FCC RF Test Report

APPLICANT	:	HTC Corporation
EQUIPMENT	:	Smartphone
MODEL NAME	:	2PZF100
FCC ID	:	NM82PZF100
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Nov. 25, 2016 and testing was completed on Dec. 31, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

Testing Laboratory
1190

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR6N2506-02E	Rev. 01	Initial issue of report	Jan. 25, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band) & 15.209(a)	Pass	Under limit 3.01 dB at 5725.880 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 10.20 dB at 13.558 MHz
3.6	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

HTC Corporation
1F, 6-3 Baoqiang Rd., Xindian District, New Taipei City, Taiwan 231

1.2 Manufacturer

HTC Corporation
1F, 6-3 Baoqiang Rd., Xindian District, New Taipei City, Taiwan 231

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smartphone
Model Name	2PZF100
FCC ID	NM82PZF100
Sample 1	EUT with battery 1 and memory 1
Sample 2	EUT with battery 2 and memory 2
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
Maximum Output Power to Antenna <CDD Modes>	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a : 15.95 dBm / 0.0394 W 802.11n HT20 : 15.76 dBm / 0.0377 W 802.11n HT40 : 15.68 dBm / 0.0370 W 802.11ac VHT20: 15.71 dBm / 0.0372 W 802.11ac VHT40: 15.56 dBm / 0.0360 W 802.11ac VHT80: 15.92 dBm / 0.0391 W **<Ant. 2>** 802.11a : 15.95 dBm / 0.0394 W 802.11n HT20 : 15.81 dBm / 0.0381 W 802.11n HT40 : 15.52 dBm / 0.0356 W 802.11ac VHT20: 15.66 dBm / 0.0368 W 802.11ac VHT40: 15.51 dBm / 0.0356 W 802.11ac VHT80: 15.52 dBm / 0.0356 W **MIMO <Ant. 1 + 2>** 802.11n HT20 : 18.87 dBm / 0.0771 W 802.11n HT40 : 18.78 dBm / 0.0755 W 802.11ac VHT20: 18.75 dBm / 0.0750 W 802.11ac VHT40: 18.67 dBm / 0.0736 W 802.11ac VHT80: 18.96 dBm / 0.0787 W **<5260 MHz ~ 5320 MHz>** **<Ant. 1>** 802.11a : 15.94 dBm / 0.0393 W 802.11n HT20 : 15.71 dBm / 0.0372 W 802.11n HT40 : 15.69 dBm / 0.0371 W 802.11ac VHT20: 15.67 dBm / 0.0369 W 802.11ac VHT40: 15.57 dBm / 0.0361 W 802.11ac VHT80: 15.87 dBm / 0.0386 W **<Ant. 2>** 802.11a : 15.60 dBm / 0.0363 W 802.11n HT20 : 15.71 dBm / 0.0372 W 802.11n HT40 : 15.53 dBm / 0.0357 W 802.11ac VHT20: 15.61 dBm / 0.0364 W 802.11ac VHT40: 15.51 dBm / 0.0356 W 802.11ac VHT80: 15.50 dBm / 0.0355 W **MIMO <Ant. 1 + 2>** 802.11n HT20 : 18.81 dBm / 0.0760 W 802.11n HT40 : 18.86 dBm / 0.0769 W 802.11ac VHT20: 18.69 dBm / 0.0740 W 802.11ac VHT40: 18.70 dBm / 0.0741 W 802.11ac VHT80: 18.92 dBm / 0.0780 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Modes>	**<5500 MHz ~ 5700 MHz>** **<Ant. 1>** 802.11a : 15.90 dBm / 0.0389 W 802.11n HT20 : 15.75 dBm / 0.0376 W 802.11n HT40 : 15.86 dBm / 0.0385 W 802.11ac VHT20: 15.67 dBm / 0.0369 W 802.11ac VHT40: 15.67 dBm / 0.0369 W 802.11ac VHT80: 11.90 dBm / 0.0155 W **<Ant. 2>** 802.11a : 15.98 dBm / 0.0396 W 802.11n HT20 : 15.70 dBm / 0.0372 W 802.11n HT40 : 15.60 dBm / 0.0363 W 802.11ac VHT20: 15.61 dBm / 0.0364 W 802.11ac VHT40: 15.58 dBm / 0.0361 W 802.11ac VHT80: 11.64 dBm / 0.0146 W **MIMO <Ant. 1 + 2>** 802.11n HT20 : 18.78 dBm / 0.0755 W 802.11n HT40 : 18.90 dBm / 0.0776 W 802.11ac VHT20: 18.68 dBm / 0.0738 W 802.11ac VHT40: 18.74 dBm / 0.0748 W 802.11ac VHT80: 15.06 dBm / 0.0321 W
99% Occupied Bandwidth <CDD Modes>	802.11a : 19.00 MHz 802.11n HT20 : 20.45 MHz 802.11n HT40 : 39.90 MHz 802.11ac VHT80 : 76.32 MHz
Antenna Type / Gain	**<5180 MHz ~ 5240 MHz>** **Ant. 1 :** PIFA Antenna with gain -1.60 dBi **Ant. 2 :** PIFA Antenna with gain -2.10 dBi **<5260 MHz ~ 5320 MHz>** **Ant. 1 :** PIFA Antenna with gain -1.80 dBi **Ant. 2 :** PIFA Antenna with gain -2.20 dBi **<5500 MHz ~ 5700 MHz >** **Ant. 1 :** PIFA Antenna with gain -1.30 dBi **Ant. 2 :** PIFA Antenna with gain -1.90 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Antenna Function Description	

	Ant. 1	Ant. 2
802.11 a/n/ac	V	V
802.11 n/ac MIMO	V	V

Note:

1. WLAN operation in 5600 MHz ~ 5650 MHz is notched.
2. MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

1.5 Modification of EUT

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

1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan 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.
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.

1.7 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 v01r03
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- 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

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: conducted emission (150 kHz to 30 MHz) and radiated 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 (Y plane for Ant. 1; Z plane for Ant. 2 and Ant. 1+2) were recorded in this report.

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

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 mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

Single Antenna

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

MIMO Antenna

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 :GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + NFC On + USB Cable 1 (Charging from Adapter 1) + SIM 1 for Sample 1
Remark: For radiated spurious emissions, all the test cases were performed with adapter 1, USB cable 1, and Sample 1.	

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

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

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

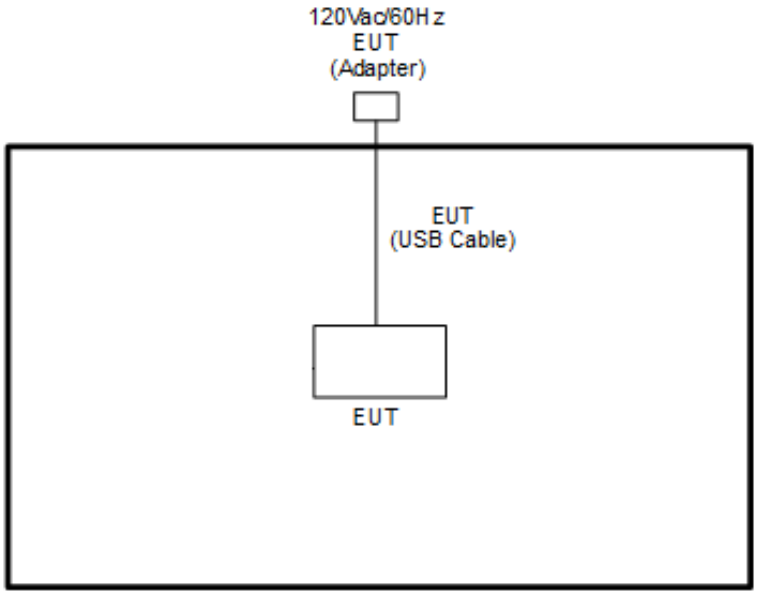
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

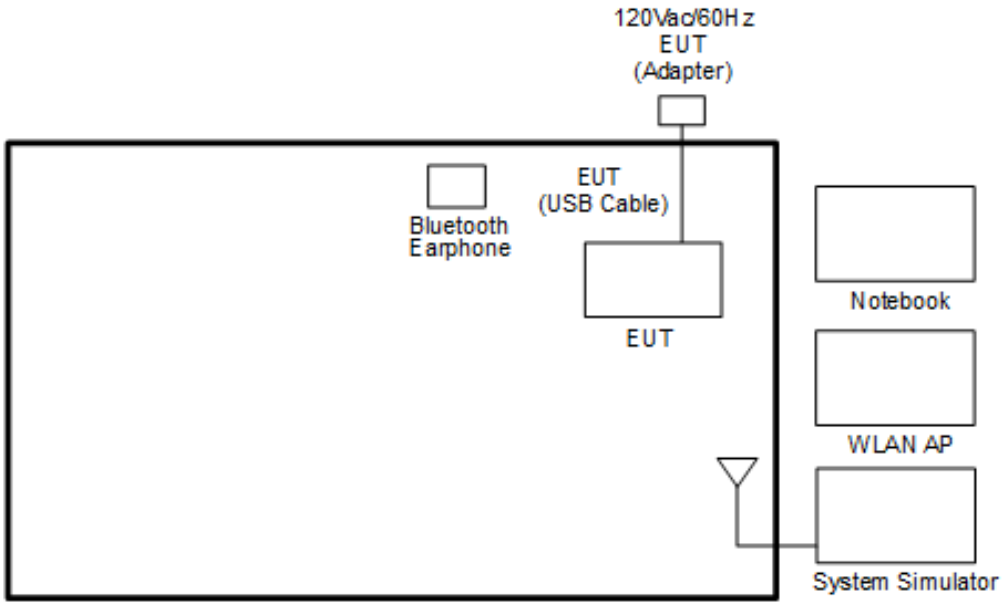
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN function, programmed RF utility, “CMD” installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

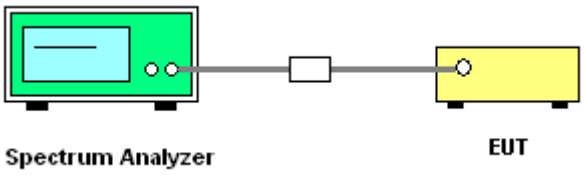
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

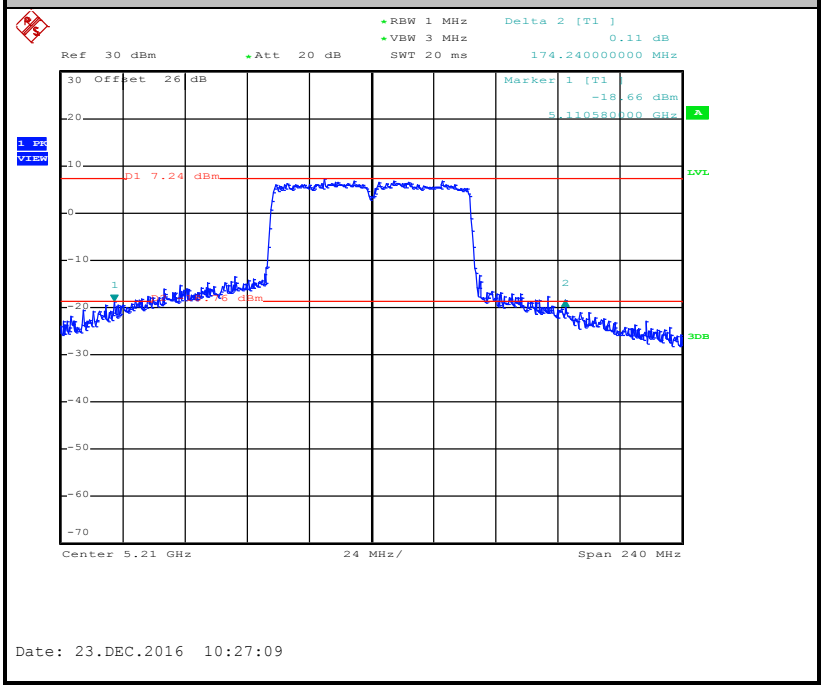
3.1.4 Test Setup



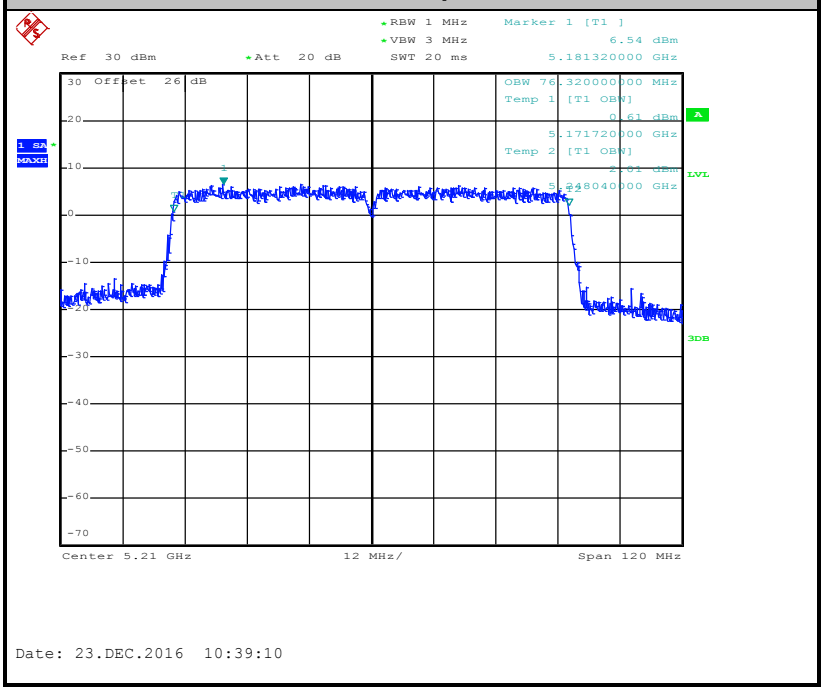
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For 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 the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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

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

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

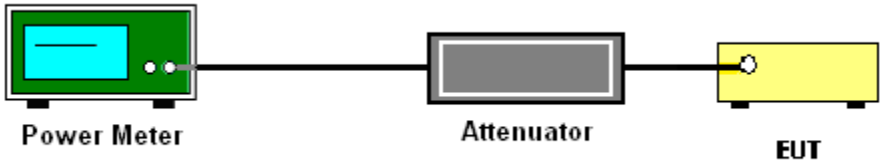
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

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 mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

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

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.
Section F) Maximum power spectral density.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

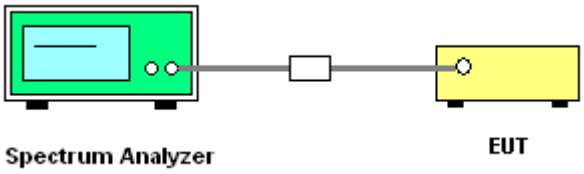
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

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

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

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

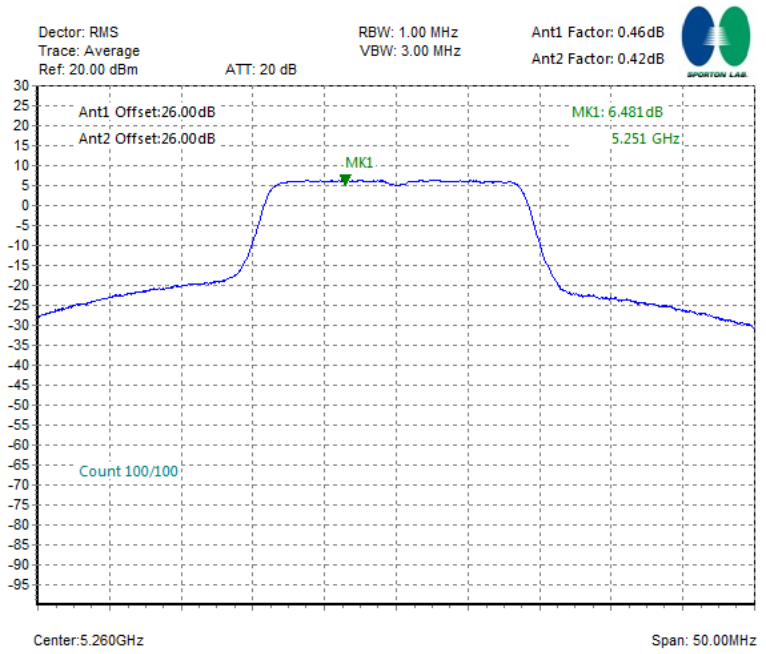
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

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 per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 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)
-17	78.3
- 27	68.3

(3) KDB789033 D02 v01r03 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03. 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

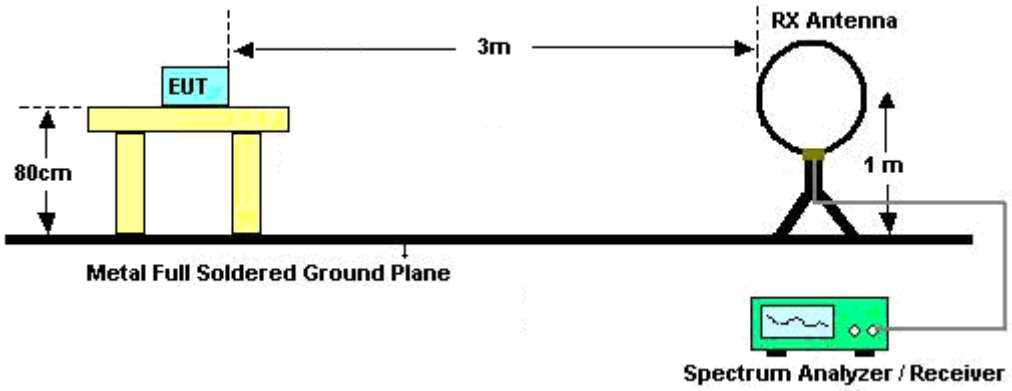
   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (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.

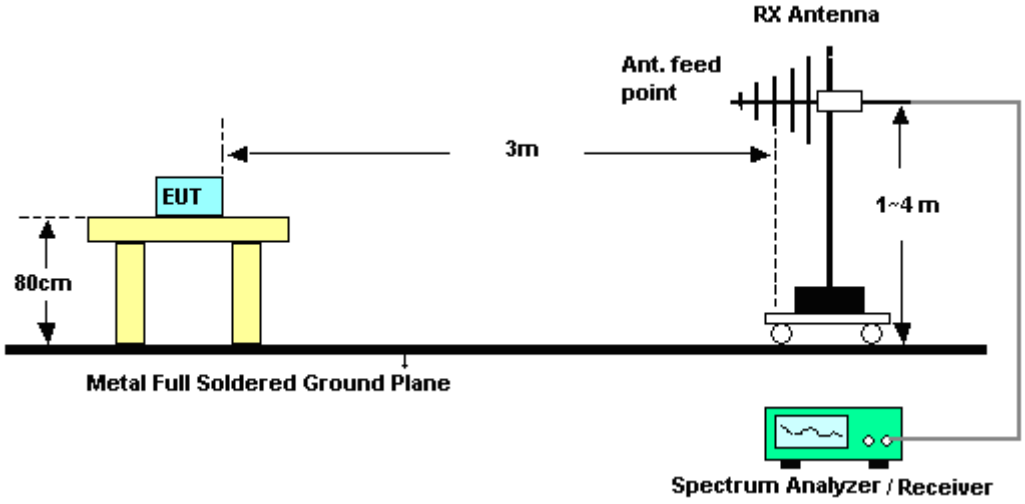
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

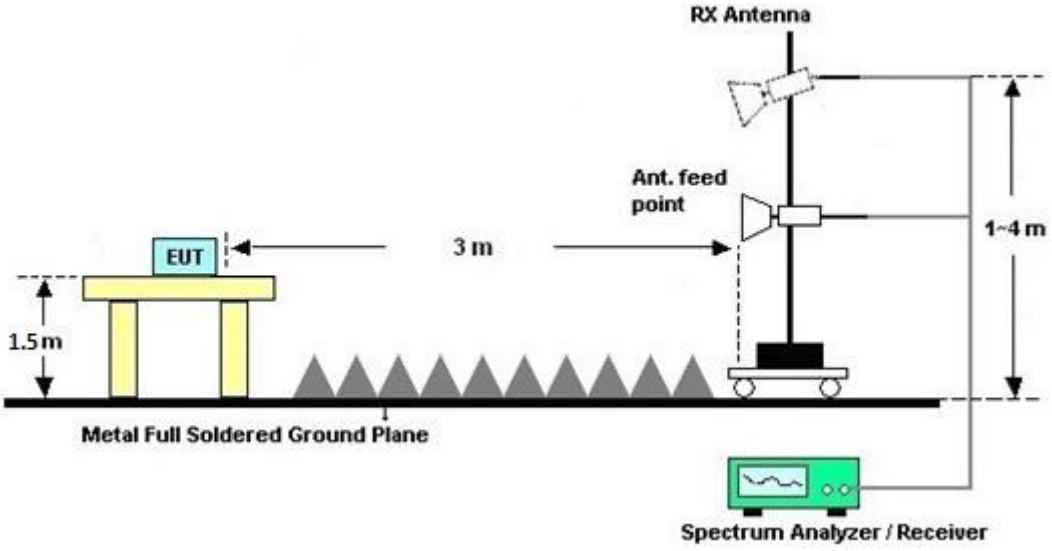
For radiated emissions below 30MHz



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 per 15.31(o) was not reported.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

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.

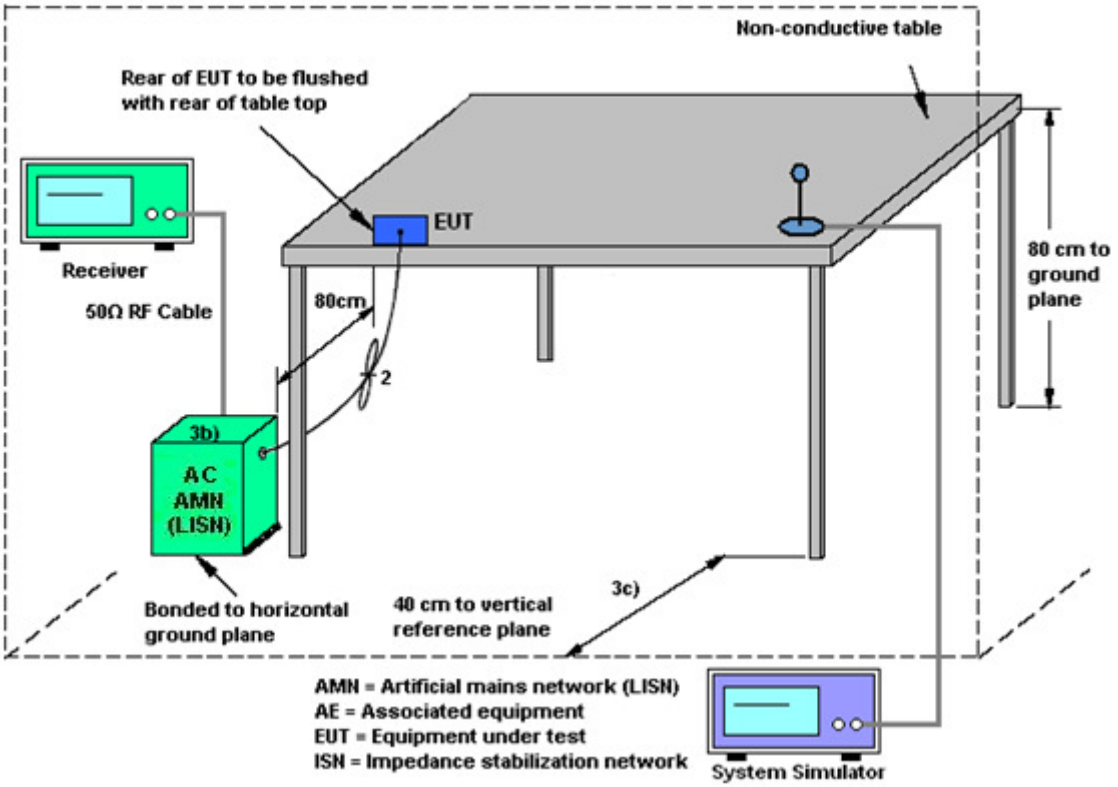
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

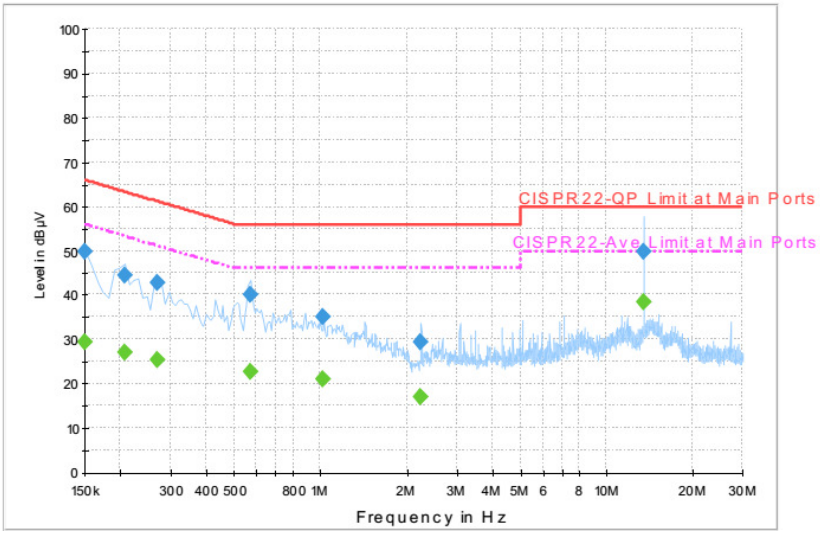
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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

Test Mode :	Mode 1	**Temperature :**	21~23℃
Test Engineer :	Arthur Hsieh	**Relative Humidity :**	51~53%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + NFC On + USB Cable 1 (Charging from Adapter 1) + SIM 1 for Sample 1		



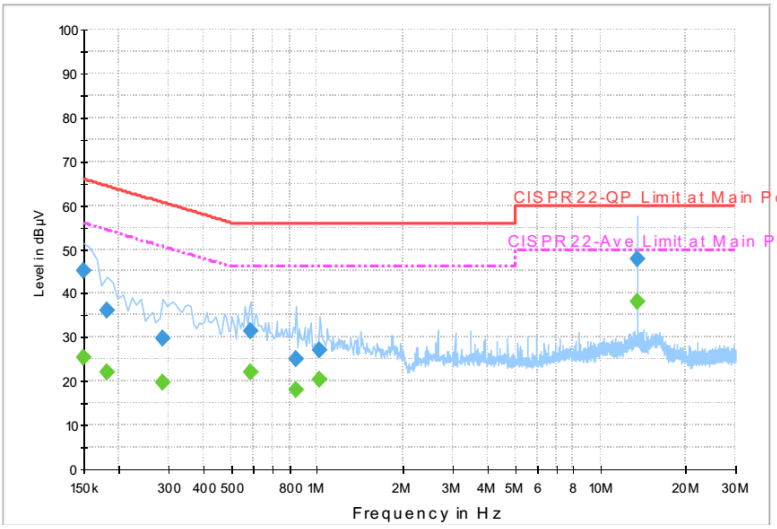
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	49.8	Off	L1	19.6	16.2	66.0
0.206000	44.5	Off	L1	19.6	18.9	63.4
0.270000	42.8	Off	L1	19.6	18.3	61.1
0.566000	40.0	Off	L1	19.6	16.0	56.0
1.022000	35.1	Off	L1	19.6	20.9	56.0
2.246000	29.3	Off	L1	18.3	26.7	56.0
13.558000	49.8	Off	L1	20.2	10.2	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	29.3	Off	L1	19.6	26.7	56.0
0.206000	27.2	Off	L1	19.6	26.2	53.4
0.270000	25.4	Off	L1	19.6	25.7	51.1
0.566000	22.9	Off	L1	19.6	23.1	46.0
1.022000	21.1	Off	L1	19.6	24.9	46.0
2.246000	17.0	Off	L1	18.3	29.0	46.0
13.558000	38.4	Off	L1	20.2	11.6	50.0

Test Mode :	Mode 1	**Temperature :**	21~23℃
Test Engineer :	Arthur Hsieh	**Relative Humidity :**	51~53%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + NFC On + USB Cable 1 (Charging from Adapter 1) + SIM 1 for Sample 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	45.0	Off	N	19.5	21.0	66.0
0.182000	36.3	Off	N	19.5	28.1	64.4
0.286000	29.8	Off	N	19.5	30.8	60.6
0.582000	31.3	Off	N	19.5	24.7	56.0
0.846000	24.9	Off	N	19.5	31.1	56.0
1.022000	27.0	Off	N	19.5	29.0	56.0
13.558000	47.8	Off	N	20.2	12.2	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	25.4	Off	N	19.5	30.6	56.0
0.182000	22.2	Off	N	19.5	32.2	54.4
0.286000	19.6	Off	N	19.5	31.0	50.6
0.582000	22.1	Off	N	19.5	23.9	46.0
0.846000	18.1	Off	N	19.5	27.9	46.0
1.022000	20.4	Off	N	19.5	25.6	46.0
13.558000	38.2	Off	N	20.2	11.8	50.0

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

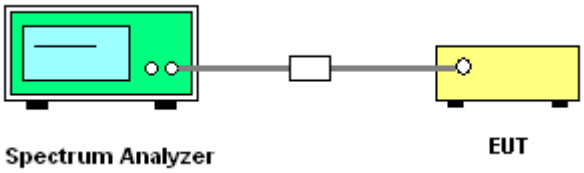
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 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.

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.7.3 Test Result of Automatically Discontinue Transmission

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

3.8 Antenna Requirements

3.8.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,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.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

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

Array Gain = 10 log(N_{ANT}/N_{SS}=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

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

The EUT supports CDD mode.

