



FCC RF Test Report

APPLICANT : Ubiquiti Networks, Inc.
EQUIPMENT : Protect Cam
BRAND NAME : ULABS
MODEL NAME : AFi-VC
FCC ID : SWX-AFVC
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Aug. 13, 2016 and testing was completed on Sep. 28, 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.

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FCC ID : SWX-AFVC

Page Number : 1 of 30

Report Issued Date : May 16, 2017

Report Version : Rev. 02

Report Template No.: BU5-FR15EWL Version 1.4



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR681313-02C	Rev. 01	Initial issue of report	May 12, 2017
FR681313-02C	Rev. 02	Revising connection diagram of test system	May 16, 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	$\leq -17, -27$ dBm (depend on band) & 15.209(a)	Pass	Under limit 0.22 dB at 11160.000 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 4.50 dB at 0.494 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

Ubiquiti Networks, Inc.
2580 Orchard Parkway San Jose, CA 95131

1.2 Manufacturer

Ubiquiti Networks, Inc.
2580 Orchard Parkway San Jose, CA 95131

1.3 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n

Product Specification subjective to this standard	
Antenna Type	WLAN: Internal Antenna Bluetooth: Internal Antenna

1.4 Modification of EUT

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

1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW0007 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 1 st 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.	
	03CH12-HY	

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

1.6 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.
- ♦ ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency 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
	-	-		
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
	-	-		
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
	-	-	134*	5670
	108	5540	136	5680
	110*	5550	140	5700



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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	-	-	144	5720
	142*	5710		

Note: The above Frequency and Channel in "*" were 802.11n HT40.

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.

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

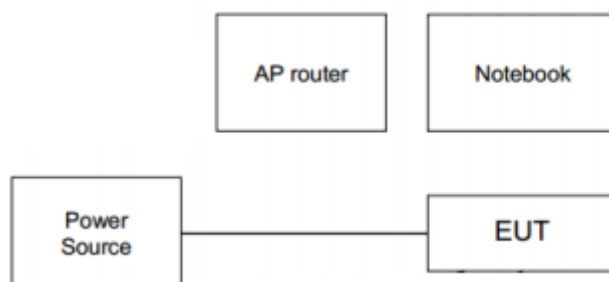
AC Conducted Emission	Mode 1 : WLAN Link + USB Cable (Charging from Adapter (Side)) + Recoding
------------------------------	--

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

For WLAN function, programmed RF utility, "Putty" 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, U-NII procedures and limits were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

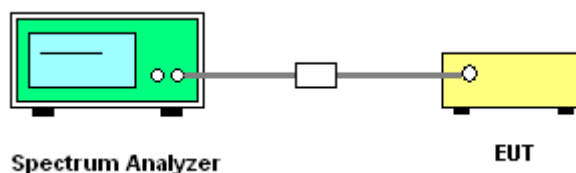
3.1.2 Measuring Instruments

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) $\geq 3 * \text{RBW}$.
8. Measure and record the results in the test report.

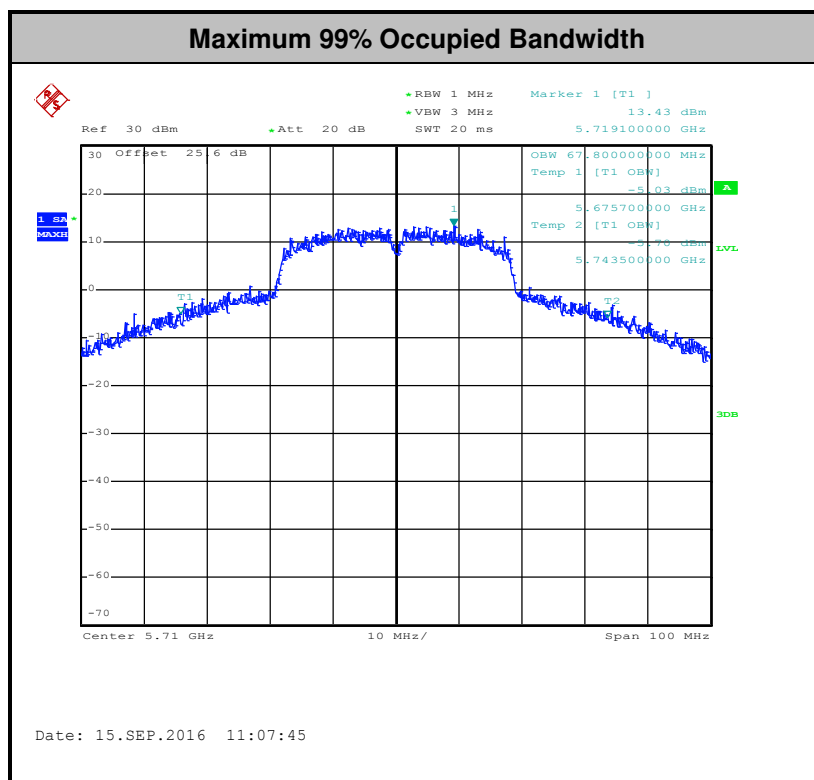
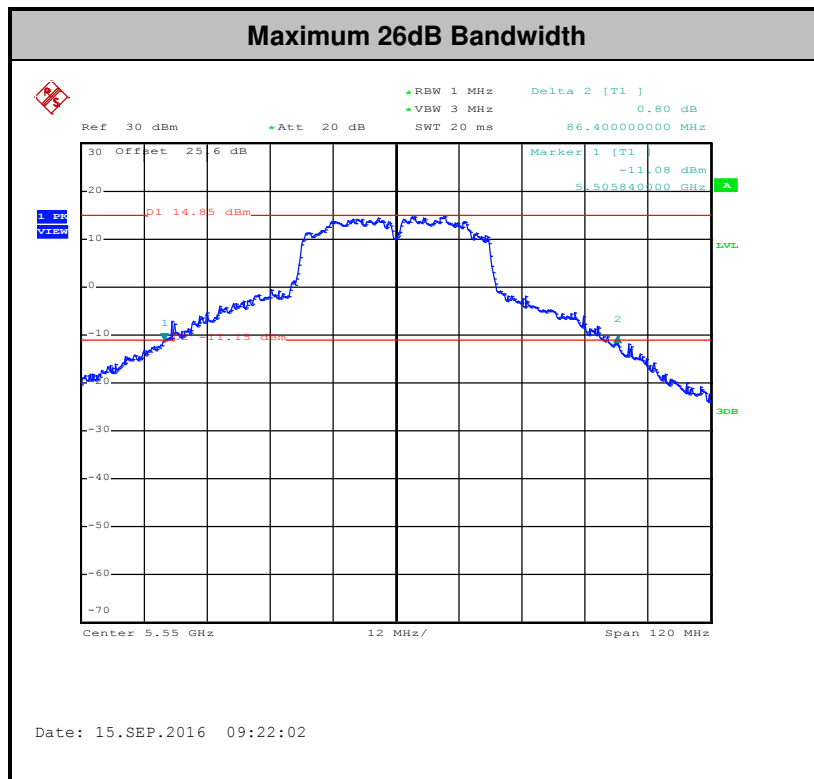
3.1.4 Test Setup





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

Please refer to Appendix A.





3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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 $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, U-NII procedures and limits were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

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):

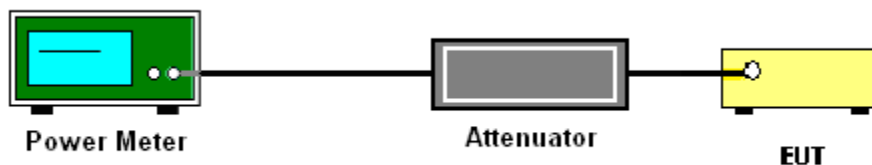
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x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

For straddle channel, the testing follows Method SA-3 (RMS detection with max hold) of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.

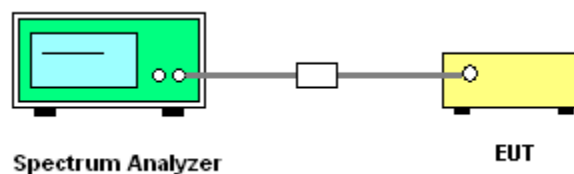
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

3.2.4 Test Setup

For normal channel:



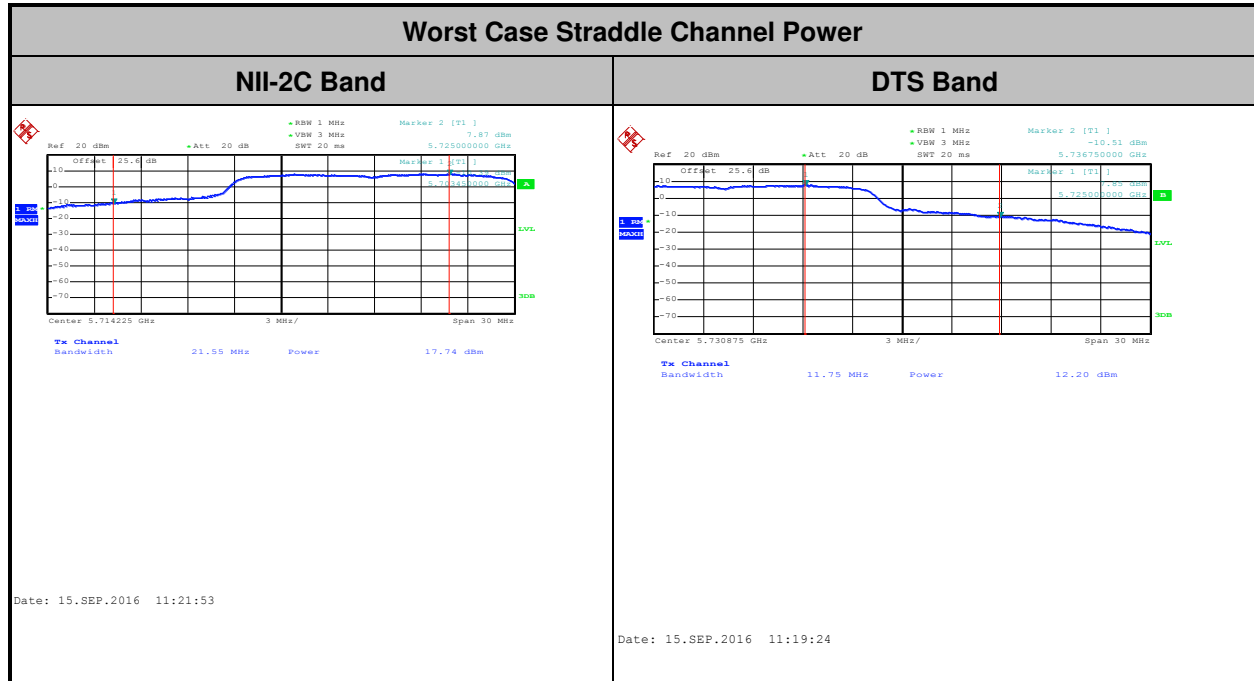
For straddle channel:





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

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.

For Straddle Channel, U-NII procedures and limits were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

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.

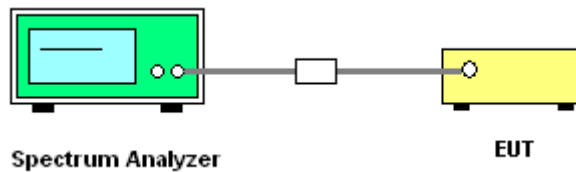
Method SA-2

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

1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.
 - Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 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.

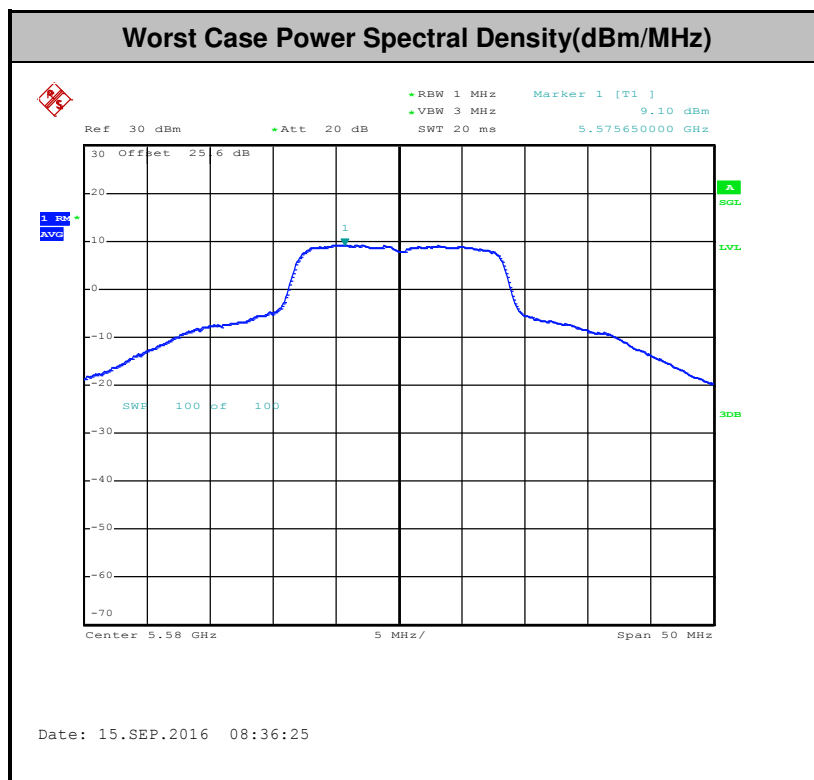
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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

3.4 Unwanted Radiated Emission Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

For transmitters operating in the 5470-5725MHz band: all emissions outside of the 5470-5725MHz 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.

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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
-17	78.3
- 27	68.3

(3) KDB789033 D02 v01r03 G)2)c)

- (i) Section 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and 2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, an out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz dBm/MHz peak emission limit.
- (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative 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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

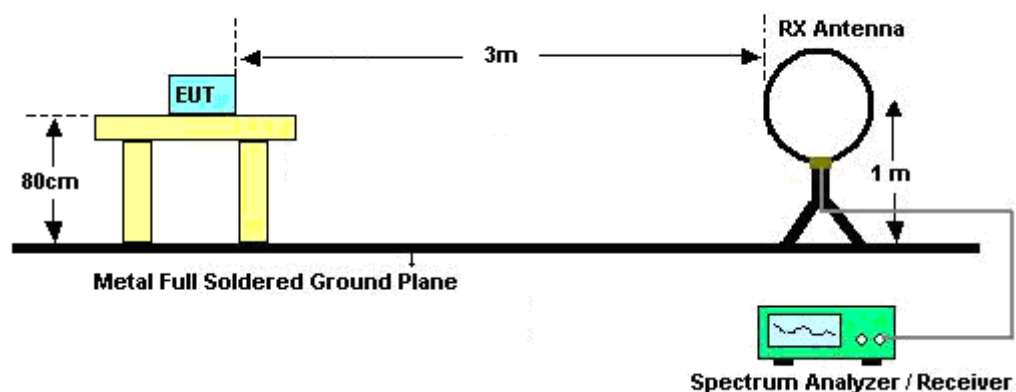
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

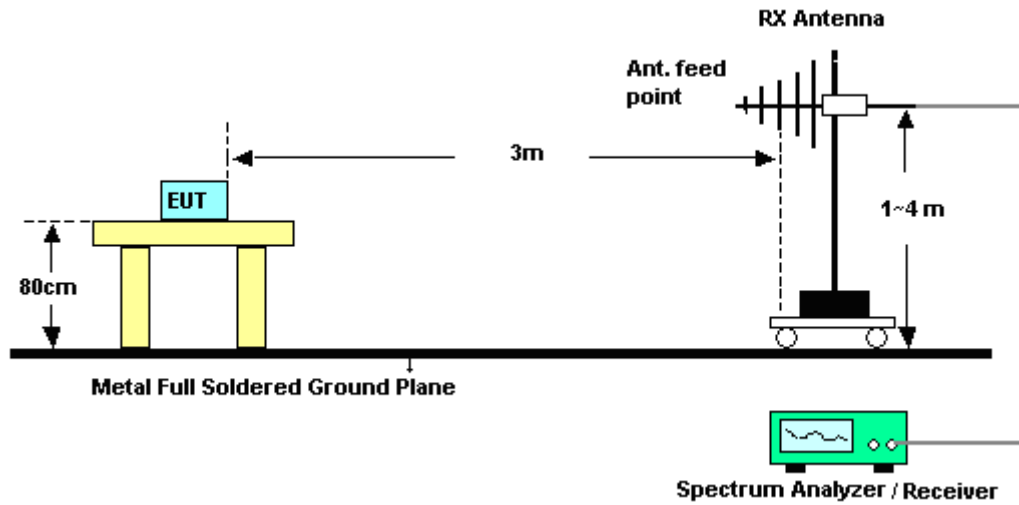
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

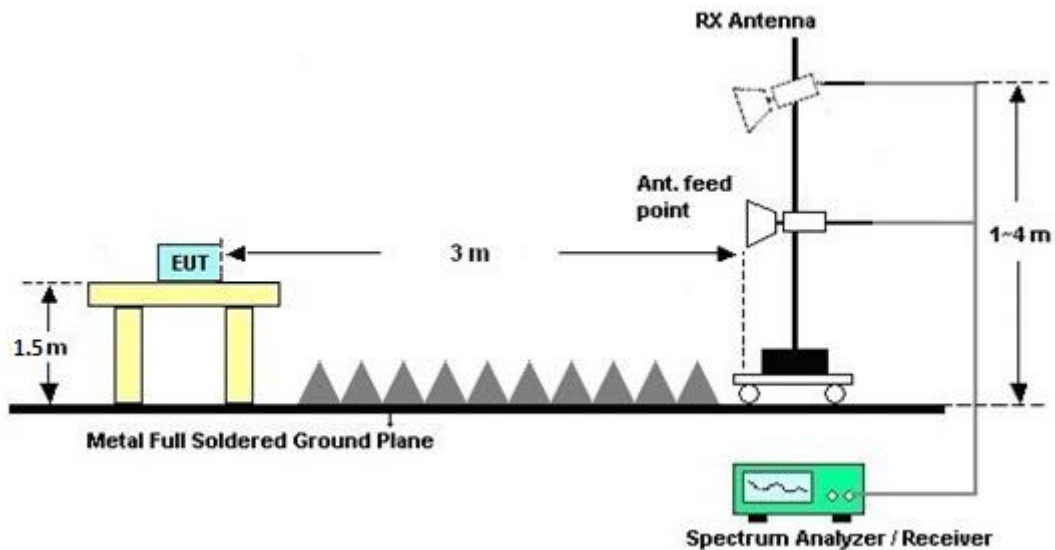
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.



3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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.

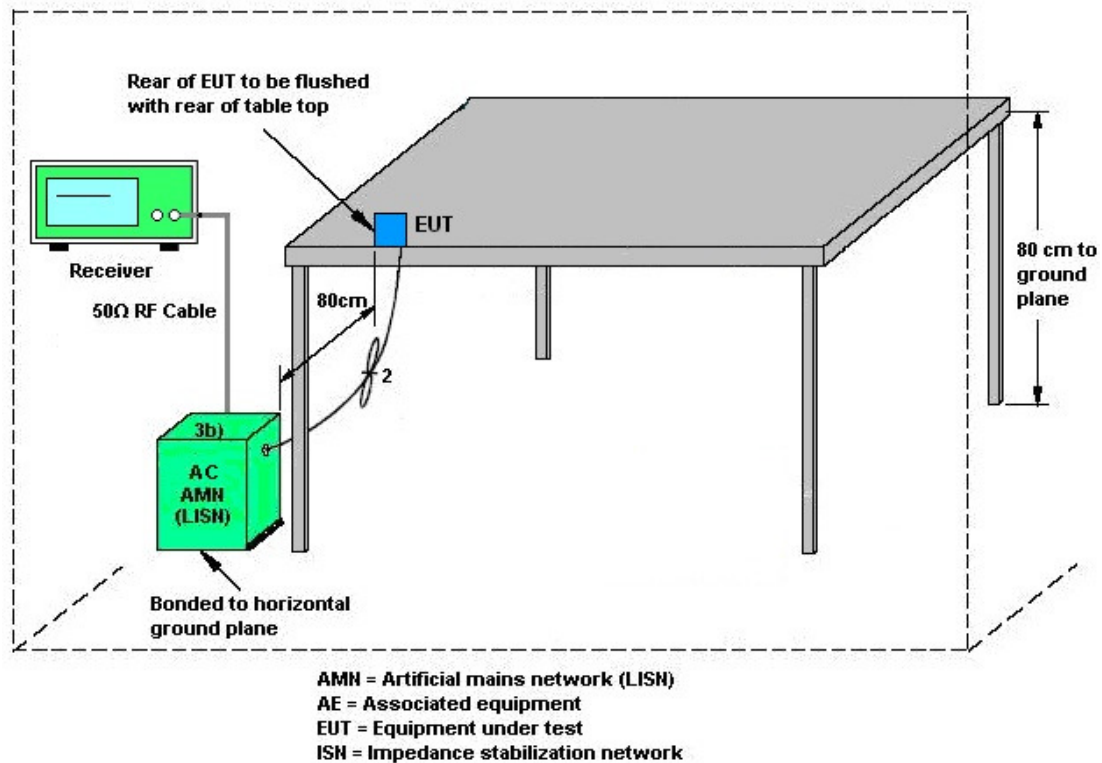
3.5.2 Measuring Instruments

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

Please refer to Appendix B.

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.

