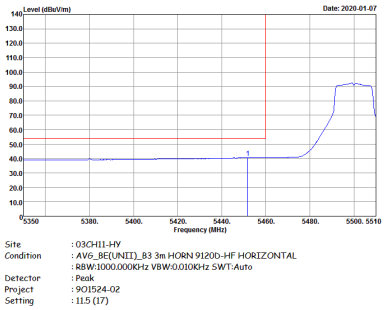
Band 2 5250~5350MHz

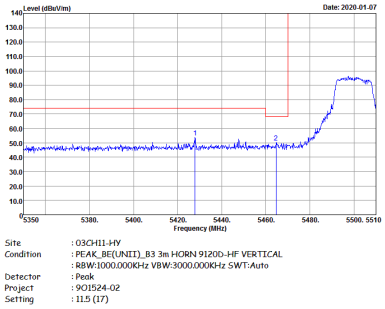
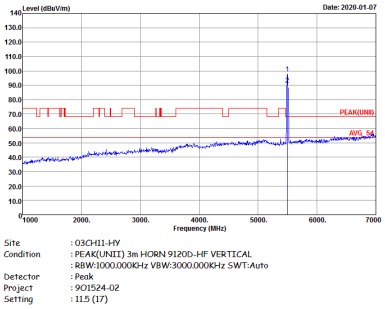
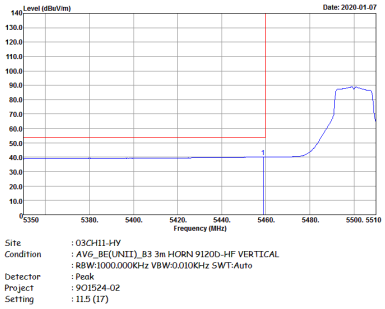
WIFI 802.11ac VHT80 (Harmonic @ 3m)

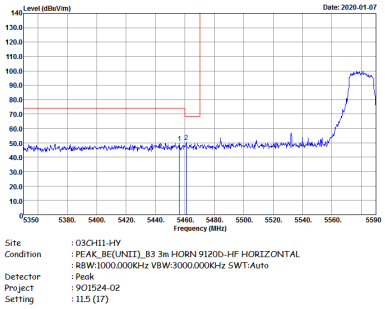
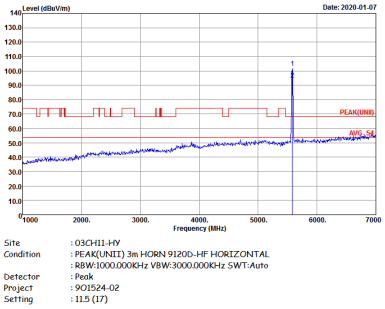
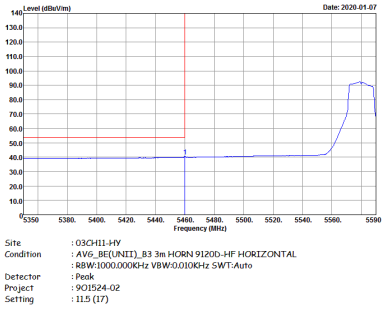
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