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

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-1.60	-2.10	-1.60	1.16	0.00	0.00
Band II	-1.80	-2.20	-1.80	1.01	0.00	0.00
Band III	-1.30	-1.90	-1.30	1.42	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Dec. 08, 2016 ~ Dec. 31, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Dec. 08, 2016 ~ Dec. 31, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Dec. 08, 2016 ~ Dec. 31, 2016	Jul. 16, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 01, 2016	Dec. 08, 2016 ~ Dec. 31, 2016	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 11, 2016	Dec. 08, 2016 ~ Dec. 31, 2016	Oct. 10, 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 28, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Dec. 28, 2016	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Dec. 28, 2016	Nov. 28, 2017	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 10, 2016	Dec. 20, 2016 ~ Dec. 25, 2016	Nov. 09, 2017	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Dec. 20, 2016 ~ Dec. 25, 2016	Sep. 01, 2017	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Oct. 15, 2016	Dec. 20, 2016 ~ Dec. 25, 2016	Oct. 14, 2017	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz ~ 18GHz	Mar. 30, 2016	Dec. 20, 2016 ~ Dec. 25, 2016	Mar. 31, 2017	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 10, 2016	Dec. 20, 2016 ~ Dec. 25, 2016	Nov. 09, 2017	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY52350276	10Hz ~ 44GHZ	Mar. 21, 2016	Dec. 20, 2016 ~ Dec. 25, 2016	Mar. 20, 2017	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Dec. 20, 2016 ~ Dec. 25, 2016	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Dec. 20, 2016 ~ Dec. 25, 2016	N/A	Radiation (03CH11-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Dec. 20, 2016 ~ Dec. 25, 2016	Feb. 14, 2017	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Dec. 20, 2016 ~ Dec. 25, 2016	Nov. 07, 2017	Radiation (03CH11-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.7

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.5

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Aking Chang	Temperature:	21~25	°C
Test Date:	2016/12/08 ~ 2016/12/31	Relative Humidity:	51~54	%

Report Number : FR6N2506E

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	18.40	18.35	26.80	27.90	-		22.65	22.64		
11a	6Mbps	1	44	5220	18.50	19.00	30.90	35.90	-		22.67	22.79		
11a	6Mbps	1	48	5240	18.30	18.40	26.90	27.00	-		22.62	22.65		
HT20	MCS8	2	36	5180	19.40	19.20	42.08	45.12	-		22.83			
HT20	MCS8	2	44	5220	19.45	19.10	44.80	39.68	-		22.81			
HT20	MCS8	2	48	5240	19.35	19.70	44.00	43.36	-		22.87			
HT40	MCS8	2	38	5190	36.90	36.80	41.28	41.44	-		23.01			
HT40	MCS8	2	46	5230	37.20	37.50	80.96	82.24	-		23.01			
VHT80	MCS0	2	42	5210	76.32	76.32	174.24	160.32	-		23.01			

Report Number : FR6N2506E

TEST RESULTS DATA
Average Power Table

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	0.20	0.25	15.95	15.95		24.00	24.00	-1.60	-2.10		Pass
11a	6Mbps	1	44	5220	0.20	0.25	15.90	15.86		24.00	24.00	-1.60	-2.10		Pass
11a	6Mbps	1	48	5240	0.20	0.25	15.91	15.80		24.00	24.00	-1.60	-2.10		Pass
HT20	MCS0	1	36	5180	0.26	0.26	15.76	15.81		24.00	24.00	-1.60	-2.10		Pass
HT20	MCS0	1	44	5220	0.26	0.26	15.71	15.61		24.00	24.00	-1.60	-2.10		Pass
HT20	MCS0	1	48	5240	0.26	0.26	15.69	15.72		24.00	24.00	-1.60	-2.10		Pass
HT40	MCS0	1	38	5190	0.14	0.14	10.83	10.73		24.00	24.00	-1.60	-2.10		Pass
HT40	MCS0	1	46	5230	0.14	0.14	15.68	15.52		24.00	24.00	-1.60	-2.10		Pass
VHT20	MCS0	1	36	5180	0.26	0.26	15.71	15.66		24.00	24.00	-1.60	-2.10		Pass
VHT20	MCS0	1	44	5220	0.26	0.26	15.58	15.51		24.00	24.00	-1.60	-2.10		Pass
VHT20	MCS0	1	48	5240	0.26	0.26	15.56	15.56		24.00	24.00	-1.60	-2.10		Pass
VHT40	MCS0	1	38	5190	0.09	0.14	10.73	10.72		24.00	24.00	-1.60	-2.10		Pass
VHT40	MCS0	1	46	5230	0.09	0.14	15.56	15.51		24.00	24.00	-1.60	-2.10		Pass
VHT80	MCS0	1	42	5210	0.22	0.22	15.92	15.52		24.00	24.00	-1.60	-2.10		Pass
HT20	MCS8	2	36	5180	0.46	0.42	15.99	15.72	18.87	24.00		-1.60			Pass
HT20	MCS8	2	44	5220	0.46	0.42	15.81	15.62	18.73	24.00		-1.60			Pass
HT20	MCS8	2	48	5240	0.46	0.42	15.76	15.69	18.74	24.00		-1.60			Pass
HT40	MCS8	2	38	5190	0.21	0.21	11.26	11.11	14.19	24.00		-1.60			Pass
HT40	MCS8	2	46	5230	0.21	0.21	16.31	15.16	18.78	24.00		-1.60			Pass
VHT20	MCS0	2	36	5180	0.41	0.41	15.81	15.66	18.75	24.00		-1.60			Pass
VHT20	MCS0	2	44	5220	0.41	0.41	15.71	15.56	18.65	24.00		-1.60			Pass
VHT20	MCS0	2	48	5240	0.41	0.41	15.62	15.56	18.60	24.00		-1.60			Pass
VHT40	MCS0	2	38	5190	0.20	0.25	11.00	11.25	14.14	24.00		-1.60			Pass
VHT40	MCS0	2	46	5230	0.20	0.25	16.10	15.15	18.67	24.00		-1.60			Pass
VHT80	MCS0	2	42	5210	0.39	0.39	16.24	15.64	18.96	24.00		-1.60			Pass

Report Number : FR6N2506E

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	0.20	0.25	4.71	4.34		11.00	11.00	-1.60	-2.10		Pass
11a	6Mbps	1	44	5220	0.20	0.25	4.81	4.94		11.00	11.00	-1.60	-2.10		Pass
11a	6Mbps	1	48	5240	0.20	0.25	4.96	4.55		11.00	11.00	-1.60	-2.10		Pass
HT20	MCS8	2	36	5180	0.46	0.42			5.84	11.00		-1.60			Pass
HT20	MCS8	2	44	5220	0.46	0.42			5.82	11.00		-1.60			Pass
HT20	MCS8	2	48	5240	0.46	0.42			5.82	11.00		-1.60			Pass
HT40	MCS8	2	38	5190	0.21	0.21			0.19	11.00		-1.60			Pass
HT40	MCS8	2	46	5230	0.21	0.21			2.73	11.00		-1.60			Pass
VHT80	MCS0	2	42	5210	0.39	0.39			0.89	11.00		-1.60			Pass

Report Number : FR6N2506E

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	18.15	18.80	26.20	31.30	23.59	23.74	29.59	29.74	23.98	23.98	
11a	6Mbps	1	60	5300	18.30	18.35	27.80	30.90	23.62	23.64	29.62	29.64	23.98	23.98	
11a	6Mbps	1	64	5320	18.20	18.20	27.20	25.90	23.60	23.60	29.60	29.60	23.98	23.98	
HT20	MCS8	2	52	5260	19.35	19.65	41.12	44.00	23.87		29.87		23.98		
HT20	MCS8	2	60	5300	19.10	20.45	41.12	49.92	23.81		29.81		23.98		
HT20	MCS8	2	64	5320	19.25	19.85	43.52	45.28	23.84		29.84		23.98		
HT40	MCS8	2	54	5270	37.20	37.80	81.60	86.72	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	37.20	38.10	63.68	86.24	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.20	76.20	151.20	146.88	23.98		30.00		23.98		

Report Number : FR6N2506E

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.20	0.25	15.88	15.50		23.98	23.98	-1.80	-2.20	26.99	Pass
11a	6Mbps	1	60	5300	0.20	0.25	15.85	15.57		23.98	23.98	-1.80	-2.20	26.99	Pass
11a	6Mbps	1	64	5320	0.20	0.25	15.94	15.60		23.98	23.98	-1.80	-2.20	26.99	Pass
HT20	MCS0	1	52	5260	0.26	0.26	15.70	15.61		23.98	23.98	-1.80	-2.20	26.99	Pass
HT20	MCS0	1	60	5300	0.26	0.26	15.67	15.59		23.98	23.98	-1.80	-2.20	26.99	Pass
HT20	MCS0	1	64	5320	0.26	0.26	15.71	15.71		23.98	23.98	-1.80	-2.20	26.99	Pass
HT40	MCS0	1	54	5270	0.14	0.14	15.69	15.53		23.98	23.98	-1.80	-2.20	26.99	Pass
HT40	MCS0	1	62	5310	0.14	0.14	14.72	14.62		23.98	23.98	-1.80	-2.20	26.99	Pass
VHT20	MCS0	1	52	5260	0.26	0.26	15.60	15.51		23.98	23.98	-1.80	-2.20	26.99	Pass
VHT20	MCS0	1	60	5300	0.26	0.26	15.57	15.52		23.98	23.98	-1.80	-2.20	26.99	Pass
VHT20	MCS0	1	64	5320	0.26	0.26	15.67	15.61		23.98	23.98	-1.80	-2.20	26.99	Pass
VHT40	MCS0	1	54	5270	0.09	0.14	15.57	15.51		23.98	23.98	-1.80	-2.20	26.99	Pass
VHT40	MCS0	1	62	5310	0.09	0.14	14.58	14.53		23.98	23.98	-1.80	-2.20	26.99	Pass
VHT80	MCS0	1	58	5290	0.22	0.22	15.87	15.50		23.98	23.98	-1.80	-2.20	26.99	Pass
HT20	MCS8	2	52	5260	0.46	0.42	15.61	15.88	18.76	23.98		-1.80		26.99	Pass
HT20	MCS8	2	60	5300	0.46	0.42	15.66	15.86	18.77	23.98		-1.80		26.99	Pass
HT20	MCS8	2	64	5320	0.46	0.42	15.68	15.92	18.81	23.98		-1.80		26.99	Pass
HT40	MCS8	2	54	5270	0.21	0.21	16.41	15.21	18.86	23.98		-1.80		26.99	Pass
HT40	MCS8	2	62	5310	0.21	0.21	15.13	14.73	17.94	23.98		-1.80		26.99	Pass
VHT20	MCS0	2	52	5260	0.41	0.41	15.41	15.76	18.60	23.98		-1.80		26.99	Pass
VHT20	MCS0	2	60	5300	0.41	0.41	15.46	15.71	18.60	23.98		-1.80		26.99	Pass
VHT20	MCS0	2	64	5320	0.41	0.41	15.51	15.83	18.69	23.98		-1.80		26.99	Pass
VHT40	MCS0	2	54	5270	0.20	0.25	16.15	15.16	18.70	23.98		-1.80		26.99	Pass
VHT40	MCS0	2	62	5310	0.20	0.25	15.17	14.17	17.71	23.98		-1.80		26.99	Pass
VHT80	MCS0	2	58	5290	0.39	0.39	16.19	15.61	18.92	23.98		-1.80		26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.20	0.25	5.19	4.64		11.00	11.00	-1.80	-2.20		Pass
11a	6Mbps	1	60	5300	0.20	0.25	4.71	4.40		11.00	11.00	-1.80	-2.20		Pass
11a	6Mbps	1	64	5320	0.20	0.25	4.99	4.60		11.00	11.00	-1.80	-2.20		Pass
HT20	MCS8	2	52	5260	0.46	0.42			6.48	11.00		-1.80			Pass
HT20	MCS8	2	60	5300	0.46	0.42			6.31	11.00		-1.80			Pass
HT20	MCS8	2	64	5320	0.46	0.42			6.43	11.00		-1.80			Pass
HT40	MCS8	2	54	5270	0.21	0.21			3.27	11.00		-1.80			Pass
HT40	MCS8	2	62	5310	0.21	0.21			2.91	11.00		-1.80			Pass
VHT80	MCS0	2	58	5290	0.39	0.39			0.95	11.00		-1.80			Pass

Report Number : FR6N2506E

TEST RESULTS DATA
26dB and 99% OBW

Band III															
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	100	5500	18.20	18.35	30.60	26.00	23.60	23.64	29.60	29.64	23.98	23.98	
11a	6Mbps	1	116	5580	18.40	18.30	26.30	26.10	23.65	23.62	29.65	29.62	23.98	23.98	
11a	6Mbps	1	140	5700	18.15	18.35	27.10	26.10	23.59	23.64	29.59	29.64	23.98	23.98	
HT20	MCS8	2	100	5500	19.40	19.25	41.44	39.36	23.84		29.84		23.98		
HT20	MCS8	2	116	5580	19.25	19.20	42.24	43.20	23.83		29.83		23.98		
HT20	MCS8	2	140	5700	19.80	19.20	40.64	43.84	23.83		29.83		23.98		
HT40	MCS8	2	102	5510	37.10	37.20	60.96	61.28	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	37.50	39.90	82.24	89.60	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	37.20	37.80	83.52	89.60	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	76.08	76.08	82.08	98.56	23.98		30.00		23.98		

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TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.20	0.25	15.90	15.98		23.98	23.98	-1.30	-1.90	26.99	Pass
11a	6Mbps	1	116	5580	0.20	0.25	15.61	15.95		23.98	23.98	-1.30	-1.90	26.99	Pass
11a	6Mbps	1	140	5700	0.20	0.25	15.76	15.97		23.98	23.98	-1.30	-1.90	26.99	Pass
HT20	MCS0	1	100	5500	0.26	0.26	15.75	15.70		23.98	23.98	-1.30	-1.90	26.99	Pass
HT20	MCS0	1	116	5580	0.26	0.26	15.66	15.61		23.98	23.98	-1.30	-1.90	26.99	Pass
HT20	MCS0	1	140	5700	0.26	0.26	15.70	15.64		23.98	23.98	-1.30	-1.90	26.99	Pass
HT40	MCS0	1	102	5510	0.14	0.14	13.88	13.62		23.98	23.98	-1.30	-1.90	26.99	Pass
HT40	MCS0	1	110	5550	0.14	0.14	15.83	15.58		23.98	23.98	-1.30	-1.90	26.99	Pass
HT40	MCS0	1	134	5670	0.14	0.14	15.86	15.60		23.98	23.98	-1.30	-1.90	26.99	Pass
VHT20	MCS0	1	100	5500	0.26	0.26	15.67	15.61		23.98	23.98	-1.30	-1.90	26.99	Pass
VHT20	MCS0	1	116	5580	0.26	0.26	15.59	15.51		23.98	23.98	-1.30	-1.90	26.99	Pass
VHT20	MCS0	1	140	5700	0.26	0.26	15.66	15.54		23.98	23.98	-1.30	-1.90	26.99	Pass
VHT40	MCS0	1	102	5510	0.09	0.14	13.69	13.59		23.98	23.98	-1.30	-1.90	26.99	Pass
VHT40	MCS0	1	110	5550	0.09	0.14	15.64	15.57		23.98	23.98	-1.30	-1.90	26.99	Pass
VHT40	MCS0	1	134	5670	0.09	0.14	15.67	15.58		23.98	23.98	-1.30	-1.90	26.99	Pass
VHT80	MCS0	1	106	5530	0.22	0.22	11.90	11.64		23.98	23.98	-1.30	-1.90	26.99	Pass
HT20	MCS8	2	100	5500	0.46	0.42	16.01	15.52	18.78	23.98		-1.30		26.99	Pass
HT20	MCS8	2	116	5580	0.46	0.42	15.90	15.42	18.68	23.98		-1.30		26.99	Pass
HT20	MCS8	2	140	5700	0.46	0.42	15.96	15.47	18.73	23.98		-1.30		26.99	Pass
HT40	MCS8	2	102	5510	0.21	0.21	14.06	13.96	17.02	23.98		-1.30		26.99	Pass
HT40	MCS8	2	110	5550	0.21	0.21	16.16	15.59	18.89	23.98		-1.30		26.99	Pass
HT40	MCS8	2	134	5670	0.21	0.21	16.21	15.56	18.90	23.98		-1.30		26.99	Pass
VHT20	MCS0	2	100	5500	0.41	0.41	15.81	15.51	18.68	23.98		-1.30		26.99	Pass
VHT20	MCS0	2	116	5580	0.41	0.41	15.66	15.41	18.55	23.98		-1.30		26.99	Pass
VHT20	MCS0	2	140	5700	0.41	0.41	15.85	15.46	18.67	23.98		-1.30		26.99	Pass
VHT40	MCS0	2	102	5510	0.20	0.25	14.05	13.45	16.77	23.98		-1.30		26.99	Pass
VHT40	MCS0	2	110	5550	0.20	0.25	15.90	15.44	18.69	23.98		-1.30		26.99	Pass
VHT40	MCS0	2	134	5670	0.20	0.25	16.01	15.43	18.74	23.98		-1.30		26.99	Pass
VHT80	MCS0	2	106	5530	0.39	0.39	12.01	12.09	15.06	23.98		-1.30		26.99	Pass

Report Number : FR6N2506E

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.20	0.25	5.46	4.97		11.00	11.00	-1.30	-1.90		Pass
11a	6Mbps	1	116	5580	0.20	0.25	5.54	4.96		11.00	11.00	-1.30	-1.90		Pass
11a	6Mbps	1	140	5700	0.20	0.25	4.33	3.84		11.00	11.00	-1.30	-1.90		Pass
HT20	MCS8	2	100	5500	0.46	0.42			6.40	11.00		-1.30			Pass
HT20	MCS8	2	116	5580	0.46	0.42			6.28	11.00		-1.30			Pass
HT20	MCS8	2	140	5700	0.46	0.42			5.42	11.00		-1.30			Pass
HT40	MCS8	2	102	5510	0.21	0.21			3.43	11.00		-1.30			Pass
HT40	MCS8	2	110	5550	0.21	0.21			4.11	11.00		-1.30			Pass
HT40	MCS8	2	134	5670	0.21	0.21			2.54	11.00		-1.30			Pass
VHT80	MCS0	2	106	5530	0.39	0.39			-1.21	11.00		-1.30			Pass

Report Number : FR6N2506E

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (˚C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	3.85	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	3.85	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	20	4.4	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.6	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.85	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (˚C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	50	3.85	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	-30	3.85	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	4.4	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	3.6	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.85	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (˚C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	50	3.85	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-30	3.85	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	4.4	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	3.6	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	3.85	

Appendix B. Radiated Spurious Emission

Test Engineer :	J.C. Liang, Jacky Hung, and Ken Wu	Temperature :	20~23°C
		Relative Humidity :	58~63%

Band 1 - 5150~5250MHz

WIFI 802.11a (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5083.46	50.97	-23.03	74	40.68	32.12	11.21	33.04	262	0	P	H
		5149.24	43.57	-10.43	54	33.21	32.21	11.18	33.03	262	0	A	H
	*	5180	98.56	-	-	88.15	32.26	11.18	33.03	262	0	P	H
	*	5180	90.22	-	-	79.81	32.26	11.18	33.03	262	0	A	H
													H
													H
		5147.42	56.44	-17.56	74	46.08	32.21	11.18	33.03	103	156	P	V
		5149.76	44.91	-9.09	54	34.55	32.21	11.18	33.03	103	156	A	V
	*	5180	100.24	-	-	89.83	32.26	11.18	33.03	103	156	P	V
	*	5180	91.88	-	-	81.47	32.26	11.18	33.03	103	156	A	V
													V
													V
802.11a CH 44 5220MHz		5125.06	50.18	-23.82	74	39.83	32.19	11.19	33.03	100	32	P	H
		5148.46	42.32	-11.68	54	31.96	32.21	11.18	33.03	100	32	A	H
	*	5220	98.71	-	-	88.27	32.3	11.17	33.03	100	32	P	H
	*	5220	90.11	-	-	79.67	32.3	11.17	33.03	100	32	A	H
		5414.88	49.57	-24.43	74	38.7	32.58	11.31	33.02	100	32	P	H
		5434.08	41.49	-12.51	54	30.56	32.61	11.34	33.02	100	32	A	H
		5067.34	51.02	-22.98	74	40.76	32.09	11.21	33.04	100	156	P	V
		5150	42.86	-11.14	54	32.5	32.21	11.18	33.03	100	156	A	V
	*	5220	99.64	-	-	89.2	32.3	11.17	33.03	100	156	P	V
	*	5220	91.34	-	-	80.9	32.3	11.17	33.03	100	156	A	V
		5383.2	50.4	-23.6	74	39.57	32.54	11.31	33.02	100	156	P	V
		5445.12	41.63	-12.37	54	30.7	32.61	11.34	33.02	100	156	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		5148.72	51.69	-22.31	74	41.33	32.21	11.18	33.03	273	353	P	H
		5064.48	42.45	-11.55	54	32.19	32.09	11.21	33.04	273	353	A	H
	*	5240	98.82	-	-	88.33	32.33	11.19	33.03	273	353	P	H
	*	5240	91.83	-	-	81.34	32.33	11.19	33.03	273	353	A	H
		5431.68	49.97	-24.03	74	39.04	32.61	11.34	33.02	273	353	P	H
		5452.8	41.79	-12.21	54	30.84	32.63	11.34	33.02	273	353	A	H
		5118.3	50.42	-23.58	74	40.1	32.16	11.19	33.03	317	156	P	V
		5029.38	42.47	-11.53	54	32.24	32.05	11.22	33.04	317	156	A	V
	*	5240	97.25	-	-	86.76	32.33	11.19	33.03	317	156	P	V
	*	5240	90.03	-	-	79.54	32.33	11.19	33.03	317	156	A	V
		5434.56	50.32	-23.68	74	39.39	32.61	11.34	33.02	317	156	P	V
		5457.36	41.6	-12.4	54	30.65	32.63	11.34	33.02	317	156	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	39.61	-34.39	74	35.83	39.84	15.02	51.08	100	0	P	H
		15540	39.47	-34.53	74	34.9	38.21	18.16	51.8	100	0	P	H
													H
													H
		10360	39.66	-34.34	74	35.88	39.84	15.02	51.08	100	0	P	V
		15540	39.2	-34.8	74	34.63	38.21	18.16	51.8	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	39.68	-34.32	74	35.84	39.92	15.08	51.16	100	0	P	H
		15660	39.9	-34.1	74	35.24	38.23	18.23	51.8	100	0	P	H
													H
													H
		10440	40.45	-33.55	74	36.61	39.92	15.08	51.16	100	0	P	V
		15660	39.23	-34.77	74	34.57	38.23	18.23	51.8	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	39.97	-34.03	74	36.08	39.98	15.11	51.2	100	0	P	H
		15720	39.63	-34.37	74	34.91	38.24	18.28	51.8	100	0	P	H
													H
													H
		10480	39.93	-34.07	74	36.04	39.98	15.11	51.2	100	0	P	V
		15720	40.09	-33.91	74	35.37	38.24	18.28	51.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5055.64	51.51	-22.49	74	41.24	32.09	11.22	33.04	269	356	P	H
		5036.66	42.39	-11.61	54	32.16	32.05	11.22	33.04	269	356	A	H
	*	5260	98.37	-	-	87.84	32.37	11.19	33.03	269	356	P	H
	*	5260	91.15	-	-	80.62	32.37	11.19	33.03	269	356	A	H
		5439.36	49.7	-24.3	74	38.77	32.61	11.34	33.02	269	356	P	H
		5444.88	41.61	-12.39	54	30.68	32.61	11.34	33.02	269	356	A	H
		5132.86	50.79	-23.21	74	40.44	32.19	11.19	33.03	310	146	P	V
		5043.16	42.41	-11.59	54	32.16	32.07	11.22	33.04	310	146	A	V
	*	5260	98.16	-	-	87.63	32.37	11.19	33.03	310	146	P	V
	*	5260	91.12	-	-	80.59	32.37	11.19	33.03	310	146	A	V
		5458.32	50.53	-23.47	74	39.58	32.63	11.34	33.02	310	146	P	V
		5448.48	41.58	-12.42	54	30.63	32.63	11.34	33.02	310	146	A	V
802.11a CH 60 5300MHz		5073.58	50.37	-23.63	74	40.08	32.12	11.21	33.04	252	355	P	H
		5024.44	42.52	-11.48	54	32.29	32.05	11.22	33.04	252	355	A	H
	*	5300	99.62	-	-	89.01	32.42	11.22	33.03	252	355	P	H
	*	5300	92.38	-	-	81.77	32.42	11.22	33.03	252	355	A	H
		5389.68	52.11	-21.89	74	41.28	32.54	11.31	33.02	252	355	P	H
		5351.04	42.13	-11.87	54	31.39	32.49	11.28	33.03	252	355	A	H
		5090.48	51.05	-22.95	74	40.74	32.14	11.21	33.04	276	143	P	V
		5085.02	42.72	-11.28	54	32.43	32.12	11.21	33.04	276	143	A	V
	*	5300	98.37	-	-	87.76	32.42	11.22	33.03	276	143	P	V
	*	5300	90.65	-	-	80.04	32.42	11.22	33.03	276	143	A	V
		5443.2	50.81	-23.19	74	39.88	32.61	11.34	33.02	276	143	P	V
		5351.28	41.72	-12.28	54	30.98	32.49	11.28	33.03	276	143	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz	*	5320	98.9	-	-	88.24	32.44	11.25	33.03	210	176	P	H
	*	5320	91.78	-	-	81.12	32.44	11.25	33.03	210	176	A	H
		5450.72	51.16	-22.84	74	40.21	32.63	11.34	33.02	210	176	P	H
		5351.84	42.8	-11.2	54	32.06	32.49	11.28	33.03	210	176	A	H
													H
													H
	*	5320	97.22	-	-	86.56	32.44	11.25	33.03	314	3	P	V
	*	5320	90.01	-	-	79.35	32.44	11.25	33.03	314	3	A	V
		5415.2	50.76	-23.24	74	39.89	32.58	11.31	33.02	314	3	P	V
		5350.24	42.01	-11.99	54	31.27	32.49	11.28	33.03	314	3	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	40.04	-33.96	74	36.16	39.99	15.13	51.24	100	0	P	H
		15780	39.41	-34.59	74	34.65	38.26	18.3	51.8	100	0	P	H
													H
													H
		10520	39.24	-34.76	74	35.36	39.99	15.13	51.24	100	0	P	V
		15780	39.11	-34.89	74	34.35	38.26	18.3	51.8	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	39.31	-34.69	74	35.41	39.92	15.19	51.21	100	0	P	H
		15900	38.79	-35.21	74	33.94	38.28	18.37	51.8	100	0	P	H
													H
													H
		10600	39	-35	74	35.1	39.92	15.19	51.21	100	0	P	V
		15900	39.51	-34.49	74	34.66	38.28	18.37	51.8	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	38.55	-35.45	74	34.63	39.89	15.22	51.19	100	0	P	H
		15960	39.87	-34.13	74	34.96	38.29	18.42	51.8	100	0	P	H
													H
													H
		10640	39.3	-34.7	74	35.38	39.89	15.22	51.19	100	0	P	V
		15960	40.14	-33.86	74	35.23	38.29	18.42	51.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5467.28	53.65	-20.35	74	42.64	32.65	11.38	33.02	262	352	P	H
		5469.52	44.44	-9.56	54	33.43	32.65	11.38	33.02	262	352	A	H
	*	5500	101.01	-	-	89.95	32.7	11.38	33.02	262	352	P	H
	*	5500	93.6	-	-	82.54	32.7	11.38	33.02	262	352	A	H
													H
													H
		5465.36	52.34	-21.66	74	41.33	32.65	11.38	33.02	308	5	P	V
		5468.88	43.46	-10.54	54	32.45	32.65	11.38	33.02	308	5	A	V
	*	5500	99	-	-	87.94	32.7	11.38	33.02	308	5	P	V
	*	5500	91.75	-	-	80.69	32.7	11.38	33.02	308	5	A	V
													V
													V
802.11a CH 116 5580MHz		5456.08	50.05	-23.95	74	39.1	32.63	11.34	33.02	174	71	P	H
		5463.28	41.83	-12.17	54	30.82	32.65	11.38	33.02	174	71	A	H
	*	5580	105.61	-	-	94.44	32.8	11.44	33.07	174	71	P	H
	*	5580	98.44	-	-	87.27	32.8	11.44	33.07	174	71	A	H
		5749.6	51.56	-22.44	74	40.21	33.04	11.46	33.15	174	71	P	H
		5738.925	42.29	-11.71	54	30.94	33.04	11.46	33.15	174	71	A	H
		5450.8	49.96	-24.04	74	39.01	32.63	11.34	33.02	234	352	P	V
		5465.68	41.92	-12.08	54	30.91	32.65	11.38	33.02	234	352	A	V
	*	5580	100.95	-	-	89.78	32.8	11.44	33.07	234	352	P	V
	*	5580	93.73	-	-	82.56	32.8	11.44	33.07	234	352	A	V
		5758	49.88	-24.12	74	38.52	33.06	11.46	33.16	234	352	P	V
		5762.375	42.18	-11.82	54	30.82	33.06	11.46	33.16	234	352	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz	*	5700	105.52	-	-	94.2	32.97	11.47	33.12	150	21	P	H
	*	5700	98.57	-	-	87.25	32.97	11.47	33.12	150	21	A	H
		5728.84	59.93	-14.07	74	48.59	33.01	11.46	33.13	150	21	P	H
		5725.88	50.99	-3.01	54	39.65	33.01	11.46	33.13	150	21	A	H
													H
													H
	*	5700	99.5	-	-	88.18	32.97	11.47	33.12	365	26	P	V
	*	5700	92.31	-	-	80.99	32.97	11.47	33.12	365	26	A	V
		5725.16	58.5	-15.5	74	47.16	33.01	11.46	33.13	365	26	P	V
		5725.08	45.52	-8.48	54	34.18	33.01	11.46	33.13	365	26	A	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	40.91	-33.09	74	36.85	39.6	15.49	51.03	100	0	P	H
		16500	41.97	-32.03	74	35.37	39.2	19.27	51.87	100	0	P	H
													H
													H
		11000	40.85	-33.15	74	36.79	39.6	15.49	51.03	100	0	P	V
		16500	42.78	-31.22	74	36.18	39.2	19.27	51.87	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	41.8	-32.2	74	37.85	39.43	15.61	51.09	100	0	P	H
		16740	41.96	-32.04	74	33.64	40.55	19.68	51.91	100	0	P	H
													H
													H
		11160	41.04	-32.96	74	37.09	39.43	15.61	51.09	100	0	P	V
		16740	43.45	-30.55	74	35.13	40.55	19.68	51.91	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	41.15	-32.85	74	37.35	39.2	15.79	51.19	100	0	P	H
		17100	46.5	-27.5	74	35.81	42.36	20.3	51.97	100	0	P	H
													H
													H
		11400	40.38	-33.62	74	36.58	39.2	15.79	51.19	100	0	P	V
		17100	46.19	-27.81	74	35.5	42.36	20.3	51.97	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 802.11a (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		86.16	25.39	-14.61	40	41.94	14.42	1.51	32.48	-	-	P	H
		98.31	23.4	-20.1	43.5	38.51	15.86	1.51	32.48	-	-	P	H
		190.11	22.74	-20.76	43.5	38.19	15.3	2.1	32.85	-	-	P	H
		691.3	28.19	-17.81	46	30.11	26.61	3.94	32.47	-	-	P	H
		904.1	33.13	-12.87	46	30.81	29.31	4.63	31.62	-	-	P	H
		913.2	33.31	-12.69	46	30.64	29.58	4.63	31.54	233	156	P	H
													H
													H
													H
													H
													H
													H
		36.21	30.46	-9.54	40	39.12	22.54	1.29	32.49	211	314	P	V
		81.03	24.22	-15.78	40	41.37	13.82	1.51	32.48	-	-	P	V
		121.53	22.67	-20.83	43.5	35.73	17.73	1.78	32.57	-	-	P	V
		489	26.3	-19.7	46	31.47	23.92	3.28	32.37	-	-	P	V
		789.3	30.58	-15.42	46	30.36	28.17	4.26	32.21	-	-	P	V
		957.3	33.64	-12.36	46	29.51	30.58	4.69	31.14	-	-	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	Cable	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. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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) + Cable 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”.