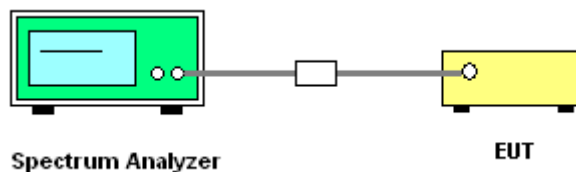
3.6.2 Measuring Instruments

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

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

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



4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1218006	300MHz~40GHz	Oct. 07, 2015	Aug. 18, 2016 ~ Sep. 15, 2016	Oct. 06, 2016	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~40GHz	Oct. 07, 2015	Aug. 18, 2016 ~ Sep. 15, 2016	Oct. 06, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 23, 2015	Aug. 18, 2016 ~ Sep. 15, 2016	Nov. 22, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 08, 2015	Aug. 18, 2016 ~ Sep. 01, 2016	Sep. 07, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 01, 2016	Sep. 02, 2016 ~ Sep. 15, 2016	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	GEO821763	N/A	Nov. 13, 2015	Aug. 18, 2016 ~ Sep. 15, 2016	Nov. 12, 2016	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 15, 2016 ~ Sep. 28, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Sep. 15, 2016 ~ Sep. 28, 2016	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Sep. 15, 2016 ~ Sep. 28, 2016	Dec. 01, 2016	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Sep. 08, 2016 ~ Sep. 13, 2016	Sep. 01, 2017	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D	37059	30MHz~1GHz	Dec. 29, 2015	Sep. 08, 2016 ~ Sep. 13, 2016	Dec. 28, 2016	Radiation (03CH12-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 21, 2015	Sep. 08, 2016 ~ Sep. 13, 2016	Dec. 20, 2016	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Nov. 02, 2015	Sep. 08, 2016 ~ Sep. 13, 2016	Nov. 01, 2016	Radiation (03CH12-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1815698	1GHz~18GHz	Dec. 14, 2015	Sep. 08, 2016 ~ Sep. 13, 2016	Dec. 13, 2016	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY53270148	1GHz~26.5GHz	Jan. 30, 2016	Sep. 08, 2016 ~ Sep. 13, 2016	Jan. 29, 2017	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Sep. 08, 2016 ~ Sep. 13, 2016	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Sep. 08, 2016 ~ Sep. 13, 2016	N/A	Radiation (03CH12-HY)
Preamplifier	MITEQ	JS44-1800400 0-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Sep. 08, 2016 ~ Sep. 13, 2016	Jun. 13, 2017	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917058 4	18GHz- 40GHz	Nov. 02, 2015	Sep. 08, 2016 ~ Sep. 13, 2016	Nov. 01, 2016	Radiation (03CH12-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
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7
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Appendix A. Conducted Test Results

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2016/08/18 ~ 2016/09/15	Relative Humidity:	51~54	%

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)		
11a	6Mbps	1	36	5180	17.50	31.20	-	22.43		
11a	6Mbps	1	44	5220	31.75	55.84	-	23.01		
11a	6Mbps	1	48	5240	32.85	56.48	-	23.01		
HT20	MCS0	1	36	5180	19.20	38.24	-	22.83		
HT20	MCS0	1	44	5220	31.85	51.20	-	23.01		
HT20	MCS0	1	48	5240	34.15	58.77	-	23.01		
HT40	MCS0	1	38	5190	36.10	43.26	-	23.01		
HT40	MCS0	1	46	5230	47.30	78.24	-	23.01		

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
11a	6Mbps	1	36	5180	0.08	15.33	24.00	3.00		Pass
11a	6Mbps	1	44	5220	0.08	21.03	24.00	3.00		Pass
11a	6Mbps	1	48	5240	0.08	21.02	24.00	3.00		Pass
HT20	MCS0	1	36	5180	0.09	16.55	24.00	3.00		Pass
HT20	MCS0	1	44	5220	0.09	20.74	24.00	3.00		Pass
HT20	MCS0	1	48	5240	0.09	21.04	24.00	3.00		Pass
HT40	MCS0	1	38	5190	0.18	11.63	24.00	3.00		Pass
HT40	MCS0	1	46	5230	0.18	19.13	24.00	3.00		Pass

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
11a	6Mbps	1	36	5180	0.08	3.17	11.00	3.00		Pass
11a	6Mbps	1	44	5220	0.08	8.56	11.00	3.00		Pass
11a	6Mbps	1	48	5240	0.08	8.92	11.00	3.00		Pass
HT20	MCS0	1	36	5180	0.09	4.13	11.00	3.00		Pass
HT20	MCS0	1	44	5220	0.09	8.57	11.00	3.00		Pass
HT20	MCS0	1	48	5240	0.09	8.50	11.00	3.00		Pass
HT40	MCS0	1	38	5190	0.18	-2.93	11.00	3.00		Pass
HT40	MCS0	1	46	5230	0.18	4.74	11.00	3.00		Pass

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
11a	6M bps	1	52	5260	32.70	57.12	23.98	30.00	23.98	
11a	6M bps	1	60	5300	26.70	46.08	23.98	30.00	23.98	
11a	6M bps	1	64	5320	18.00	35.62	23.55	29.55	23.98	
HT20	MCS 0	1	52	5260	34.95	56.24	23.98	30.00	23.98	
HT20	MCS 0	1	60	5300	27.85	49.28	23.98	30.00	23.98	
HT20	MCS 0	1	64	5320	18.55	32.80	23.68	29.68	23.98	
HT40	MCS 0	1	54	5270	40.90	76.32	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.00	43.80	23.98	30.00	23.98	

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
11a	6M bps	1	52	5260	0.08	20.91	23.98	3.00	26.99	Pass
11a	6M bps	1	60	5300	0.08	18.87	23.98	3.00	26.99	Pass
11a	6M bps	1	64	5320	0.08	14.87	23.98	3.00	26.99	Pass
HT20	MCS 0	1	52	5260	0.09	20.90	23.98	3.00	26.99	Pass
HT20	MCS 0	1	60	5300	0.09	19.04	23.98	3.00	26.99	Pass
HT20	MCS 0	1	64	5320	0.09	13.94	23.98	3.00	26.99	Pass
HT40	MCS 0	1	54	5270	0.18	17.83	23.98	3.00	26.99	Pass
HT40	MCS 0	1	62	5310	0.18	9.63	23.98	3.00	26.99	Pass

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
11a	6M bps	1	52	5260	0.08	9.07	11.00	3.00		Pass
11a	6M bps	1	60	5300	0.08	7.01	11.00	3.00		Pass
11a	6M bps	1	64	5320	0.08	3.03	11.00	3.00		Pass
HT20	MCS 0	1	52	5260	0.09	8.88	11.00	3.00		Pass
HT20	MCS 0	1	60	5300	0.09	6.86	11.00	3.00		Pass
HT20	MCS 0	1	64	5320	0.09	1.79	11.00	3.00		Pass
HT40	MCS 0	1	54	5270	0.18	3.47	11.00	3.00		Pass
HT40	MCS 0	1	62	5310	0.18	-5.01	11.00	3.00		Pass

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
11a	6M bps	1	100	5500	18.50	37.40	23.67	29.67	23.98	
11a	6M bps	1	116	5580	32.40	54.23	23.98	30.00	23.98	
11a	6M bps	1	140	5700	17.90	34.24	23.53	29.53	23.98	
HT20	MCS 0	1	100	5500	19.80	43.04	23.97	29.97	23.98	
HT20	MCS 0	1	116	5580	34.90	54.88	23.98	30.00	23.98	
HT20	MCS 0	1	140	5700	18.50	26.46	23.67	29.67	23.98	
HT40	MCS 0	1	102	5510	36.10	45.12	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	54.40	86.40	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	38.20	73.08	23.98	30.00	23.98	

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
11a	6M bps	1	100	5500	0.08	15.51	23.98	3.00	26.99	Pass
11a	6M bps	1	116	5580	0.08	20.57	23.98	3.00	26.99	Pass
11a	6M bps	1	140	5700	0.08	13.64	23.98	3.00	26.99	Pass
HT20	MCS 0	1	100	5500	0.09	16.01	23.98	3.00	26.99	Pass
HT20	MCS 0	1	116	5580	0.09	20.24	23.98	3.00	26.99	Pass
HT20	MCS 0	1	140	5700	0.09	12.28	23.98	3.00	26.99	Pass
HT40	MCS 0	1	102	5510	0.18	12.37	23.98	3.00	26.99	Pass
HT40	MCS 0	1	110	5550	0.18	18.67	23.98	3.00	26.99	Pass
HT40	MCS 0	1	134	5670	0.18	16.37	23.98	3.00	26.99	Pass

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
11a	6M bps	1	100	5500	0.08	4.51	11.00	3.00		Pass
11a	6M bps	1	116	5580	0.08	9.18	11.00	3.00		Pass
11a	6M bps	1	140	5700	0.08	1.45	11.00	3.00		Pass
HT20	MCS 0	1	100	5500	0.09	4.87	11.00	3.00		Pass
HT20	MCS 0	1	116	5580	0.09	8.86	11.00	3.00		Pass
HT20	MCS 0	1	140	5700	0.09	0.03	11.00	3.00		Pass
HT40	MCS 0	1	102	5510	0.18	-1.28	11.00	3.00		Pass
HT40	MCS 0	1	110	5550	0.18	5.42	11.00	3.00		Pass
HT40	MCS 0	1	134	5670	0.18	1.51	11.00	3.00		Pass

TEST RESULTS DATA
26dB and 99% OBW

Straddle Channel										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	Emission Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6Mbps	1	144	5720	32.15	35.77	-	-	-	
				NII-2C	20.9	32.89	23.98	30.00	23.98	
				NII-3	11.25	2.88	30.00	36.02	-	
HT20	MCS0	1	144	5720	33.30	34.32	-	-	-	
				NII-2C	21.55	30.44	23.98	30.00	23.98	
				NII-3	11.75	3.88	30.00	36.02	-	
HT40	MCS0	1	142	5710	67.80	67.92	-	-	-	
				NII-2C	49.3	66.6	23.98	30.00	23.98	
				NII-3	18.5	1.32	30.00	36.02	-	

TEST RESULTS DATA
Average Power Table

FCC Straddle Channel										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	144	5720	0.08	18.47	-	3.00		Pass
				NII-2C	0.08	17.46	23.98	3.00		Pass
				NII-3	0.08	11.62	30.00	3.00		Pass
HT20	MCS0	1	144	5720	0.09	18.81	-	3.00		Pass
				NII-2C	0.09	17.74	23.98	3.00		Pass
				NII-3	0.09	12.20	30.00	3.00		Pass
HT40	MCS0	1	142	5710	0.18	18.63	-	3.00		Pass
				NII-2C	0.18	18.34	23.98	3.00		Pass
				NII-3	0.18	6.71	30.00	3.00		Pass

TEST RESULTS DATA
Power Spectral Density

Straddle Channel										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6Mbps	1	144	NII-2C	0.08	6.80	11.00	3.00		Pass
				NII-3	0.08	6.80	30.00	3.00		Pass
HT20	MCS0	1	144	NII-2C	0.09	6.42	11.00	3.00		Pass
				NII-3	0.09	6.42	30.00	3.00		Pass
HT40	MCS0	1	142	NII-2C	0.18	4.41	11.00	3.00		Pass
				NII-3	0.18	4.41	30.00	3.00		Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	50	5	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	5	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	5.25	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	4.75	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	5	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	50	5	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	-30	5	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	5.25	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	4.75	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	5	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	50	5	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	-30	5	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	5.25	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	4.75	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	5	



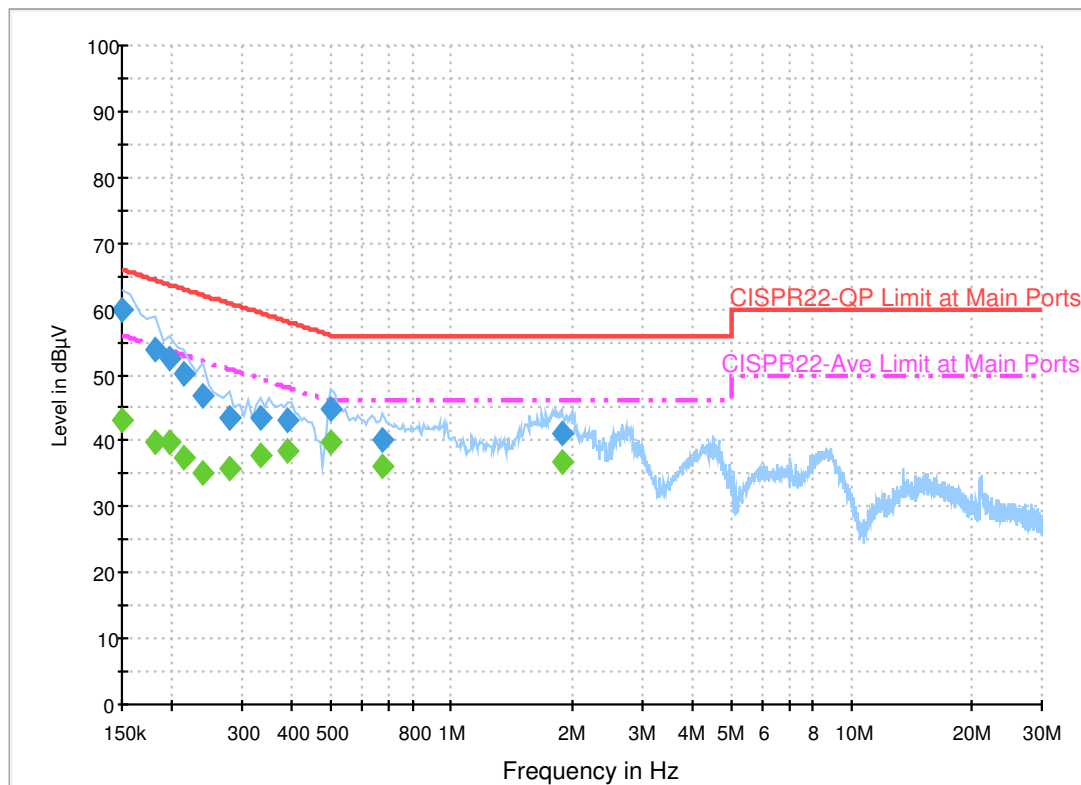
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Kai-Chun Chu	Temperature :	24~25°C
		Relative Humidity :	49~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line

EUT Information

Report NO : 681313
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

ENV216 Auto Test FCC Power Bar - L



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	59.9	Off	L1	19.6	6.1	66.0
0.182000	53.8	Off	L1	19.6	10.6	64.4
0.198000	52.4	Off	L1	19.6	11.3	63.7
0.214000	50.1	Off	L1	19.6	12.9	63.0
0.238000	46.7	Off	L1	19.6	15.5	62.2
0.278000	43.4	Off	L1	19.6	17.5	60.9
0.334000	43.5	Off	L1	19.6	15.9	59.4
0.390000	43.3	Off	L1	19.6	14.8	58.1
0.502000	44.9	Off	L1	19.6	11.1	56.0
0.670000	40.1	Off	L1	19.6	15.9	56.0
1.886000	41.2	Off	L1	19.7	14.8	56.0

Final Result 2

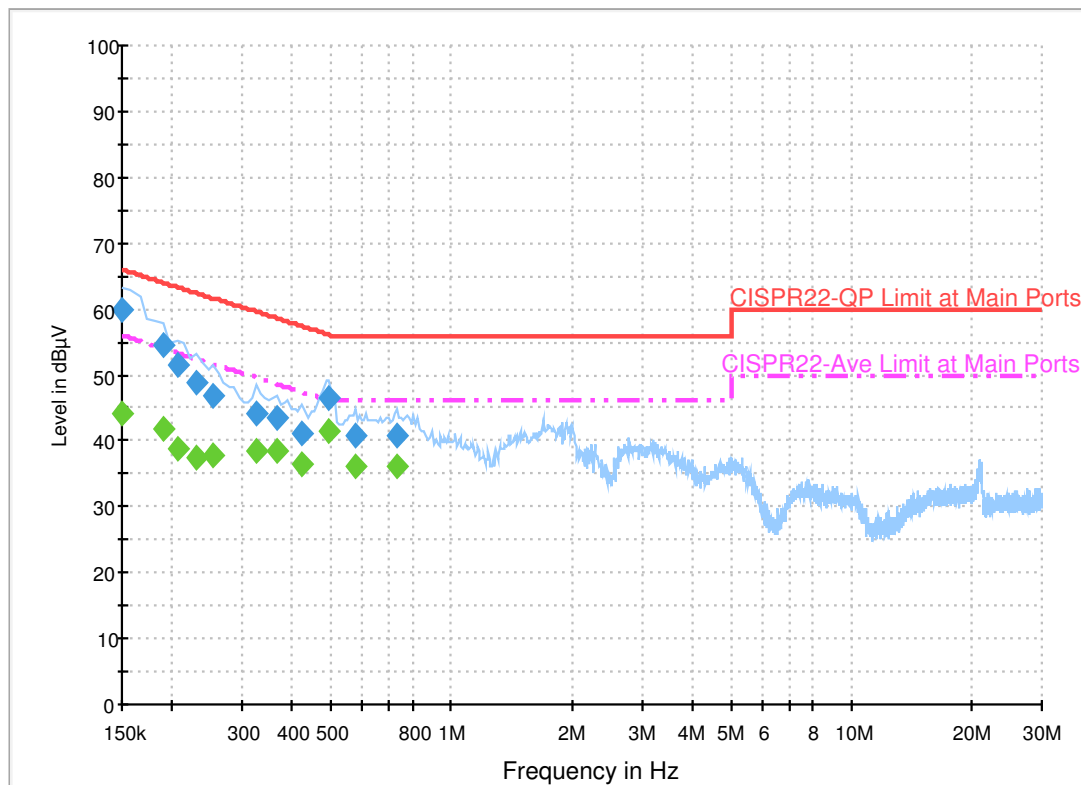
Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	43.2	Off	L1	19.6	12.8	56.0
0.182000	39.7	Off	L1	19.6	14.7	54.4
0.198000	39.6	Off	L1	19.6	14.1	53.7
0.214000	37.6	Off	L1	19.6	15.4	53.0
0.238000	35.1	Off	L1	19.6	17.1	52.2
0.278000	35.9	Off	L1	19.6	15.0	50.9
0.334000	37.9	Off	L1	19.6	11.5	49.4

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.390000	38.4	Off	L1	19.6	9.7	48.1
0.502000	39.8	Off	L1	19.6	6.2	46.0
0.670000	36.1	Off	L1	19.6	9.9	46.0
1.886000	36.9	Off	L1	19.7	9.1	46.0

EUT Information

Report NO : 681313
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

ENV216 Auto Test FCC Power Bar - N



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	60.0	Off	N	19.6	6.0	66.0
0.190000	54.4	Off	N	19.6	9.6	64.0
0.206000	51.3	Off	N	19.6	12.1	63.4
0.230000	48.8	Off	N	19.6	13.6	62.4
0.254000	46.7	Off	N	19.6	14.9	61.6
0.326000	44.0	Off	N	19.6	15.6	59.6
0.366000	43.3	Off	N	19.6	15.3	58.6
0.422000	41.3	Off	N	19.6	16.1	57.4
0.494000	46.4	Off	N	19.6	9.7	56.1
0.574000	40.8	Off	N	19.6	15.2	56.0
0.734000	40.7	Off	N	19.6	15.3	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	44.3	Off	N	19.6	11.7	56.0
0.190000	41.9	Off	N	19.6	12.1	54.0
0.206000	38.8	Off	N	19.6	14.6	53.4
0.230000	37.6	Off	N	19.6	14.8	52.4
0.254000	37.9	Off	N	19.6	13.7	51.6
0.326000	38.5	Off	N	19.6	11.1	49.6
0.366000	38.5	Off	N	19.6	10.1	48.6

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.422000	36.5	Off	N	19.6	10.9	47.4
0.494000	41.6	Off	N	19.6	4.5	46.1
0.574000	36.2	Off	N	19.6	9.8	46.0
0.734000	36.2	Off	N	19.6	9.8	46.0



Appendix C. Radiated Spurious Emission

Test Engineer :	Nick Yu, Peter Chiu, and Citta Ke	Temperature :	22~23°C
		Relative Humidity :	52~55%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

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)
802.11a CH 36 5180MHz		5150	63.23	-10.77	74	51.32	31.65	11.21	30.95	222	58	P	H
		5150	50.94	-3.06	54	39.03	31.65	11.21	30.95	222	58	A	H
	*	5180	114.5	-	-	102.56	31.68	11.21	30.95	222	58	P	H
	*	5180	103.82	-	-	91.88	31.68	11.21	30.95	222	58	A	H
													H
													H
		5039.26	59.06	-14.94	74	47.15	31.55	11.31	30.95	368	235	P	V
		5150	47.11	-6.89	54	35.2	31.65	11.21	30.95	368	235	A	V
	*	5182	105.87	-	-	93.96	31.68	11.18	30.95	368	235	P	V
	*	5182	94.86	-	-	82.95	31.68	11.18	30.95	368	235	A	V
													V
													V
802.11a CH 44 5220MHz		5150	66.39	-7.61	74	54.48	31.65	11.21	30.95	230	48	P	H
		5149.76	53.03	-0.97	54	41.12	31.65	11.21	30.95	230	48	A	H
	*	5218	120.17	-	-	108.22	31.72	11.18	30.95	230	48	P	H
	*	5218	109.15	-	-	97.2	31.72	11.18	30.95	230	48	A	H
		5357.52	59.31	-14.69	74	46.89	31.85	11.52	30.95	230	48	P	H
		5408.4	48.28	-5.72	54	35.73	31.9	11.6	30.95	230	48	A	H
		5150	61.01	-12.99	74	49.1	31.65	11.21	30.95	400	246	P	V
		5147.68	48.38	-5.62	54	36.47	31.65	11.21	30.95	400	246	A	V
	*	5222	111.96	-	-	99.93	31.72	11.26	30.95	400	246	P	V
	*	5222	100.78	-	-	88.75	31.72	11.26	30.95	400	246	A	V
		5441.76	58.82	-15.18	74	46.2	31.93	11.64	30.95	400	246	P	V
		5448.24	47.18	-6.82	54	34.54	31.95	11.64	30.95	400	246	A	V