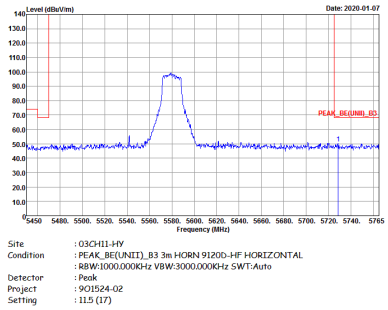
Band 3 - 5470~5725MHz

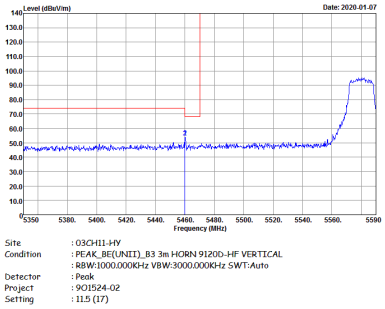
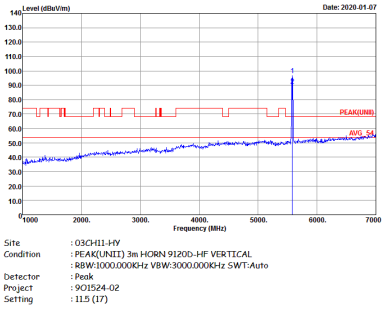
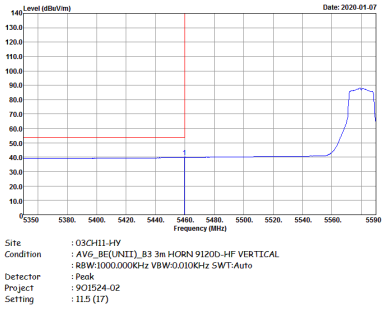
WIFI 802.11a (Band Edge @ 3m)

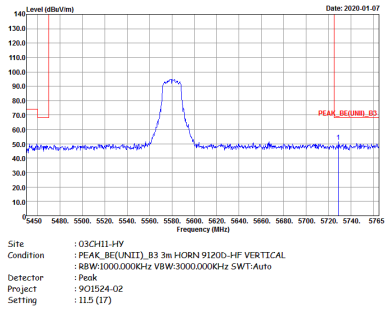
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

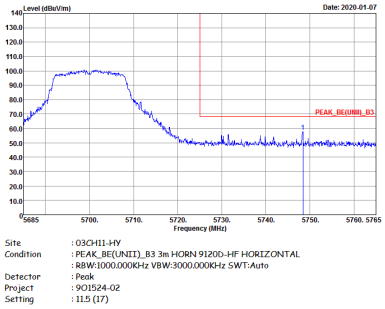
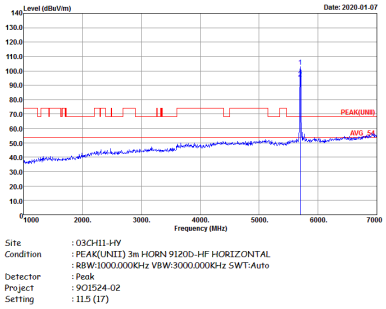
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

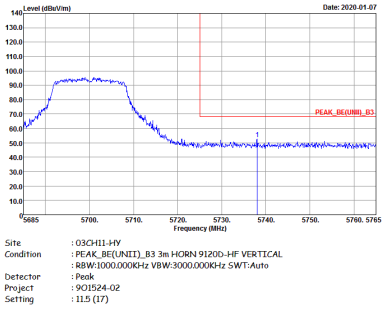
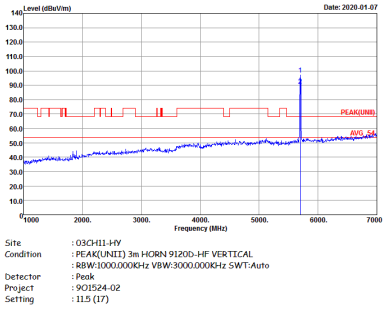
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

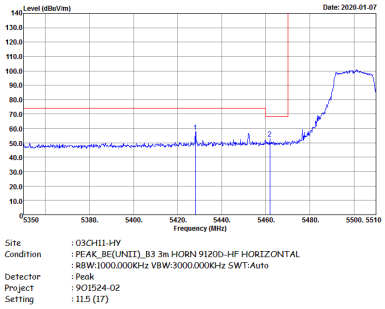
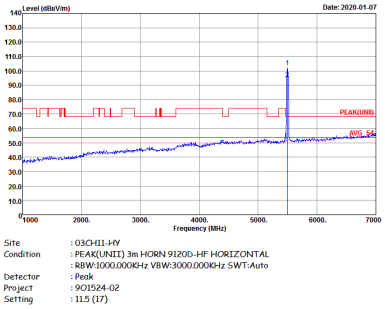
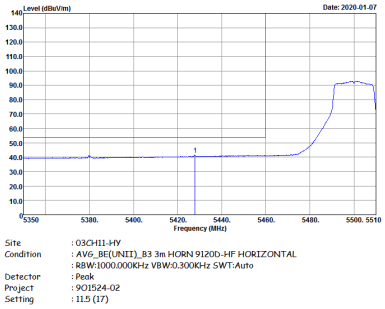
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