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5142.74	52.94	-21.06	74	42.58	32.21	11.18	33.03	200	91	P	H
		5150	44.18	-9.82	54	33.82	32.21	11.18	33.03	200	91	A	H
	*	5180	99.05	-	-	88.64	32.26	11.18	33.03	200	91	P	H
	*	5180	90.68	-	-	80.27	32.26	11.18	33.03	200	91	A	H
													H
													H
		5146.38	50.8	-23.2	74	40.44	32.21	11.18	33.03	324	352	P	V
		5149.24	43.68	-10.32	54	33.32	32.21	11.18	33.03	324	352	A	V
	*	5180	95.82	-	-	85.41	32.26	11.18	33.03	324	352	P	V
	*	5180	87.8	-	-	77.39	32.26	11.18	33.03	324	352	A	V
													V
													V
802.11a CH 44 5220MHz		5137.8	50.79	-23.21	74	40.44	32.19	11.19	33.03	216	78	P	H
		5148.98	42.72	-11.28	54	32.36	32.21	11.18	33.03	216	78	A	H
	*	5220	100.59	-	-	90.15	32.3	11.17	33.03	216	78	P	H
	*	5220	91.58	-	-	81.14	32.3	11.17	33.03	216	78	A	H
		5447.28	50.13	-23.87	74	39.18	32.63	11.34	33.02	216	78	P	H
		5430.72	41.97	-12.03	54	31.04	32.61	11.34	33.02	216	78	A	H
		5005.2	51.3	-22.7	74	41.08	32.02	11.24	33.04	233	350	P	V
		5086.32	42.34	-11.66	54	32.05	32.12	11.21	33.04	233	350	A	V
	*	5220	95.51	-	-	85.07	32.3	11.17	33.03	233	350	P	V
	*	5220	87.2	-	-	76.76	32.3	11.17	33.03	233	350	A	V
		5380.32	50.93	-23.07	74	40.1	32.54	11.31	33.02	233	350	P	V
		5444.16	41.6	-12.4	54	30.67	32.61	11.34	33.02	233	350	A	V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		5043.16	50.67	-23.33	74	40.42	32.07	11.22	33.04	214	91	P	H
		5082.68	42.52	-11.48	54	32.23	32.12	11.21	33.04	214	91	A	H
	*	5240	98.9	-	-	88.41	32.33	11.19	33.03	214	91	P	H
	*	5240	90.52	-	-	80.03	32.33	11.19	33.03	214	91	A	H
		5446.08	49.83	-24.17	74	38.88	32.63	11.34	33.02	214	91	P	H
		5451.36	41.94	-12.06	54	30.99	32.63	11.34	33.02	214	91	A	H
		5028.08	51.3	-22.7	74	41.07	32.05	11.22	33.04	331	352	P	V
		5050.7	42.32	-11.68	54	32.07	32.07	11.22	33.04	331	352	A	V
	*	5240	95.46	-	-	84.97	32.33	11.19	33.03	331	352	P	V
	*	5240	87.07	-	-	76.58	32.33	11.19	33.03	331	352	A	V
		5459.28	51.01	-22.99	74	40.06	32.63	11.34	33.02	331	352	P	V
		5451.6	41.55	-12.45	54	30.6	32.63	11.34	33.02	331	352	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	40.78	-33.22	74	37	39.84	15.02	51.08	100	0	P	H
		15540	50.6	-23.4	74	46.03	38.21	18.16	51.8	100	0	P	H
													H
													H
		10360	41.94	-32.06	74	38.16	39.84	15.02	51.08	100	0	P	V
		15540	50.56	-23.44	74	45.99	38.21	18.16	51.8	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	39.72	-34.28	74	35.88	39.92	15.08	51.16	100	0	P	H
		15660	50.75	-23.25	74	46.09	38.23	18.23	51.8	100	0	P	H
													H
													H
		10440	41.5	-32.5	74	37.66	39.92	15.08	51.16	100	0	P	V
		15660	50.32	-23.68	74	45.66	38.23	18.23	51.8	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	41.25	-32.75	74	37.36	39.98	15.11	51.2	100	0	P	H
		15720	50.89	-23.11	74	46.17	38.24	18.28	51.8	100	0	P	H
													H
													H
		10480	40.29	-33.71	74	36.4	39.98	15.11	51.2	100	0	P	V
		15720	50.94	-23.06	74	46.22	38.24	18.28	51.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5047.58	50.83	-23.17	74	40.58	32.07	11.22	33.04	211	76	P	H
		5023.4	42.38	-11.62	54	32.15	32.05	11.22	33.04	211	76	A	H
	*	5260	100.04	-	-	89.51	32.37	11.19	33.03	211	76	P	H
	*	5260	91.71	-	-	81.18	32.37	11.19	33.03	211	76	A	H
		5387.76	49.78	-24.22	74	38.95	32.54	11.31	33.02	211	76	P	H
		5459.04	41.55	-12.45	54	30.6	32.63	11.34	33.02	211	76	A	H
		5060.58	51.29	-22.71	74	41.03	32.09	11.21	33.04	214	353	P	V
		5090.74	42.33	-11.67	54	32.02	32.14	11.21	33.04	214	353	A	V
	*	5260	94.63	-	-	84.1	32.37	11.19	33.03	214	353	P	V
	*	5260	86.95	-	-	76.42	32.37	11.19	33.03	214	353	A	V
		5453.52	50.13	-23.87	74	39.18	32.63	11.34	33.02	214	353	P	V
		5457.36	41.64	-12.36	54	30.69	32.63	11.34	33.02	214	353	A	V
802.11a CH 60 5300MHz		5056.16	50.74	-23.26	74	40.47	32.09	11.22	33.04	213	63	P	H
		5085.8	42.58	-11.42	54	32.29	32.12	11.21	33.04	213	63	A	H
	*	5300	100.66	-	-	90.05	32.42	11.22	33.03	213	63	P	H
	*	5300	92.02	-	-	81.41	32.42	11.22	33.03	213	63	A	H
		5359.68	52.35	-21.65	74	41.61	32.49	11.28	33.03	213	63	P	H
		5350.32	43.71	-10.29	54	32.97	32.49	11.28	33.03	213	63	A	H
		5065.78	51.2	-22.8	74	40.94	32.09	11.21	33.04	217	351	P	V
		5075.4	42.35	-11.65	54	32.06	32.12	11.21	33.04	217	351	A	V
	*	5300	95.76	-	-	85.15	32.42	11.22	33.03	217	351	P	V
	*	5300	87.25	-	-	76.64	32.42	11.22	33.03	217	351	A	V
		5439.12	50.85	-23.15	74	39.92	32.61	11.34	33.02	217	351	P	V
		5459.28	41.6	-12.4	54	30.65	32.63	11.34	33.02	217	351	A	V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz	*	5320	100.92	-	-	90.26	32.44	11.25	33.03	202	61	P	H
	*	5320	92.37	-	-	81.71	32.44	11.25	33.03	202	61	A	H
		5352	56.3	-17.7	74	45.56	32.49	11.28	33.03	202	61	P	H
		5353.92	47	-7	54	36.26	32.49	11.28	33.03	202	61	A	H
													H
													H
	*	5320	95.19	-	-	84.53	32.44	11.25	33.03	226	351	P	V
	*	5320	86.82	-	-	76.16	32.44	11.25	33.03	226	351	A	V
		5365.28	51.89	-22.11	74	41.13	32.51	11.28	33.03	226	351	P	V
		5350.56	42.88	-11.12	54	32.14	32.49	11.28	33.03	226	351	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	41.56	-32.44	74	37.68	39.99	15.13	51.24	100	0	P	H
		15780	49.64	-24.36	74	44.88	38.26	18.3	51.8	100	0	P	H
													H
													H
		10520	41.54	-32.46	74	37.66	39.99	15.13	51.24	100	0	P	V
		15780	47.66	-26.34	74	42.9	38.26	18.3	51.8	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	40.42	-33.58	74	36.52	39.92	15.19	51.21	100	0	P	H
		15900	49.34	-24.66	74	44.49	38.28	18.37	51.8	100	0	P	H
													H
													H
		10600	40.72	-33.28	74	36.82	39.92	15.19	51.21	100	0	P	V
		15900	48	-26	74	43.15	38.28	18.37	51.8	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	38.96	-35.04	74	35.04	39.89	15.22	51.19	100	0	P	H
		15960	49.32	-24.68	74	44.41	38.29	18.42	51.8	100	0	P	H
													H
													H
		10640	39.46	-34.54	74	35.54	39.89	15.22	51.19	100	0	P	V
		15960	47.69	-26.31	74	42.78	38.29	18.42	51.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.76	56.3	-17.7	74	45.35	32.63	11.34	33.02	200	64	P	H
		5467.28	58.89	-9.31	68.2	47.88	32.65	11.38	33.02	200	64	P	H
		5458.96	47.37	-6.63	54	36.42	32.63	11.34	33.02	200	64	A	H
	*	5500	103.45	-	-	92.39	32.7	11.38	33.02	200	64	P	H
	*	5500	95.42	-	-	84.36	32.7	11.38	33.02	200	64	A	H
													H
		5459.12	52.12	-21.88	74	41.17	32.63	11.34	33.02	236	360	P	V
		5465.52	54.51	-13.69	68.2	43.5	32.65	11.38	33.02	236	360	P	V
		5458.8	43.53	-10.47	54	32.58	32.63	11.34	33.02	236	360	A	V
	*	5500	98.43	-	-	87.37	32.7	11.38	33.02	236	360	P	V
	*	5500	90.17	-	-	79.11	32.7	11.38	33.02	236	360	A	V
													V
802.11a CH 116 5580MHz		5438.8	51.16	-22.84	74	40.23	32.61	11.34	33.02	200	61	P	H
		5465.92	50.17	-18.03	68.2	39.16	32.65	11.38	33.02	200	61	P	H
		5455.6	41.71	-12.29	54	30.76	32.63	11.34	33.02	200	61	A	H
	*	5580	105.63	-	-	94.46	32.8	11.44	33.07	200	61	P	H
	*	5580	97.18	-	-	86.01	32.8	11.44	33.07	200	61	A	H
		5752.4	49.45	-18.75	68.2	38.08	33.06	11.46	33.15	200	61	P	H
		5388.88	49.9	-24.1	74	39.07	32.54	11.31	33.02	229	360	P	V
		5469.76	49.72	-18.48	68.2	38.71	32.65	11.38	33.02	229	360	P	V
		5457.04	41.72	-12.28	54	30.77	32.63	11.34	33.02	229	360	A	V
	*	5580	102.07	-	-	90.9	32.8	11.44	33.07	229	360	P	V
	*	5580	93.83	-	-	82.66	32.8	11.44	33.07	229	360	A	V
		5744.7	50.43	-17.77	68.2	39.08	33.04	11.46	33.15	229	360	P	V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz	*	5700	105.72	-	-	94.4	32.97	11.47	33.12	216	76	P	H
	*	5700	97.23	-	-	85.91	32.97	11.47	33.12	216	76	A	H
		5726.92	65.12	-3.08	68.2	53.78	33.01	11.46	33.13	216	76	P	H
													H
													H
													H
	*	5700	101.53	-	-	90.21	32.97	11.47	33.12	204	5	P	V
	*	5700	92.44	-	-	81.12	32.97	11.47	33.12	204	5	A	V
		5726.12	63.21	-4.99	68.2	51.87	33.01	11.46	33.13	204	5	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	41.31	-32.69	74	37.25	39.6	15.49	51.03	100	0	P	H
		16500	51.57	-16.63	68.2	44.97	39.2	19.27	51.87	100	0	P	H
													H
													H
		11000	40.79	-33.21	74	36.73	39.6	15.49	51.03	100	0	P	V
		16500	46.76	-21.44	68.2	40.16	39.2	19.27	51.87	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	42.09	-31.91	74	38.14	39.43	15.61	51.09	100	0	P	H
		16740	43.02	-25.18	68.2	34.7	40.55	19.68	51.91	100	0	P	H
													H
													H
		11160	40.74	-33.26	74	36.79	39.43	15.61	51.09	100	0	P	V
		16740	42.1	-26.1	68.2	33.78	40.55	19.68	51.91	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	40.02	-33.98	74	36.22	39.2	15.79	51.19	100	0	P	H
		17100	45.12	-23.08	68.2	34.43	42.36	20.3	51.97	100	0	P	H
													H
													H
		11400	41.3	-32.7	74	37.5	39.2	15.79	51.19	100	0	P	V
		17100	45.55	-22.65	68.2	34.86	42.36	20.3	51.97	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 802.11a (LF @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a LF		88.05	23.96	-19.54	43.5	40.27	14.66	1.51	32.48	-	-	P	H
		155.55	23.03	-20.47	43.5	36.59	17.15	2	32.71	-	-	P	H
		247.89	22.97	-23.03	46	34.75	18.52	2.34	32.64	-	-	P	H
		720	28.83	-17.17	46	30.13	27.09	4.02	32.41	-	-	P	H
		857.2	31.85	-14.15	46	30.39	28.95	4.39	31.88	-	-	P	H
		925.1	32.95	-13.05	46	29.84	29.91	4.63	31.43	311	152	P	H
													H
													H
													H
													H
													H
													H
		36.48	30.58	-9.42	40	39.8	21.98	1.29	32.49	182	274	P	V
		49.44	27.66	-12.34	40	43.53	15.33	1.29	32.49	-	-	P	V
		81.03	23.92	-16.08	40	41.07	13.82	1.51	32.48	-	-	P	V
		659.8	28.05	-17.95	46	30.42	26.3	3.8	32.47	-	-	P	V
		790	30.92	-15.08	46	30.69	28.18	4.26	32.21	-	-	P	V
		895	31.95	-14.05	46	29.9	29.17	4.57	31.69	-	-	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	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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) + Cable 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”.