802.11a CH 48 5240MHz		5147.42	67.56	-6.44	74	55.65	31.65	11.21	30.95	221	48	P	H
		5148.2	52.52	-1.48	54	40.61	31.65	11.21	30.95	221	48	A	H
	*	5242	120.71	-	-	108.65	31.75	11.26	30.95	221	48	P	H
	*	5242	109.19	-	-	97.13	31.75	11.26	30.95	221	48	A	H
		5350.08	62.45	-11.55	74	50.03	31.85	11.52	30.95	221	48	P	H
		5350.08	49.49	-4.51	54	37.07	31.85	11.52	30.95	221	48	A	H
		5150	60.76	-13.24	74	48.85	31.65	11.21	30.95	383	247	P	V
		5150	48.15	-5.85	54	36.24	31.65	11.21	30.95	383	247	A	V
	*	5242	112.14	-	-	100.08	31.75	11.26	30.95	383	247	P	V
	*	5242	100.46	-	-	88.4	31.75	11.26	30.95	383	247	A	V
		5453.76	60.08	-13.92	74	47.44	31.95	11.64	30.95	383	247	P	V
		5437.2	47.23	-6.77	54	34.61	31.93	11.64	30.95	383	247	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	47.79	-26.21	74	48.54	39.59	17.13	57.47	100	0	P	H
		15540	45.32	-28.68	74	43.98	38.26	21.61	58.53	100	0	P	H
													H
													H
		10360	48.3	-25.7	74	49.05	39.59	17.13	57.47	100	0	P	V
		15540	45	-29	74	43.66	38.26	21.61	58.53	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	61.56	-6.64	68.2	61.98	39.69	17.22	57.33	100	0	P	H
		15660	47.34	-26.66	74	45.82	38.11	21.7	58.29	100	0	P	H
													H
													H
		10440	59.88	-8.32	68.2	60.3	39.69	17.22	57.33	100	0	P	V
		15660	46.88	-27.12	74	45.36	38.11	21.7	58.29	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	65.35	-2.85	68.2	65.54	39.77	17.27	57.23	100	0	P	H
		15720	47.52	-26.48	74	45.88	38.03	21.76	58.15	100	0	P	H
													H
													H
		10480	60.29	-7.91	68.2	60.48	39.77	17.27	57.23	100	0	P	V
		15720	46.36	-27.64	74	44.72	38.03	21.76	58.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5147.68	65.19	-8.81	74	53.28	31.65	11.21	30.95	232	48	P	H
		5150	53.33	-0.67	54	41.42	31.65	11.21	30.95	232	48	A	H
	*	5182	113.46	-	-	101.55	31.68	11.18	30.95	232	48	P	H
	*	5182	102.48	-	-	90.57	31.68	11.18	30.95	232	48	A	H
													H
													H
		5121.94	58.86	-15.14	74	46.95	31.62	11.24	30.95	200	315	P	V
		5149.24	48.61	-5.39	54	36.7	31.65	11.21	30.95	200	315	A	V
	*	5182	106.25	-	-	94.34	31.68	11.18	30.95	200	315	P	V
	*	5182	95.89	-	-	83.98	31.68	11.18	30.95	200	315	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5147.16	65.18	-8.82	74	53.27	31.65	11.21	30.95	226	48	P	H
		5150	51.94	-2.06	54	40.03	31.65	11.21	30.95	226	48	A	H
	*	5222	119.32	-	-	107.29	31.72	11.26	30.95	226	48	P	H
	*	5222	108.24	-	-	96.21	31.72	11.26	30.95	226	48	A	H
		5435.04	59.92	-14.08	74	47.3	31.93	11.64	30.95	226	48	P	H
		5382.48	48.62	-5.38	54	36.09	31.88	11.6	30.95	226	48	A	H
		5149.76	60.03	-13.97	74	48.12	31.65	11.21	30.95	100	318	P	V
		5149.76	48.32	-5.68	54	36.41	31.65	11.21	30.95	100	318	A	V
	*	5218	110.08	-	-	98.13	31.72	11.18	30.95	100	318	P	V
	*	5218	100	-	-	88.05	31.72	11.18	30.95	100	318	A	V
		5367.36	59.51	-14.49	74	47.07	31.87	11.52	30.95	100	318	P	V
		5456.88	48.06	-5.94	54	35.42	31.95	11.64	30.95	100	318	A	V



802.11n HT20 CH 48 5240MHz		5147.94	67.06	-6.94	74	55.15	31.65	11.21	30.95	230	45	P	H
		5149.76	53.02	-0.98	54	41.11	31.65	11.21	30.95	230	45	A	H
	*	5238	118.63	-	-	106.59	31.73	11.26	30.95	230	45	P	H
	*	5238	107.59	-	-	95.55	31.73	11.26	30.95	230	45	A	H
		5353.2	62.62	-11.38	74	50.2	31.85	11.52	30.95	230	45	P	H
		5350.8	49.91	-4.09	54	37.49	31.85	11.52	30.95	230	45	A	H
		5148.46	59.94	-14.06	74	48.03	31.65	11.21	30.95	211	315	P	V
		5149.24	48.96	-5.04	54	37.05	31.65	11.21	30.95	211	315	A	V
	*	5238	112.57	-	-	100.53	31.73	11.26	30.95	211	315	P	V
	*	5238	102.01	-	-	89.97	31.73	11.26	30.95	211	315	A	V
		5353.44	59.93	-14.07	74	47.51	31.85	11.52	30.95	211	315	P	V
		5457.12	48.15	-5.85	54	35.51	31.95	11.64	30.95	211	315	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	47.71	-20.49	68.2	48.46	39.59	17.13	57.47	100	0	P	H
		15540	44.86	-29.14	74	43.52	38.26	21.61	58.53	100	0	P	H
													H
													H
		10360	47.53	-20.67	68.2	48.28	39.59	17.13	57.47	100	0	P	V
		15540	46.35	-27.65	74	45.01	38.26	21.61	58.53	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	62.91	-5.29	68.2	63.33	39.69	17.22	57.33	100	0	P	H
		15660	47.01	-26.99	74	45.49	38.11	21.7	58.29	100	0	P	H
													H
													H
		10440	63.61	-4.59	68.2	64.03	39.69	17.22	57.33	100	0	P	V
		15660	45.44	-28.56	74	43.92	38.11	21.7	58.29	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	64.69	-3.51	68.2	64.88	39.77	17.27	57.23	100	0	P	H
		15720	46.94	-27.06	74	45.3	38.03	21.76	58.15	100	0	P	H
													H
													H
		10480	61.98	-6.22	68.2	62.17	39.77	17.27	57.23	100	0	P	V
		15720	47.2	-26.8	74	45.56	38.03	21.76	58.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5086.32	63.73	-10.27	74	51.83	31.58	11.27	30.95	220	49	P	H
		5148.2	53.52	-0.48	54	41.61	31.65	11.21	30.95	220	49	A	H
	*	5190	104.83	-	-	92.92	31.68	11.18	30.95	220	49	P	H
	*	5190	95.34	-	-	83.43	31.68	11.18	30.95	220	49	A	H
		5370.24	63.86	-10.14	74	51.42	31.87	11.52	30.95	220	49	P	H
		5408.16	53.65	-0.35	54	41.1	31.9	11.6	30.95	220	49	A	H
		5137.54	64.01	-9.99	74	52.09	31.63	11.24	30.95	385	244	P	V
		5146.9	53.09	-0.91	54	41.18	31.65	11.21	30.95	385	244	A	V
	*	5190	96.97	-	-	85.06	31.68	11.18	30.95	385	244	P	V
	*	5190	87.45	-	-	75.54	31.68	11.18	30.95	385	244	A	V
		5431.44	64.09	-9.91	74	51.47	31.93	11.64	30.95	385	244	P	V
		5448.24	53.57	-0.43	54	40.93	31.95	11.64	30.95	385	244	P	V
802.11n HT40 CH 46 5230MHz		5148.72	61.92	-12.08	74	50.01	31.65	11.21	30.95	226	46	P	H
		5150	53.4	-0.6	54	41.49	31.65	11.21	30.95	226	46	A	H
	*	5230	114.66	-	-	102.62	31.73	11.26	30.95	226	46	P	H
	*	5230	104.91	-	-	92.87	31.73	11.26	30.95	226	46	A	H
		5408.16	59.73	-14.27	74	47.18	31.9	11.6	30.95	226	46	P	H
		5382.24	49.28	-4.72	54	36.75	31.88	11.6	30.95	226	46	A	H
		5036.14	59.49	-14.51	74	47.6	31.53	11.31	30.95	396	245	P	V
		5150	49.55	-4.45	54	37.64	31.65	11.21	30.95	396	245	A	V
	*	5230	106.33	-	-	94.29	31.73	11.26	30.95	396	245	P	V
	*	5230	96.35	-	-	84.31	31.73	11.26	30.95	396	245	A	V
		5444.88	58.85	-15.15	74	46.23	31.93	11.64	30.95	396	245	P	V
		5420.4	48.79	-5.21	54	36.18	31.92	11.64	30.95	396	245	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	47.05	-26.95	74	47.74	39.61	17.13	57.43	100	0	P	H
		15570	45.01	-28.99	74	43.61	38.22	21.64	58.46	100	0	P	H
													H
													H
		10380	46.67	-27.33	74	47.36	39.61	17.13	57.43	100	0	P	V
		15570	45.24	-28.76	74	43.84	38.22	21.64	58.46	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	52.37	-21.63	74	52.73	39.72	17.22	57.3	100	0	P	H
		15690	46.34	-27.66	74	44.76	38.07	21.73	58.22	100	0	P	H
													H
													H
		10460	50.82	-23.18	74	51.18	39.72	17.22	57.3	100	0	P	V
		15690	46.48	-27.52	74	44.9	38.07	21.73	58.22	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	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)
802.11a CH 52 5260MHz		5147.94	62.55	-11.45	74	50.64	31.65	11.21	30.95	226	47	P	H
		5148.2	49.48	-4.52	54	37.57	31.65	11.21	30.95	226	47	A	H
	*	5262	118.35	-	-	106.18	31.77	11.35	30.95	226	47	P	H
	*	5262	108.77	-	-	96.6	31.77	11.35	30.95	226	47	A	H
		5351.52	67.98	-6.02	74	55.56	31.85	11.52	30.95	226	47	P	H
		5350.32	52.51	-1.49	54	40.09	31.85	11.52	30.95	226	47	A	H
		5150	59.18	-14.82	74	47.27	31.65	11.21	30.95	398	248	P	V
		5148.46	47.2	-6.8	54	35.29	31.65	11.21	30.95	398	248	A	V
	*	5262	111.28	-	-	99.11	31.77	11.35	30.95	398	248	P	V
	*	5262	100.08	-	-	87.91	31.77	11.35	30.95	398	248	A	V
		5396.64	59.48	-14.52	74	46.93	31.9	11.6	30.95	398	248	P	V
		5352.24	47.41	-6.59	54	34.99	31.85	11.52	30.95	398	248	A	V
802.11a CH 60 5300MHz		5000.26	59.4	-14.6	74	47.51	31.5	11.34	30.95	225	46	P	H
		5148.2	47.69	-6.31	54	35.78	31.65	11.21	30.95	225	46	A	H
	*	5302	118.37	-	-	106.09	31.8	11.43	30.95	225	46	P	H
	*	5302	106.9	-	-	94.62	31.8	11.43	30.95	225	46	A	H
		5352	66.31	-7.69	74	53.89	31.85	11.52	30.95	225	46	P	H
		5350.08	51.94	-2.06	54	39.52	31.85	11.52	30.95	225	46	A	H
		5114.92	58.72	-15.28	74	46.81	31.62	11.24	30.95	293	68	P	V
		5145.08	46.58	-7.42	54	34.67	31.65	11.21	30.95	293	68	A	V
	*	5298	109.08	-	-	96.88	31.8	11.35	30.95	293	68	P	V
	*	5298	97.7	-	-	85.5	31.8	11.35	30.95	293	68	A	V
		5420.64	59.2	-14.8	74	46.59	31.92	11.64	30.95	293	68	P	V
		5350.32	47.87	-6.13	54	35.45	31.85	11.52	30.95	293	68	A	V



802.11a CH 64 5320MHz	*	5322	114.88	-	-	102.58	31.82	11.43	30.95	225	47	P	H
	*	5322	103.87	-	-	91.57	31.82	11.43	30.95	225	47	A	H
		5350.32	67.12	-6.88	74	54.7	31.85	11.52	30.95	225	47	P	H
		5350.08	53.37	-0.63	54	40.95	31.85	11.52	30.95	225	47	A	H
													H
													H
	*	5320	107.63	-	-	95.33	31.82	11.43	30.95	272	57	P	V
	*	5320	96.77	-	-	84.47	31.82	11.43	30.95	272	57	A	V
		5350.08	59.68	-14.32	74	47.26	31.85	11.52	30.95	272	57	P	V
		5350.08	49.05	-4.95	54	36.63	31.85	11.52	30.95	272	57	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	64.05	-4.15	68.2	64.12	39.82	17.31	57.2	100	0	P	H
		15780	46.64	-27.36	74	44.93	37.97	21.79	58.05	100	0	P	H
													H
													H
		10520	60.05	-8.15	68.2	60.12	39.82	17.31	57.2	100	0	P	V
		15780	46.85	-27.15	74	45.14	37.97	21.79	58.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	60.39	-13.61	74	60.25	39.92	17.4	57.18	190	105	P	H
		10600	46.9	-7.1	54	46.76	39.92	17.4	57.18	190	105	A	H
		15900	45.34	-28.66	74	43.45	37.82	21.88	57.81	100	0	P	H
													H
		10600	57.39	-16.61	74	57.25	39.92	17.4	57.18	232	0	P	V
		10600	44.3	-9.7	54	44.16	39.92	17.4	57.18	232	0	A	V
		15900	44.23	-29.77	74	42.34	37.82	21.88	57.81	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	50.24	-23.76	74	49.99	39.97	17.45	57.17	100	0	P	H
		15960	46.01	-27.99	74	44	37.74	21.94	57.67	100	0	P	H
													H
													H
		10640	49.16	-24.84	74	48.91	39.97	17.45	57.17	100	0	P	V
		15960	45.82	-28.18	74	43.81	37.74	21.94	57.67	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5150	63.45	-10.55	74	51.54	31.65	11.21	30.95	229	48	P	H
		5148.2	50.08	-3.92	54	38.17	31.65	11.21	30.95	229	48	A	H
	*	5260	118.58	-	-	106.5	31.77	11.26	30.95	229	48	P	H
	*	5260	108.22	-	-	96.14	31.77	11.26	30.95	229	48	A	H
		5352.72	67.33	-6.67	74	54.91	31.85	11.52	30.95	229	48	P	H
		5351.76	53.52	-0.48	54	41.1	31.85	11.52	30.95	229	48	A	H
		5012.22	59.32	-14.68	74	47.41	31.52	11.34	30.95	226	314	P	V
		5146.64	47.69	-6.31	54	35.78	31.65	11.21	30.95	226	314	A	V
	*	5260	111.17	-	-	99.09	31.77	11.26	30.95	226	314	P	V
	*	5260	101.19	-	-	89.11	31.77	11.26	30.95	226	314	A	V
		5350.32	62.27	-11.73	74	49.85	31.85	11.52	30.95	226	314	P	V
		5350.08	48.77	-5.23	54	36.35	31.85	11.52	30.95	226	314	A	V
802.11n HT20 CH 60 5300MHz		5069.94	59.2	-14.8	74	47.31	31.57	11.27	30.95	226	47	P	H
		5122.2	48.15	-5.85	54	36.24	31.62	11.24	30.95	226	47	A	H
	*	5302	116.41	-	-	104.13	31.8	11.43	30.95	226	47	P	H
	*	5302	106.53	-	-	94.25	31.8	11.43	30.95	226	47	A	H
		5352	66.96	-7.04	74	54.54	31.85	11.52	30.95	226	47	P	H
		5350.08	53.66	-0.34	54	41.24	31.85	11.52	30.95	226	47	A	H
		5122.2	58.69	-15.31	74	46.78	31.62	11.24	30.95	204	314	P	V
		5076.7	47.44	-6.56	54	35.54	31.58	11.27	30.95	204	314	A	V
	*	5298	108.53	-	-	96.33	31.8	11.35	30.95	204	314	P	V
	*	5298	98.18	-	-	85.98	31.8	11.35	30.95	204	314	A	V
		5425.44	59.63	-14.37	74	47.02	31.92	11.64	30.95	204	314	P	V
		5350.8	48.59	-5.41	54	36.17	31.85	11.52	30.95	204	314	A	V



802.11n HT20 CH 64 5320MHz	*	5320	112.61	-	-	100.31	31.82	11.43	30.95	230	47	P	H
	*	5320	102.39	-	-	90.09	31.82	11.43	30.95	230	47	A	H
		5350.08	63.21	-10.79	74	50.79	31.85	11.52	30.95	230	47	P	H
		5350.24	51.02	-2.98	54	38.6	31.85	11.52	30.95	230	47	A	H
													H
													H
	*	5320	104.4	-	-	92.1	31.82	11.43	30.95	200	327	P	V
	*	5320	94.07	-	-	81.77	31.82	11.43	30.95	200	327	A	V
		5422.24	59.39	-14.61	74	46.78	31.92	11.64	30.95	200	327	P	V
		5352	48.1	-5.9	54	35.68	31.85	11.52	30.95	200	327	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	65.39	-2.81	68.2	65.46	39.82	17.31	57.2	100	0	P	H
		15780	47.3	-26.7	74	45.59	37.97	21.79	58.05	100	0	P	H
													H
													H
		10520	62.04	-6.16	68.2	62.11	39.82	17.31	57.2	100	0	P	V
		15780	46.31	-27.69	74	44.6	37.97	21.79	58.05	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	63.84	-10.16	74	63.7	39.92	17.4	57.18	193	102	P	H
		10600	48.18	-5.82	54	48.04	39.92	17.4	57.18	193	102	A	H
		15900	45.68	-28.32	74	43.79	37.82	21.88	57.81	100	0	P	H
													H
		10600	61.68	-12.32	74	61.54	39.92	17.4	57.18	164	174	P	V
		10600	46.04	-7.96	54	45.9	39.92	17.4	57.18	164	174	A	V
		15900	44.67	-29.33	74	42.78	37.82	21.88	57.81	100	0	P	V
													V
802.11n HT20 CH 64 5320MHz		10640	48.69	-25.31	74	48.44	39.97	17.45	57.17	100	0	P	H
		15960	45.73	-28.27	74	43.72	37.74	21.94	57.67	100	0	P	H
													H
													H
		10640	48.99	-25.01	74	48.74	39.97	17.45	57.17	100	0	P	V
		15960	45.58	-28.42	74	43.57	37.74	21.94	57.67	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5037.7	59.68	-14.32	74	47.77	31.55	11.31	30.95	229	47	P	H
		5148.46	48.88	-5.12	54	36.97	31.65	11.21	30.95	229	47	A	H
	*	5270	113.75	-	-	101.58	31.77	11.35	30.95	229	47	P	H
	*	5270	103.81	-	-	91.64	31.77	11.35	30.95	229	47	A	H
		5350.8	62.18	-11.82	74	49.76	31.85	11.52	30.95	229	47	P	H
		5350.32	52.63	-1.37	54	40.21	31.85	11.52	30.95	229	47	A	H
		5073.32	58.67	-15.33	74	46.77	31.58	11.27	30.95	398	247	P	V
		5021.58	48.07	-5.93	54	36.18	31.53	11.31	30.95	398	247	A	V
	*	5270	104.28	-	-	92.11	31.77	11.35	30.95	398	247	P	V
	*	5270	94.74	-	-	82.57	31.77	11.35	30.95	398	247	A	V
		5379.12	60.26	-13.74	74	47.81	31.88	11.52	30.95	398	247	P	V
		5394.24	48.83	-5.17	54	36.3	31.88	11.6	30.95	398	247	A	V
802.11n HT40 CH 62 5310MHz		5099.06	58.81	-15.19	74	46.89	31.6	11.27	30.95	225	46	P	H
		5122.2	48.67	-5.33	54	36.76	31.62	11.24	30.95	225	46	A	H
	*	5310	105.65	-	-	93.35	31.82	11.43	30.95	225	46	P	H
	*	5310	95.75	-	-	83.45	31.82	11.43	30.95	225	46	A	H
		5350.56	61.54	-12.46	74	49.12	31.85	11.52	30.95	225	46	P	H
		5350.08	52.79	-1.21	54	40.37	31.85	11.52	30.95	225	46	A	H
		5087.88	58.87	-15.13	74	46.97	31.58	11.27	30.95	207	327	P	V
		5089.96	48.14	-5.86	54	36.22	31.6	11.27	30.95	207	327	A	V
	*	5310	96.76	-	-	84.46	31.82	11.43	30.95	207	327	P	V
	*	5310	87.6	-	-	75.3	31.82	11.43	30.95	207	327	A	V
		5422.08	59.42	-14.58	74	46.81	31.92	11.64	30.95	207	327	P	V
		5454.48	48.9	-5.1	54	36.26	31.95	11.64	30.95	207	327	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	52.57	-21.43	74	52.61	39.84	17.31	57.19	100	0	P	H
		15810	45.83	-28.17	74	44.06	37.93	21.82	57.98	100	0	P	H
													H
													H
		10540	51.27	-22.73	74	51.31	39.84	17.31	57.19	100	0	P	V
		15810	45.95	-28.05	74	44.18	37.93	21.82	57.98	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	46.86	-27.14	74	46.7	39.94	17.4	57.18	100	0	P	H
		15930	45.61	-28.39	74	43.66	37.78	21.91	57.74	100	0	P	H
													H
													H
		10620	47.63	-26.37	74	47.47	39.94	17.4	57.18	100	0	P	V
		15930	45.5	-28.5	74	43.55	37.78	21.91	57.74	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