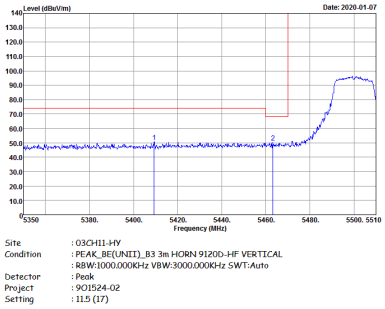
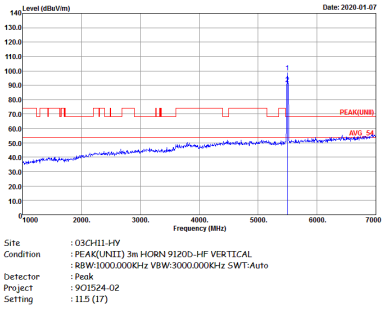
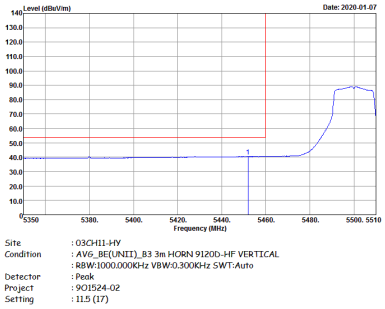
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

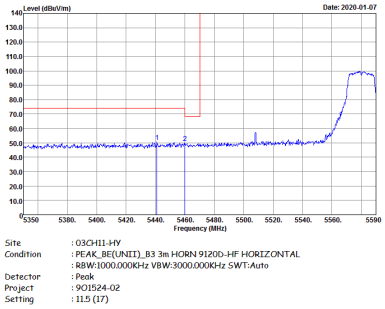
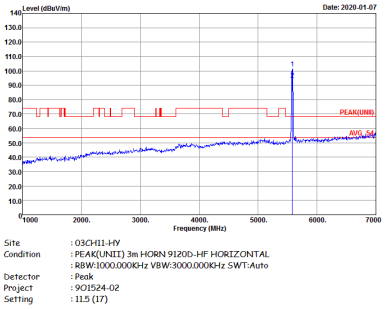
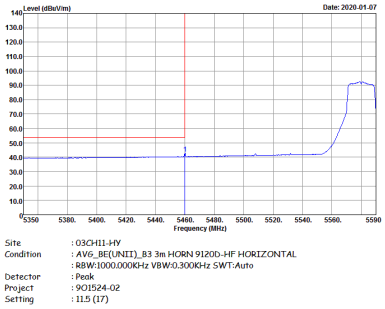
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

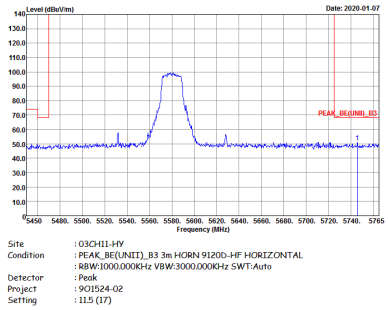
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