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5144.82	59.05	-14.95	74	48.69	32.21	11.18	33.03	236	121	P	H
		5148.2	49.86	-4.14	54	39.5	32.21	11.18	33.03	236	121	A	H
	*	5180	102.19	-	-	91.78	32.26	11.18	33.03	236	121	P	H
	*	5180	95.5	-	-	85.09	32.26	11.18	33.03	236	121	A	H
													H
													H
		5145.86	52.87	-21.13	74	42.51	32.21	11.18	33.03	280	4	P	V
		5148.46	45.15	-8.85	54	34.79	32.21	11.18	33.03	280	4	A	V
	*	5180	99.12	-	-	88.71	32.26	11.18	33.03	280	4	P	V
	*	5180	89.79	-	-	79.38	32.26	11.18	33.03	280	4	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5109.72	51.43	-22.57	74	41.12	32.16	11.19	33.04	236	113	P	H
		5011.18	44.12	-9.88	54	33.9	32.02	11.24	33.04	236	113	A	H
	*	5220	103.96	-	-	93.52	32.3	11.17	33.03	236	113	P	H
	*	5220	95.08	-	-	84.64	32.3	11.17	33.03	236	113	A	H
		5435.76	50.07	-23.93	74	39.14	32.61	11.34	33.02	236	113	P	H
		5429.76	42.6	-11.4	54	31.67	32.61	11.34	33.02	236	113	A	H
		5053.04	50.52	-23.48	74	40.27	32.07	11.22	33.04	221	211	P	V
		5064.74	43.28	-10.72	54	33.02	32.09	11.21	33.04	221	211	A	V
	*	5220	98.84	-	-	88.4	32.3	11.17	33.03	221	211	P	V
	*	5220	91.34	-	-	80.9	32.3	11.17	33.03	221	211	A	V
		5443.68	50.62	-23.38	74	39.69	32.61	11.34	33.02	221	211	P	V
		5444.4	42.58	-11.42	54	31.65	32.61	11.34	33.02	221	211	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5020.02	51.01	-22.99	74	40.81	32.02	11.22	33.04	225	123	P	H
		5030.16	44.96	-9.04	54	34.73	32.05	11.22	33.04	225	123	A	H
	*	5240	102.81	-	-	92.32	32.33	11.19	33.03	225	123	P	H
	*	5240	94.9	-	-	84.41	32.33	11.19	33.03	225	123	A	H
		5372.64	50.28	-23.72	74	39.52	32.51	11.28	33.03	225	123	P	H
		5450.16	42.46	-11.54	54	31.51	32.63	11.34	33.02	225	123	A	H
		5013.78	51.61	-22.39	74	41.39	32.02	11.24	33.04	350	89	P	V
		5030.16	44.48	-9.52	54	34.25	32.05	11.22	33.04	350	89	A	V
	*	5240	98.87	-	-	88.38	32.33	11.19	33.03	350	89	P	V
	*	5240	90.8	-	-	80.31	32.33	11.19	33.03	350	89	A	V
		5391.36	50.33	-23.67	74	39.5	32.54	11.31	33.02	350	89	P	V
		5447.04	42.24	-11.76	54	31.29	32.63	11.34	33.02	350	89	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	41.36	-32.64	74	37.58	39.84	15.02	51.08	100	0	P	H
		15540	49.42	-24.58	74	44.85	38.21	18.16	51.8	100	0	P	H
													H
													H
		10360	40.26	-33.74	74	36.48	39.84	15.02	51.08	100	0	P	V
		15540	53.27	-20.73	74	48.7	38.21	18.16	51.8	177	359	P	V
		15540	43.73	-10.27	54	39.16	38.21	18.16	51.8	177	359	A	V
													V
802.11n HT20 CH 44 5220MHz		10440	39.33	-34.67	74	35.49	39.92	15.08	51.16	100	0	P	H
		15660	48.57	-25.43	74	43.91	38.23	18.23	51.8	100	0	P	H
													H
													H
		10440	39.3	-34.7	74	35.46	39.92	15.08	51.16	100	0	P	V
		15660	49.41	-24.59	74	44.75	38.23	18.23	51.8	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	40.51	-33.49	74	36.62	39.98	15.11	51.2	100	0	P	H
		15720	49.07	-24.93	74	44.35	38.24	18.28	51.8	100	0	P	H
													H
													H
		10480	40.93	-33.07	74	37.04	39.98	15.11	51.2	100	0	P	V
		15720	49.69	-24.31	74	44.97	38.24	18.28	51.8	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5145.34	54.72	-19.28	74	44.36	32.21	11.18	33.03	215	118	P	H
		5149.5	49.02	-4.98	54	38.66	32.21	11.18	33.03	215	118	A	H
	*	5190	95.29	-	-	84.89	32.26	11.17	33.03	215	118	P	H
	*	5190	88.42	-	-	78.02	32.26	11.17	33.03	215	118	A	H
		5436	49.78	-24.22	74	38.85	32.61	11.34	33.02	215	118	P	H
		5451.36	42.35	-11.65	54	31.4	32.63	11.34	33.02	215	118	A	H
		5144.04	52.47	-21.53	74	42.11	32.21	11.18	33.03	328	75	P	V
		5150	46.1	-7.9	54	35.74	32.21	11.18	33.03	328	75	A	V
	*	5190	91.34	-	-	80.94	32.26	11.17	33.03	328	75	P	V
	*	5190	84.19	-	-	73.79	32.26	11.17	33.03	328	75	A	V
		5419.68	49.67	-24.33	74	38.8	32.58	11.31	33.02	328	75	P	V
		5458.8	42.42	-11.58	54	31.47	32.63	11.34	33.02	328	75	A	V
802.11n HT40 CH 46 5230MHz		5149.24	54.24	-19.76	74	43.88	32.21	11.18	33.03	228	119	P	H
		5149.76	47.19	-6.81	54	36.83	32.21	11.18	33.03	228	119	A	H
	*	5230	99.85	-	-	89.36	32.33	11.19	33.03	228	119	P	H
	*	5230	92.53	-	-	82.04	32.33	11.19	33.03	228	119	A	H
		5453.04	49.91	-24.09	74	38.96	32.63	11.34	33.02	228	119	P	H
		5436.72	42.35	-11.65	54	31.42	32.61	11.34	33.02	228	119	A	H
		5148.72	52.33	-21.67	74	41.97	32.21	11.18	33.03	330	75	P	V
		5141.44	44.72	-9.28	54	34.36	32.21	11.18	33.03	330	75	A	V
	*	5230	96.11	-	-	85.62	32.33	11.19	33.03	330	75	P	V
	*	5230	88.53	-	-	78.04	32.33	11.19	33.03	330	75	A	V
		5450.64	49.95	-24.05	74	39	32.63	11.34	33.02	330	75	P	V
		5444.16	42.14	-11.86	54	31.21	32.61	11.34	33.02	330	75	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	40.77	-33.23	74	37.01	39.86	15.02	51.12	100	0	P	H
		15570	39.98	-34.02	74	35.38	38.21	18.19	51.8	100	0	P	H
													H
													H
		10380	39.97	-34.03	74	36.21	39.86	15.02	51.12	100	0	P	V
		15570	42.15	-31.85	74	37.55	38.21	18.19	51.8	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	39.29	-34.71	74	35.47	39.94	15.08	51.2	100	0	P	H
		15690	44.74	-29.26	74	40.04	38.24	18.26	51.8	100	0	P	H
													H
													H
		10460	41.42	-32.58	74	37.6	39.94	15.08	51.2	100	0	P	V
		15690	46.4	-27.6	74	41.7	38.24	18.26	51.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5142.48	56.26	-17.74	74	45.9	32.21	11.18	33.03	230	117	P	H
		5119.08	50.19	-3.81	54	39.87	32.16	11.19	33.03	230	117	A	H
	*	5210	92.78	-	-	82.34	32.3	11.17	33.03	230	117	P	H
	*	5210	86.47	-	-	76.03	32.3	11.17	33.03	230	117	A	H
		5380.8	50.12	-23.88	74	39.29	32.54	11.31	33.02	230	117	P	H
		5409.84	43.46	-10.54	54	32.61	32.56	11.31	33.02	230	117	A	H
		5125.58	51.28	-22.72	74	40.93	32.19	11.19	33.03	300	350	P	V
		5135.98	45.15	-8.85	54	34.8	32.19	11.19	33.03	300	350	A	V
	*	5210	88.25	-	-	77.81	32.3	11.17	33.03	300	350	P	V
	*	5210	82.57	-	-	72.13	32.3	11.17	33.03	300	350	A	V
		5457.36	50.26	-23.74	74	39.31	32.63	11.34	33.02	300	350	P	V
		5440.8	43.2	-10.8	54	32.27	32.61	11.34	33.02	300	350	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	39.77	-34.23	74	35.98	39.9	15.05	51.16	100	0	P	H
		15630	38.67	-35.33	74	34.01	38.23	18.23	51.8	100	0	P	H
													H
													H
		10420	39.27	-34.73	74	35.48	39.9	15.05	51.16	100	0	P	V
		15630	39.47	-34.53	74	34.81	38.23	18.23	51.8	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5065	51.13	-22.87	74	40.87	32.09	11.21	33.04	223	113	P	H
		5049.14	44.87	-9.13	54	34.62	32.07	11.22	33.04	223	113	A	H
	*	5260	102.9	-	-	92.37	32.37	11.19	33.03	223	113	P	H
	*	5260	94.68	-	-	84.15	32.37	11.19	33.03	223	113	A	H
		5424.48	50.33	-23.67	74	39.43	32.58	11.34	33.02	223	113	P	H
		5441.76	42.27	-11.73	54	31.34	32.61	11.34	33.02	223	113	A	H
		5089.18	51.04	-22.96	74	40.73	32.14	11.21	33.04	315	74	P	V
		5049.14	44.4	-9.6	54	34.15	32.07	11.22	33.04	315	74	A	V
	*	5260	98.3	-	-	87.77	32.37	11.19	33.03	315	74	P	V
	*	5260	90.13	-	-	79.6	32.37	11.19	33.03	315	74	A	V
		5399.52	50.94	-23.06	74	40.09	32.56	11.31	33.02	315	74	P	V
		5448.96	42.16	-11.84	54	31.21	32.63	11.34	33.02	315	74	A	V
802.11n HT20 CH 60 5300MHz		5086.84	51.13	-22.87	74	40.84	32.12	11.21	33.04	212	121	P	H
		5087.1	44.98	-9.02	54	34.69	32.12	11.21	33.04	212	121	A	H
	*	5300	102.98	-	-	92.37	32.42	11.22	33.03	212	121	P	H
	*	5300	94.74	-	-	84.13	32.42	11.22	33.03	212	121	A	H
		5351.28	51.73	-22.27	74	40.99	32.49	11.28	33.03	212	121	P	H
		5350.8	44.35	-9.65	54	33.61	32.49	11.28	33.03	212	121	A	H
		5071.5	50.54	-23.46	74	40.25	32.12	11.21	33.04	330	355	P	V
		5087.1	43.33	-10.67	54	33.04	32.12	11.21	33.04	330	355	A	V
	*	5300	99.1	-	-	88.49	32.42	11.22	33.03	330	355	P	V
	*	5300	90.51	-	-	79.9	32.42	11.22	33.03	330	355	A	V
		5400.72	50.44	-23.56	74	39.59	32.56	11.31	33.02	330	355	P	V
		5372.88	42.32	-11.68	54	31.56	32.51	11.28	33.03	330	355	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz	*	5320	102.98	-	-	92.32	32.44	11.25	33.03	211	122	P	H
	*	5320	93.78	-	-	83.12	32.44	11.25	33.03	211	122	A	H
		5351.84	54.61	-19.39	74	43.87	32.49	11.28	33.03	211	122	P	H
		5351.36	45.88	-8.12	54	35.14	32.49	11.28	33.03	211	122	A	H
													H
													H
	*	5320	99.2	-	-	88.54	32.44	11.25	33.03	338	357	P	V
	*	5320	90.27	-	-	79.61	32.44	11.25	33.03	338	357	A	V
		5365.76	51.39	-22.61	74	40.63	32.51	11.28	33.03	338	357	P	V
		5350.88	43.47	-10.53	54	32.73	32.49	11.28	33.03	338	357	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	39.24	-34.76	74	35.36	39.99	15.13	51.24	100	0	P	H
		15780	50.13	-23.87	74	45.37	38.26	18.3	51.8	100	0	P	H
													H
													H
		10520	38.8	-35.2	74	34.92	39.99	15.13	51.24	100	0	P	V
		15780	50	-24	74	45.24	38.26	18.3	51.8	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	39.16	-34.84	74	35.26	39.92	15.19	51.21	100	0	P	H
		15900	47.98	-26.02	74	43.13	38.28	18.37	51.8	100	0	P	H
													H
													H
		10600	40.59	-33.41	74	36.69	39.92	15.19	51.21	100	0	P	V
		15900	47.35	-26.65	74	42.5	38.28	18.37	51.8	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	38.92	-35.08	74	35	39.89	15.22	51.19	100	0	P	H
		15960	47.99	-26.01	74	43.08	38.29	18.42	51.8	100	0	P	H
													H
													H
		10640	38.86	-35.14	74	34.94	39.89	15.22	51.19	100	0	P	V
		15960	48.09	-25.91	74	43.18	38.29	18.42	51.8	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5139.62	51.57	-22.43	74	41.2	32.21	11.19	33.03	215	118	P	H
		5147.68	44.08	-9.92	54	33.72	32.21	11.18	33.03	215	118	A	H
	*	5270	99.36	-	-	88.8	32.37	11.22	33.03	215	118	P	H
	*	5270	91.35	-	-	80.79	32.37	11.22	33.03	215	118	A	H
		5357.28	53.08	-20.92	74	42.34	32.49	11.28	33.03	215	118	P	H
		5350.08	45.15	-8.85	54	34.41	32.49	11.28	33.03	215	118	A	H
		5133.64	50.88	-23.12	74	40.53	32.19	11.19	33.03	327	79	P	V
		5085.8	43.38	-10.62	54	33.09	32.12	11.21	33.04	327	79	A	V
	*	5270	95.93	-	-	85.37	32.37	11.22	33.03	327	79	P	V
	*	5270	87.95	-	-	77.39	32.37	11.22	33.03	327	79	A	V
		5453.28	50.96	-23.04	74	40.01	32.63	11.34	33.02	327	79	P	V
		5356.56	42.42	-11.58	54	31.68	32.49	11.28	33.03	327	79	A	V
802.11n HT40 CH 62 5310MHz		5018.46	51.77	-22.23	74	41.55	32.02	11.24	33.04	222	118	P	H
		5082.42	43.11	-10.89	54	32.82	32.12	11.21	33.04	222	118	A	H
	*	5310	98.94	-	-	88.28	32.44	11.25	33.03	222	118	P	H
	*	5310	91.13	-	-	80.47	32.44	11.25	33.03	222	118	A	H
		5350.08	57.64	-16.36	74	46.9	32.49	11.28	33.03	222	118	P	H
		5350.56	50.52	-3.48	54	39.78	32.49	11.28	33.03	222	118	A	H
		5106.08	51.2	-22.8	74	40.89	32.16	11.19	33.04	335	76	P	V
		5026.78	43.29	-10.71	54	33.06	32.05	11.22	33.04	335	76	A	V
	*	5310	94.89	-	-	84.23	32.44	11.25	33.03	335	76	P	V
	*	5310	86.6	-	-	75.94	32.44	11.25	33.03	335	76	A	V
		5352	56.83	-17.17	74	46.09	32.49	11.28	33.03	335	76	P	V
		5350.32	46.75	-7.25	54	36.01	32.49	11.28	33.03	335	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	38.44	-35.56	74	34.56	39.97	15.13	51.22	100	0	P	H
		15810	45.59	-28.41	74	40.8	38.26	18.33	51.8	100	0	P	H
													H
													H
		10540	39.35	-34.65	74	35.47	39.97	15.13	51.22	100	0	P	V
		15810	45.43	-28.57	74	40.64	38.26	18.33	51.8	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	38.87	-35.13	74	34.97	39.9	15.19	51.19	100	0	P	H
		15930	43.53	-30.47	74	38.64	38.29	18.4	51.8	100	0	P	H
													H
													H
		10620	38.68	-35.32	74	34.78	39.9	15.19	51.19	100	0	P	V
		15930	41.28	-32.72	74	36.39	38.29	18.4	51.8	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5140.92	52.57	-21.43	74	42.21	32.21	11.18	33.03	211	121	P	H
		5143	46.82	-7.18	54	36.46	32.21	11.18	33.03	211	121	A	H
	*	5290	96.7	-	-	86.11	32.4	11.22	33.03	211	121	P	H
	*	5290	89.36	-	-	78.77	32.4	11.22	33.03	211	121	A	H
		5357.28	57.9	-16.1	74	47.16	32.49	11.28	33.03	211	121	P	H
		5357.04	50.15	-3.85	54	39.41	32.49	11.28	33.03	211	121	A	H
		5067.08	52.5	-21.5	74	42.24	32.09	11.21	33.04	330	355	P	V
		5095.68	44.66	-9.34	54	34.35	32.14	11.21	33.04	330	355	A	V
	*	5290	92.02	-	-	81.43	32.4	11.22	33.03	330	355	P	V
	*	5290	85.24	-	-	74.65	32.4	11.22	33.03	330	355	A	V
		5376.72	56.45	-17.55	74	45.68	32.51	11.28	33.02	330	355	P	V
		5377.44	48.59	-5.41	54	37.82	32.51	11.28	33.02	330	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	39.15	-34.85	74	35.27	39.93	15.16	51.21	100	0	P	H
		15870	39.08	-34.92	74	34.23	38.28	18.37	51.8	100	0	P	H
													H
													H
		10580	39.11	-34.89	74	35.23	39.93	15.16	51.21	100	0	P	V
		15870	38.25	-35.75	74	33.4	38.28	18.37	51.8	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5454.8	55.8	-18.2	74	44.85	32.63	11.34	33.02	214	126	P	H
		5468.24	59.53	-8.67	68.2	48.52	32.65	11.38	33.02	214	126	P	H
		5459.28	48.52	-5.48	54	37.57	32.63	11.34	33.02	214	126	A	H
	*	5500	101.23	-	-	90.17	32.7	11.38	33.02	214	126	P	H
	*	5500	90.06	-	-	79	32.7	11.38	33.02	214	126	A	H
													H
		5458.96	58.2	-15.8	74	47.25	32.63	11.34	33.02	233	360	P	V
		5469.52	62.05	-6.15	68.2	51.04	32.65	11.38	33.02	233	360	P	V
		5459.76	47.48	-6.52	54	36.53	32.63	11.34	33.02	233	360	A	V
	*	5500	102.35	-	-	91.29	32.7	11.38	33.02	233	360	P	V
	*	5500	91.4	-	-	80.34	32.7	11.38	33.02	233	360	A	V
													V
802.11n HT20 CH 116 5580MHz		5439.28	50.02	-23.98	74	39.09	32.61	11.34	33.02	227	126	P	H
		5462.56	50.43	-17.77	68.2	39.42	32.65	11.38	33.02	227	126	P	H
		5452	42.26	-11.74	54	31.31	32.63	11.34	33.02	227	126	A	H
	*	5580	96.09	-	-	84.92	32.8	11.44	33.07	227	126	P	H
	*	5580	87.93	-	-	76.76	32.8	11.44	33.07	227	126	A	H
		5751.175	50.73	-17.47	68.2	39.38	33.04	11.46	33.15	227	126	P	H
		5458.72	52.35	-21.65	74	41.4	32.63	11.34	33.02	255	360	P	V
		5465.44	49.41	-18.79	68.2	38.4	32.65	11.38	33.02	255	360	P	V
		5456.8	42.34	-11.66	54	31.39	32.63	11.34	33.02	255	360	A	V
	*	5580	103.13	-	-	91.96	32.8	11.44	33.07	255	360	P	V
	*	5580	93.94	-	-	82.77	32.8	11.44	33.07	255	360	A	V
		5762.025	50.86	-17.34	68.2	39.5	33.06	11.46	33.16	255	360	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 140 5700MHz	*	5700	103.43	-	-	92.11	32.97	11.47	33.12	223	64	P	H
	*	5700	94.42	-	-	83.1	32.97	11.47	33.12	223	64	A	H
		5728.36	57.86	-10.34	68.2	46.52	33.01	11.46	33.13	223	64	P	H
													H
													H
													H
	*	5700	101.5	-	-	90.18	32.97	11.47	33.12	259	6	P	V
	*	5700	93.73	-	-	82.41	32.97	11.47	33.12	259	6	A	V
		5734.04	59.16	-9.04	68.2	47.84	33.01	11.46	33.15	259	6	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	41.24	-32.76	74	37.18	39.6	15.49	51.03	100	0	P	H
		16500	47.23	-20.97	68.2	40.63	39.2	19.27	51.87	100	0	P	H
													H
													H
		11000	41.23	-32.77	74	37.17	39.6	15.49	51.03	100	0	P	V
		16500	43.16	-25.04	68.2	36.56	39.2	19.27	51.87	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	41.46	-32.54	74	37.51	39.43	15.61	51.09	100	0	P	H
		16740	46.64	-21.56	68.2	38.32	40.55	19.68	51.91	100	0	P	H
													H
													H
		11160	41.32	-32.68	74	37.37	39.43	15.61	51.09	100	0	P	V
		16740	43.89	-24.31	68.2	35.57	40.55	19.68	51.91	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	40.07	-33.93	74	36.27	39.2	15.79	51.19	100	0	P	H
		17100	50.8	-17.4	68.2	40.11	42.36	20.3	51.97	100	0	P	H
													H
													H
		11400	39.97	-34.03	74	36.17	39.2	15.79	51.19	100	0	P	V
		17100	46.92	-21.28	68.2	36.23	42.36	20.3	51.97	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5452.96	57.63	-16.37	74	46.68	32.63	11.34	33.02	225	82	P	H
		5468.8	62.19	-6.01	68.2	51.18	32.65	11.38	33.02	225	82	P	H
		5459.92	48.65	-5.35	54	37.7	32.63	11.34	33.02	225	82	A	H
	*	5510	98.36	-	-	87.28	32.7	11.41	33.03	225	82	P	H
	*	5510	91.59	-	-	80.51	32.7	11.41	33.03	225	82	A	H
		5743.65	50.65	-17.55	68.2	39.3	33.04	11.46	33.15	225	82	P	H
		5445.04	53.44	-20.56	74	42.51	32.61	11.34	33.02	233	360	P	V
		5466.88	59.48	-8.72	68.2	48.47	32.65	11.38	33.02	233	360	P	V
		5459.44	45.99	-8.01	54	35.04	32.63	11.34	33.02	233	360	A	V
	*	5510	97.16	-	-	86.08	32.7	11.41	33.03	233	360	P	V
	*	5510	89.15	-	-	78.07	32.7	11.41	33.03	233	360	A	V
		5756.425	50.03	-18.17	68.2	38.67	33.06	11.46	33.16	233	360	P	V
802.11n HT40 CH 110 5550MHz		5458.48	58.92	-15.08	74	47.97	32.63	11.34	33.02	208	68	P	H
		5468.56	61.53	-6.67	68.2	50.52	32.65	11.38	33.02	208	68	P	H
		5459.44	49.55	-4.45	54	38.6	32.63	11.34	33.02	208	68	A	H
	*	5550	104.24	-	-	93.08	32.77	11.44	33.05	208	68	P	H
	*	5550	96.47	-	-	85.31	32.77	11.44	33.05	208	68	A	H
		5730.875	50.75	-17.45	68.2	39.43	33.01	11.46	33.15	208	68	P	H
		5459.2	53.28	-20.72	74	42.33	32.63	11.34	33.02	240	360	P	V
		5466.88	55.22	-12.98	68.2	44.21	32.65	11.38	33.02	240	360	P	V
		5459.92	47.45	-6.55	54	36.5	32.63	11.34	33.02	240	360	A	V
	*	5550	102.24	-	-	91.08	32.77	11.44	33.05	240	360	P	V
	*	5550	94.09	-	-	82.93	32.77	11.44	33.05	240	360	A	V
		5753.975	50.27	-17.93	68.2	38.9	33.06	11.46	33.15	240	360	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5458.96	50.18	-23.82	74	39.23	32.63	11.34	33.02	230	68	P	H
		5466.88	50.31	-17.89	68.2	39.3	32.65	11.38	33.02	230	68	P	H
		5447.68	42.23	-11.77	54	31.28	32.63	11.34	33.02	230	68	A	H
	*	5670	104.12	-	-	92.82	32.94	11.47	33.11	230	68	P	H
	*	5670	96.52	-	-	85.22	32.94	11.47	33.11	230	68	A	H
		5725.275	62.15	-6.05	68.2	50.81	33.01	11.46	33.13	230	68	P	H
		5437.36	50.25	-23.75	74	39.32	32.61	11.34	33.02	240	359	P	V
		5468.8	49.72	-18.48	68.2	38.71	32.65	11.38	33.02	240	359	P	V
		5455.36	42.17	-11.83	54	31.22	32.63	11.34	33.02	240	359	A	V
	*	5670	101.43	-	-	90.13	32.94	11.47	33.11	240	359	P	V
	*	5670	93.54	-	-	82.24	32.94	11.47	33.11	240	359	A	V
		5739.1	57.85	-10.35	68.2	46.5	33.04	11.46	33.15	240	359	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	40.18	-33.82	74	36.14	39.58	15.49	51.03	100	0	P	H
		16530	41.54	-26.66	68.2	34.68	39.39	19.34	51.87	100	0	P	H
													H
													H
		11020	40.22	-33.78	74	36.18	39.58	15.49	51.03	100	0	P	V
		16530	40.28	-27.92	68.2	33.42	39.39	19.34	51.87	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	39.3	-34.7	74	35.31	39.5	15.55	51.06	100	0	P	H
		16650	43.67	-30.33	74	35.96	40.07	19.54	51.9	100	0	P	H
													H
													H
		11100	39.47	-34.53	74	35.48	39.5	15.55	51.06	100	0	P	V
		16650	42.75	-31.25	74	35.04	40.07	19.54	51.9	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	40.23	-33.77	74	36.41	39.27	15.73	51.18	100	0	P	H
		17010	46.56	-27.44	74	36.3	42.06	20.16	51.96	100	0	P	H
													H
													H
		11340	39.85	-34.15	74	36.03	39.27	15.73	51.18	100	0	P	V
		17010	44.83	-29.17	74	34.57	42.06	20.16	51.96	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5464.48	57.54	-16.46	74	46.53	32.65	11.38	33.02	224	77	P	H
		5463.28	50.34	-3.66	54	39.33	32.65	11.38	33.02	224	77	A	H
	*	5530	96.55	-	-	85.47	32.72	11.41	33.05	224	77	P	H
	*	5530	89.29	-	-	78.21	32.72	11.41	33.05	224	77	A	H
		5730.525	50.81	-23.19	74	39.49	33.01	11.46	33.15	224	77	P	H
		5743.825	44.71	-9.29	54	33.36	33.04	11.46	33.15	224	77	A	H
		5434	54.38	-19.62	74	43.45	32.61	11.34	33.02	241	360	P	V
		5457.28	48.23	-5.77	54	37.28	32.63	11.34	33.02	241	360	A	V
	*	5530	94.84	-	-	83.76	32.72	11.41	33.05	241	360	P	V
	*	5530	88.49	-	-	77.41	32.72	11.41	33.05	241	360	A	V
		5745.05	51.18	-22.82	74	39.83	33.04	11.46	33.15	241	360	P	V
		5736.825	44.37	-9.63	54	33.02	33.04	11.46	33.15	241	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	40.59	-33.41	74	36.59	39.53	15.52	51.05	100	0	P	H
		16590	40.45	-33.55	74	33.17	39.68	19.48	51.88	100	0	P	H
													H
													H
		11060	39.4	-34.6	74	35.4	39.53	15.52	51.05	100	0	P	V
		16590	41.07	-32.93	74	33.79	39.68	19.48	51.88	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		76.98	24.37	-15.63	40	42.11	13.23	1.51	32.48	-	-	P	H
		89.4	26.3	-17.2	43.5	42.49	14.78	1.51	32.48	-	-	P	H
		161.49	23.25	-20.25	43.5	37.28	16.7	2	32.73	-	-	P	H
		744.5	29.96	-16.04	46	30.61	27.6	4.09	32.34	-	-	P	H
		892.2	32.49	-13.51	46	30.47	29.15	4.57	31.7	-	-	P	H
		942.6	33.94	-12.06	46	30.1	30.41	4.69	31.26	347	92	P	H
													H
													H
													H
													H
													H
													H
		35.94	30.59	-9.41	40	39.25	22.54	1.29	32.49	166	241	P	V
		49.44	28.29	-11.71	40	44.16	15.33	1.29	32.49	-	-	P	V
		81.03	25.51	-14.49	40	42.66	13.82	1.51	32.48	-	-	P	V
		489	25.22	-20.78	46	30.39	23.92	3.28	32.37	-	-	P	V
		765.5	30	-16	46	30.31	27.88	4.09	32.28	-	-	P	V
		876.8	32.22	-13.78	46	30.37	29.06	4.57	31.78	-	-	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	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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) + Cable 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 C. Radiated Spurious Emission

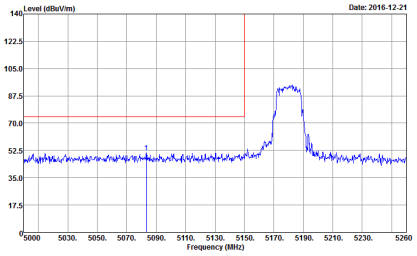
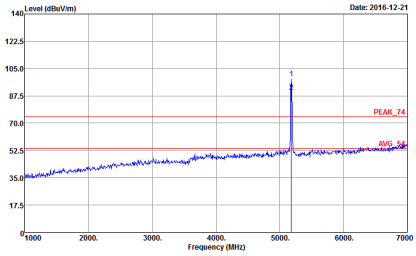
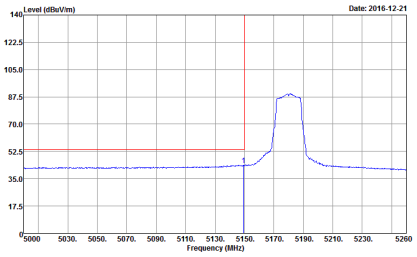
Test Engineer :	J.C. Liang, Jacky Hung, and Ken Wu	**Temperature :**	20~23°C
		Relative Humidity :	58~63%

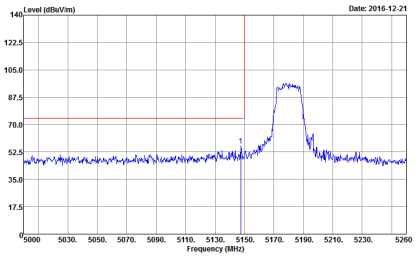
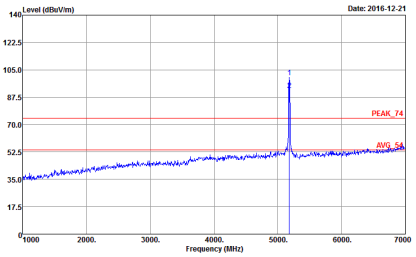
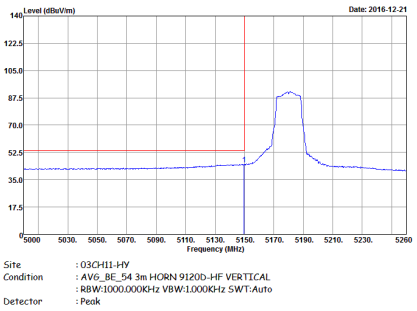
Note symbol

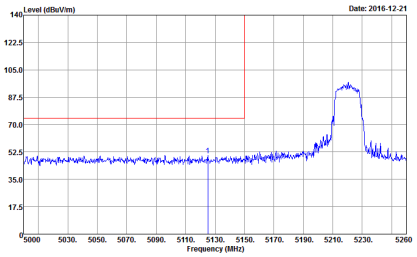
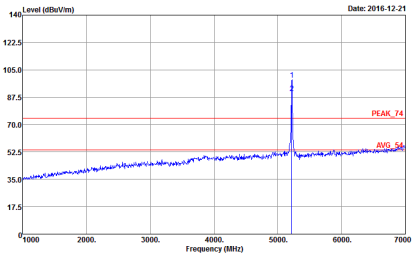
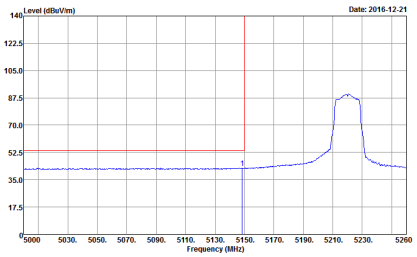
-L	**Low channel location**
-R	**High channel location**

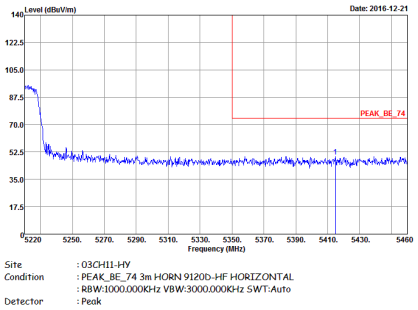
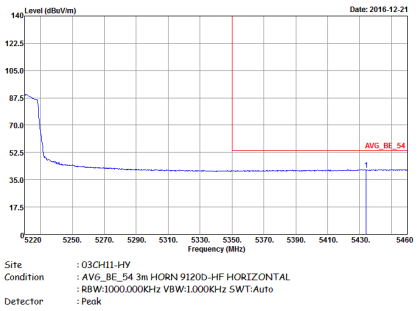
Band 1 - 5150~5250MHz

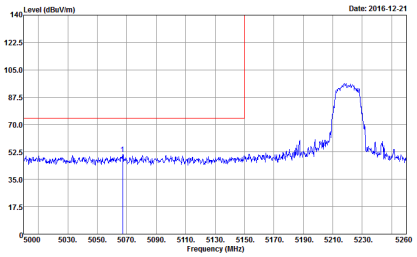
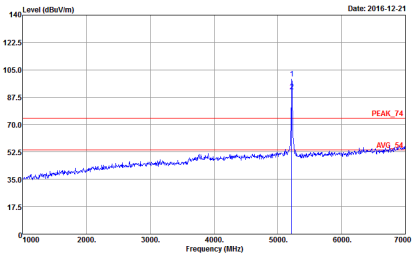
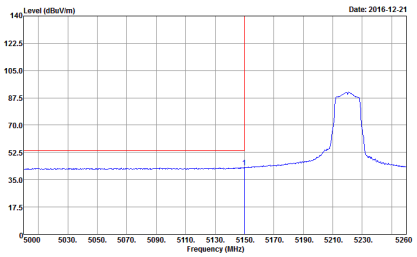
WIFI 802.11a (Band Edge @ 3m)

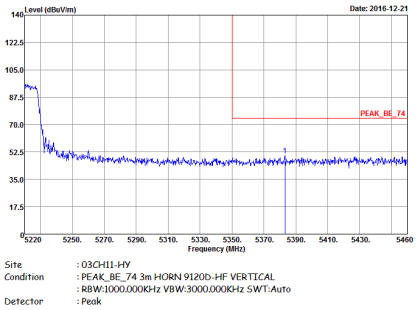
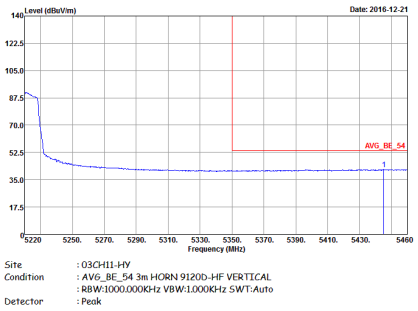
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

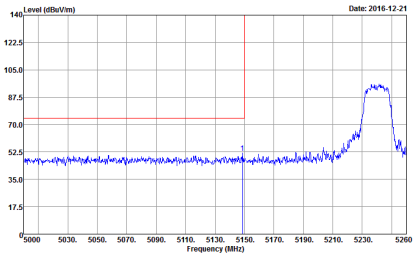
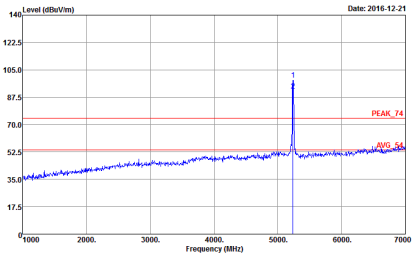
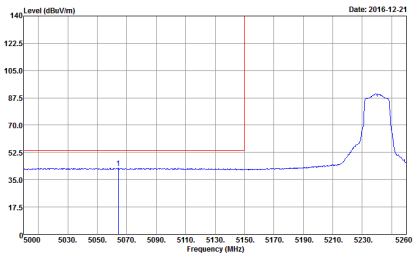
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Vertical
Peak		
Avg.		Left blank

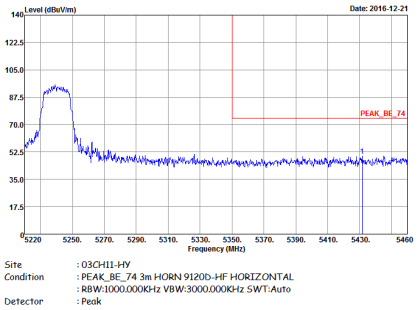
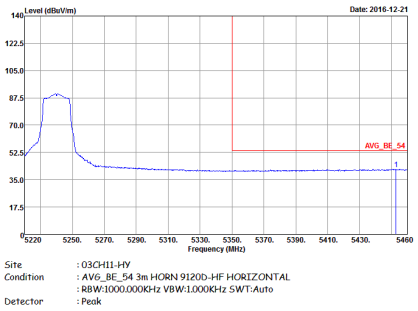
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

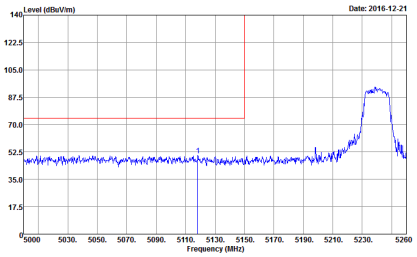
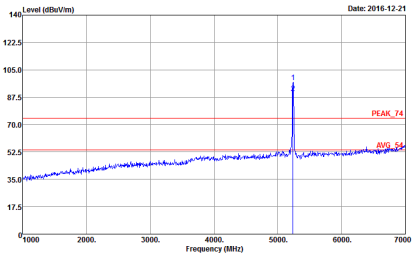
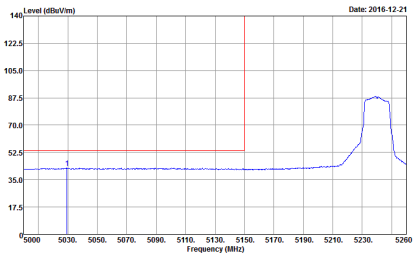
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

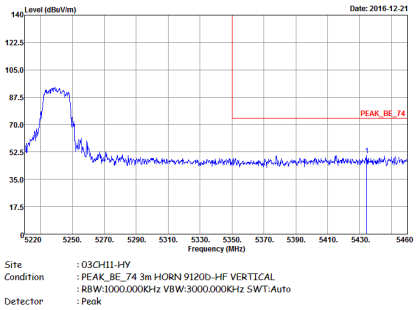
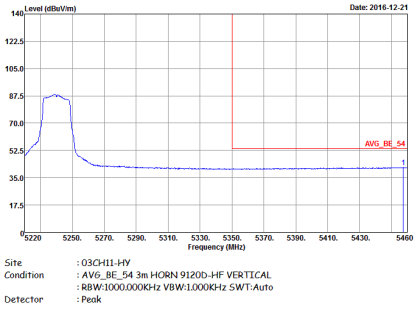
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	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	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

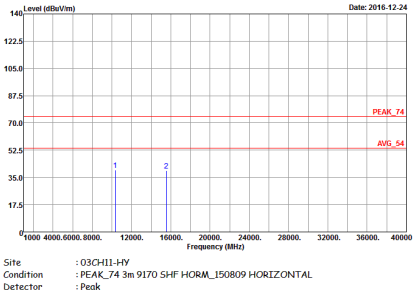
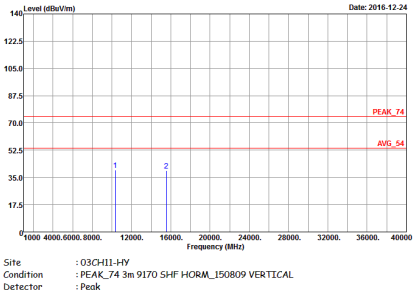
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

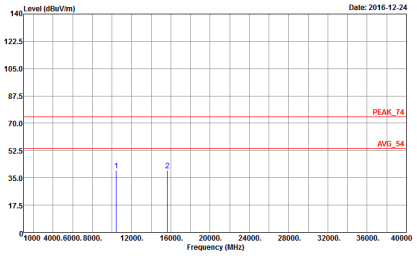
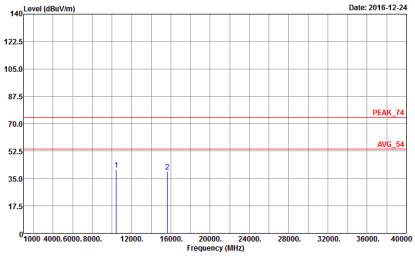
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

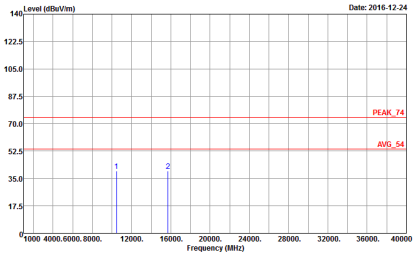
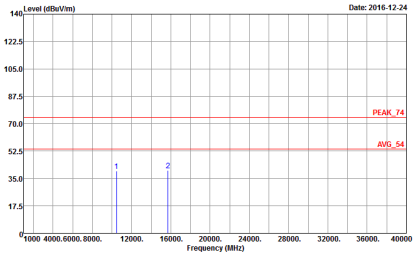
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

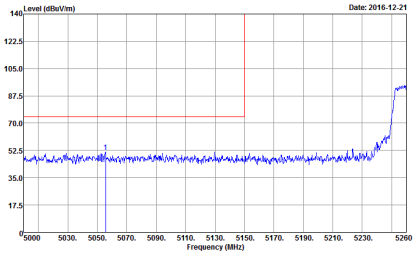
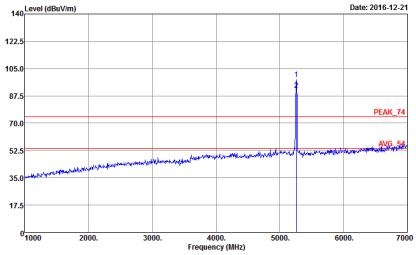
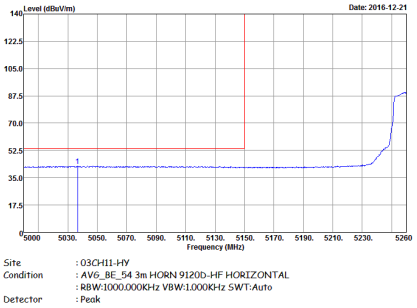
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