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)
802.11a CH 100 5500MHz		5386.8	59.9	-14.1	74	47.37	31.88	11.6	30.95	223	47	P	H
		5469.68	66.06	-2.14	68.2	53.37	31.97	11.67	30.95	223	47	P	H
		5382	48.79	-5.21	54	36.26	31.88	11.6	30.95	223	47	A	H
	*	5500	114.06	-	-	101.34	32	11.67	30.95	223	47	P	H
	*	5500	102.93	-	-	90.21	32	11.67	30.95	223	47	A	H
													H
		5398.48	60.07	-13.93	74	47.52	31.9	11.6	30.95	398	236	P	V
		5469.68	62.23	-5.97	68.2	49.54	31.97	11.67	30.95	398	236	P	V
		5453.2	47.37	-6.63	54	34.73	31.95	11.64	30.95	398	236	P	V
	*	5500	104.85	-	-	92.13	32	11.67	30.95	398	236	P	V
	*	5500	94.96	-	-	82.24	32	11.67	30.95	398	236	A	V
													V
802.11a CH 116 5580MHz		5381.92	59.7	-14.3	74	47.17	31.88	11.6	30.95	217	47	P	H
		5434.24	48.44	-5.56	54	35.82	31.93	11.64	30.95	217	47	A	H
	*	5580	117.1	-	-	104.24	32.1	11.74	30.98	217	47	P	H
	*	5580	107.19	-	-	94.33	32.1	11.74	30.98	217	47	A	H
		5733.15	60.28	-13.72	74	47.16	32.31	11.84	31.03	217	47	P	H
		5762.725	47.88	-6.12	54	34.7	32.36	11.86	31.04	217	47	A	H
		5421.28	59.87	-14.13	74	47.26	31.92	11.64	30.95	400	87	P	V
		5462.32	47.36	-6.64	54	34.69	31.95	11.67	30.95	400	87	A	V
	*	5580	108.3	-	-	95.44	32.1	11.74	30.98	400	87	P	V
	*	5580	96.88	-	-	84.02	32.1	11.74	30.98	400	87	A	V
		5746.275	60.93	-13.07	74	47.76	32.34	11.86	31.03	400	87	P	V
		5759.75	47.86	-6.14	54	34.68	32.36	11.86	31.04	400	87	A	V



802.11a CH 140 5700MHz	*	5700	112.31	-	-	99.23	32.27	11.82	31.01	220	47	P	H
	*	5700	101.51	-	-	88.43	32.27	11.82	31.01	220	47	A	H
		5725.4	67.23	-0.97	68.2	54.1	32.31	11.84	31.02	220	47	P	H
													H
													H
													H
	*	5700	101.92	-	-	88.84	32.27	11.82	31.01	400	85	P	V
	*	5700	91.4	-	-	78.32	32.27	11.82	31.01	400	85	A	V
		5725	58.49	-9.71	68.2	45.36	32.31	11.84	31.02	400	85	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	50.24	-23.76	74	49.08	40.4	17.86	57.1	100	0	P	H
		16500	45.38	-22.82	68.2	39.66	39.3	22.42	56	100	0	P	H
													H
													H
		11000	50.13	-23.87	74	48.97	40.4	17.86	57.1	100	0	P	V
		16500	45.28	-22.92	68.2	39.56	39.3	22.42	56	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	62.91	-11.09	74	61.9	40.3	18.04	57.33	166	352	P	H
		11160	53.09	-0.91	54	52.08	40.3	18.04	57.33	166	352	A	H
		16740	46.55	-27.45	74	39.97	40.07	22.65	56.14	100	0	P	H
													H
		11160	61.71	-12.29	74	60.7	40.3	18.04	57.33	178	107	P	V
		11160	53.57	-0.43	54	52.56	40.3	18.04	57.33	178	107	A	V
		16740	45.25	-28.75	74	38.67	40.07	22.65	56.14	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	50.06	-23.94	74	49.25	40.16	18.31	57.66	100	0	P	H
		17100	48.7	-19.5	68.2	41.15	41.22	22.99	56.66	100	0	P	H
													H
													H
		11400	50.21	-23.79	74	49.4	40.16	18.31	57.66	100	0	P	V
		17100	47.97	-20.23	68.2	40.42	41.22	22.99	56.66	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5444.72	59.7	-14.3	74	47.08	31.93	11.64	30.95	230	47	P	H
		5470	66.15	-2.05	68.2	53.46	31.97	11.67	30.95	230	47	A	H
		5356.08	49.82	-4.18	54	37.4	31.85	11.52	30.95	230	47	P	H
	*	5500	103.73	-	-	91.01	32	11.67	30.95	230	47	A	H
	*	5500	113.46	-	-	100.74	32	11.67	30.95	230	47	P	H
													H
		5425.36	59.62	-14.38	74	47.01	31.92	11.64	30.95	400	223	P	V
		5466.64	59.47	-8.73	68.2	46.78	31.97	11.67	30.95	400	223	P	V
		5451.76	48.25	-5.75	54	35.61	31.95	11.64	30.95	400	223	A	V
	*	5500	103.99	-	-	91.27	32	11.67	30.95	400	223	P	V
	*	5500	94.66	-	-	81.94	32	11.67	30.95	400	223	A	V
													V
802.11n HT20 CH 116 5580MHz		5373.28	60.21	-13.79	74	47.77	31.87	11.52	30.95	224	46	P	H
		5434.24	48.76	-5.24	54	36.14	31.93	11.64	30.95	224	46	A	H
	*	5580	116.96	-	-	104.1	32.1	11.74	30.98	224	46	P	H
	*	5580	107.68	-	-	94.82	32.1	11.74	30.98	224	46	A	H
		5741.9	59.82	-14.18	74	46.65	32.34	11.86	31.03	224	46	P	H
		5738.05	48.64	-5.36	54	35.49	32.34	11.84	31.03	224	46	A	H
		5469.04	59.41	-14.59	74	46.72	31.97	11.67	30.95	385	230	P	V
		5458.48	48.11	-5.89	54	35.47	31.95	11.64	30.95	385	230	A	V
	*	5580	107.96	-	-	95.1	32.1	11.74	30.98	385	230	P	V
	*	5580	98.17	-	-	85.31	32.1	11.74	30.98	385	230	A	V
		5732.1	60.08	-13.92	74	46.96	32.31	11.84	31.03	385	230	P	V
		5764.475	48.52	-5.48	54	35.34	32.36	11.86	31.04	385	230	A	V



802.11n HT20 CH 140 5700MHz	*	5700	110.57	-	-	97.49	32.27	11.82	31.01	221	46	P	H
	*	5700	100.69	-	-	87.61	32.27	11.82	31.01	221	46	A	H
		5725.16	66.57	-1.63	68.2	53.44	32.31	11.84	31.02	221	46	P	H
													H
													H
													H
	*	5700	100.74	-	-	87.66	32.27	11.82	31.01	384	74	P	V
	*	5700	91.21	-	-	78.13	32.27	11.82	31.01	384	74	A	V
		5752.84	59.77	-8.43	68.2	46.58	32.36	11.86	31.03	384	74	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	56.44	-17.56	74	55.28	40.4	17.86	57.1	103	124	P	H
		11000	40.1	-13.9	54	38.94	40.4	17.86	57.1	103	124	A	H
		16500	45.36	-22.84	68.2	39.64	39.3	22.42	56	100	0	P	H
													H
		11000	58.2	-15.8	74	57.04	40.4	17.86	57.1	180	116	P	V
		11000	41.77	-12.23	54	40.61	40.4	17.86	57.1	180	116	A	V
		16500	46.15	-22.05	68.2	40.43	39.3	22.42	56	100	0	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	64.21	-9.79	74	63.2	40.3	18.04	57.33	172	130	P	H
		11160	49.39	-4.61	54	48.38	40.3	18.04	57.33	172	130	A	H
		16740	47.75	-26.25	74	41.17	40.07	22.65	56.14	100	0	P	H
													H
		11160	67.78	-6.22	74	66.77	40.3	18.04	57.33	178	116	P	V
		11160	53.78	-0.22	54	52.77	40.3	18.04	57.33	178	116	A	V
		16740	47.11	-26.89	74	40.53	40.07	22.65	56.14	100	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	48.83	-25.17	74	48.02	40.16	18.31	57.66	100	0	P	H
		17100	48.23	-19.97	68.2	40.68	41.22	22.99	56.66	100	0	P	H
													H
													H
		11400	47.71	-26.29	74	46.9	40.16	18.31	57.66	100	0	P	V
		17100	49.1	-19.1	68.2	41.55	41.22	22.99	56.66	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5382.4	60.05	-13.95	74	47.52	31.88	11.6	30.95	222	46	P	H
		5470	65.81	-2.39	68.2	53.12	31.97	11.67	30.95	222	46	P	H
		5381.92	49.63	-4.37	54	37.1	31.88	11.6	30.95	222	46	A	H
	*	5510	106.63	-	-	93.89	32	11.7	30.96	222	46	P	H
	*	5510	97.72	-	-	84.98	32	11.7	30.96	222	46	A	H
		5741.025	59.04	-9.16	68.2	45.87	32.34	11.86	31.03	222	46	P	H
		5420.32	59.71	-14.29	74	47.1	31.92	11.64	30.95	400	229	P	V
		5463.28	59.43	-8.77	68.2	46.74	31.97	11.67	30.95	400	229	P	V
		5399.92	48.88	-5.12	54	36.33	31.9	11.6	30.95	400	229	A	V
	*	5510	96.98	-	-	84.24	32	11.7	30.96	400	229	P	V
	*	5510	87.86	-	-	75.12	32	11.7	30.96	400	229	A	V
		5739.1	59.96	-8.24	68.2	46.81	32.34	11.84	31.03	400	229	P	V
802.11n HT40 CH 110 5550MHz		5454.4	61.69	-12.31	74	49.05	31.95	11.64	30.95	229	45	P	H
		5465.44	64.69	-3.51	68.2	52	31.97	11.67	30.95	229	45	P	H
		5459.68	51.55	-2.45	54	38.91	31.95	11.64	30.95	229	45	A	H
	*	5550	113.8	-	-	100.96	32.07	11.74	30.97	229	45	P	H
	*	5550	104.49	-	-	91.65	32.07	11.74	30.97	229	45	A	H
		5762.375	59.83	-8.37	68.2	46.65	32.36	11.86	31.04	229	45	P	H
		5459.92	58.92	-15.08	74	46.28	31.95	11.64	30.95	393	229	P	V
		5465.92	59.55	-8.65	68.2	46.86	31.97	11.67	30.95	393	229	P	V
		5351.44	49.03	-4.97	54	36.61	31.85	11.52	30.95	393	229	A	V
	*	5550	104.69	-	-	91.85	32.07	11.74	30.97	393	229	P	V
	*	5550	95.04	-	-	82.2	32.07	11.74	30.97	393	229	A	V
		5729.475	60.24	-7.96	68.2	47.11	32.31	11.84	31.02	393	229	P	V



802.11n HT40 CH 134 5670MHz		5418.4	59.66	-14.34	74	47.09	31.92	11.6	30.95	221	46	P	H
		5462.32	59.07	-9.13	68.2	46.4	31.95	11.67	30.95	221	46	P	H
		5382.16	49.28	-4.72	54	36.75	31.88	11.6	30.95	221	46	A	H
	*	5670	110.55	-	-	97.5	32.24	11.82	31.01	221	46	P	H
	*	5670	101.22	-	-	88.17	32.24	11.82	31.01	221	46	A	H
		5726.325	65.94	-2.26	68.2	52.81	32.31	11.84	31.02	221	46	P	H
		5399.2	59.35	-14.65	74	46.8	31.9	11.6	30.95	396	265	P	V
		5459.92	58.68	-15.32	74	46.04	31.95	11.64	30.95	396	265	P	V
		5456.8	48.88	-5.12	54	36.24	31.95	11.64	30.95	396	265	A	V
	*	5670	103.16	-	-	90.11	32.24	11.82	31.01	396	265	P	V
	*	5670	92.45	-	-	79.4	32.24	11.82	31.01	396	265	A	V
		5760.625	60.34	-7.86	68.2	47.16	32.36	11.86	31.04	396	265	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	47.34	-26.66	74	46.21	40.39	17.86	57.12	100	0	P	H
		16530	45.1	-23.1	68.2	39.25	39.41	22.46	56.02	100	0	P	H
													H
													H
		11020	46.7	-27.3	74	45.57	40.39	17.86	57.12	100	0	P	V
		16530	45.66	-22.54	68.2	39.81	39.41	22.46	56.02	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	59.38	-14.62	74	58.33	40.34	17.95	57.24	400	27	P	H
		11100	46.96	-7.04	54	45.91	40.34	17.95	57.24	400	27	A	H
		16650	46.75	-21.45	68.2	40.47	39.8	22.57	56.09	100	0	P	H
													H
		11100	61.18	-12.82	74	60.13	40.34	17.95	57.24	191	121	P	V
		11100	48.82	-5.18	54	47.77	40.34	17.95	57.24	191	121	A	V
		16650	45.81	-22.39	68.2	39.53	39.8	22.57	56.09	100	0	P	V
													V
802.11n HT40 CH 134 5670MHz		11340	50.61	-23.39	74	49.76	40.2	18.22	57.57	100	0	P	H
		17010	47.63	-20.57	68.2	40.13	40.95	22.91	56.36	100	0	P	H
													H
													H
		11340	50.07	-23.93	74	49.22	40.2	18.22	57.57	100	0	P	V
		17010	47.6	-20.6	68.2	40.1	40.95	22.91	56.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI 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 144 5720MHz	*	5720	115.64	-	-	102.51	32.31	11.84	31.02	219	45	P	H
	*	5720	105.29	-	-	92.16	32.31	11.84	31.02	219	45	A	H
													H
													H
													H
													H
	*	5720	108.04	-	-	94.91	32.31	11.84	31.02	200	308	P	V
	*	5720	96.92	-	-	83.79	32.31	11.84	31.02	200	308	A	V
													V
													V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	64.25	-9.75	74	63.46	40.14	18.36	57.71	155	351	P	H
		11440	51.01	-2.99	54	50.22	40.14	18.36	57.71	155	351	A	H
		17160	48.23	-25.77	74	40.64	41.43	23.06	56.9	100	0	P	H
													H
		11440	66.02	-7.98	74	65.23	40.14	18.36	57.71	224	117	P	V
		11440	52.79	-1.21	54	52	40.14	18.36	57.71	224	117	A	V
		17160	48.33	-25.67	74	40.74	41.43	23.06	56.9	100	0	P	V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													



Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5718	117.17	-	-	104.04	32.31	11.84	31.02	218	44	P	H
	*	5718	106.08	-	-	92.95	32.31	11.84	31.02	218	44	A	H
													H
													H
													H
													H
	*	5718	109.6	-	-	96.47	32.31	11.84	31.02	386	266	P	V
	*	5718	98.56	-	-	85.43	32.31	11.84	31.02	386	266	A	V
													V
													V
													V
													V
Remark 1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													

Band 3 - Straddle Channel

WIFI 802.11n HT20 (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)
802.11n HT20 CH 144 5720MHz		11440	65.14	-8.86	74	64.35	40.14	18.36	57.71	156	350	P	H
		11440	50.67	-3.33	54	49.88	40.14	18.36	57.71	156	350	A	H
		17160	49.38	-24.62	74	41.79	41.43	23.06	56.9	100	0	P	H
													H
		11440	66.47	-7.53	74	65.68	40.14	18.36	57.71	224	118	P	V
		11440	51.51	-2.49	54	50.72	40.14	18.36	57.71	224	118	A	V
		17160	48.55	-25.45	74	40.96	41.43	23.06	56.9	100	0	P	V
													V
Remark 1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 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)
802.11n HT40 CH 142 5710MHz	*	5712	115.55	-	-	102.44	32.29	11.84	31.02	214	46	P	H
	*	5712	104.42	-	-	91.31	32.29	11.84	31.02	214	46	A	H
													H
													H
													H
													H
	*	5708	107.98	-	-	94.87	32.29	11.84	31.02	390	266	P	V
	*	5708	97.07	-	-	83.96	32.29	11.84	31.02	390	266	A	V
													V
													V
													V
													V
Remark 1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													

Band 3 - Straddle Channel

WIFI 802.11n HT40 (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)
802.11n HT40 CH 142 5710MHz		11420	64.11	-9.89	74	63.33	40.15	18.31	57.68	167	350	P	H
		11420	52	-2	54	51.22	40.15	18.31	57.68	167	350	A	H
		17130	48.41	-25.59	74	40.84	41.33	23.02	56.78	100	0	P	H
													H
		11420	63.92	-10.08	74	63.14	40.15	18.31	57.68	227	117	P	V
		11420	51.75	-2.25	54	50.97	40.15	18.31	57.68	227	117	A	V
		17130	48.14	-25.86	74	40.57	41.33	23.02	56.78	100	0	P	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 HT20 (LF @ 3m)

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)
802.11n HT20 LF		71.04	36.95	-3.05	40	55.91	12.43	1.06	32.45	110	66	P	H
		119.64	37.55	-5.95	43.5	51	17.55	1.43	32.43	-	-	P	H
		287.58	35.8	-10.2	46	46.54	19.26	2.25	32.25	-	-	P	H
		430.9	39.68	-6.32	46	46.42	22.75	2.89	32.38	-	-	P	H
		598.9	38.09	-7.91	46	41.62	25.37	3.5	32.4	-	-	P	H
		746.6	39.34	-6.66	46	40.15	27.53	3.97	32.31	-	-	P	H
													H
													H
													H
													H
													H
													H
		48.36	38.22	-1.78	40	54.13	15.77	0.78	32.46	-	-	P	V
		71.15	39.34	-0.66	40	58.3	12.43	1.06	32.45	149	70	QP	V
	*	71.15	44.23	4.23	40	63.19	12.43	1.06	32.45	149	70	P	V
		132.33	36.33	-7.17	43.5	49.36	17.96	1.43	32.42	-	-	P	V
		383.3	35.29	-10.71	46	43.16	21.8	2.68	32.35	-	-	P	V
		598.9	36.01	-9.99	46	39.54	25.37	3.5	32.4	-	-	P	V
		729.1	35.94	-10.06	46	37.29	27.11	3.89	32.35	-	-	P	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	Peak or Average
H/V	Horizontal or Vertical

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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		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 D. Radiated Spurious Emission

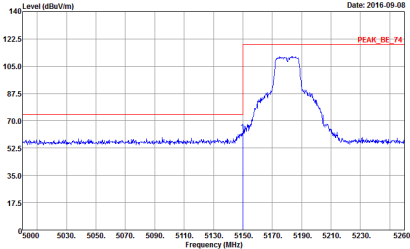
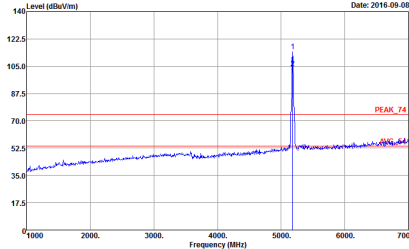
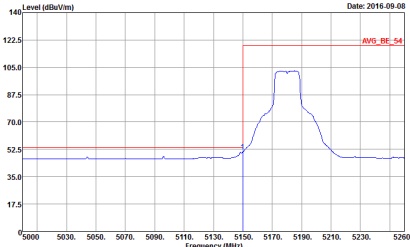
Test Engineer :	Nick Yu, Peter Chiu, and Citta Ke	Temperature :	22~23°C
		Relative Humidity :	52~55%

Note symbol

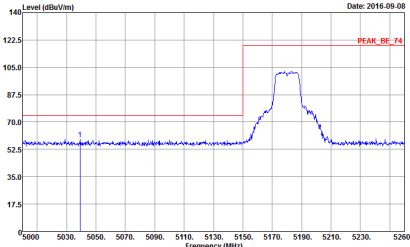
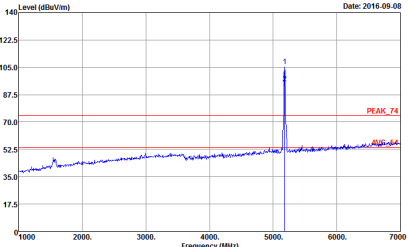
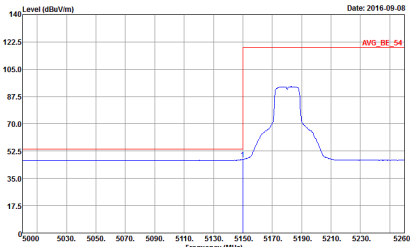
-L	Low channel location
-R	High channel location



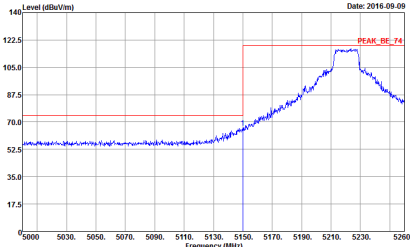
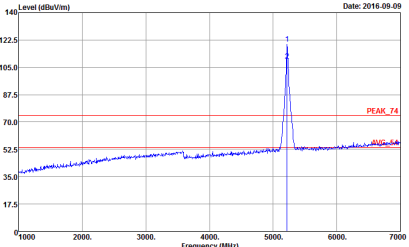
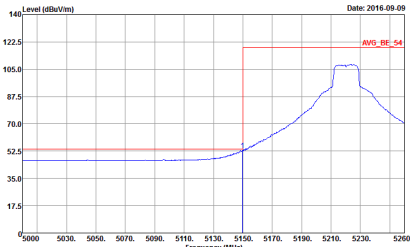
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 1 Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 1 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 1 Setting : 17	Left blank