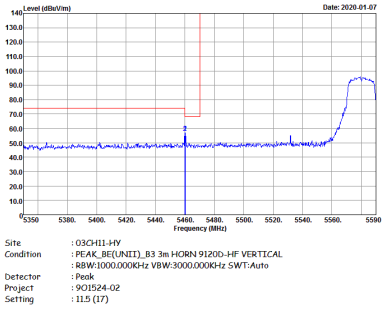
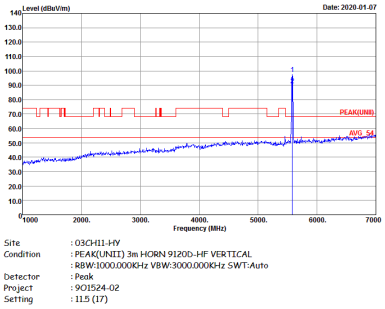
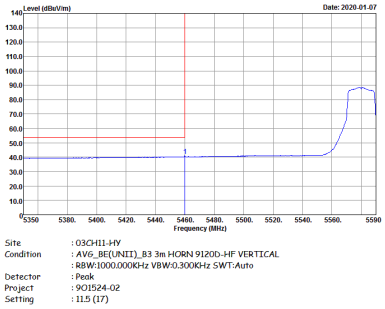
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

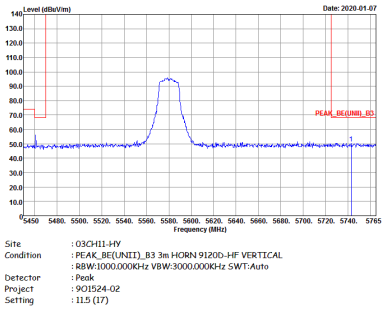
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

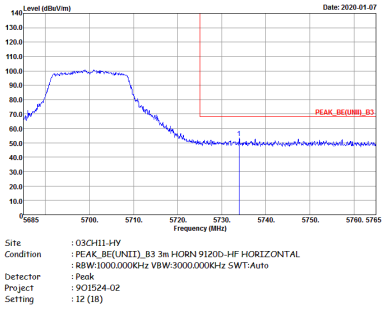
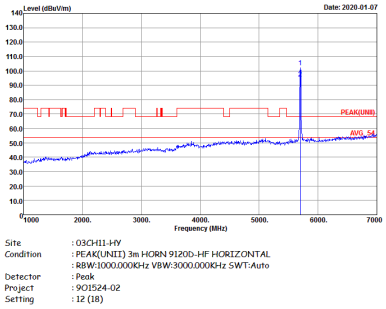
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

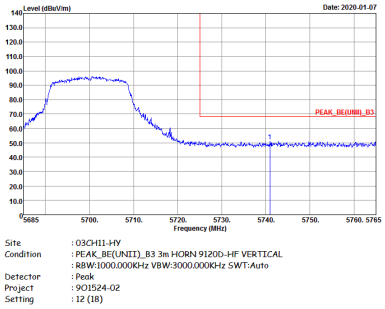
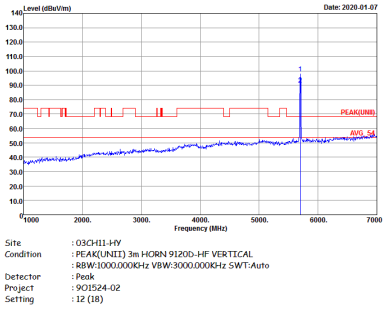
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

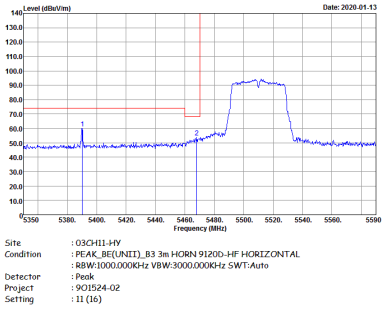
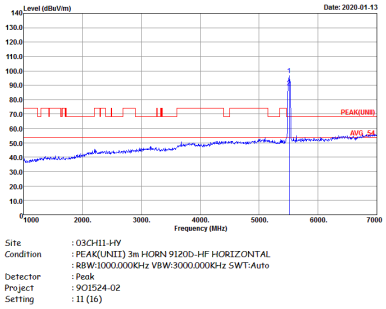
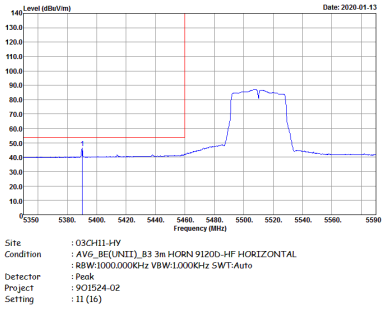
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