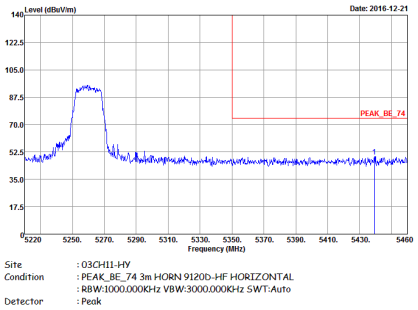
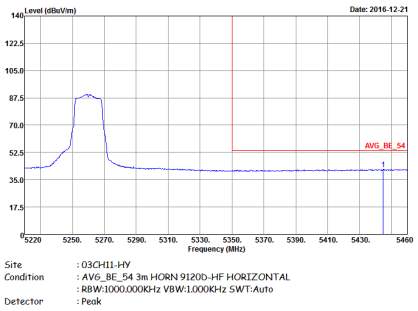
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

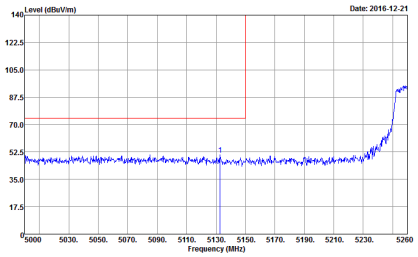
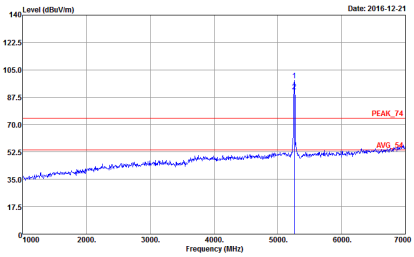
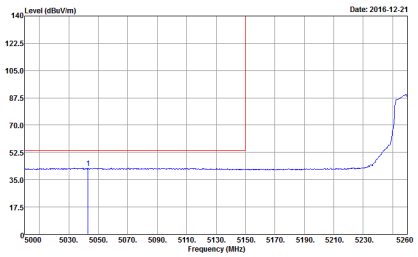
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

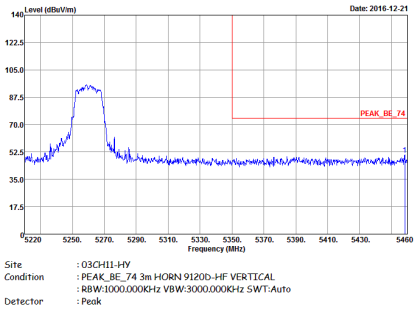
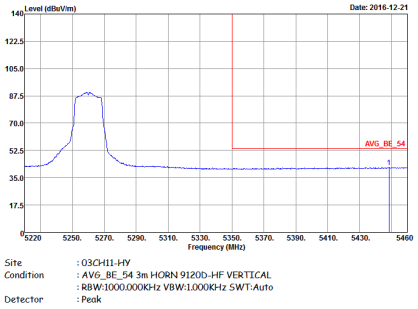
Band 2 - 5250~5350MHz

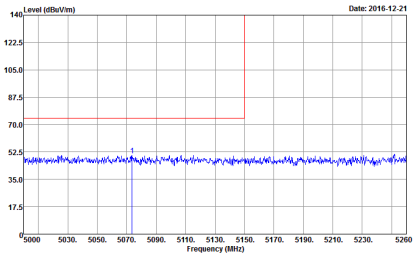
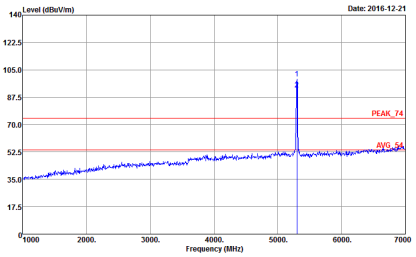
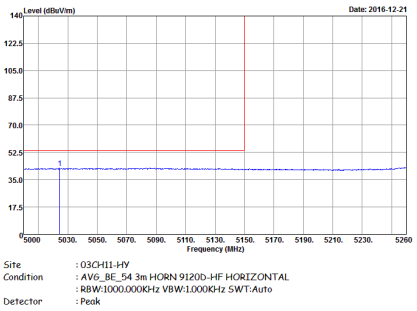
WIFI 802.11a (Band Edge @ 3m)

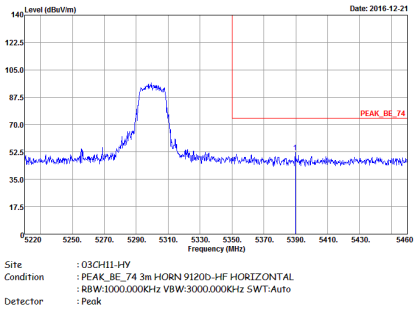
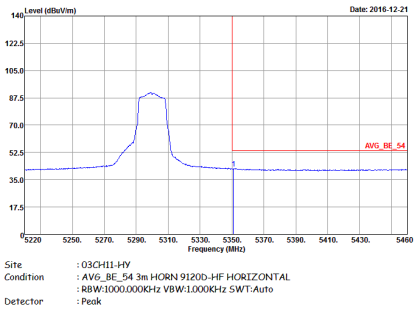
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

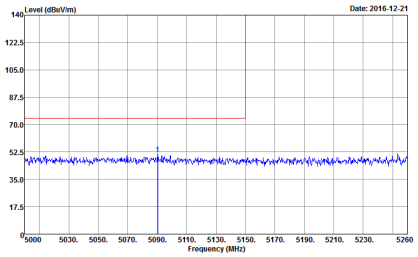
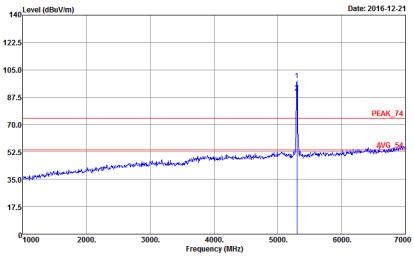
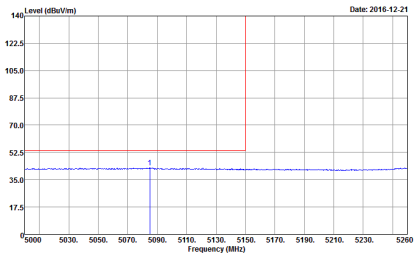
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

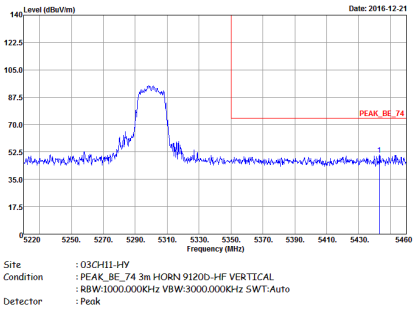
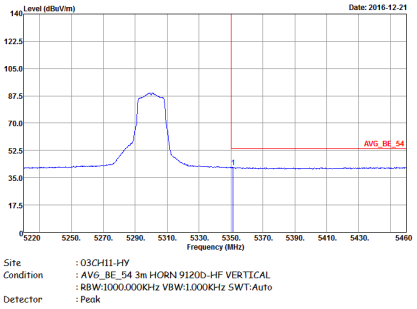
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

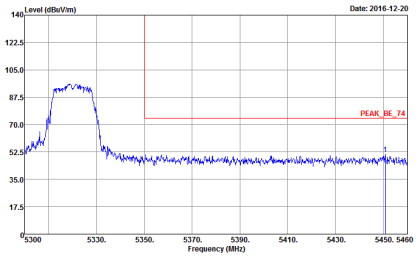
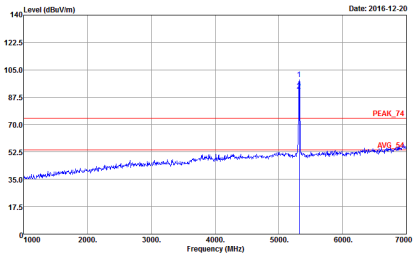
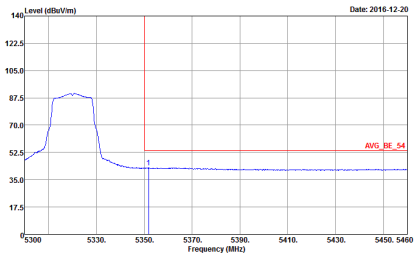
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

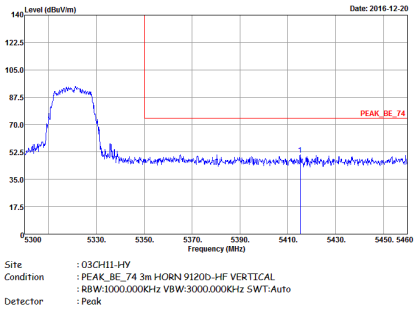
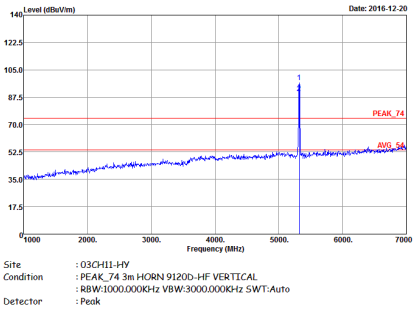
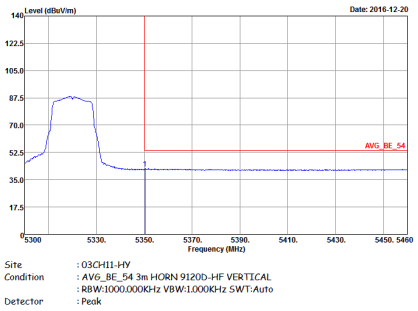
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

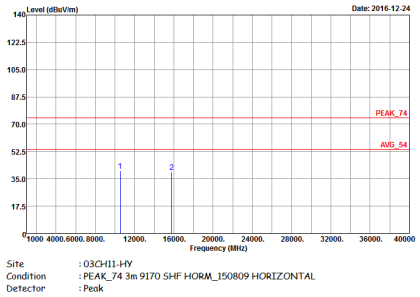
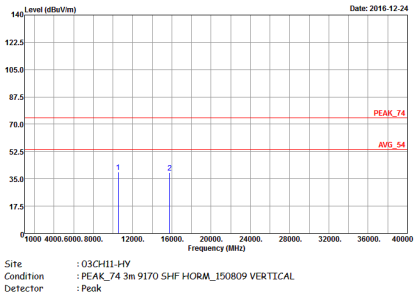
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

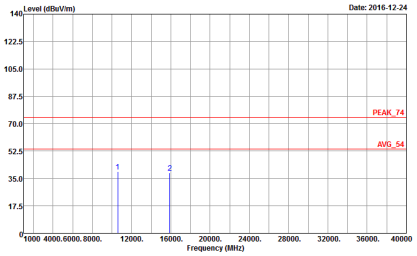
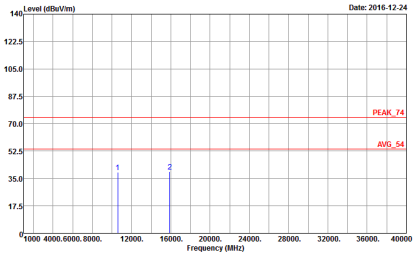
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

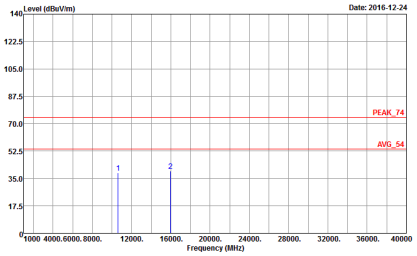
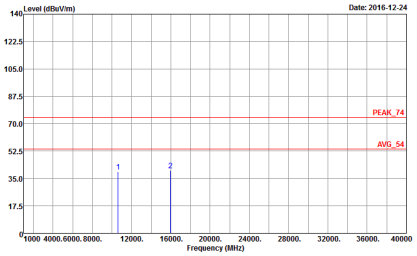
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

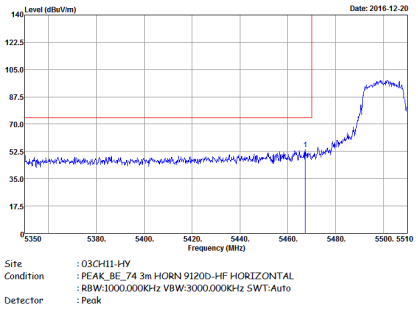
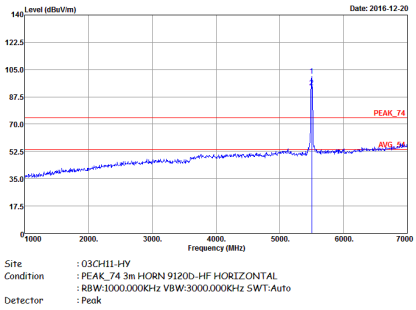
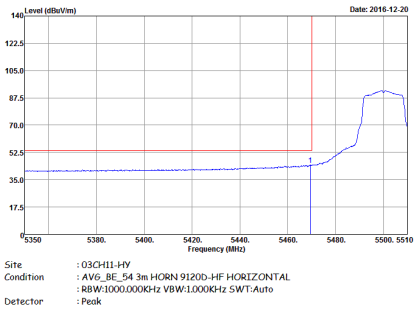
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

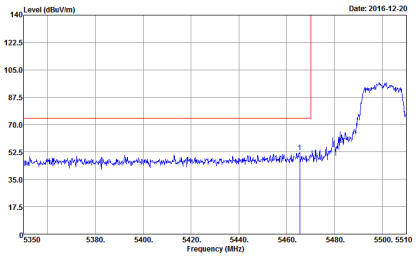
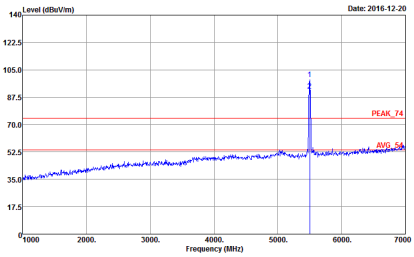
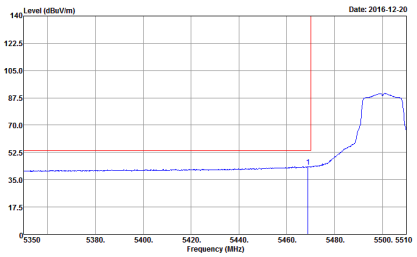
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

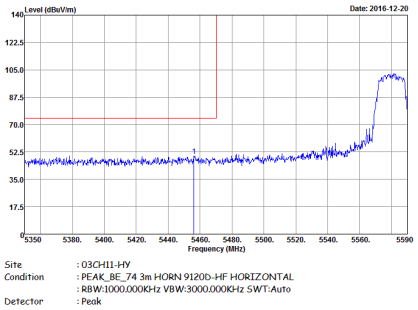
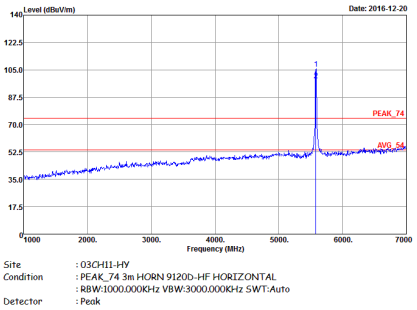
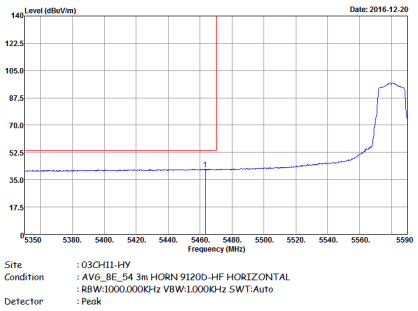
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

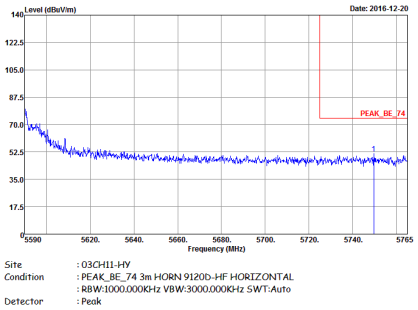
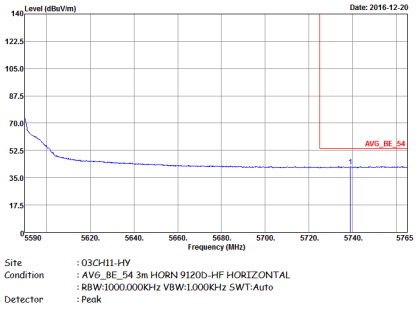
Band 3 - 5470~5725MHz

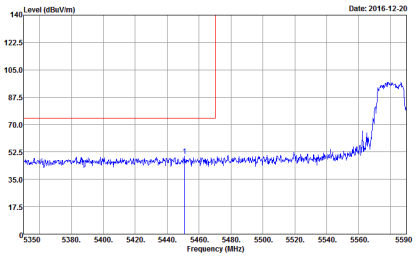
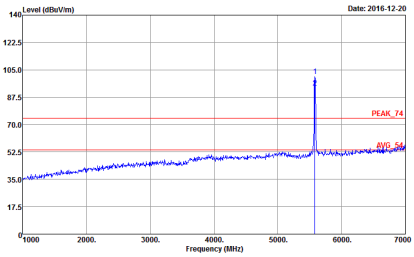
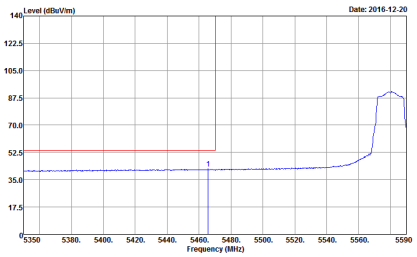
WIFI 802.11a (Band Edge @ 3m)

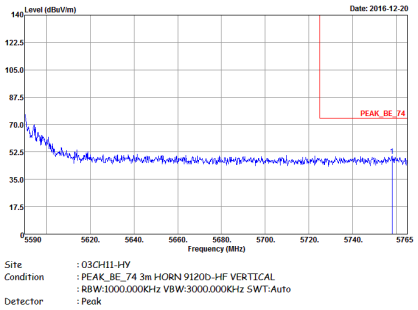
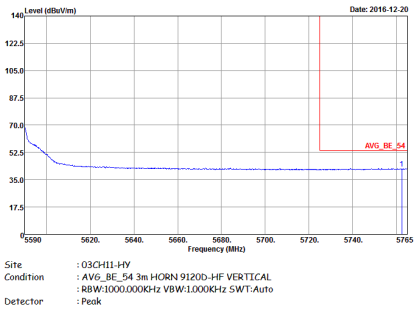
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

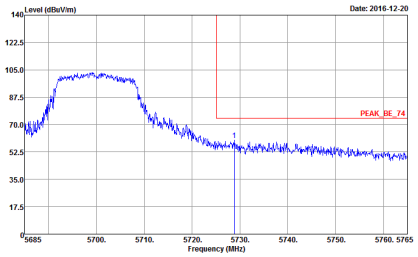
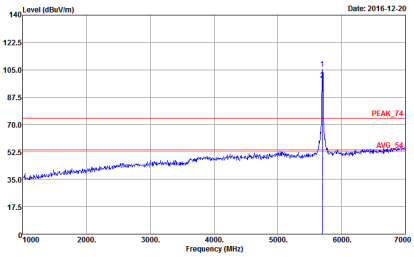
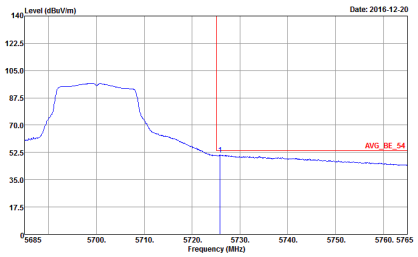
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

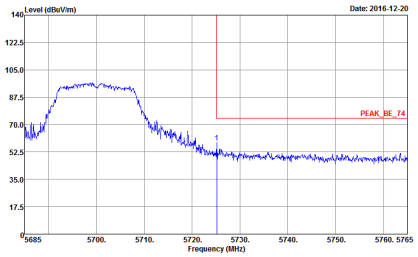
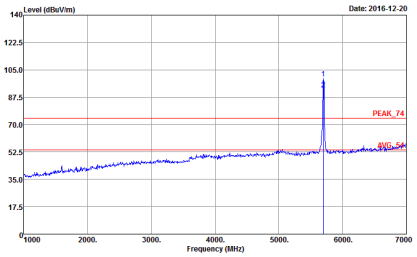
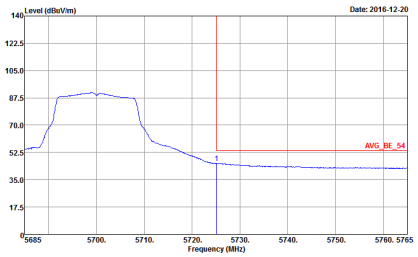
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
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	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

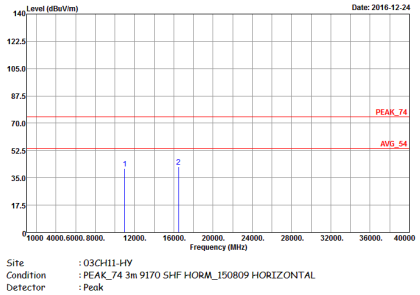
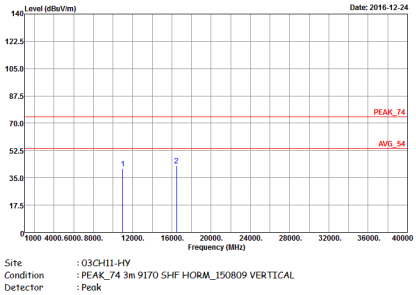
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

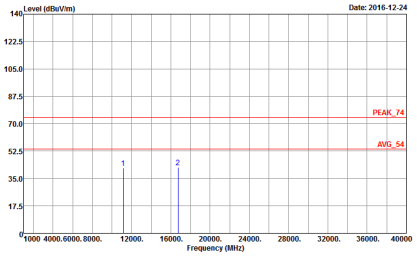
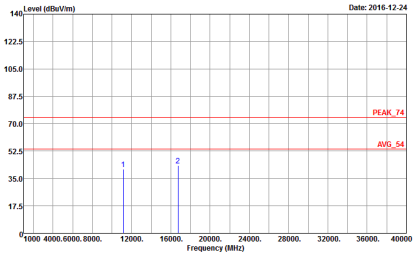
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

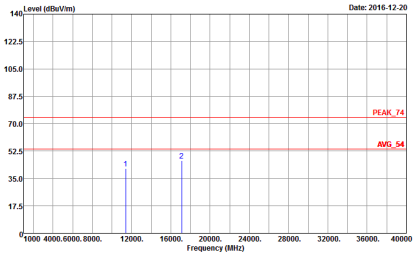
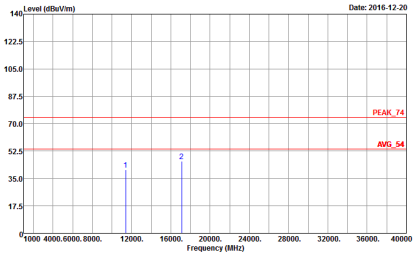
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

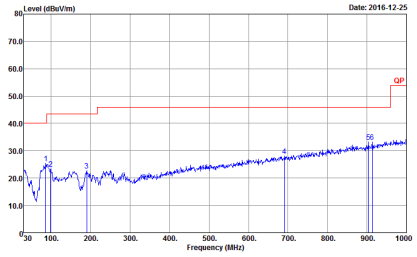
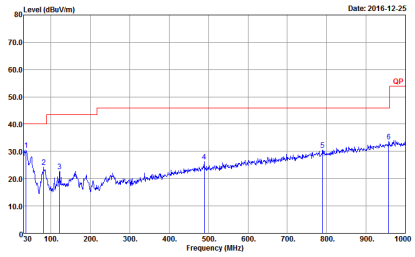
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

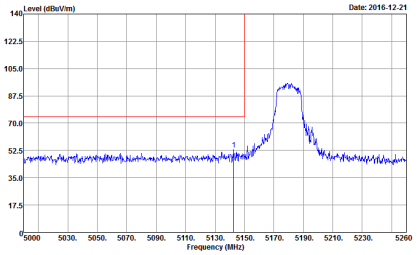
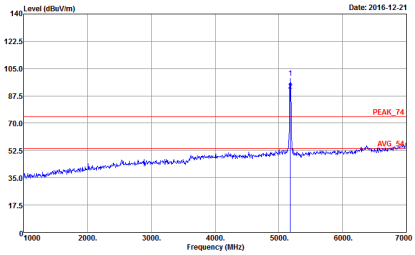
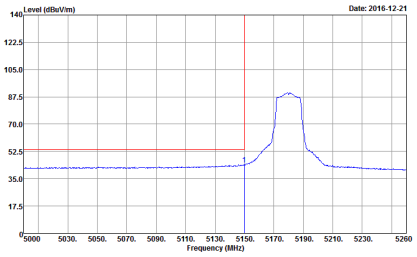
Emission below 1GHz

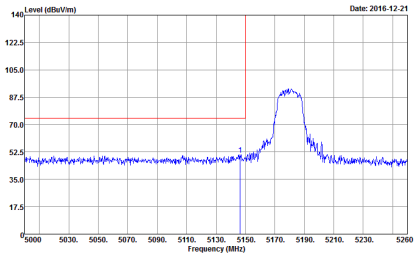
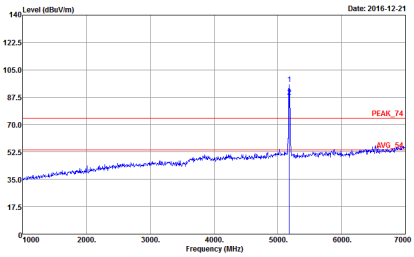
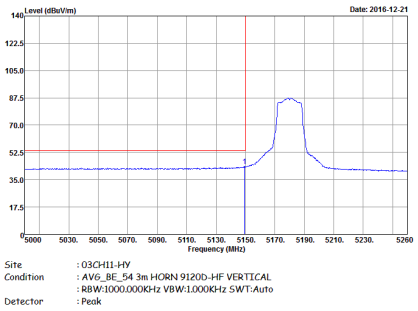
5GHz WIFI 802.11a (LF)

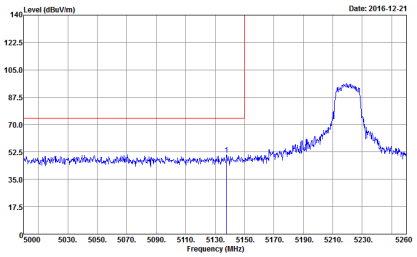
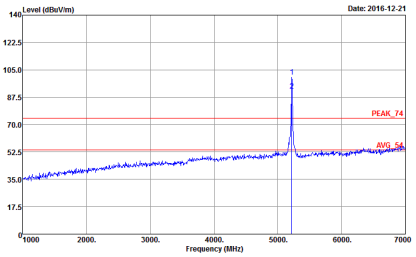
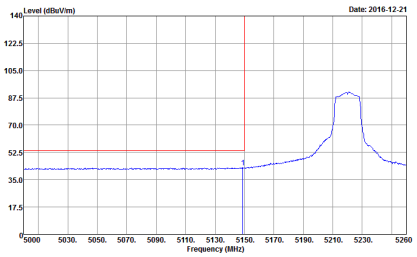
WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak		

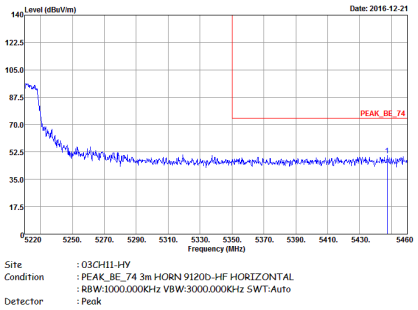
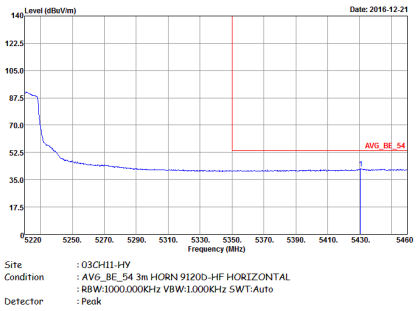
Band 1 - 5150~5250MHz

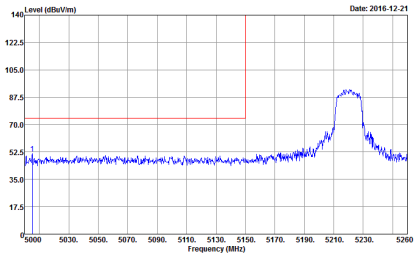
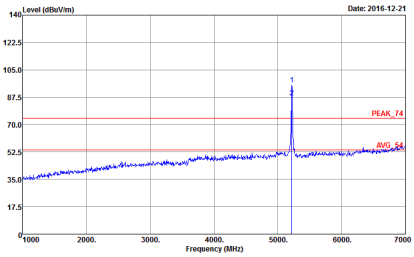
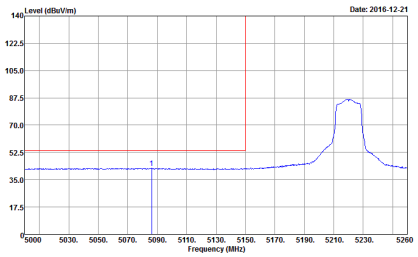
WIFI 802.11a (Band Edge @ 3m)

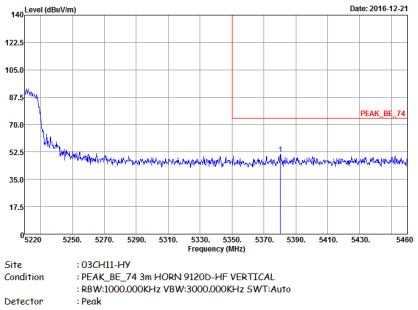
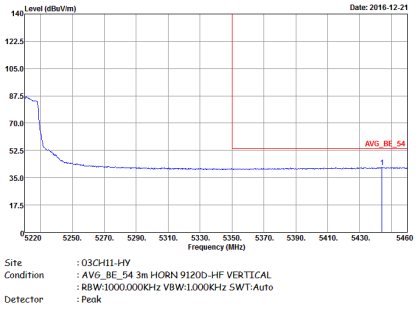
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