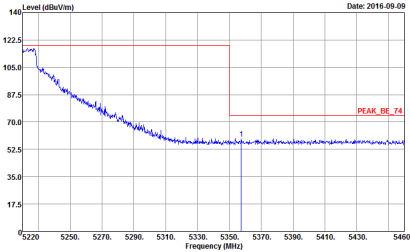
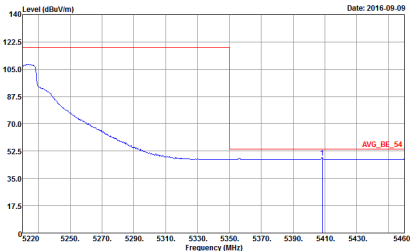


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 1 Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 1 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 1 Setting : 17	Left blank

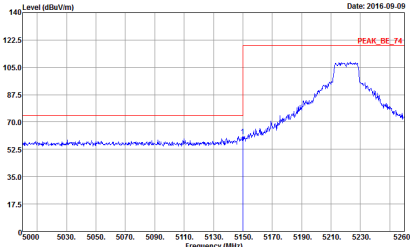
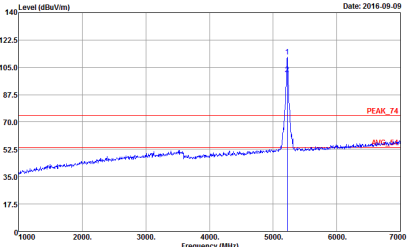
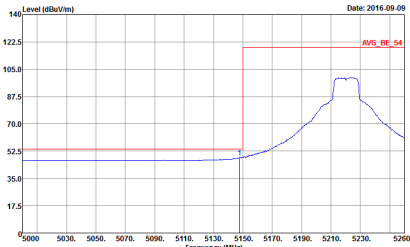


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 2 Setting : 28	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 2 Setting : 28
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 2 Setting : 28	Left blank

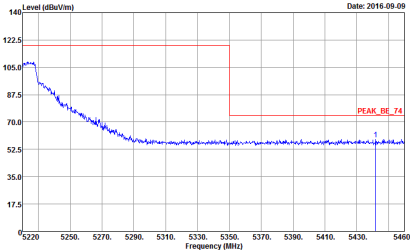
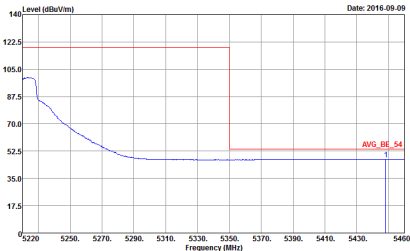


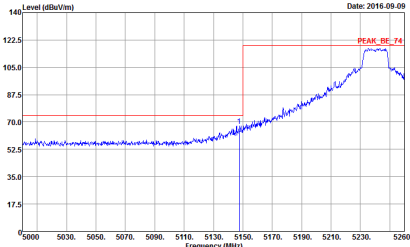
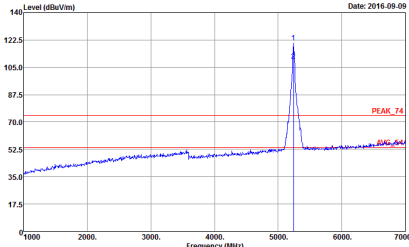
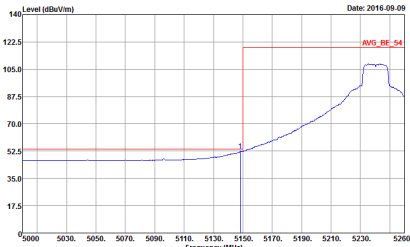
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 2 Setting : 28	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 2 Setting : 28	Left blank



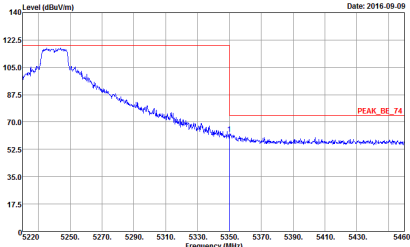
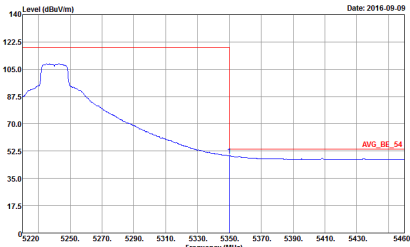
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 2 Setting : 28	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 2 Setting : 28
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 681313 Mode : 2 Setting : 28	Left blank

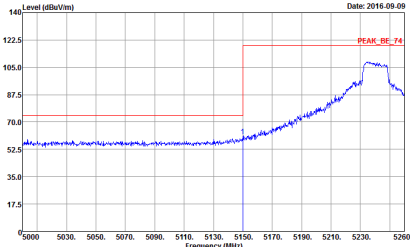
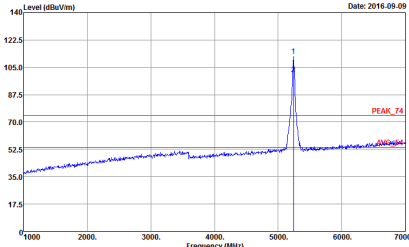
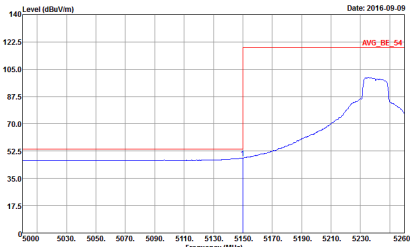


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 2 Setting : 28	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 2 Setting : 28	Left blank

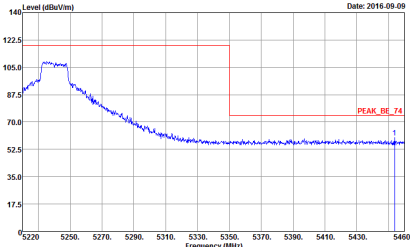
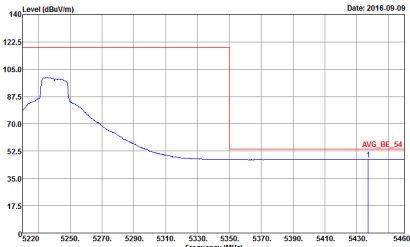
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 3	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 3
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 3	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 3	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 3	Left blank

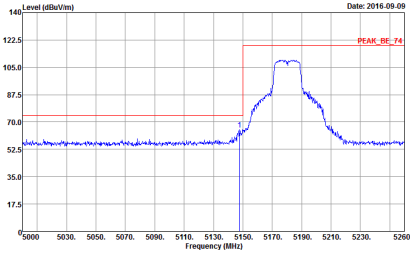
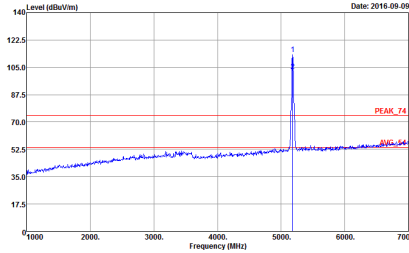
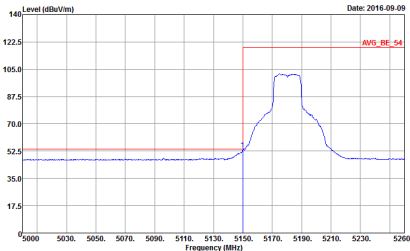
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 3	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 3
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 3	Left blank

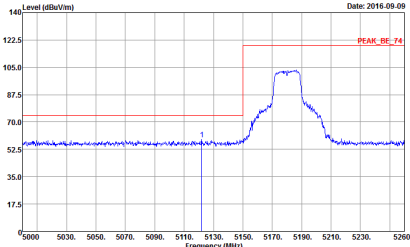
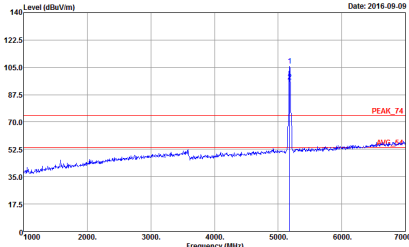
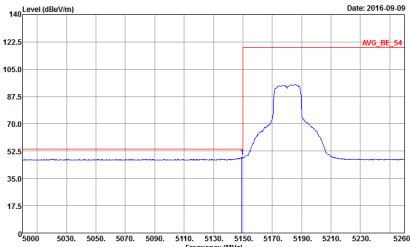


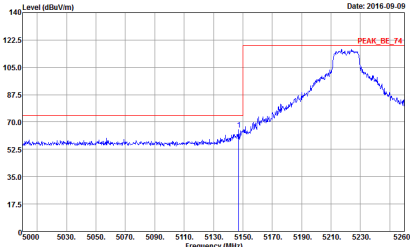
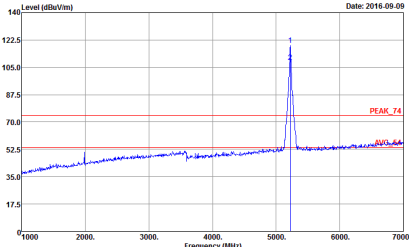
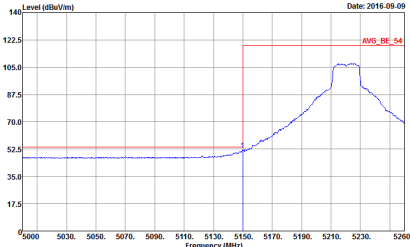
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 3	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 3	Left blank



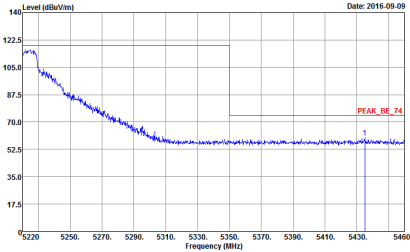
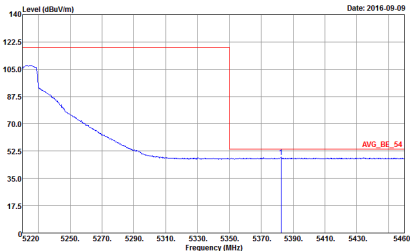
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 10 Setting : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 10 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 10 Setting : 18	Left blank

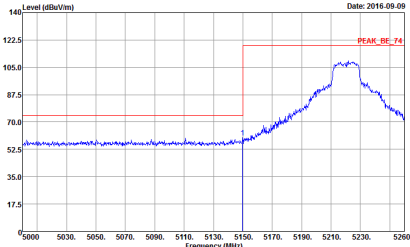
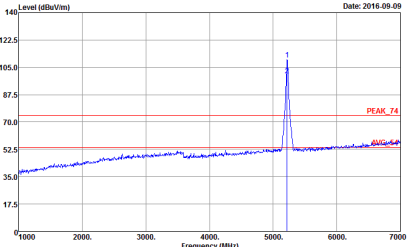
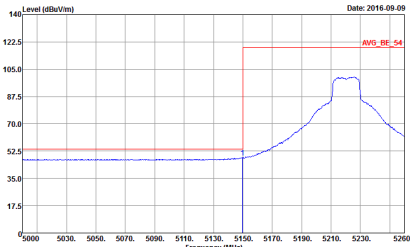
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 10 Setting : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 10 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 10 Setting : 18	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 11 Setting : 27	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 11 Setting : 27
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 11 Setting : 27	Left blank

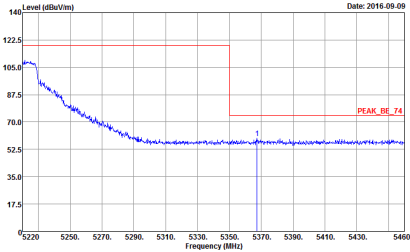
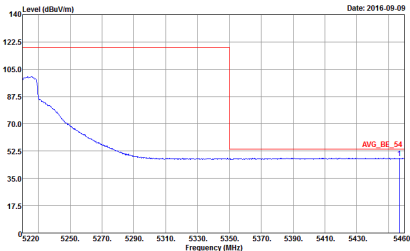


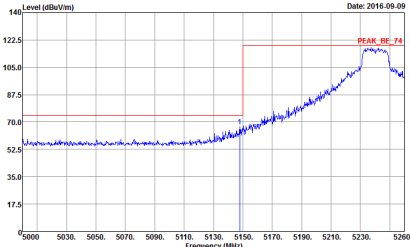
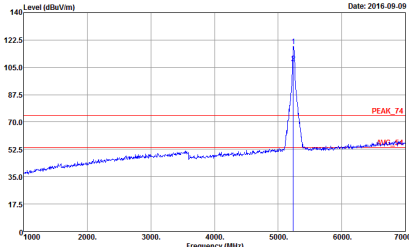
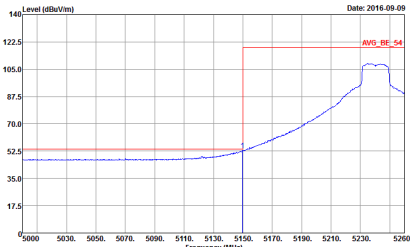
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 11 Setting : 27	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 11 Setting : 27	Left blank



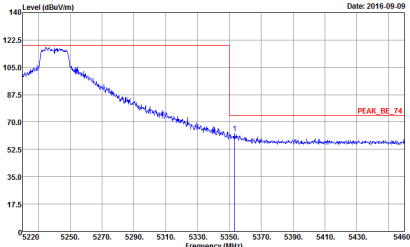
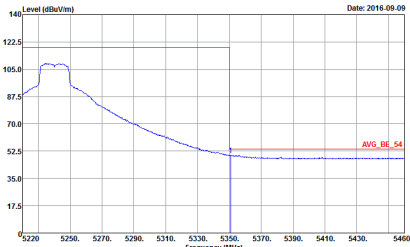
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 11 Setting : 27	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 11 Setting : 27
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 11 Setting : 27	Left blank

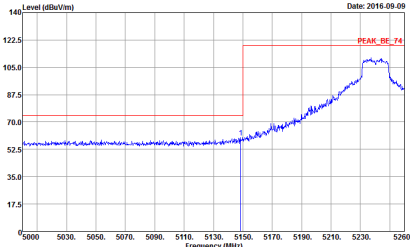
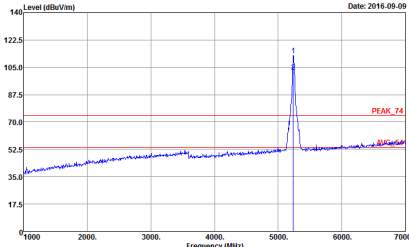
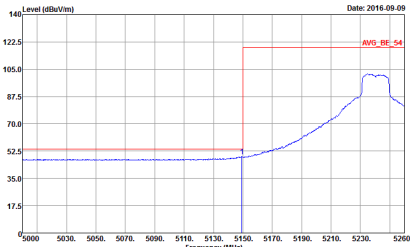


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 11 Setting : 27	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VSW:1.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 11 Setting : 27	Left blank

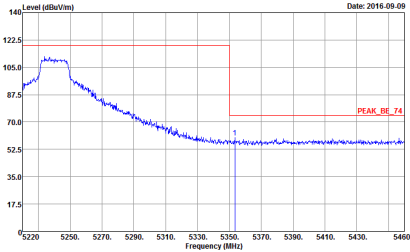
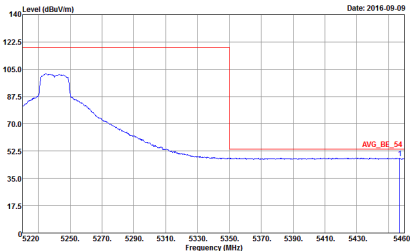
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 12	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 12	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 12	Left blank

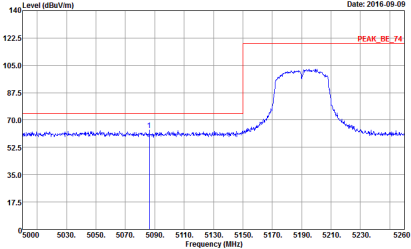
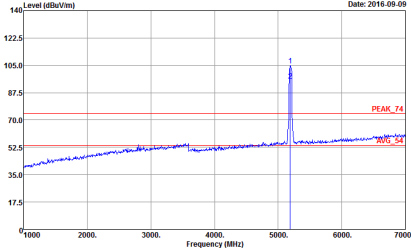
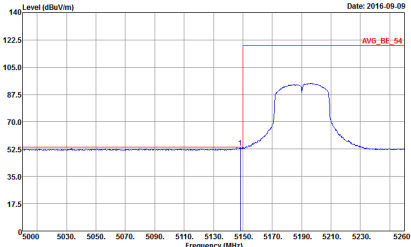
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 12	Left blank



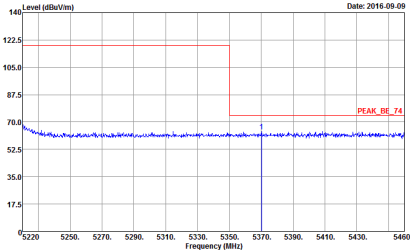
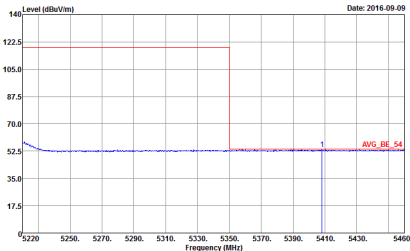
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 12	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 12	Left blank



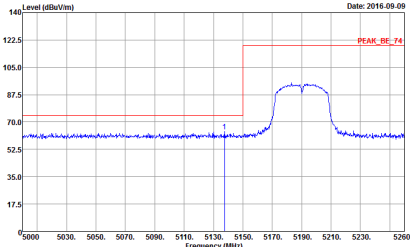
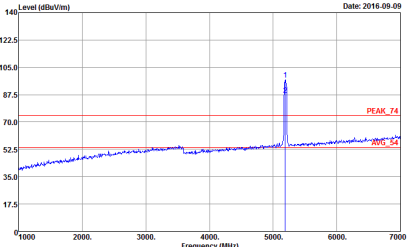
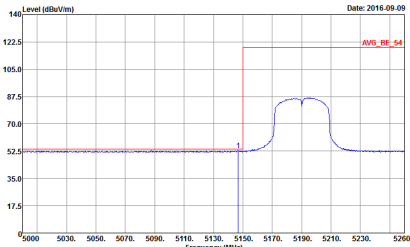
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 19 Setting : 11	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 19 Setting : 11
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 19 Setting : 11	Left blank

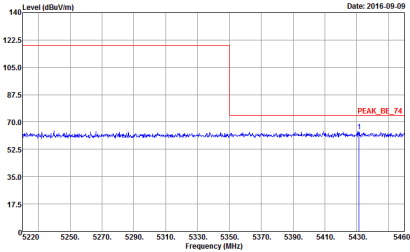
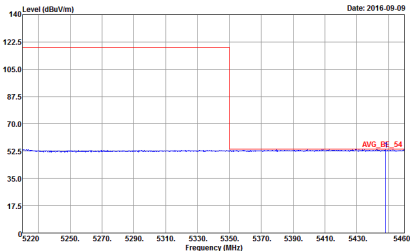


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 19 Setting : 11	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 19 Setting : 11	Left blank

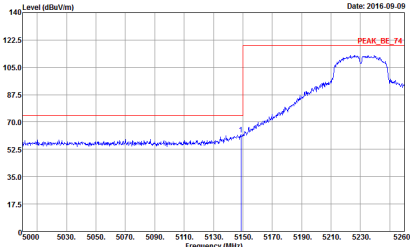
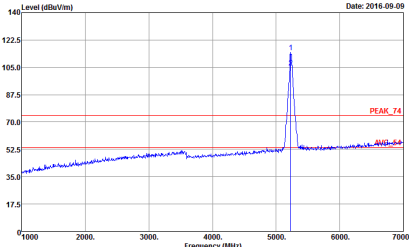
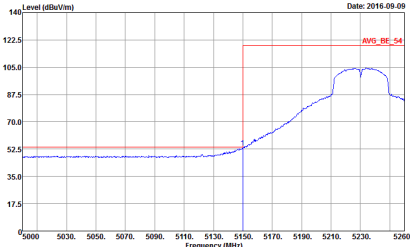


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 19 Setting : 11	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 19 Setting : 11
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 19 Setting : 11	Left blank

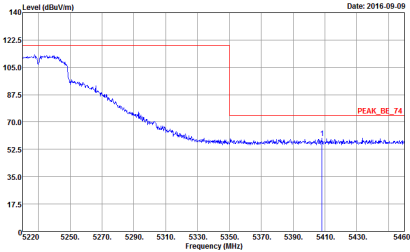
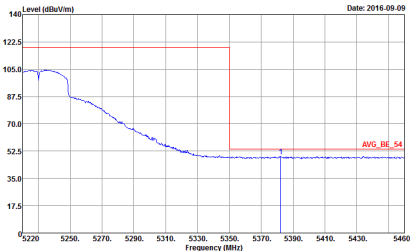


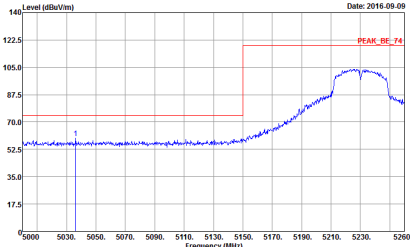
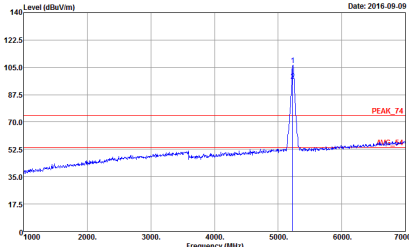
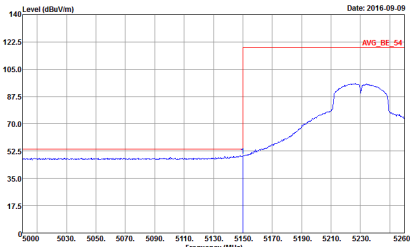
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 19 Setting : 11	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 19 Setting : 11	Left blank