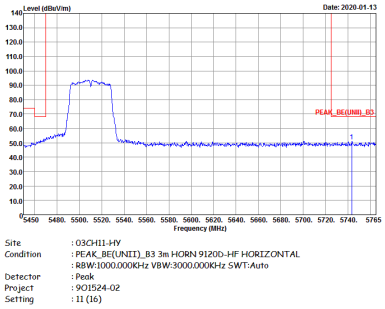
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

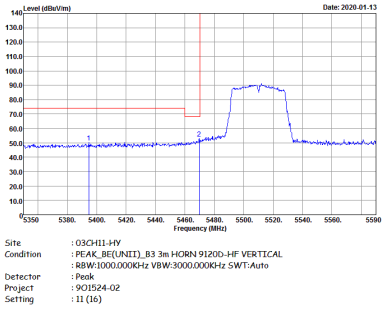
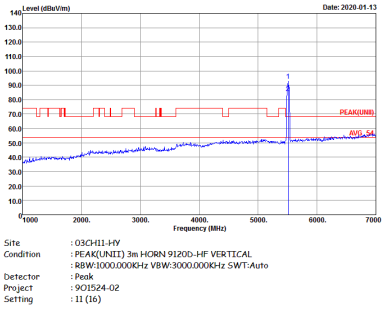
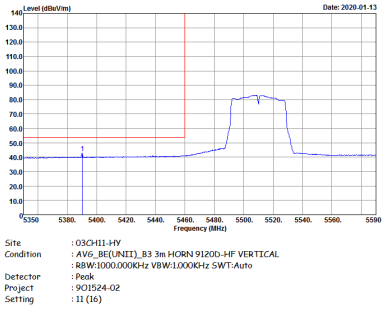
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

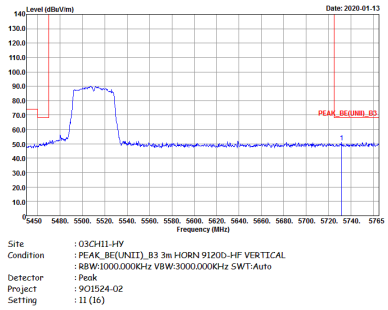
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

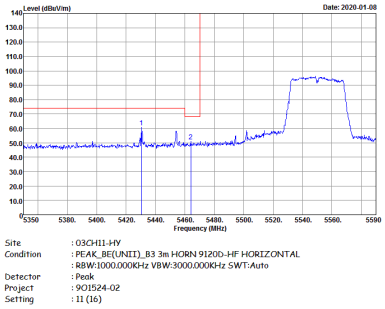
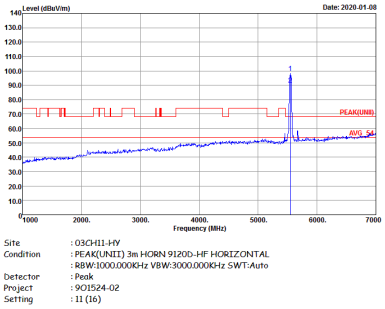
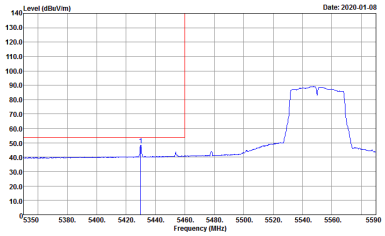
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 11 (16)	Left blank

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

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 11 (16)	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 11 (16)
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII)_B3 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O1524-02 Setting : 11 (16)	Left blank