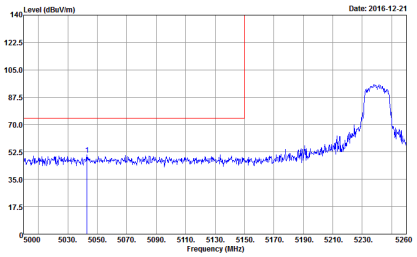
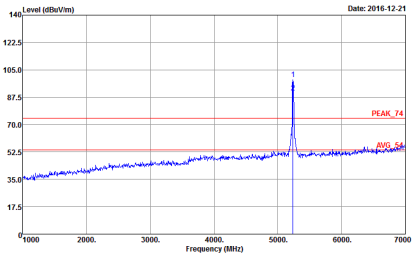
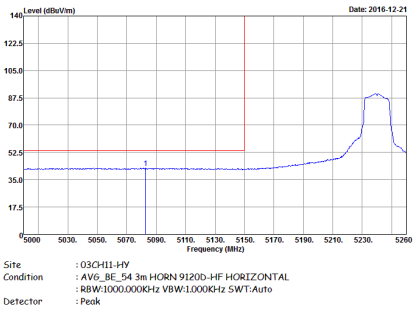
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Vertical	Vertical
Peak		
Avg.		Left blank

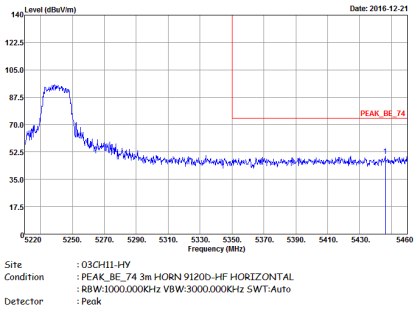
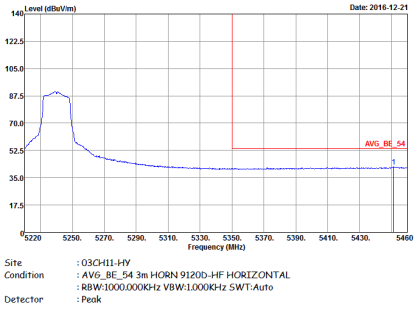
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

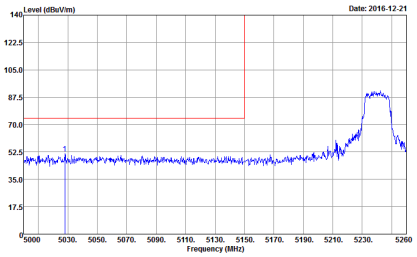
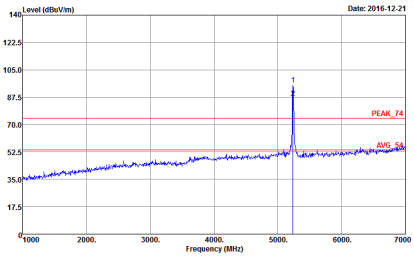
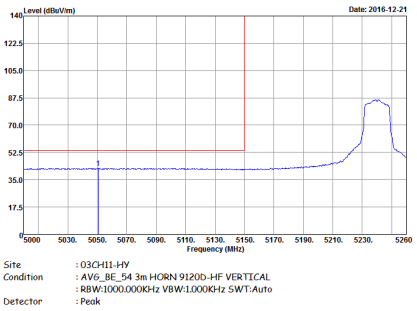
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

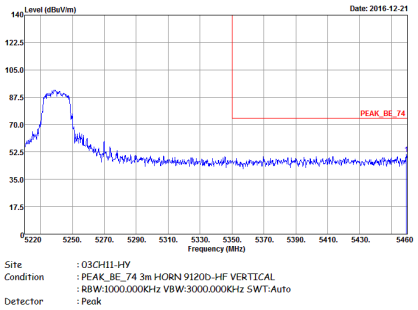
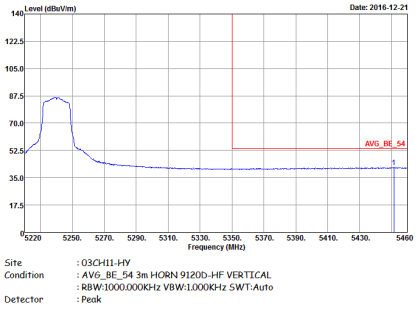
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

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

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

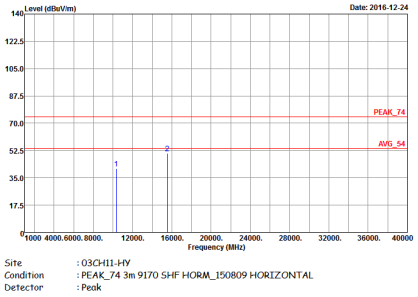
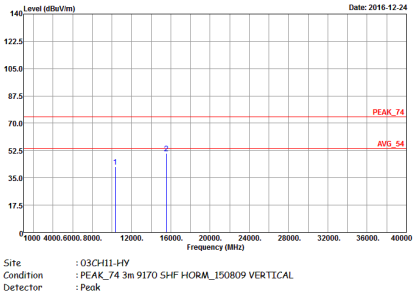
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

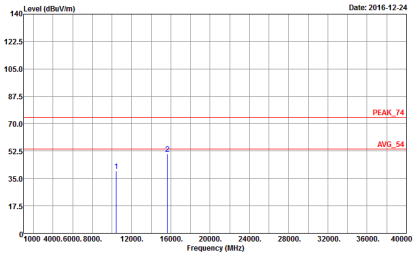
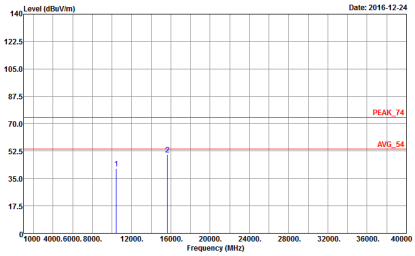
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Vertical	Fundamental
Peak		
Avg.		Left blank

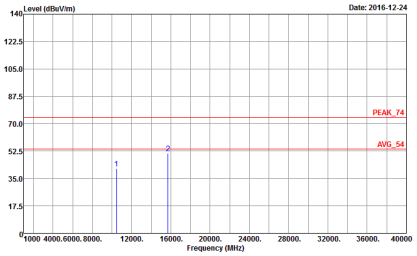
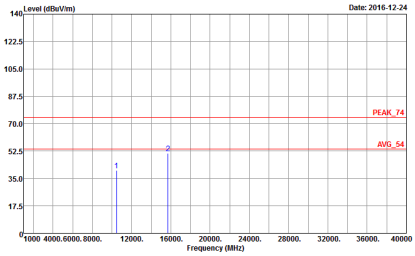
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

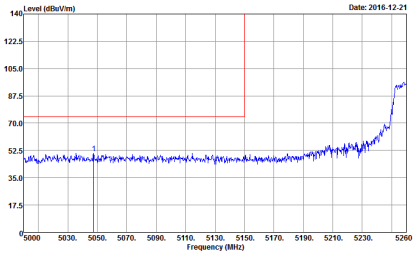
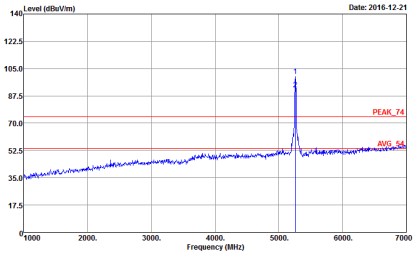
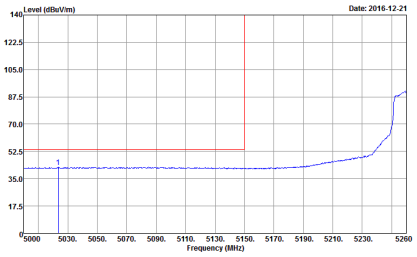
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.		

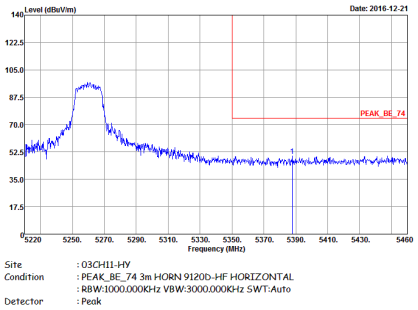
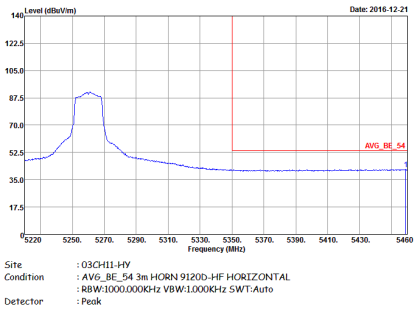
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

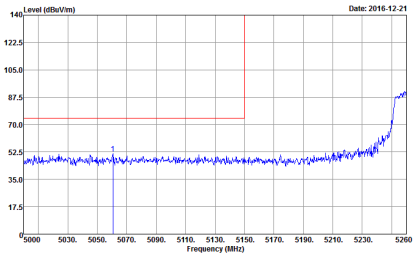
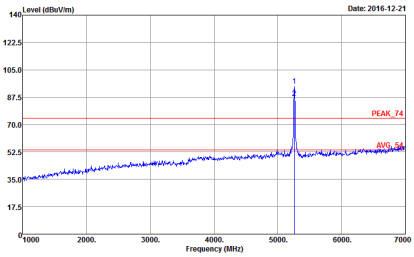
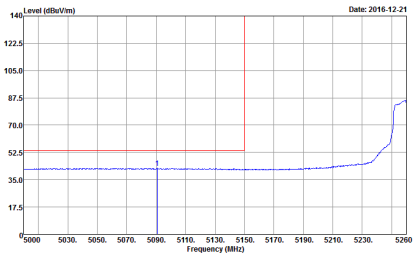
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

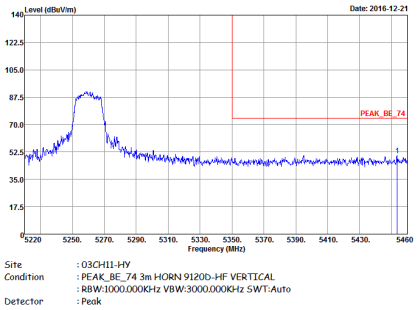
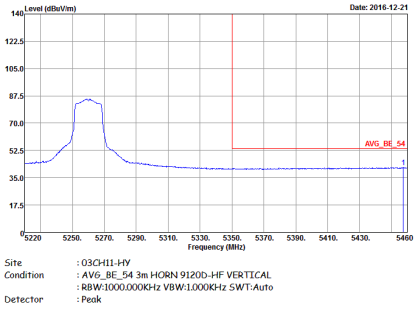
Band 2 - 5250~5350MHz

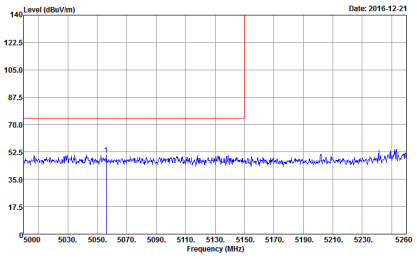
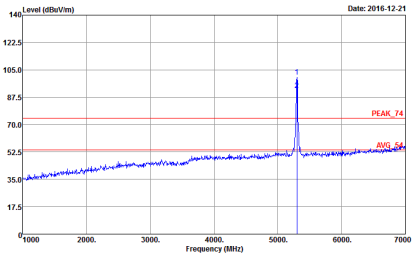
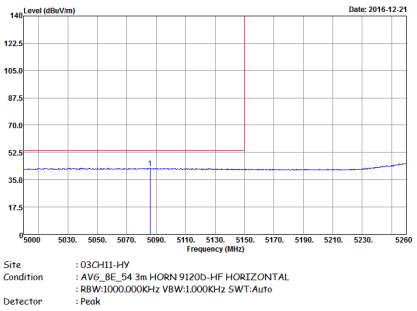
WIFI 802.11a (Band Edge @ 3m)

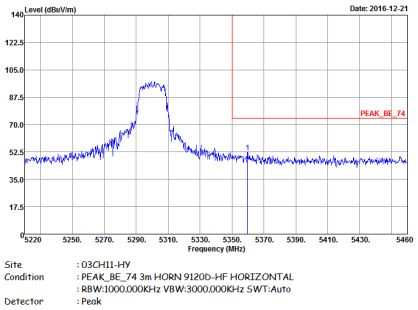
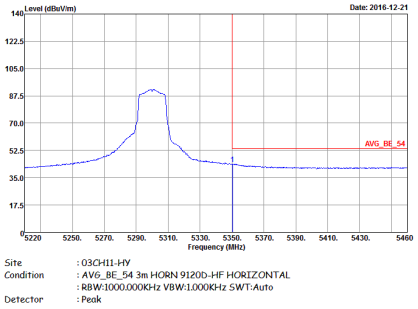
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

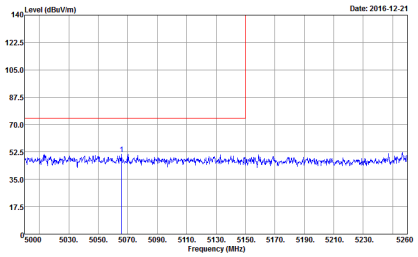
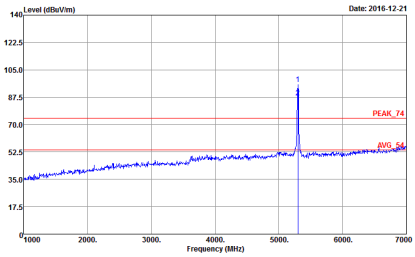
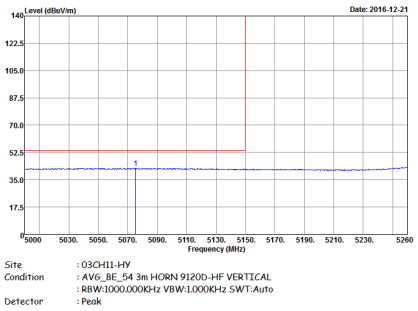
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

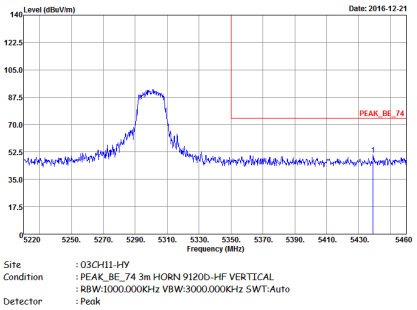
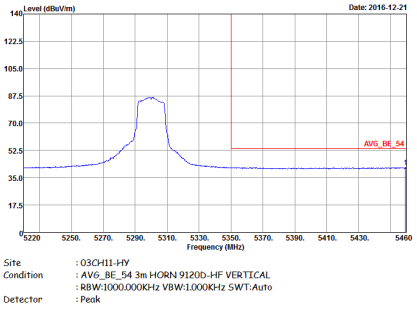
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

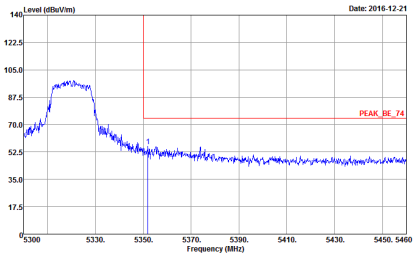
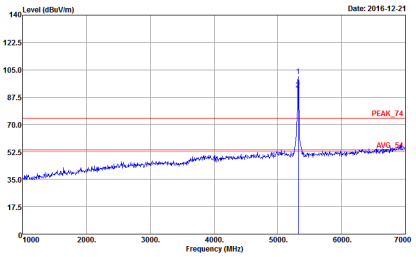
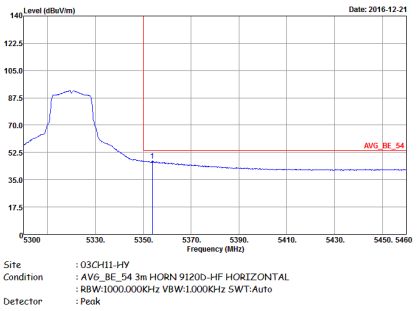
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

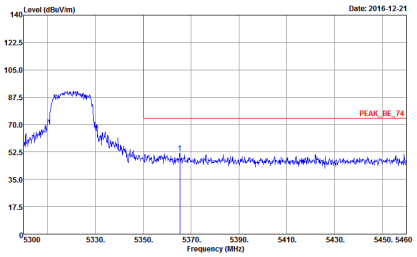
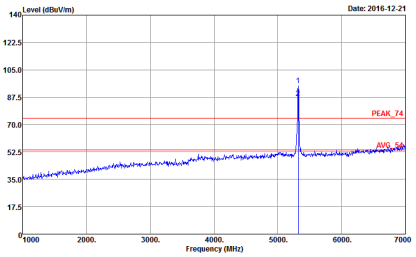
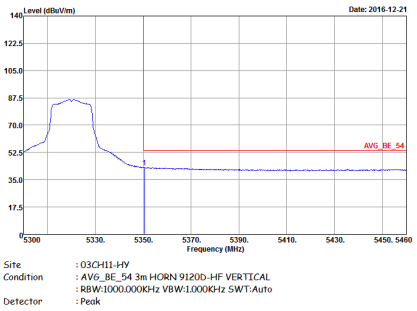
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

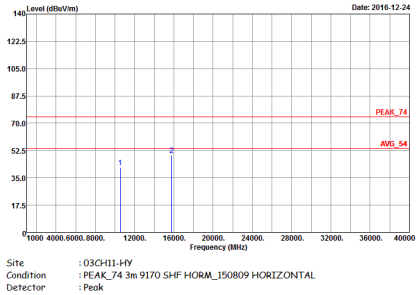
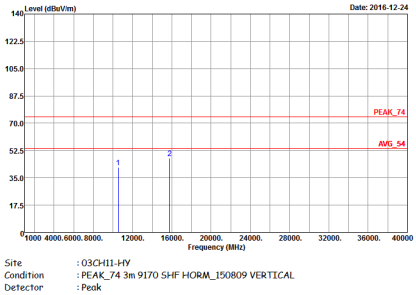
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

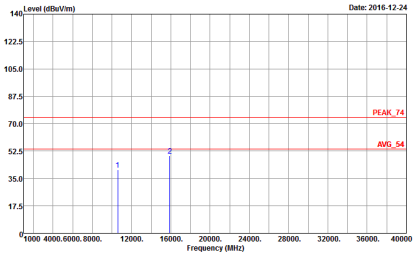
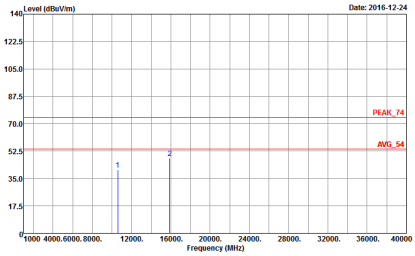
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

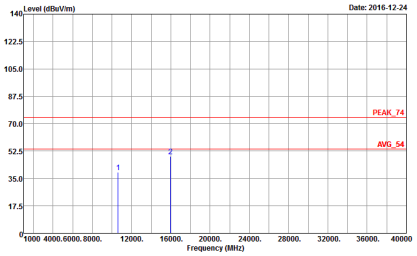
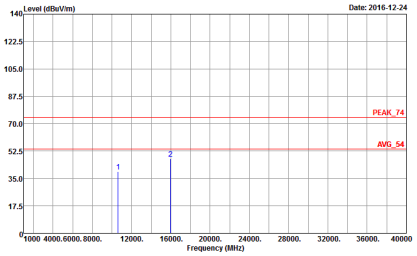
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

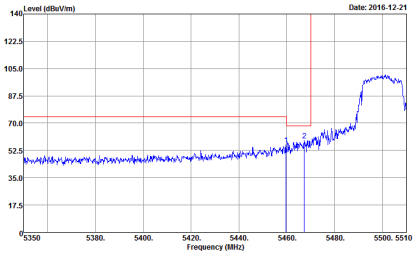
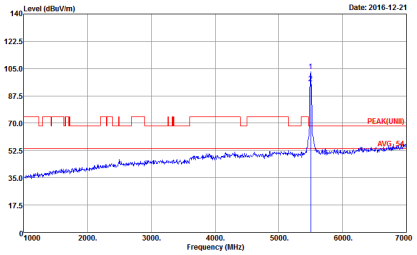
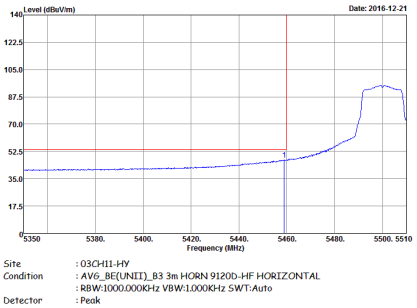
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
2	Horizontal	Vertical
Peak Avg.		

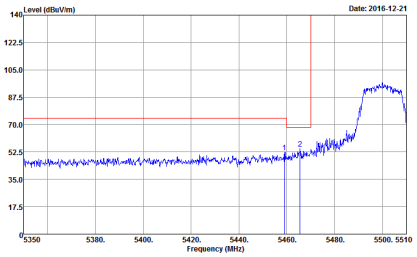
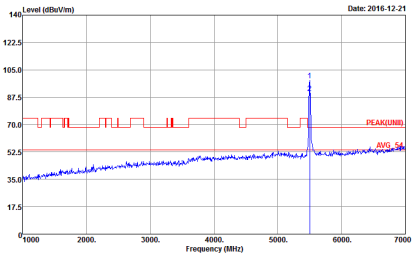
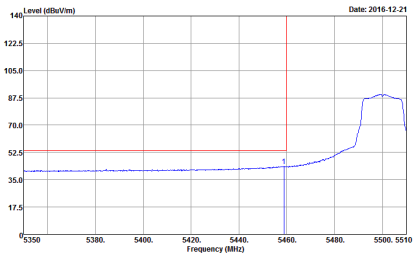
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

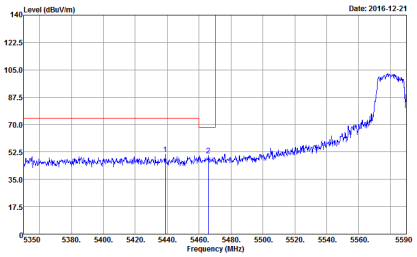
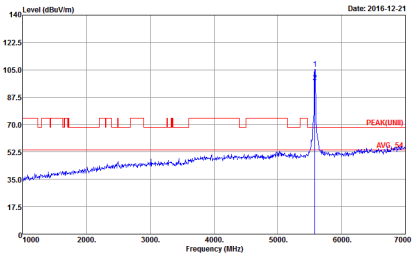
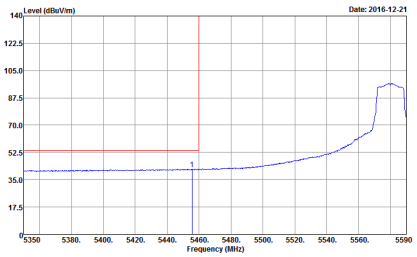
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

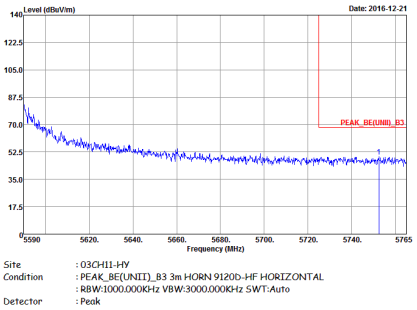
Band 3 - 5470~5725MHz

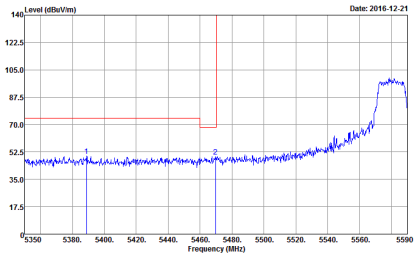
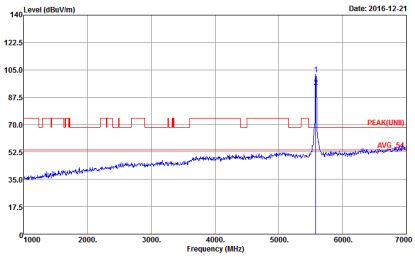
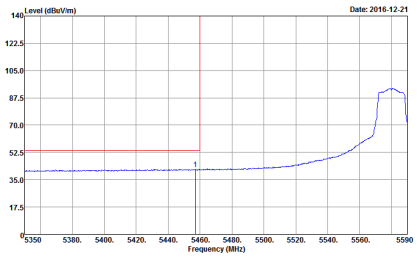
WIFI 802.11a (Band Edge @ 3m)

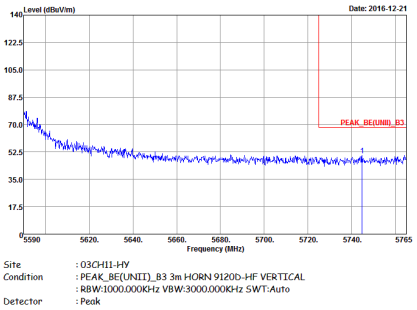
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

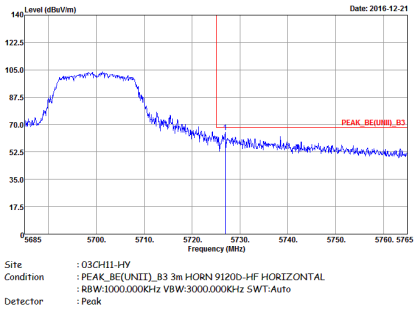
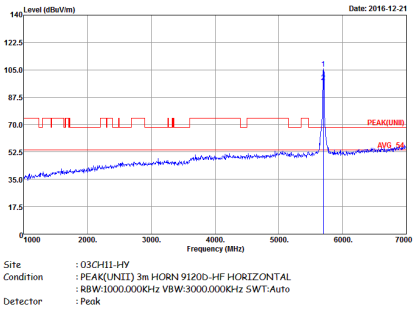
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII)_B3 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

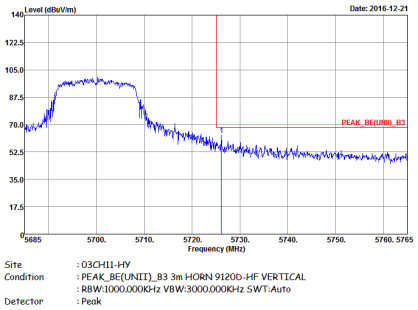
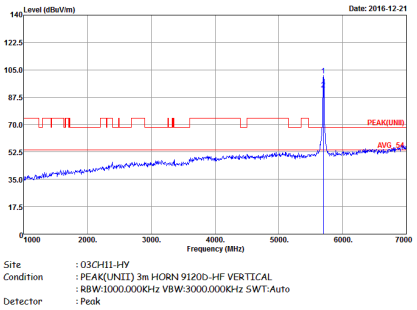
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII)_B3 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII)_B3 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak	Left blank

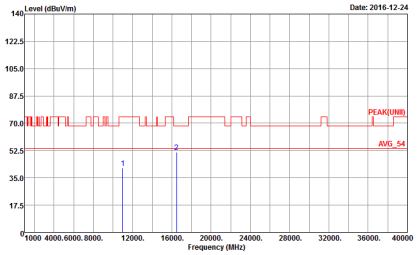
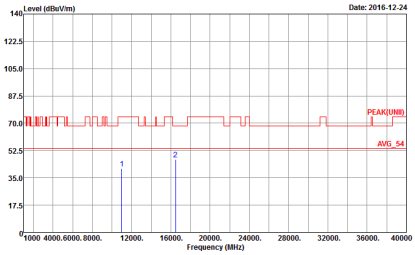
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Vertical	Fundamental
Peak		Left blank

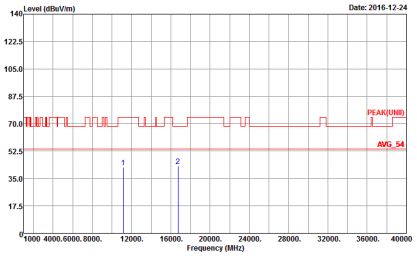
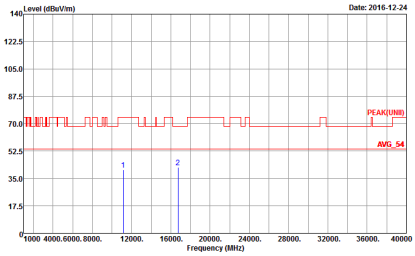
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Fundamental
Peak		

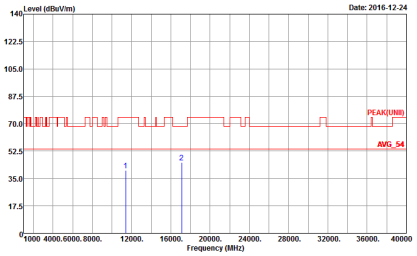
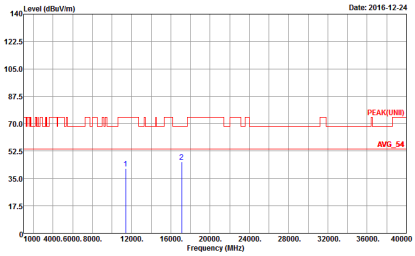
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Vertical	Fundamental
Peak		