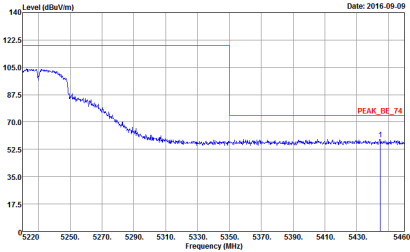
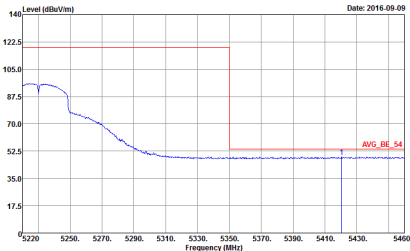
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 20 Setting : 24	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 20 Setting : 24
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 20 Setting : 24	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 20 Setting : 24	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 20 Setting : 24	Left blank

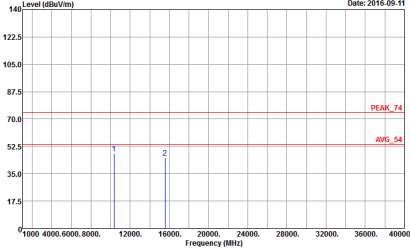
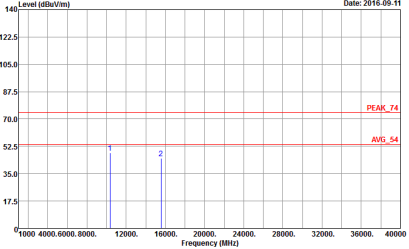
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 20 Setting : 24	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 20 Setting : 24
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 20 Setting : 24	Left blank



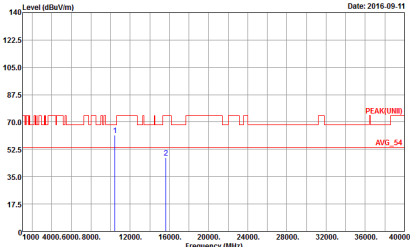
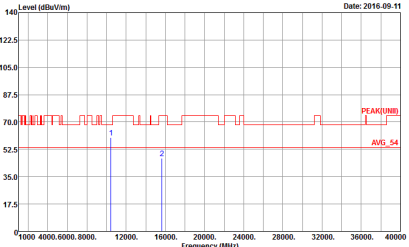
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 20 Setting : 24	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 20 Setting : 24	Left blank



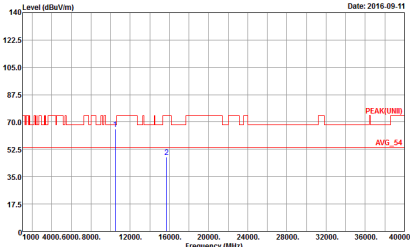
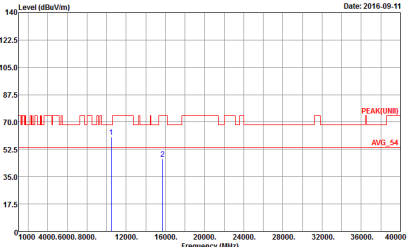
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 1 Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 1 Setting : 17



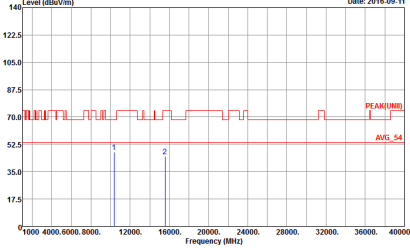
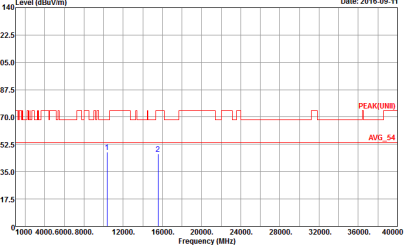
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 2 Setting : 28	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 2 Setting : 28



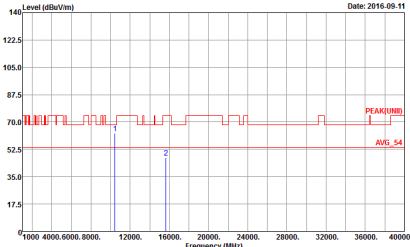
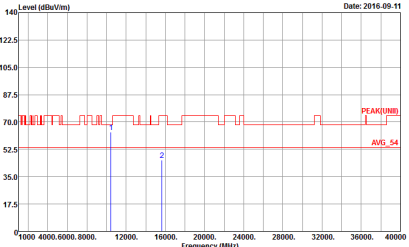
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 3 Setting : 30	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 3 Setting : 30



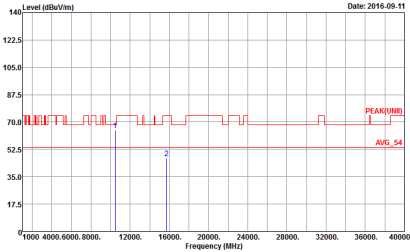
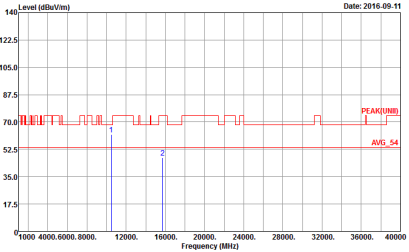
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 HORIZONTAL Detector : Peak Project : 681313 Mode : 10 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 VERTICAL Detector : Peak Project : 681313 Mode : 10 Setting : 18



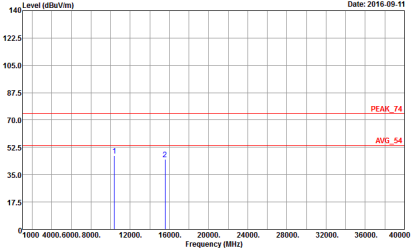
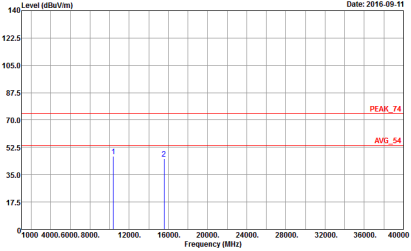
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 11 Setting : 27	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 11 Setting : 27



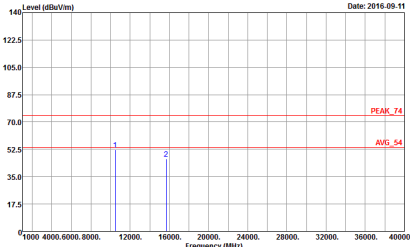
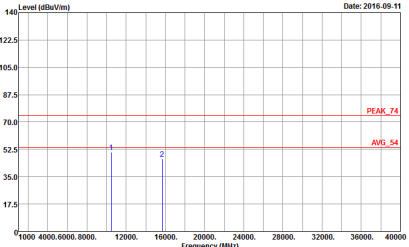
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 12 Setting : 30	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 12 Setting : 30



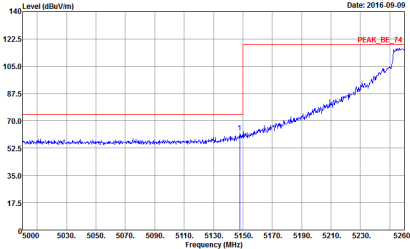
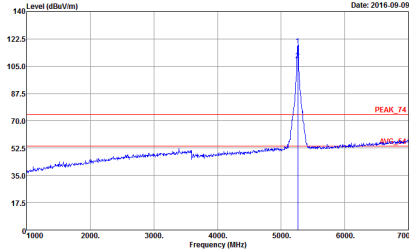
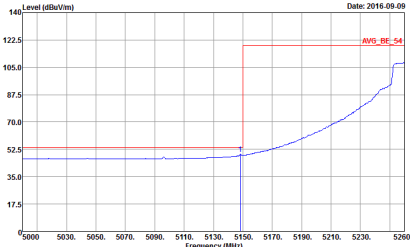
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 19 Setting : 13	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 19 Setting : 13

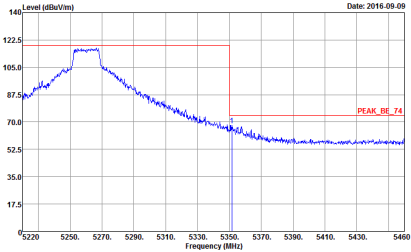
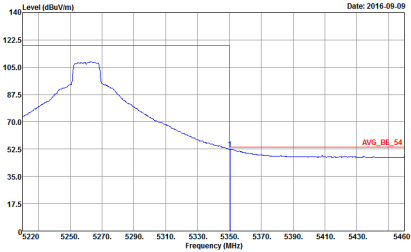


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 20 Setting : 24	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 20 Setting : 24

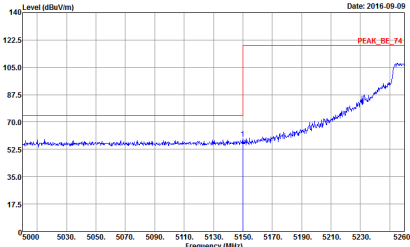
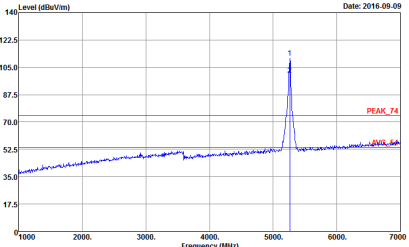
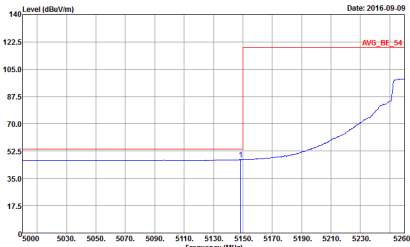
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 4	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 4
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 4	Left blank

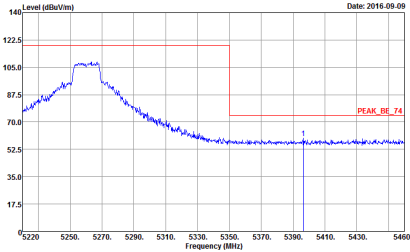
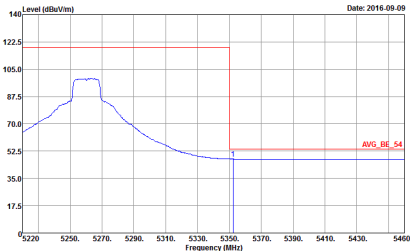


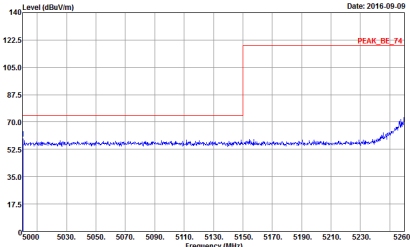
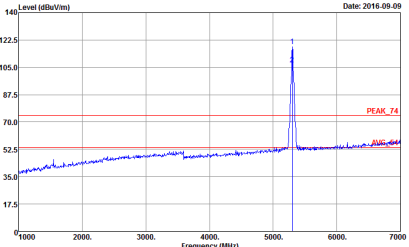
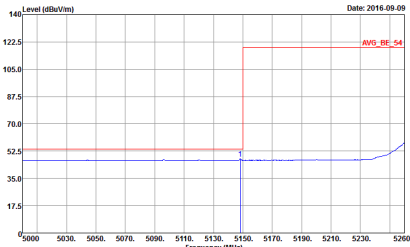
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 4	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 4	Left blank



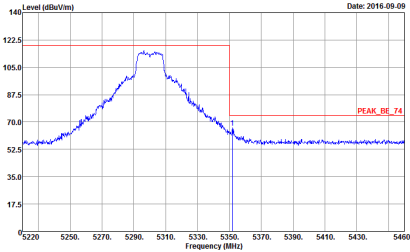
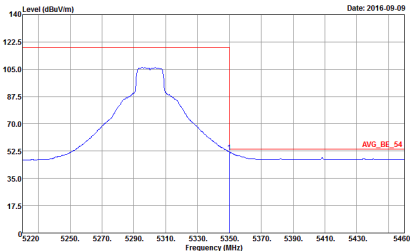
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 4	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 4
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 4	Left blank



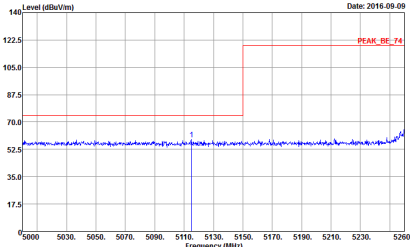
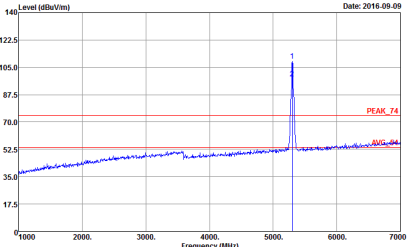
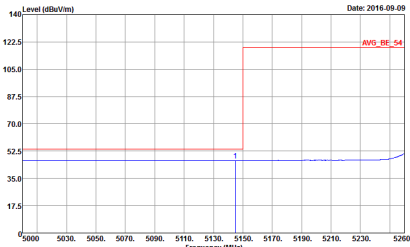
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 4	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 4	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : S Setting : 25	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : S Setting : 25
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : S Setting : 25	Left blank

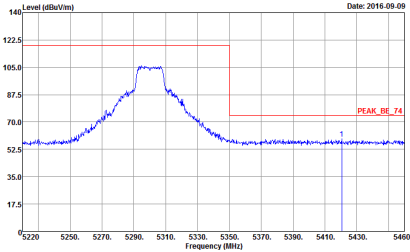
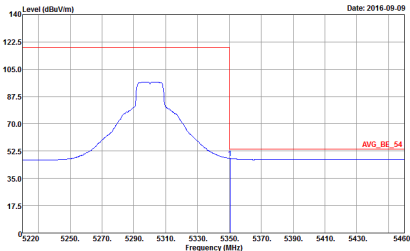


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VSW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 5 Setting : 25	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VSW:6.010KHz SWT:Auto Detector : Peak Project : 681313 Mode : 5 Setting : 25	Left blank

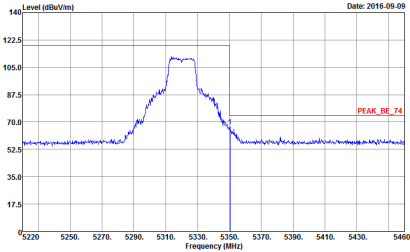
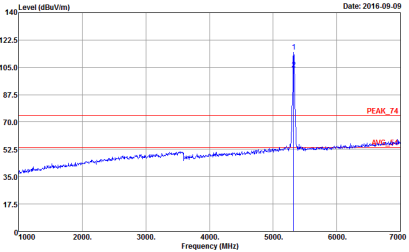
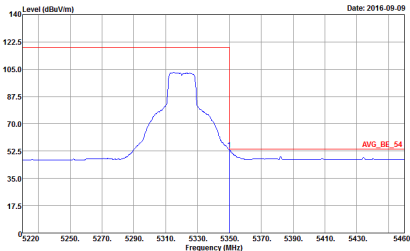


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : S Setting : 25	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : S Setting : 25
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 681313 Mode : S Setting : 25	Left blank

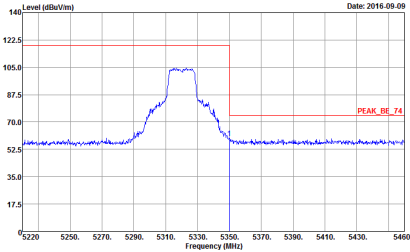
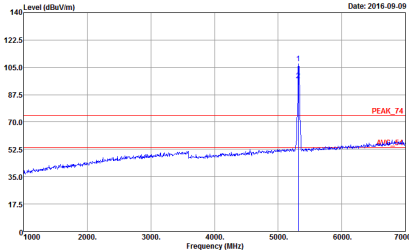
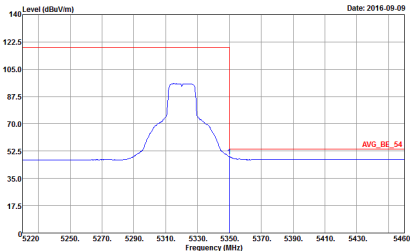


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 5 Setting : 25	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 681313 Mode : 5 Setting : 25	Left blank



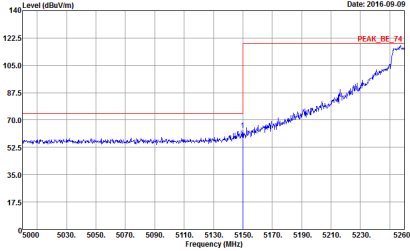
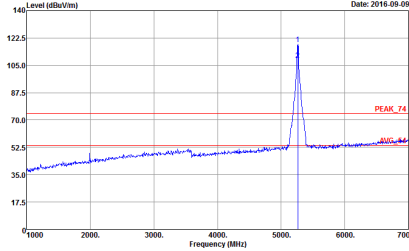
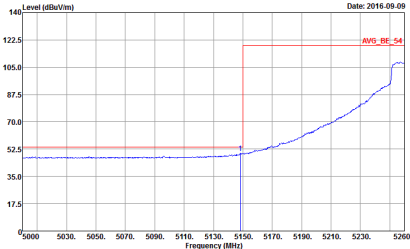
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 6 Setting : 19	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 6 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 681313 Mode : 6 Setting : 19	Left blank



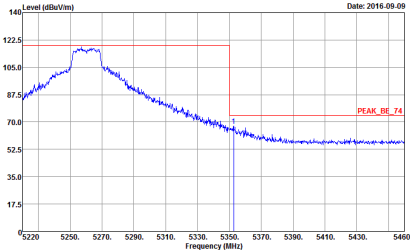
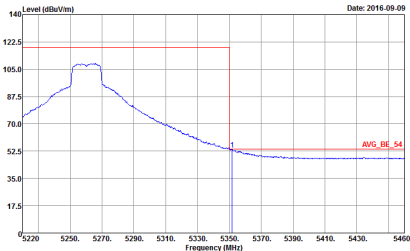
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 6 Setting : 19	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 6 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 681313 Mode : 6 Setting : 19	Left blank

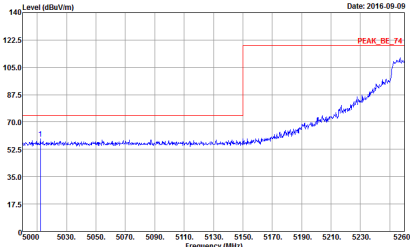
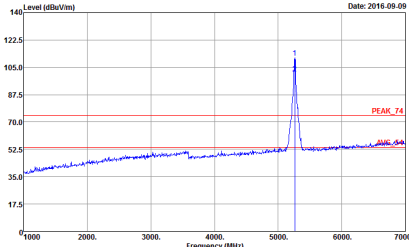
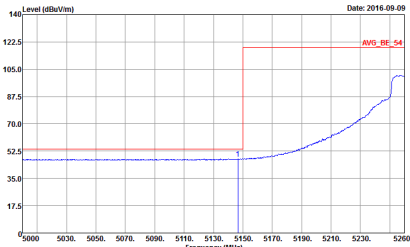


Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

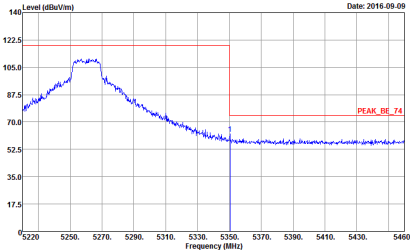
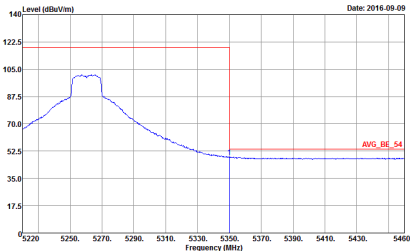
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 13	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 13
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 13	Left blank



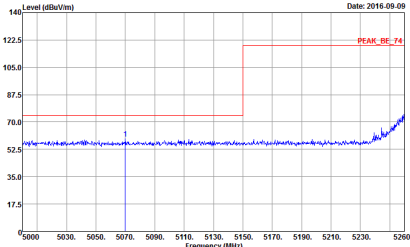
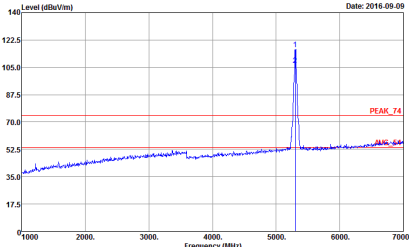
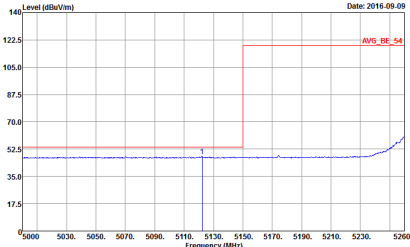
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 13	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 13	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 13	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 13
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 13	Left blank

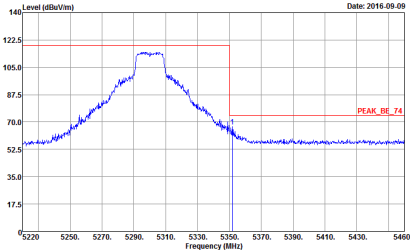
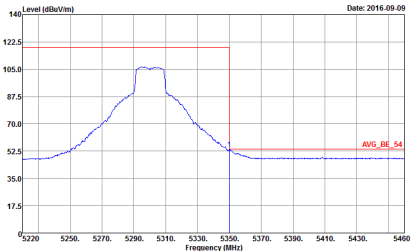