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

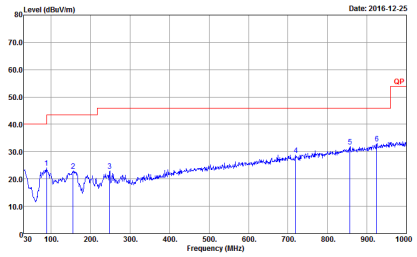
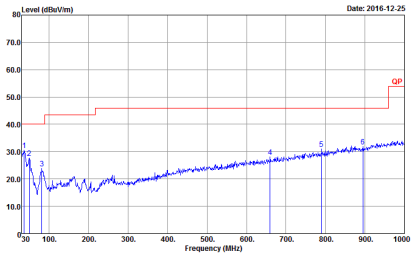
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

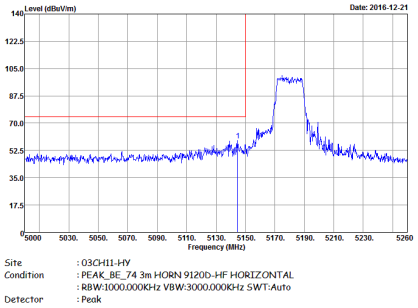
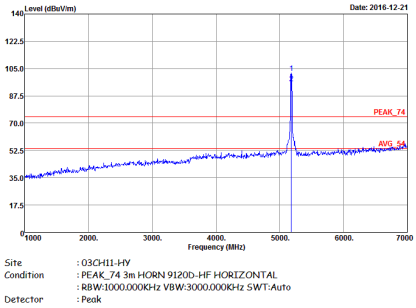
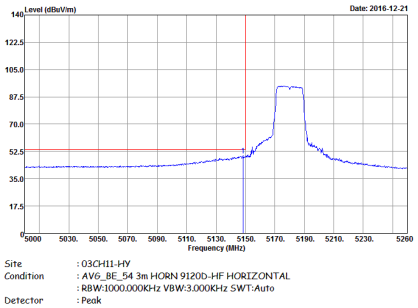
Emission below 1GHz

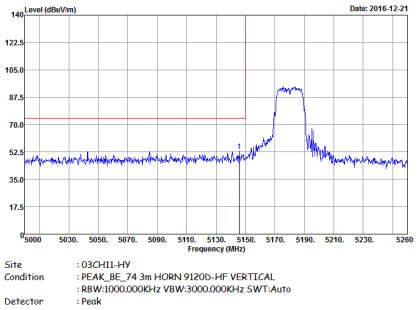
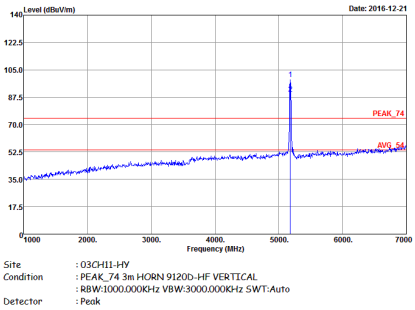
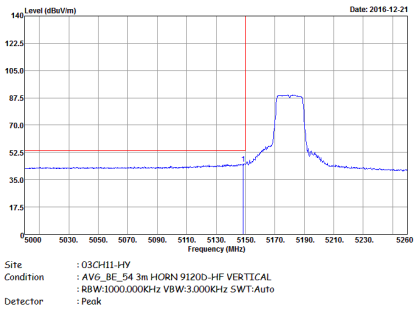
5GHz WIFI 802.11a (LF)

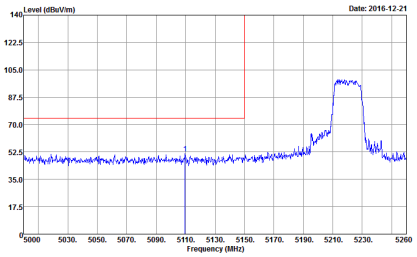
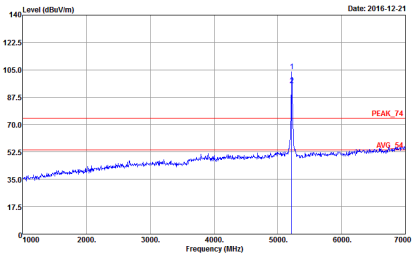
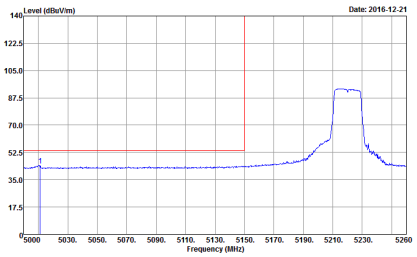
WIFI	5GHz WIFI	
ANT	802.11a LF	
2	Horizontal	Vertical
QP / Peak		

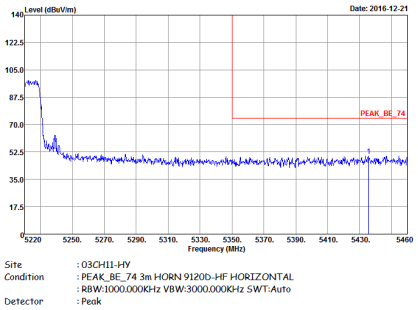
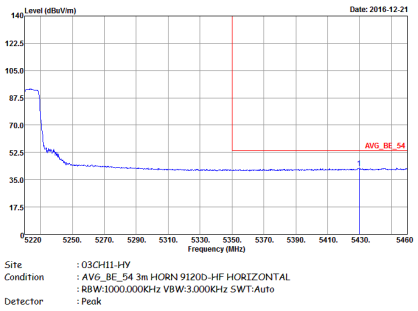
Band 1 - 5150~5250MHz

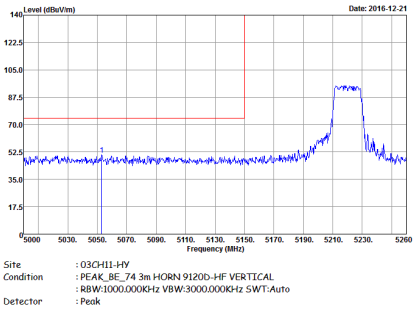
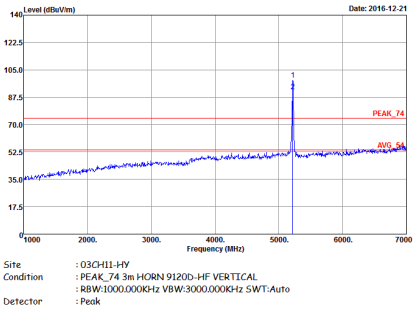
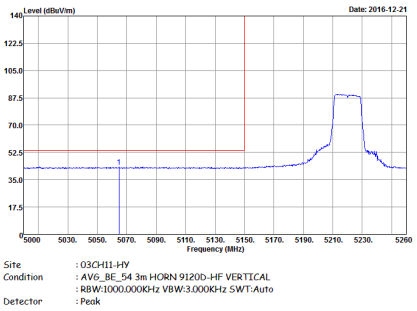
WIFI 802.11n HT20 (Band Edge @ 3m)

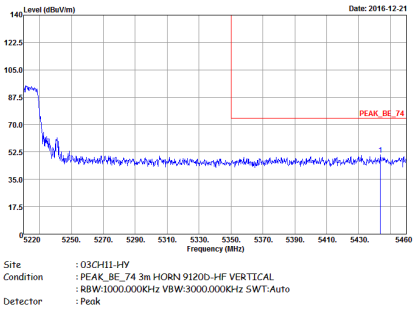
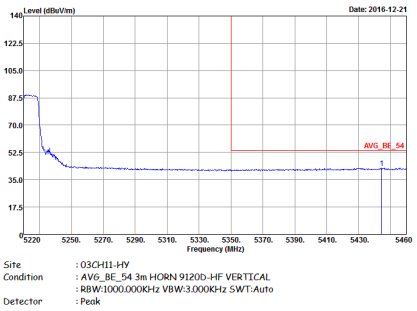
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

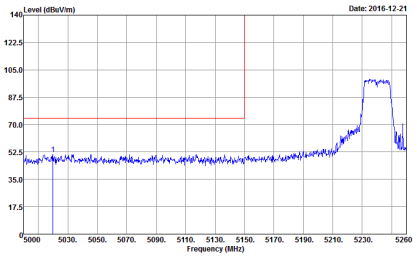
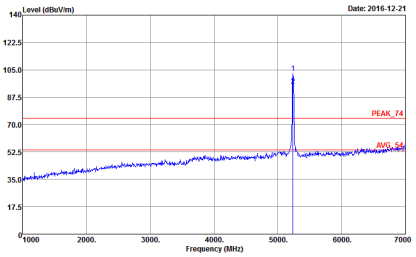
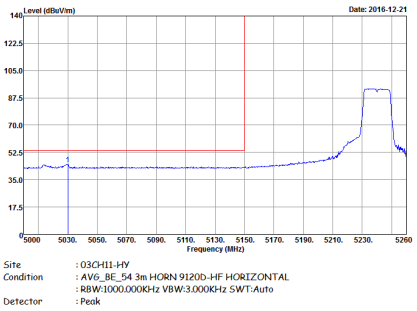
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

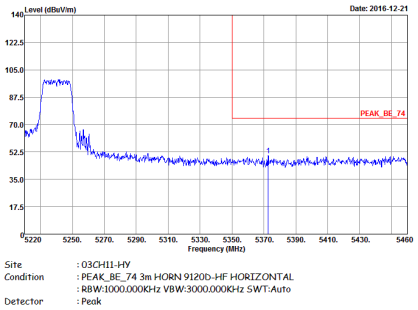
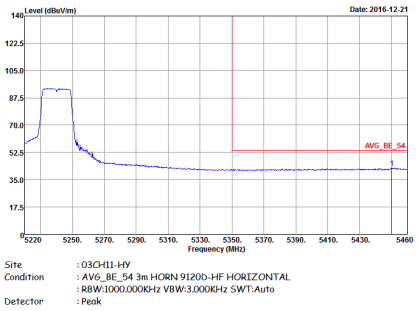
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	Left blank

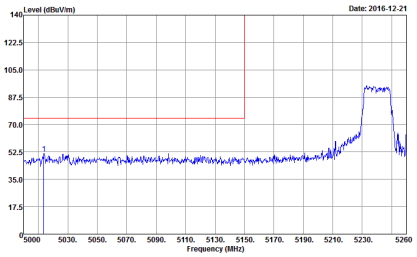
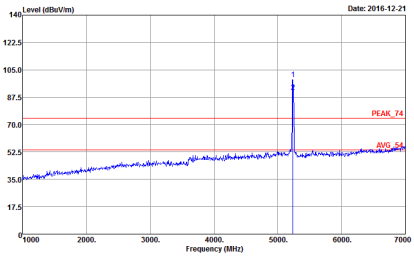
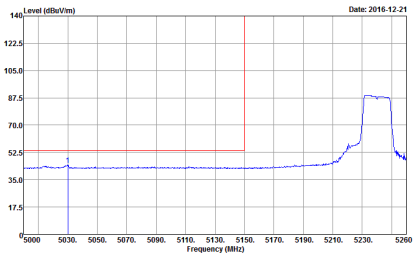
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

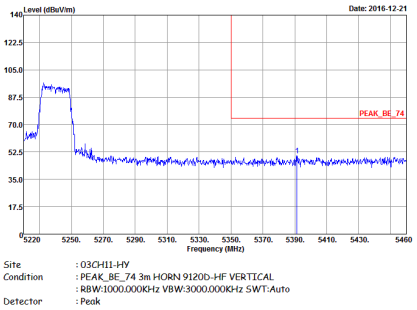
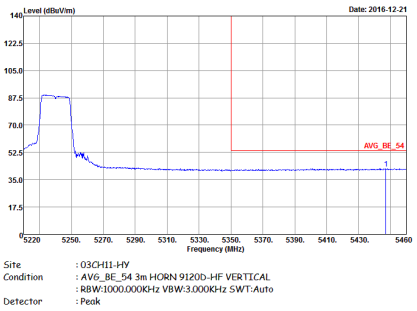
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

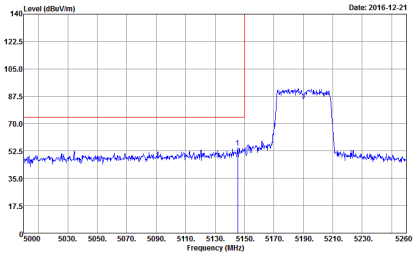
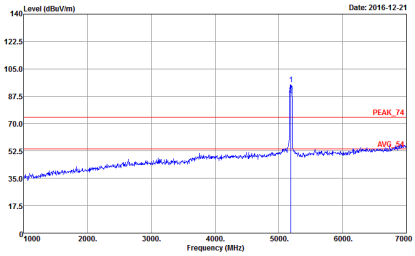
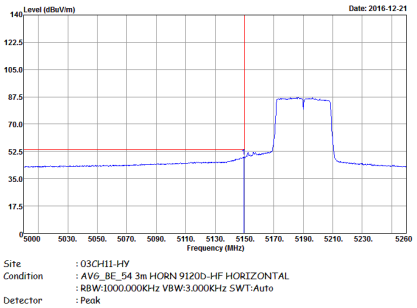
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

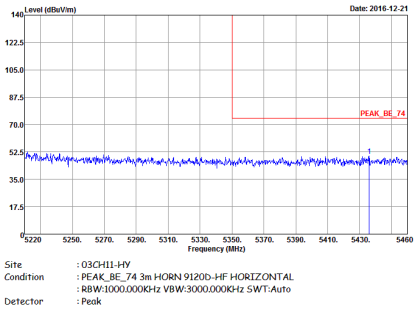
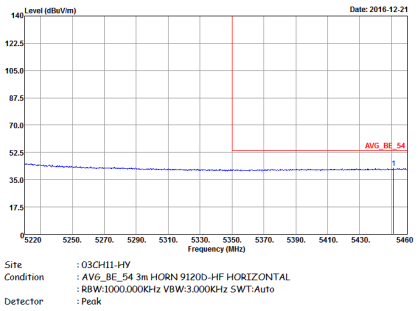
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	Left blank

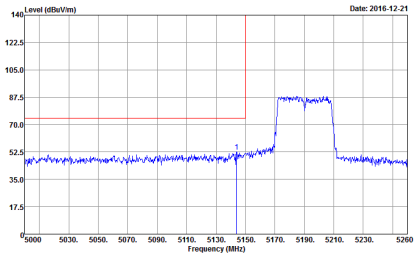
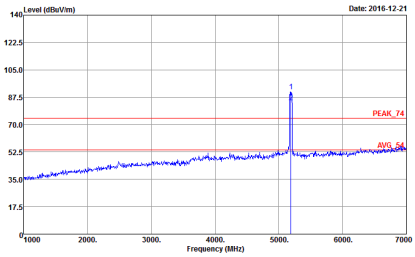
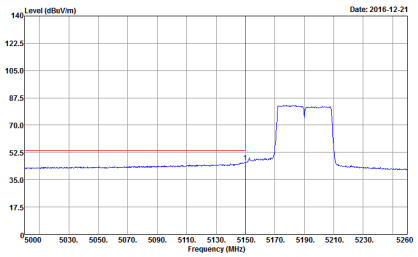
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

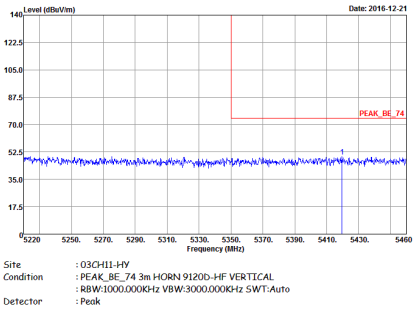
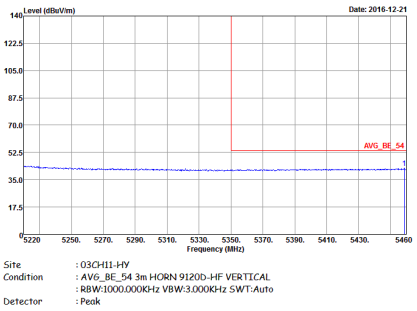
Band 1 5150~5250MHz

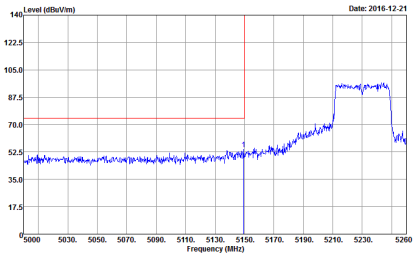
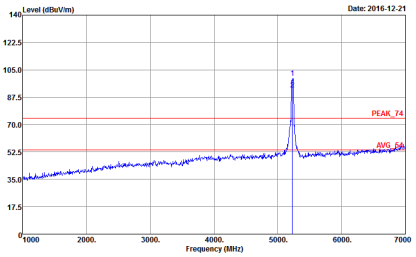
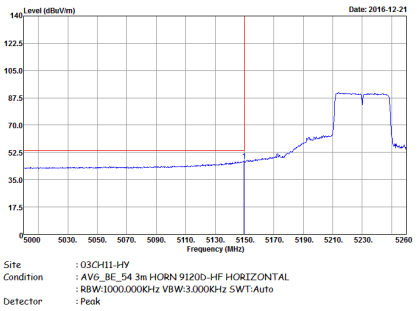
WIFI 802.11n HT40 (Band Edge @ 3m)

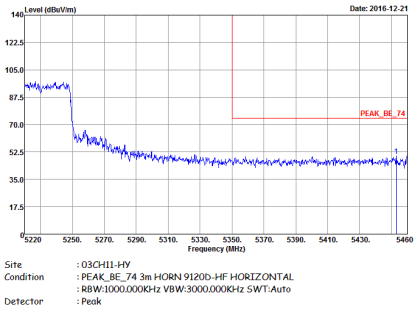
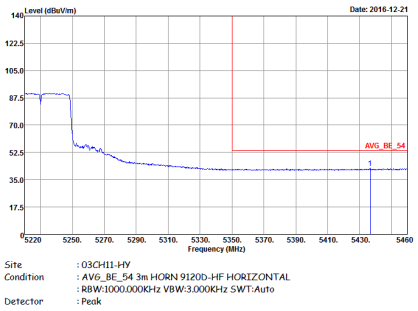
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

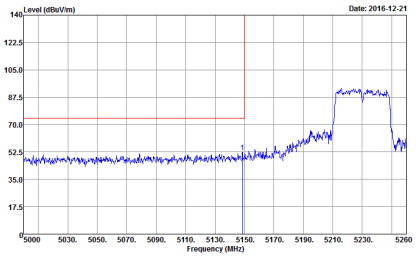
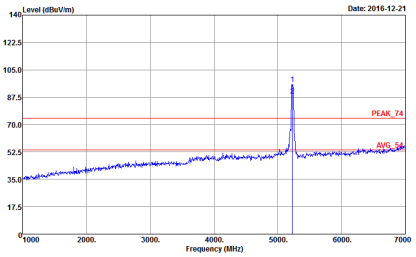
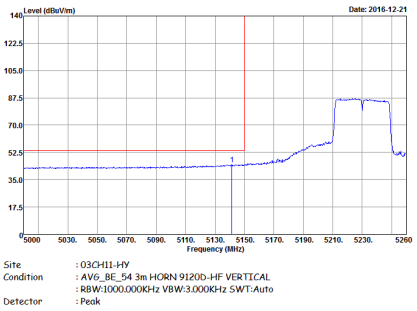
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

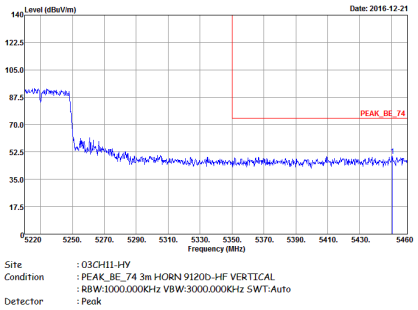
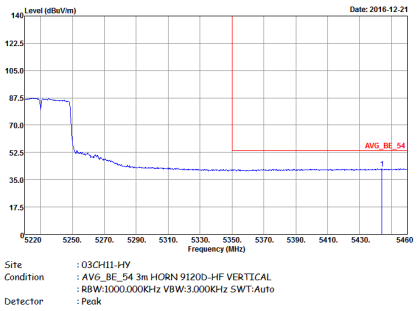
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	Left blank

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

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

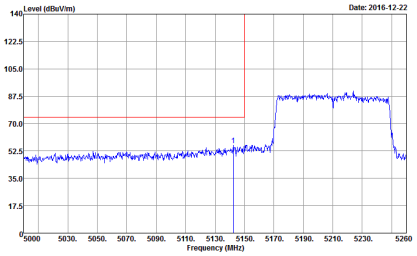
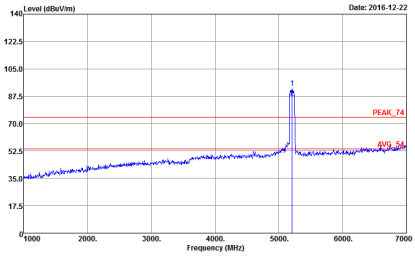
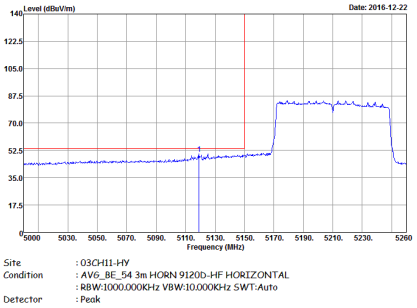
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

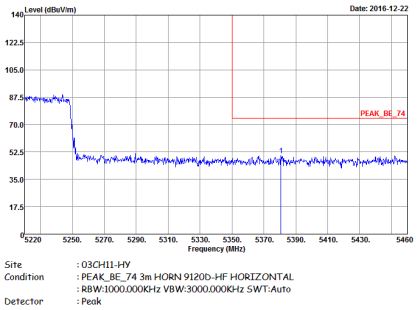
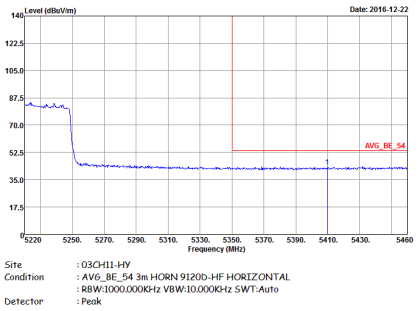
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

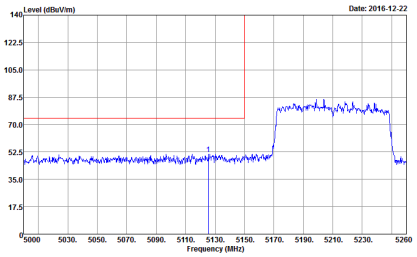
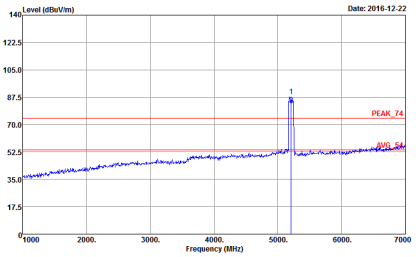
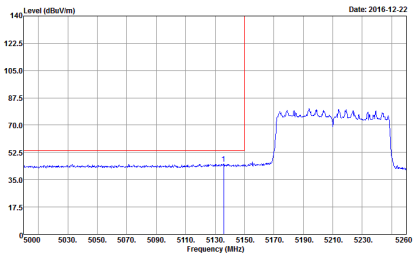
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

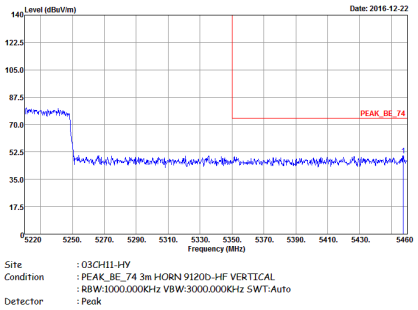
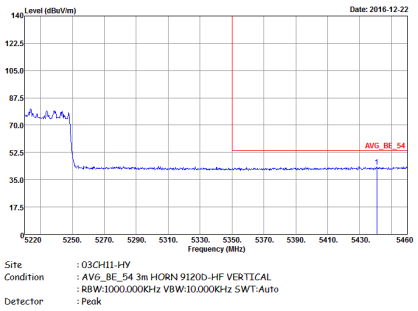
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

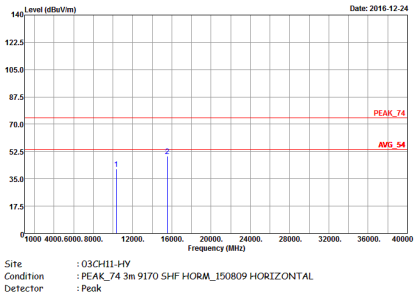
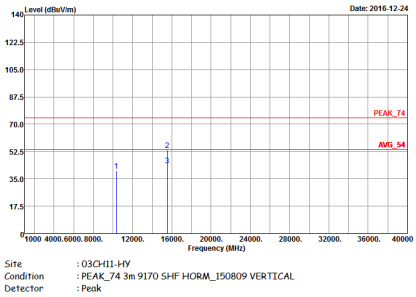
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

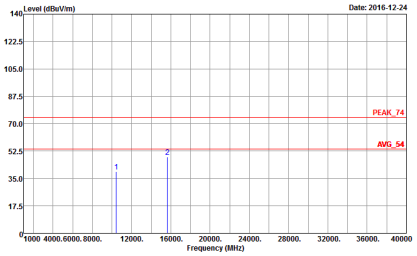
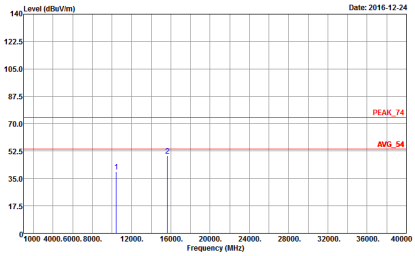
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak	Left blank

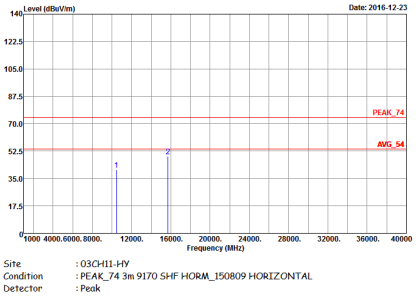
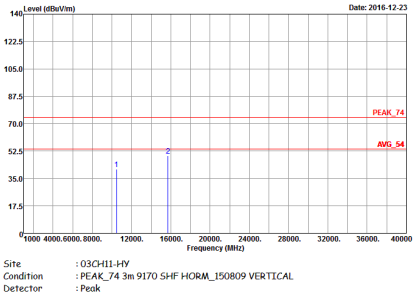
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

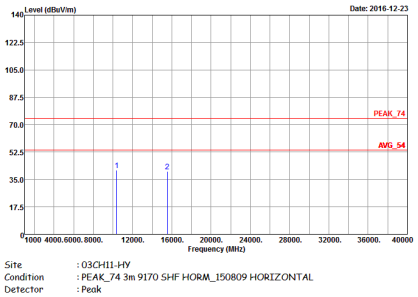
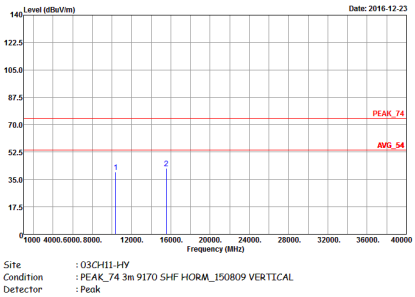
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

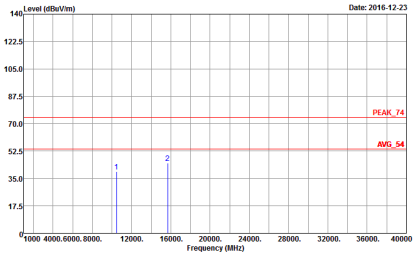
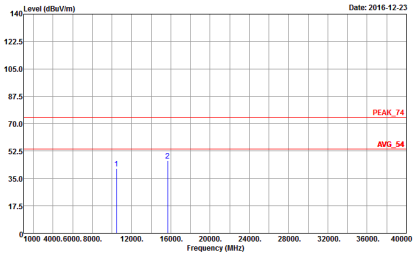
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

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

Band 1 5150~5250MHz

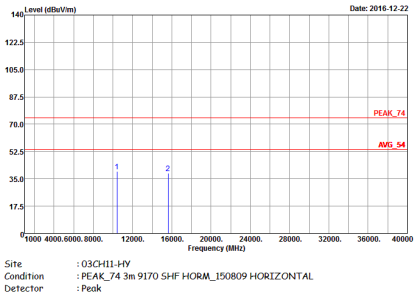
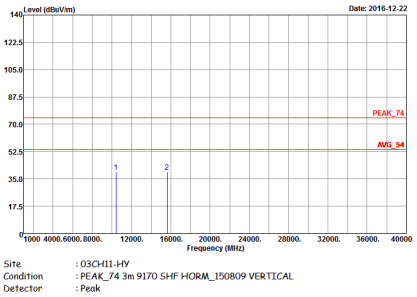
WIFI 802.11n HT40 (Harmonic @ 3m)

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

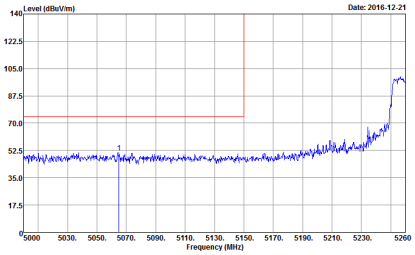
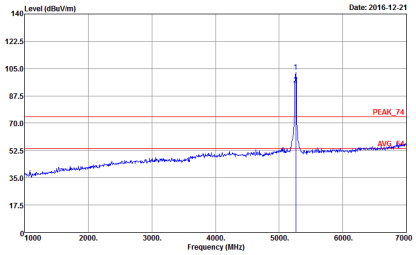
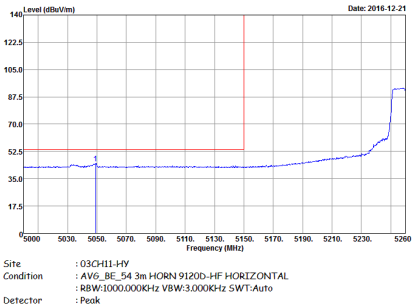
Band 1 5150~5250MHz

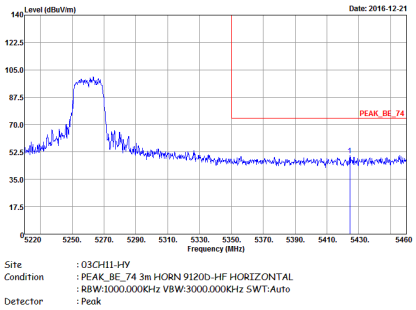
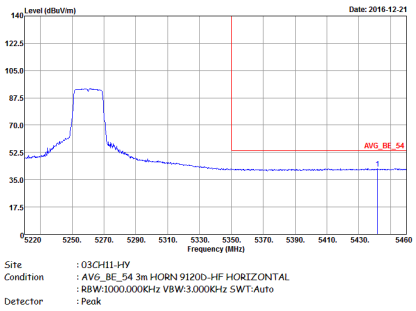
WIFI 802.11ac VHT80 (Harmonic @ 3m)

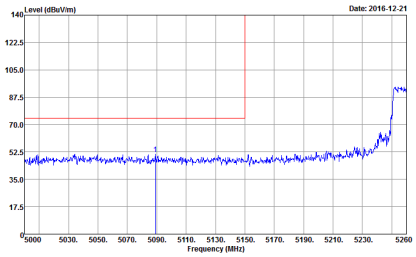
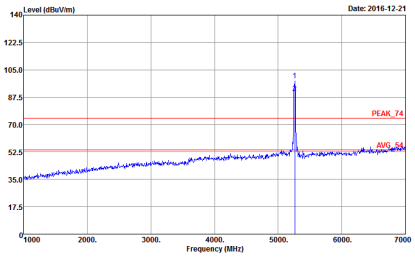
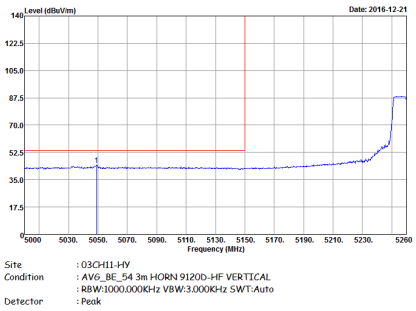
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

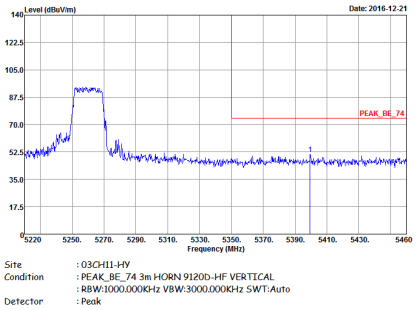
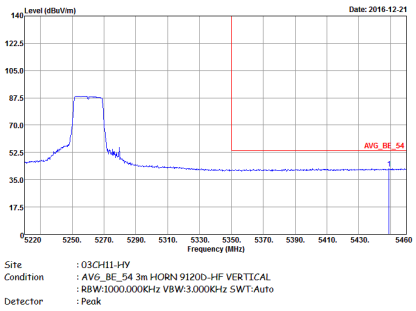
Band 2 - 5250~5350MHz

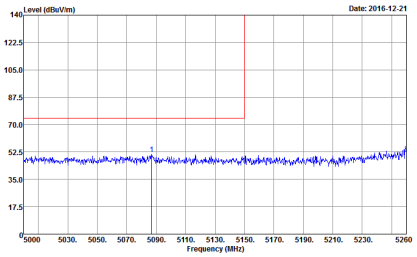
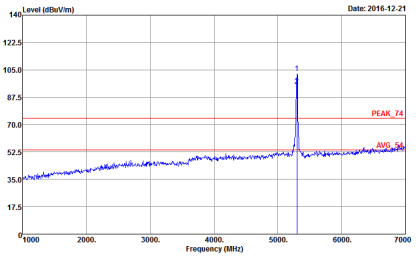
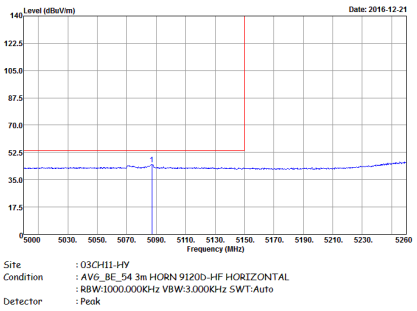
WIFI 802.11n HT20 (Band Edge @ 3m)

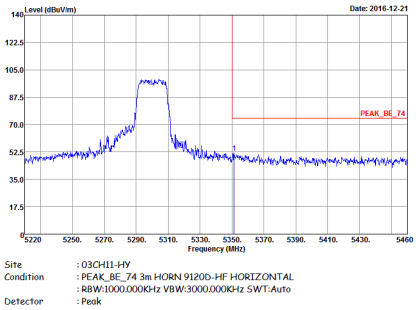
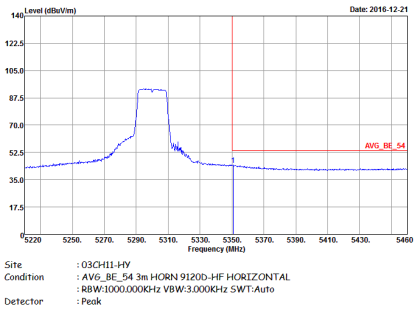
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

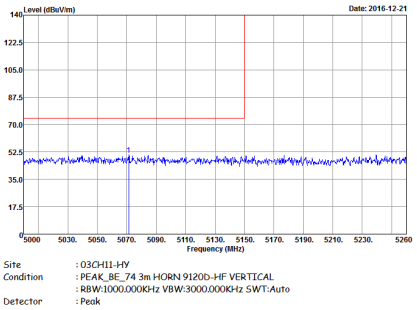
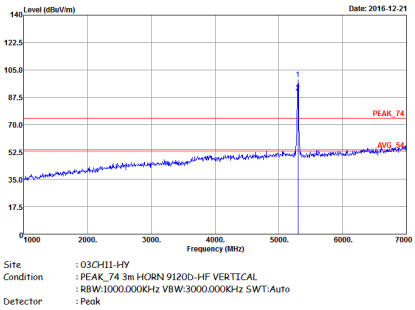
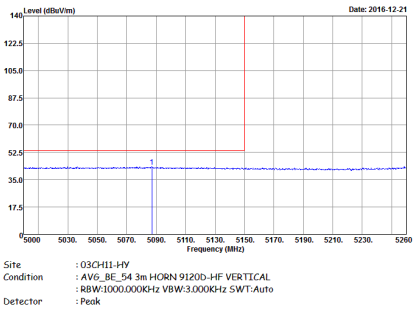
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

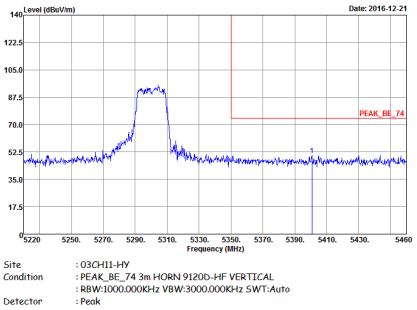
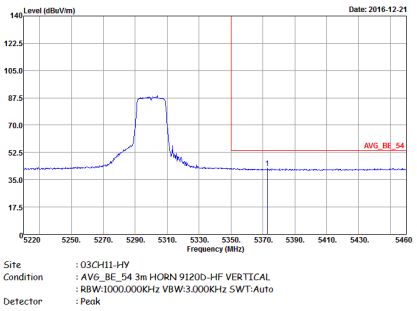
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

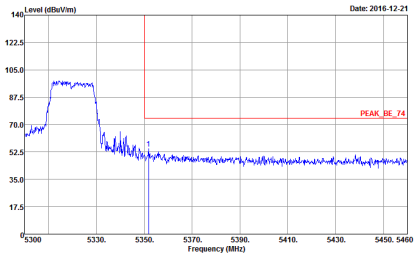
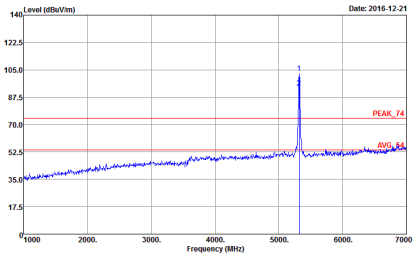
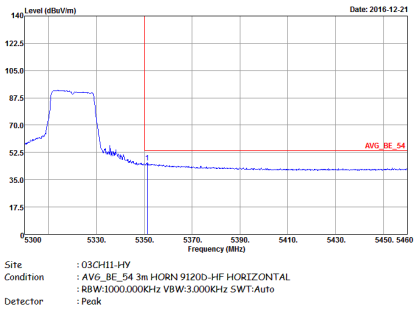
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

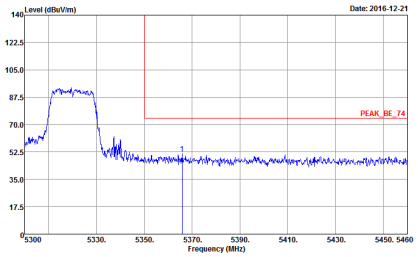
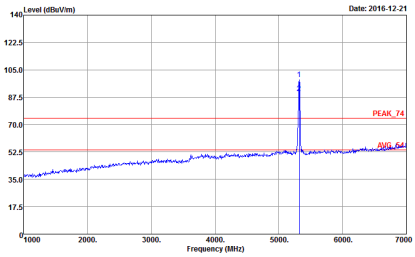
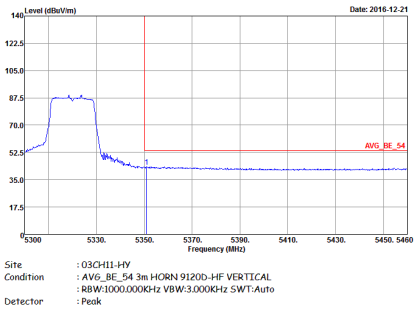
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

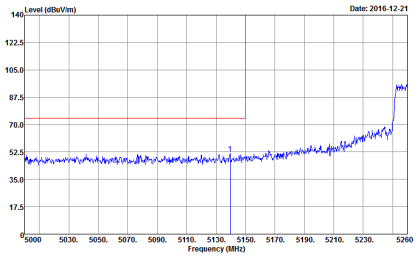
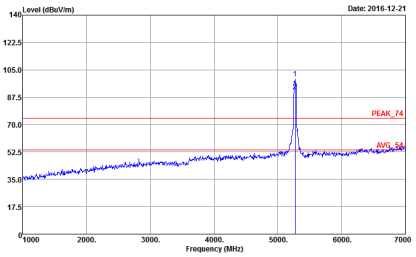
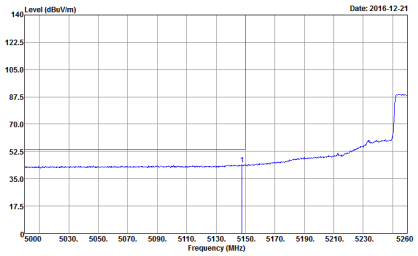
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

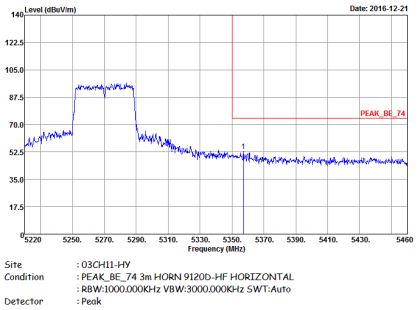
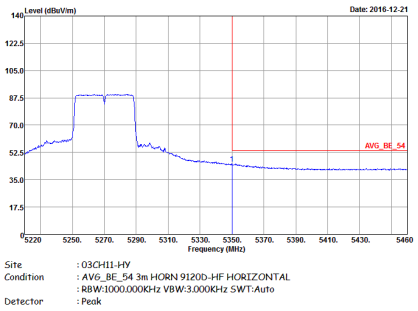
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

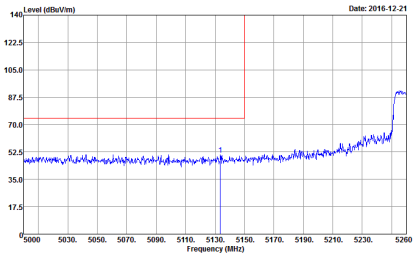
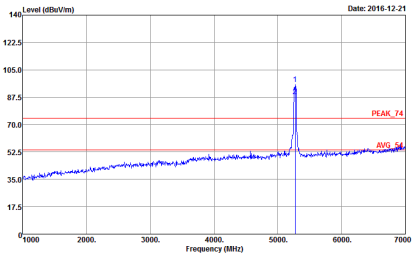
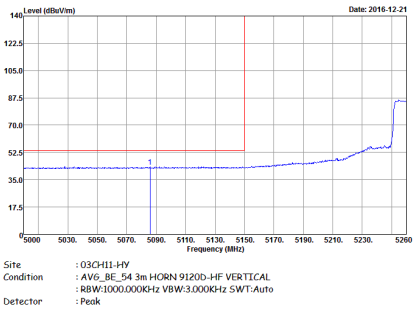
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

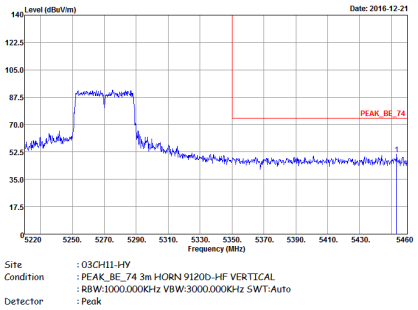
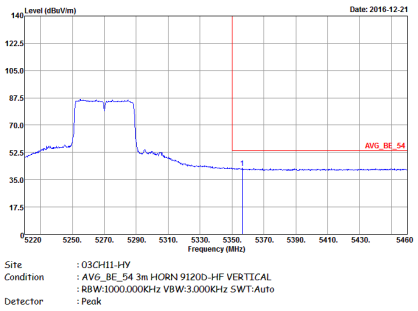
Band 2 5250~5350MHz

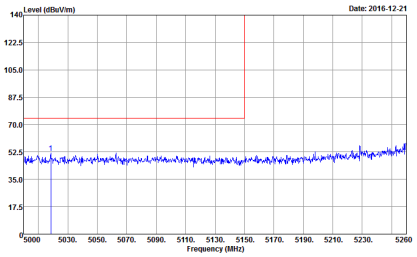
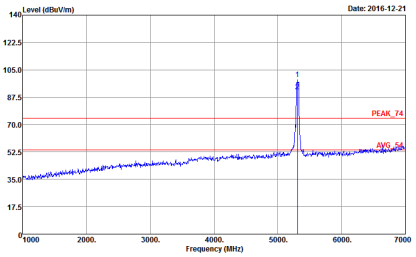
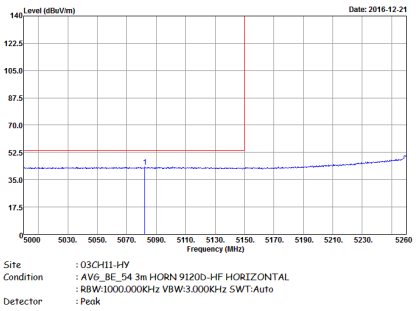
WIFI 802.11n HT40 (Band Edge @ 3m)

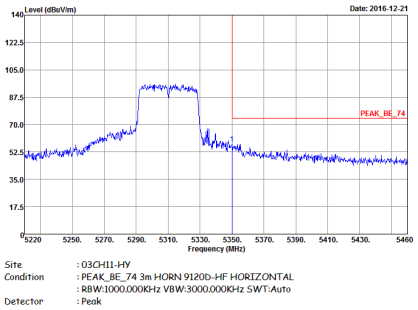
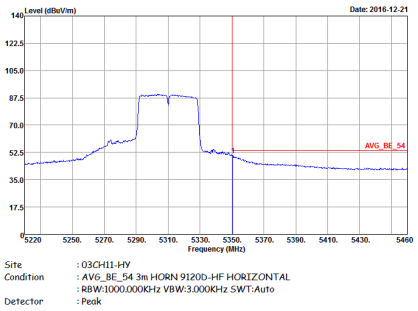
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

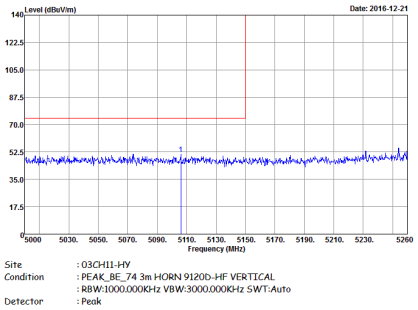
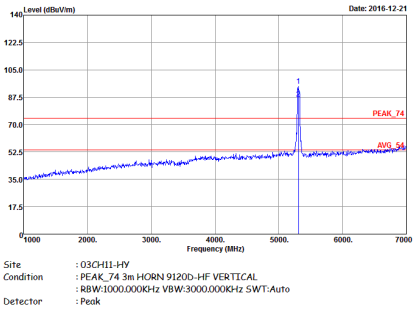
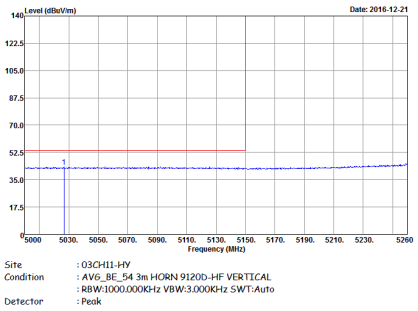
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

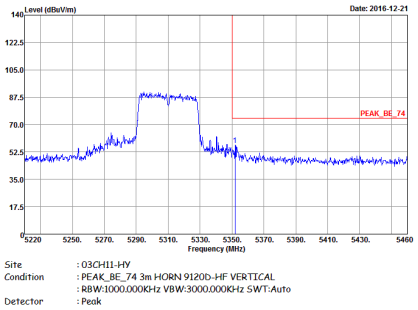
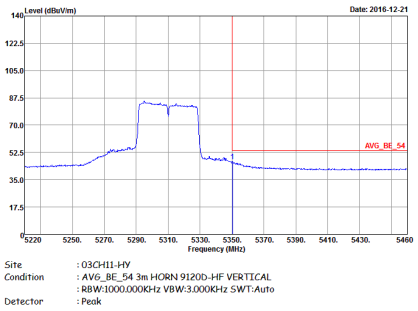
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Vertical	Vertical
Peak		
Avg.		Left blank

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

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

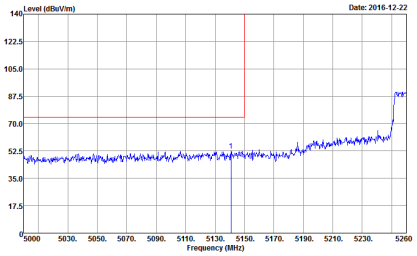
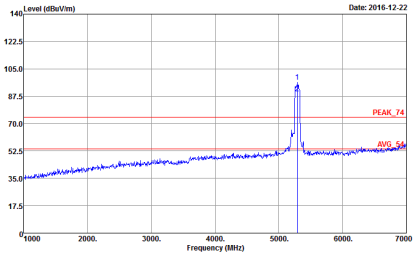
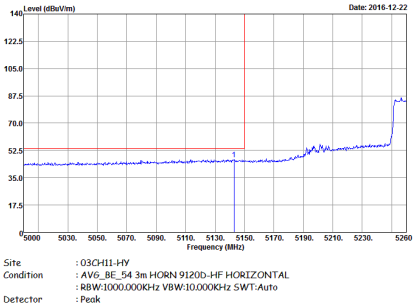
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

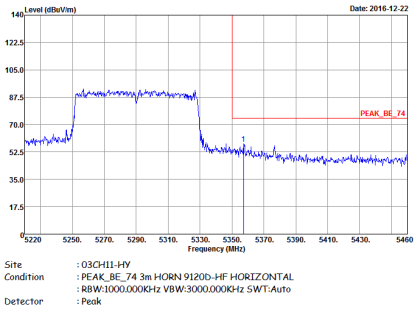
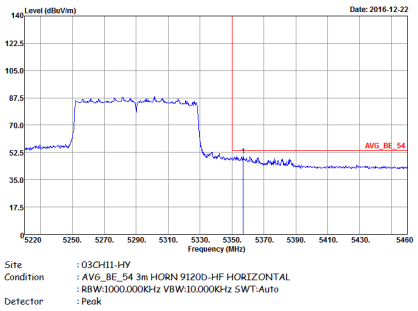
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

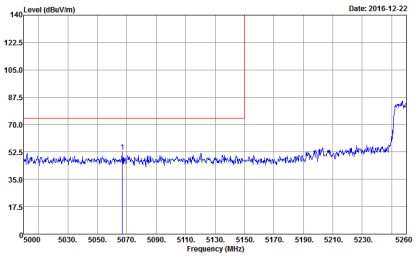
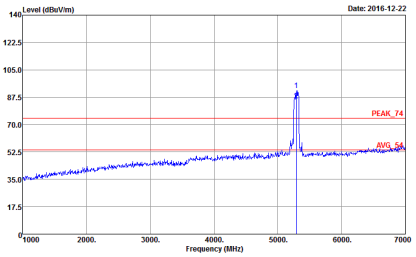
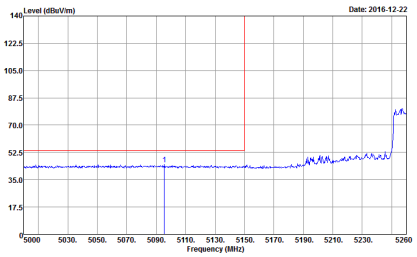
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

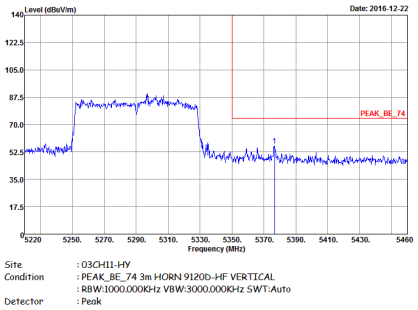
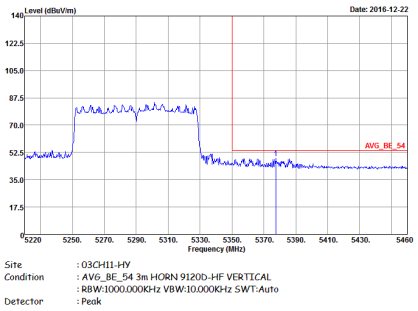
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

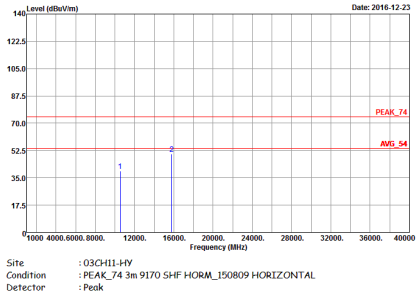
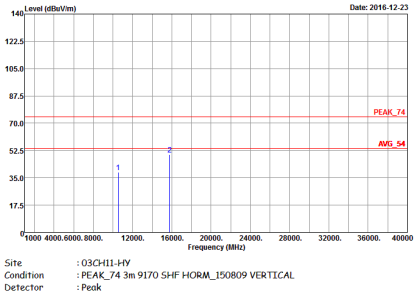
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

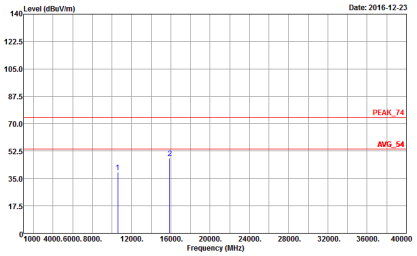
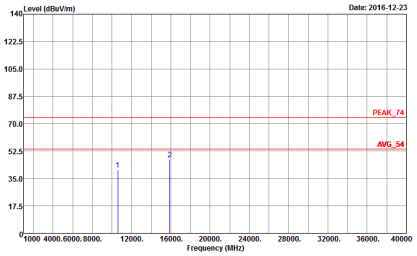
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak	Left blank

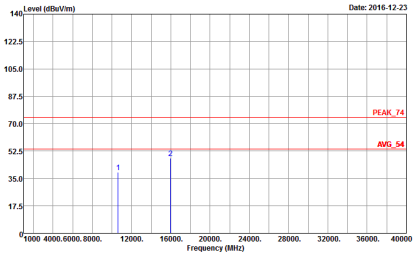
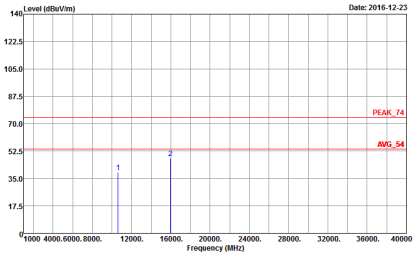
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

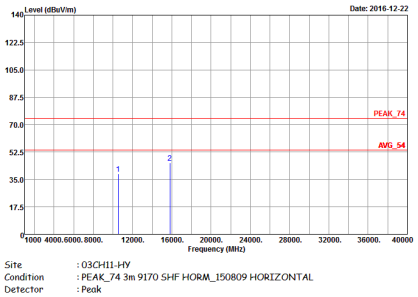
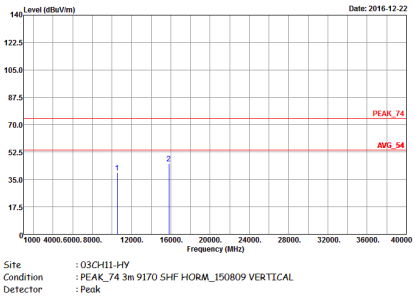
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

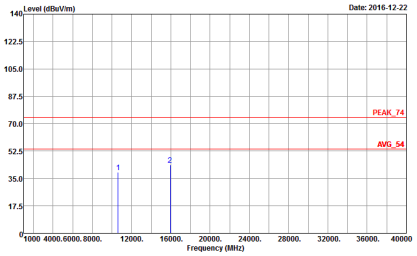
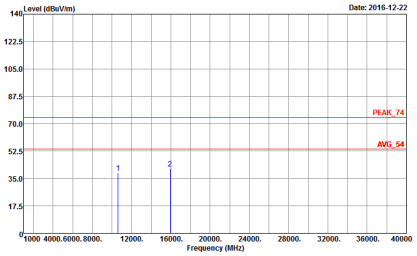
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

Band 2 5250~5350MHz

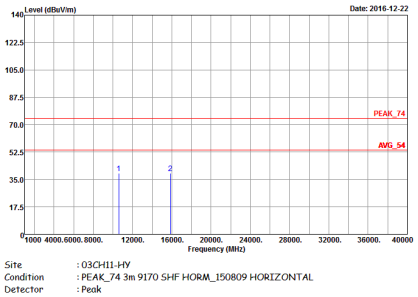
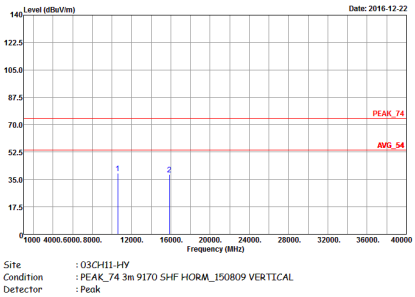
WIFI 802.11n HT40 (Harmonic @ 3m)

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

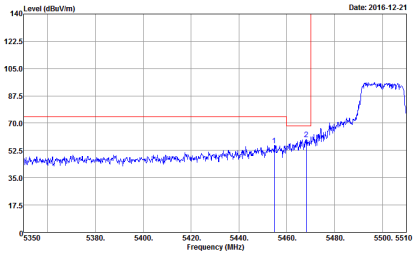
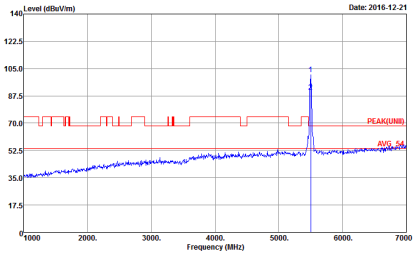
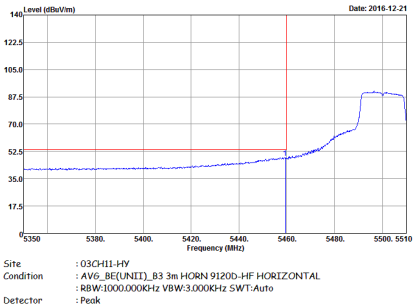
Band 2 5250~5350MHz

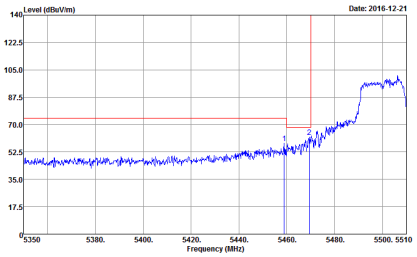
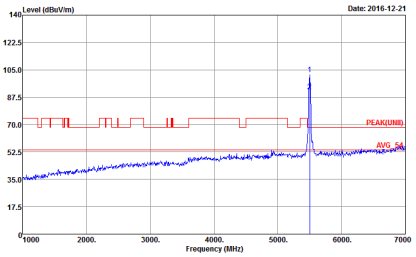
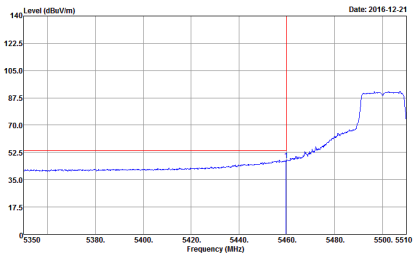
WIFI 802.11ac VHT80 (Harmonic @ 3m)

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII)_B3 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	Left blank