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 13	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 13	Left blank

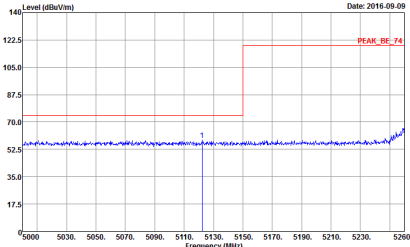
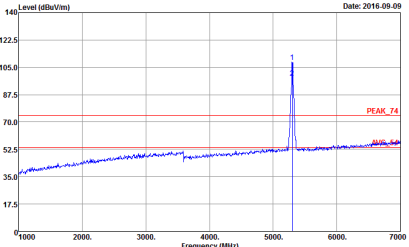
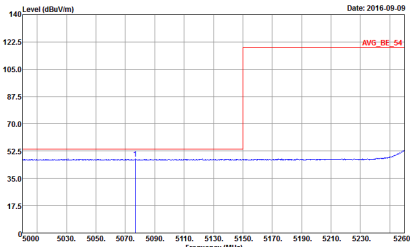


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 14 Setting : 25	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 14 Setting : 25
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 14 Setting : 25	Left blank

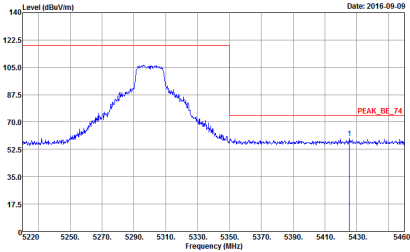
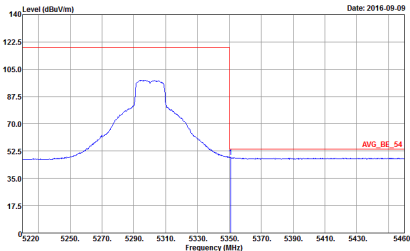


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 14 Setting : 25	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 14 Setting : 25	Left blank

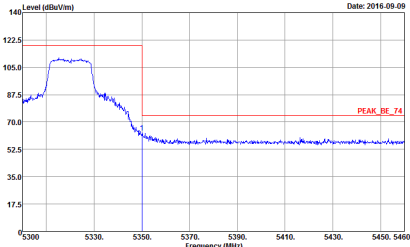
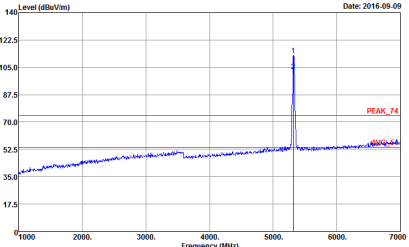
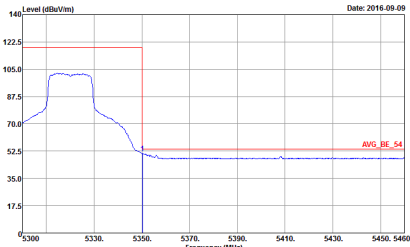


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 14 Setting : 25	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 14 Setting : 25
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 14 Setting : 25	Left blank

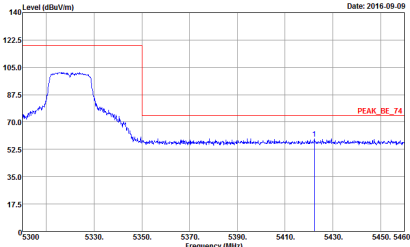
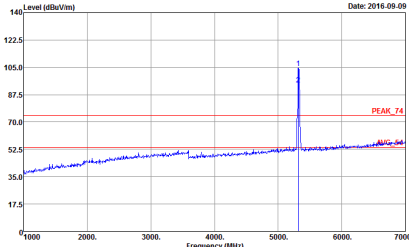
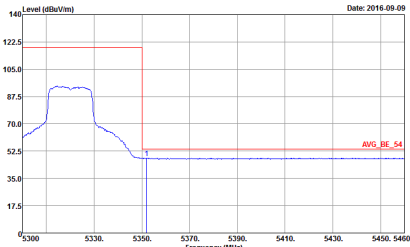


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 14 Setting : 25	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 14 Setting : 25	Left blank



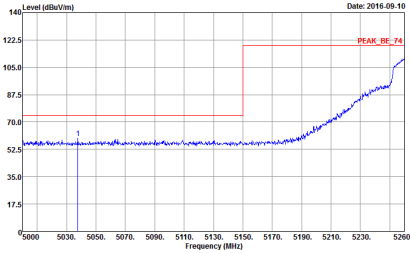
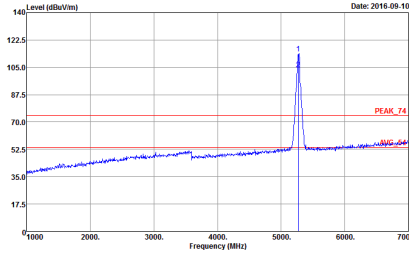
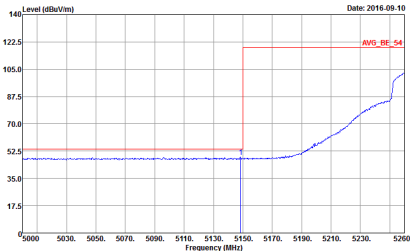
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 15 Setting : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 15 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 15 Setting : 18	Left blank



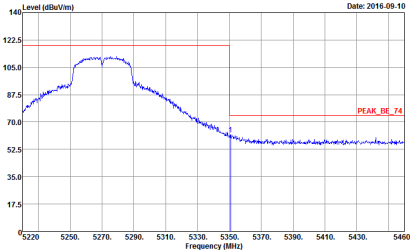
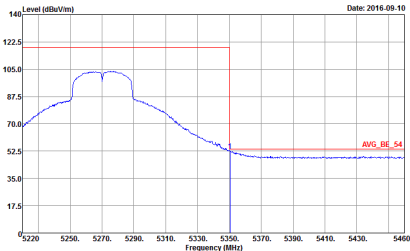
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 15 Setting : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 15 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 15 Setting : 18	Left blank



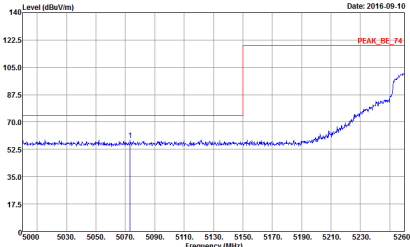
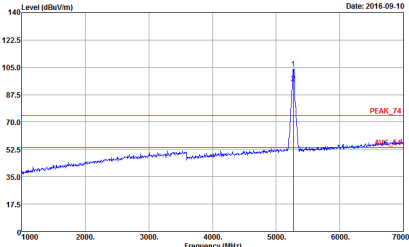
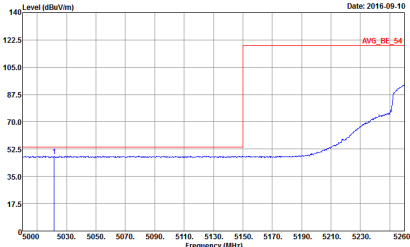
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 21 Setting : 23	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 21 Setting : 23
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 21 Setting : 23	Left blank

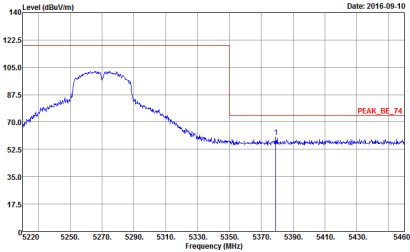
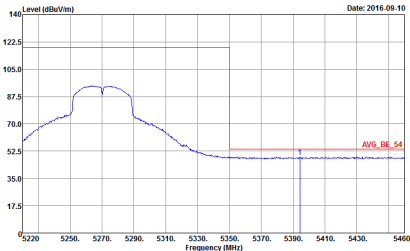


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 21 Setting : 23	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 21 Setting : 23	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 21 Setting : 23	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 21 Setting : 23
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 21 Setting : 23	Left blank

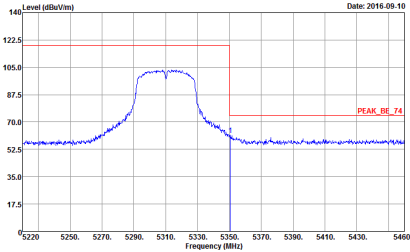
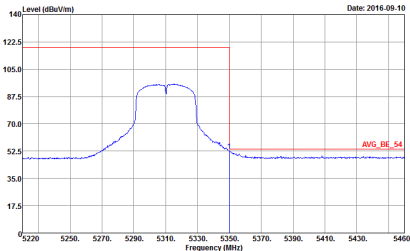


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 21 Setting : 23	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 21 Setting : 23	Left blank

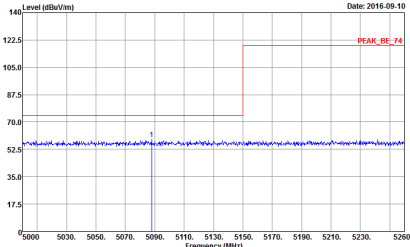
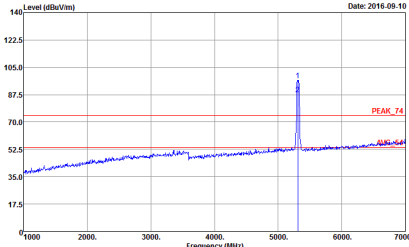
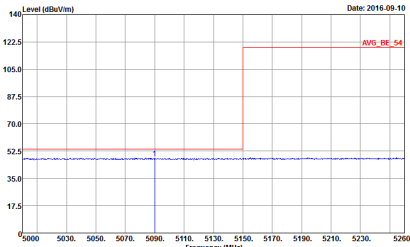


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 22 Setting : 13	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 22 Setting : 13
Avg.	Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 22 Setting : 13	Left blank

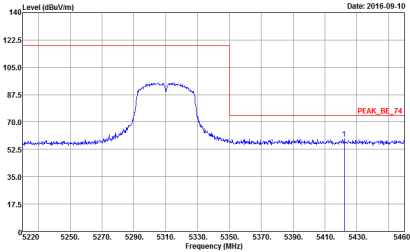
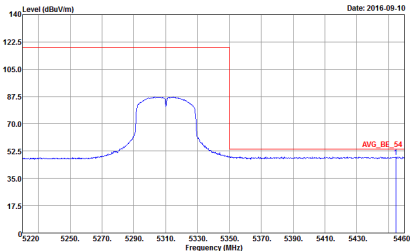


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 22 Setting : 13	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 22 Setting : 13	Left blank



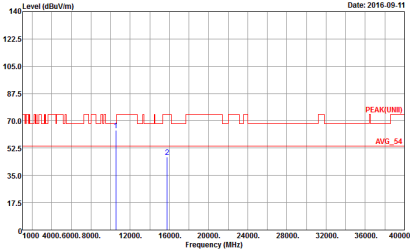
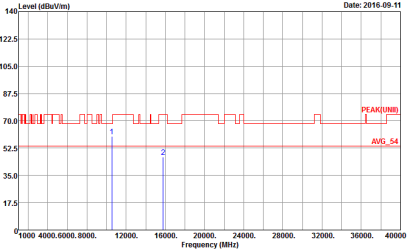
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 22 Setting : 13	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 22 Setting : 13
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 22 Setting : 13	Left blank



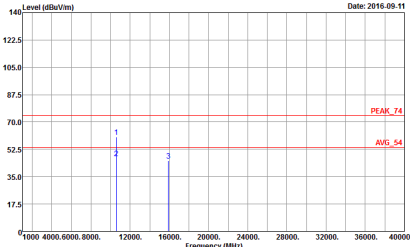
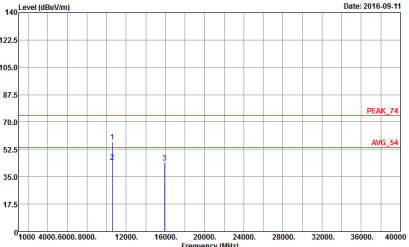
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 22 Setting : 13	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 22 Setting : 13	Left blank



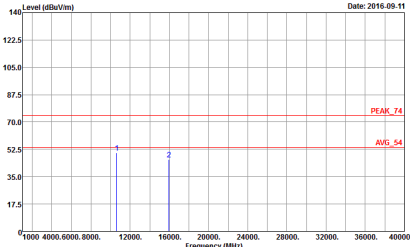
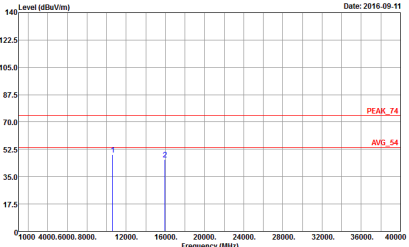
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 4 Setting : 30	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 4 Setting : 30



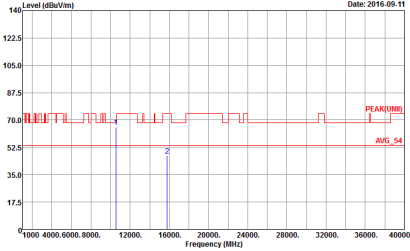
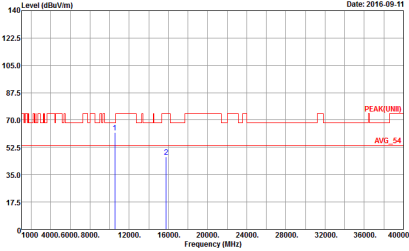
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 5 Setting : 25	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 5 Setting : 25



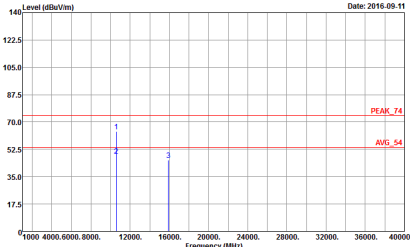
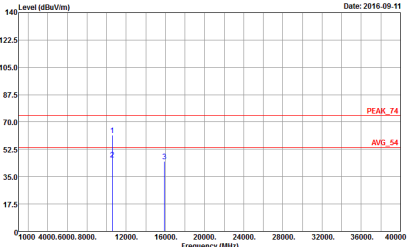
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 6 Setting : 19	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 6 Setting : 19



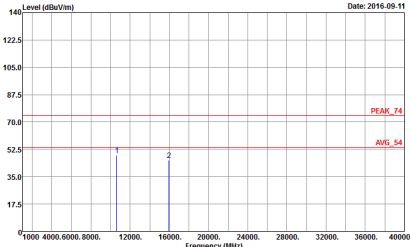
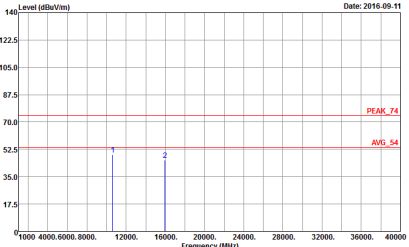
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 HORIZONTAL Detector : Peak Project : 681313 Mode : 13 Setting : 30	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 VERTICAL Detector : Peak Project : 681313 Mode : 13 Setting : 30



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 14 Setting : 25	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 14 Setting : 25



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 15 Setting : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 15 Setting : 18



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

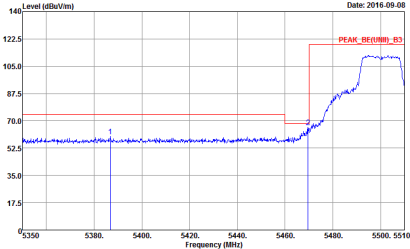
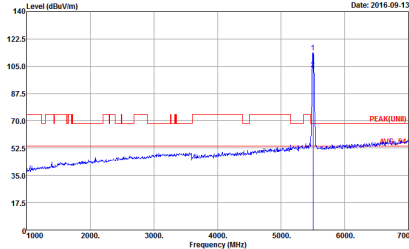
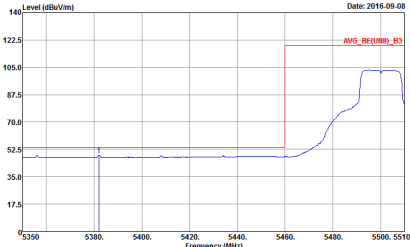
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-09-11 Frequency (MHz) Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 21 Setting : 23	Level (dBuV/m) Date: 2016-09-11 Frequency (MHz) Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 21 Setting : 23



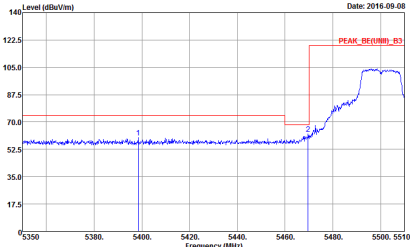
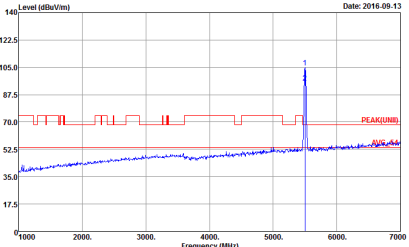
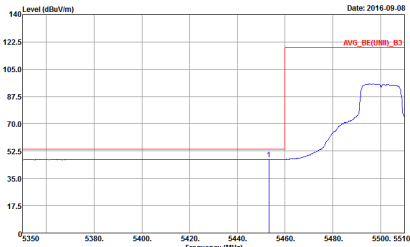
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 22 Setting : 13	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 22 Setting : 13



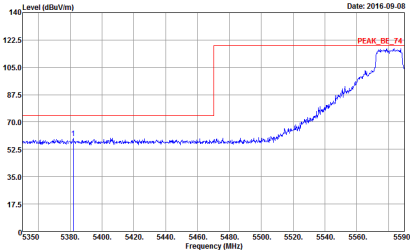
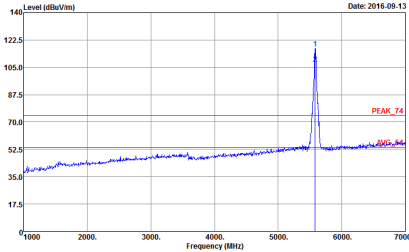
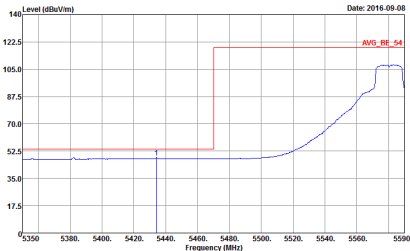
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 7 Setting : 18 : 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 7 Setting : 18 : 68.2_78.2
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 7 Setting : 18 : 68.2_78.2	Left blank

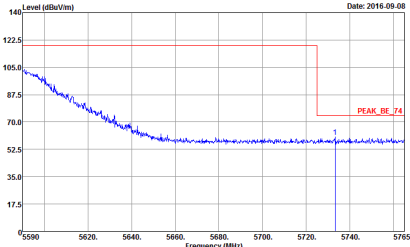
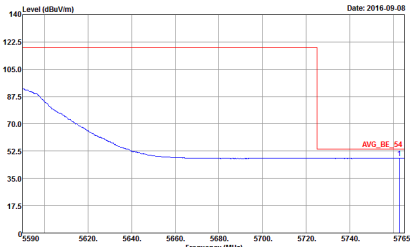


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 7 Setting : 18 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 7 Setting : 18 68.2_78.2
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 7 Setting : 18 68.2_78.2	Left blank

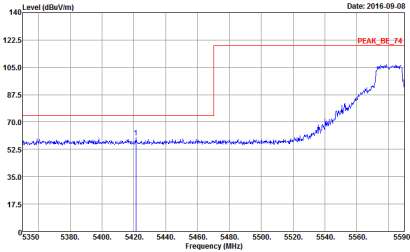
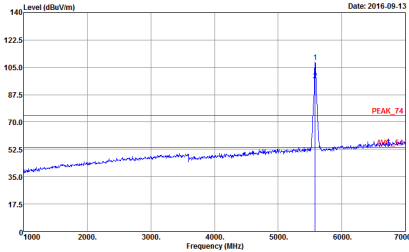
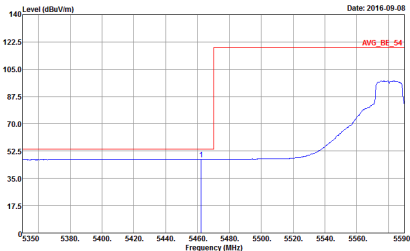


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 8 Setting : 30	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 8 Setting : 30
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 8 Setting : 30	Left blank

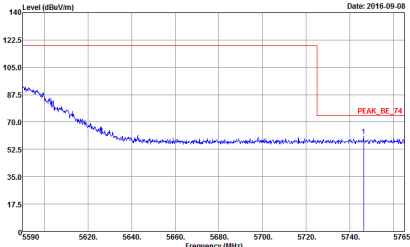
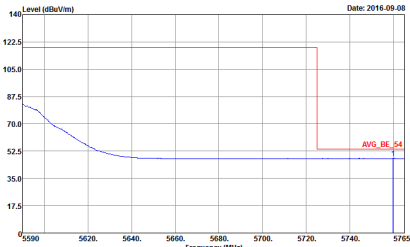


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 8 Setting : 30	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 8 Setting : 30	Left blank

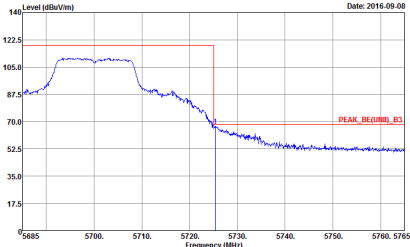
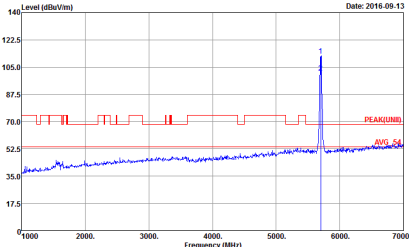


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 8 Setting : 30	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 8 Setting : 30
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 681313 Mode : 8 Setting : 30	Left blank

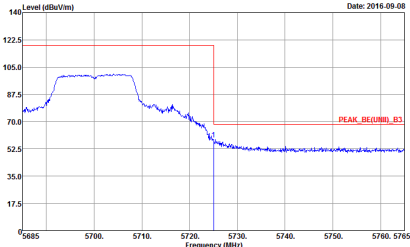
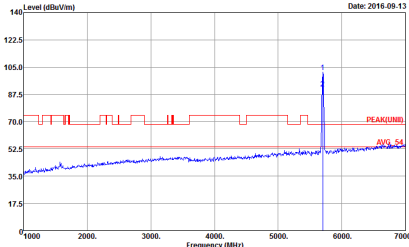


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 8 Setting : 30	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 8 Setting : 30	Left blank



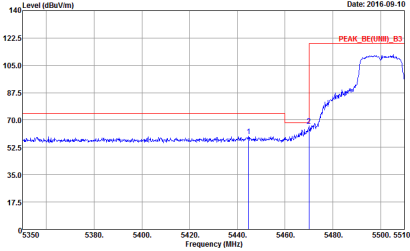
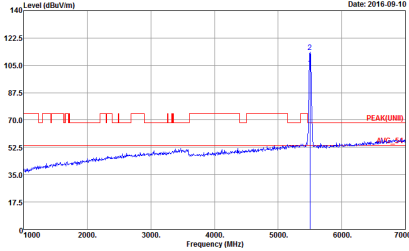
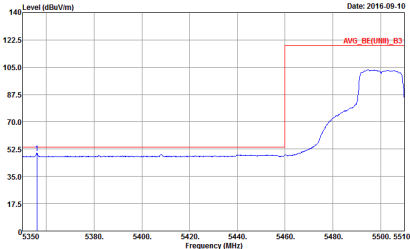
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site Condition : 03CH12-HY : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 9 Setting : 18 : 68.2_78.2	 Site Condition : 03CH12-HY : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 9 Setting : 18 : 68.2_78.2



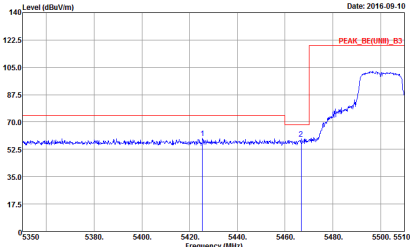
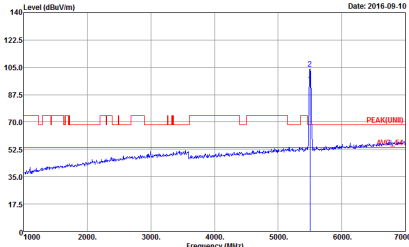
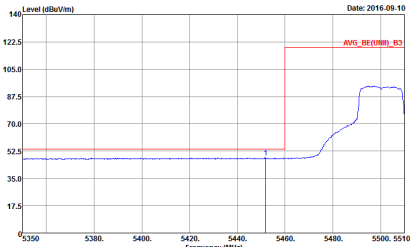
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site Condition : 03CH12-HY : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 9 Setting : 18 : 68.2_78.2	 Site Condition : 03CH12-HY : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 9 Setting : 18 : 68.2_78.2



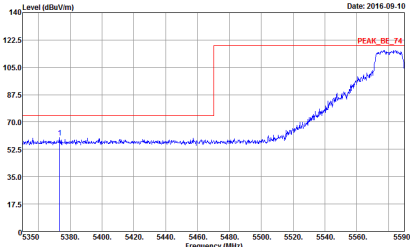
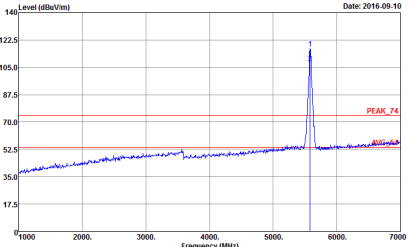
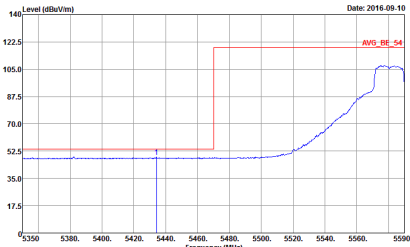
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 16 Setting : 19 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT)_3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 16 Setting : 19 68.2_78.2
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 16 Setting : 19 68.2_78.2	Left blank

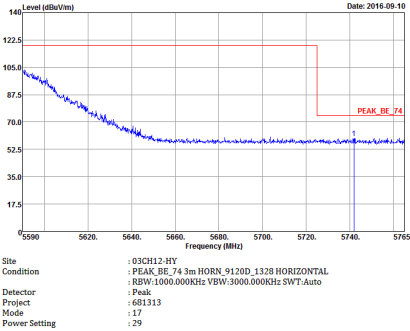
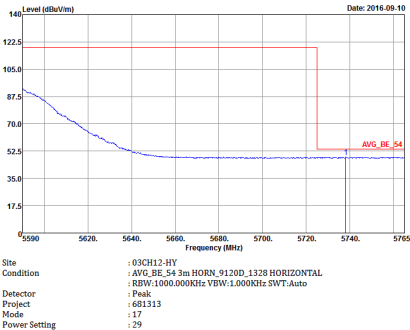


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 16 Setting : 19 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 16 Setting : 19 68.2_78.2
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 16 Setting : 19 68.2_78.2	Left blank

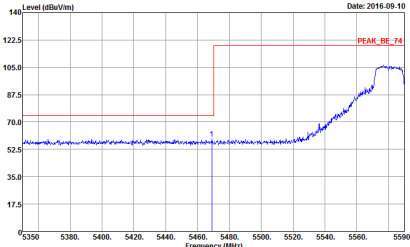
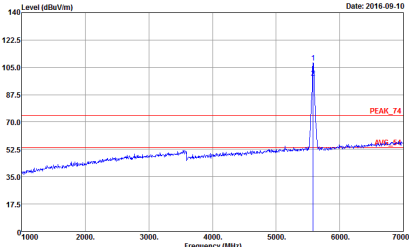
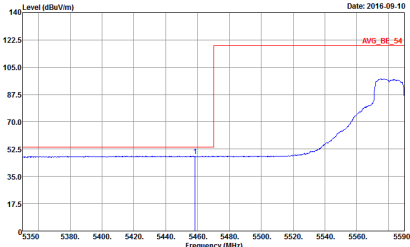


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 17	Left blank

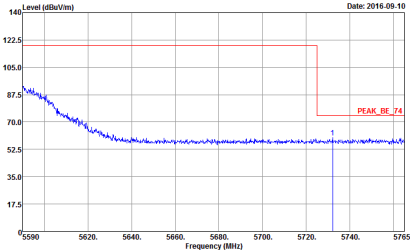
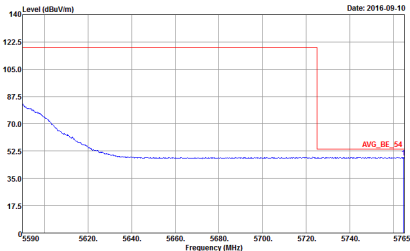


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

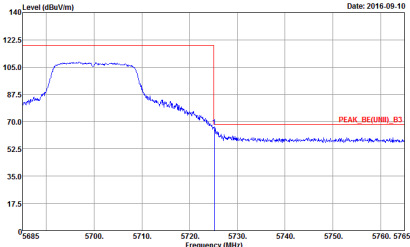
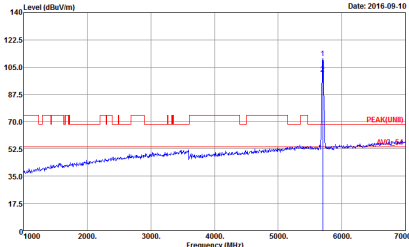


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 29	Left blank

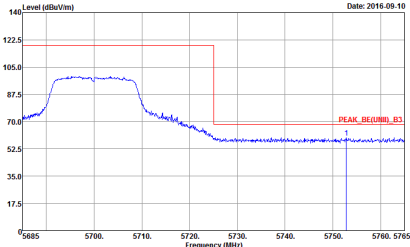
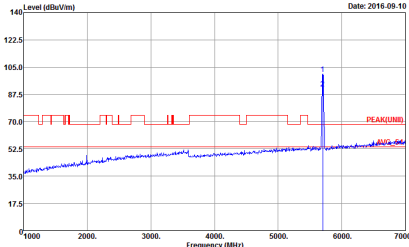


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 17 Date: 2016-08-10	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 681313 Power Setting : 17 Date: 2016-08-10	Left blank



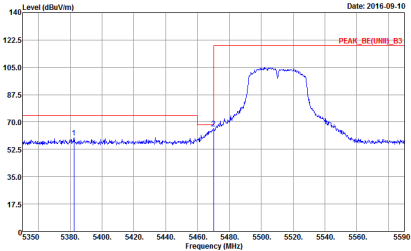
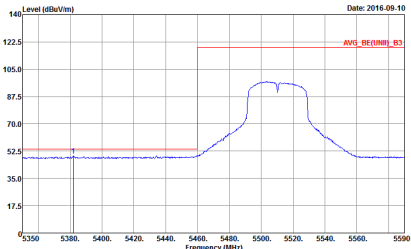
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site Condition : 03CH12-HY : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 19 Setting : 17 : 68.2_78.2	 Site Condition : 03CH12-HY : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 19 Setting : 17 : 68.2_78.2

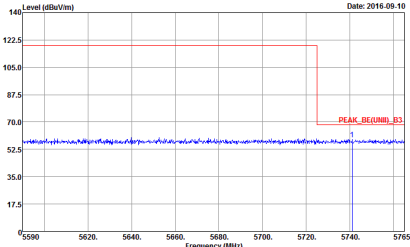
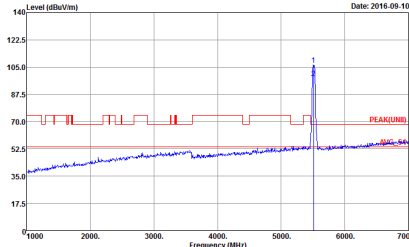


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site Condition : 03CH12-HY : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 19 Setting : 17 : 68.2_78.2	 Site Condition : 03CH12-HY : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 19 Setting : 17 : 68.2_78.2

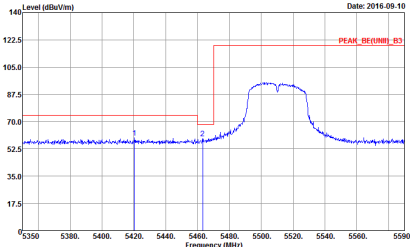
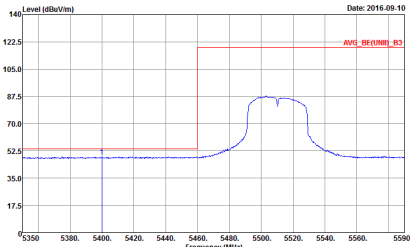


Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

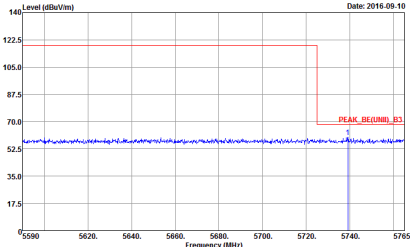
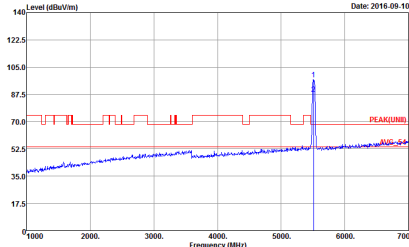
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1320 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 23 Setting : 15 : 68.2_78.2	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 23 Setting : 15 : 68.2_78.2	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_R3 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 23 Setting : 15 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 23 Setting : 15 68.2_78.2

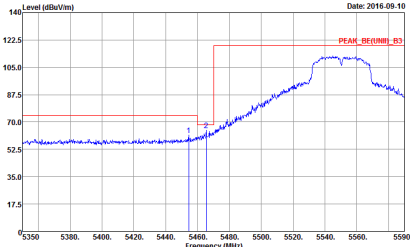
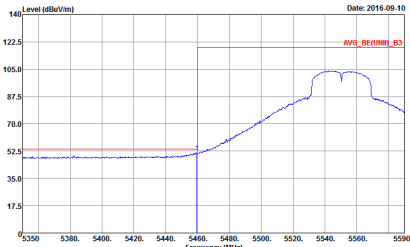


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Setting : 23 -15 -68.2_78.2	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 681313 Setting : 23 -15 -68.2_78.2	Left blank

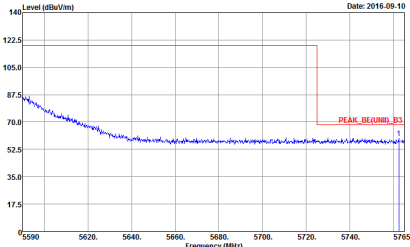
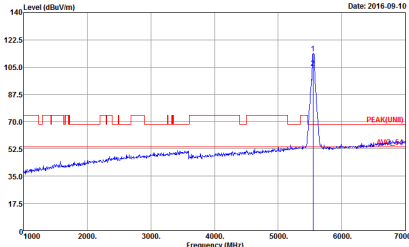


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 23 Setting : 15 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 23 Setting : 15 68.2_78.2

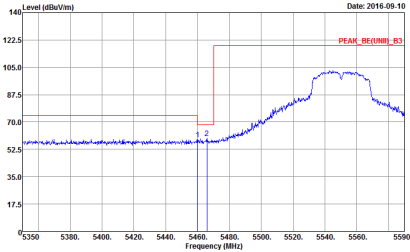
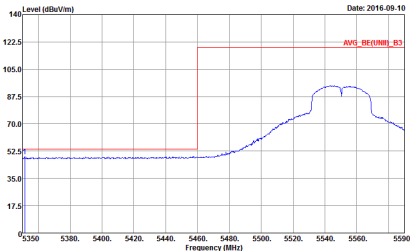


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2	Left blank

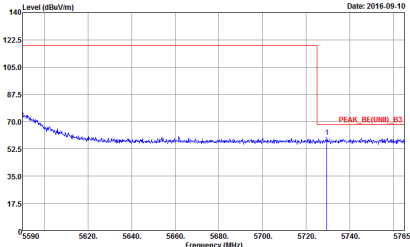
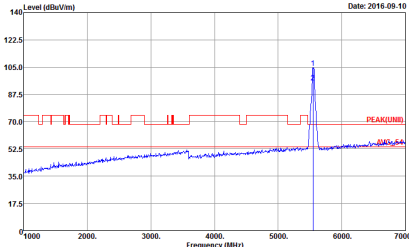


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_R3 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2

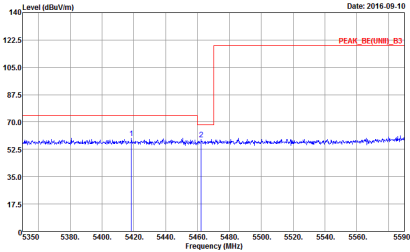
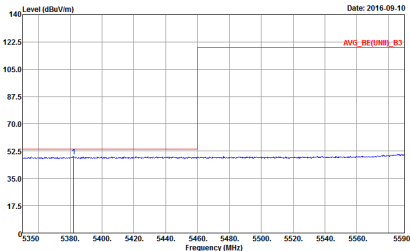


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2	Left blank

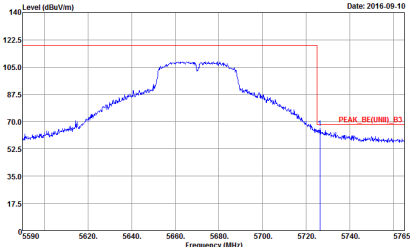
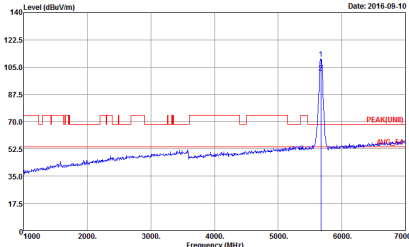


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2

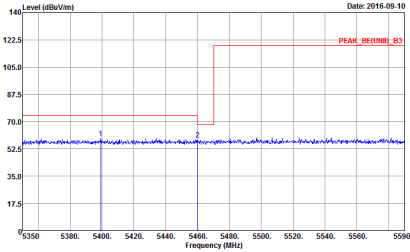
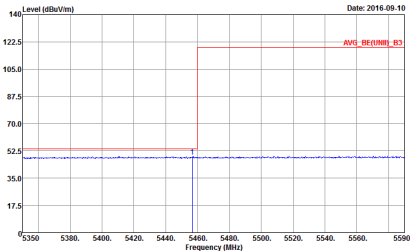


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 25 Setting : 68.2_78.2	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 25 Setting : 68.2_78.2	Left blank

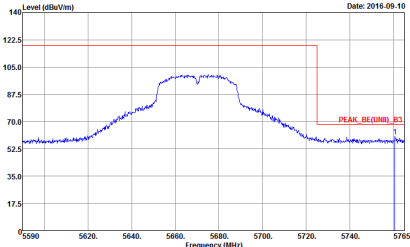
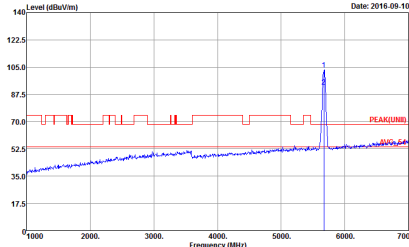


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 25 Setting : 20 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 25 Setting : 20 68.2_78.2



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 25 Setting : 68.2_78.2	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 25 Setting : 68.2_78.2	Left blank

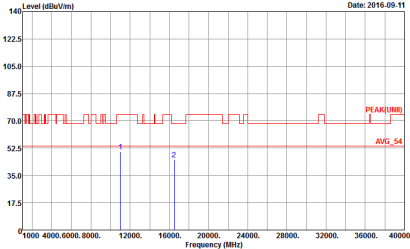
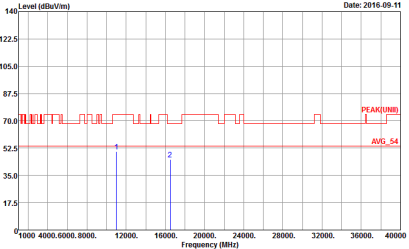


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 25 Setting : 20 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 681313 Mode : 25 Setting : 20 68.2_78.2



Band 3 - 5470~5725MHz

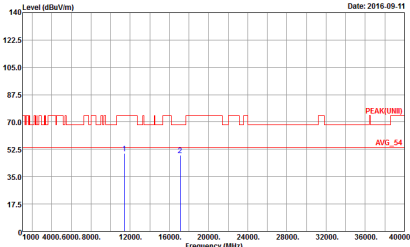
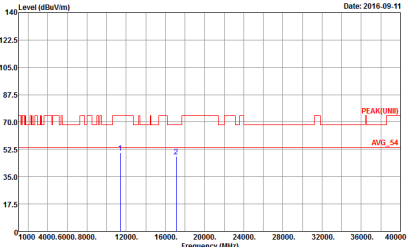
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 7 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 7 Setting : 18

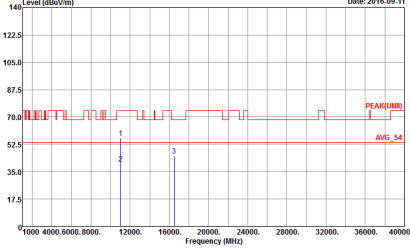
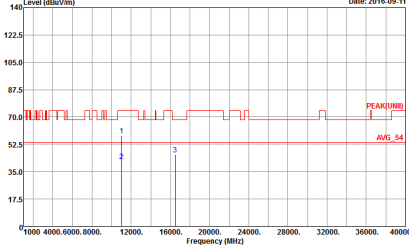


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 8 Setting : 30	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 8 Setting : 30



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 9 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 9 Setting : 18

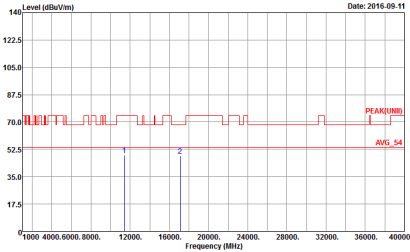
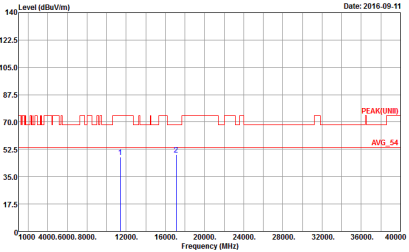
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 HORIZONTAL Detector : Peak Project : 681313 Mode : 16 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 VERTICAL Detector : Peak Project : 681313 Mode : 16 Setting : 19



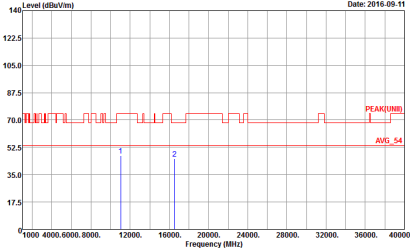
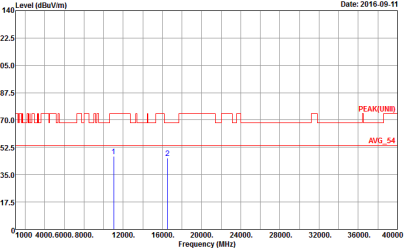
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 17 Setting : 29	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 17 Setting : 29



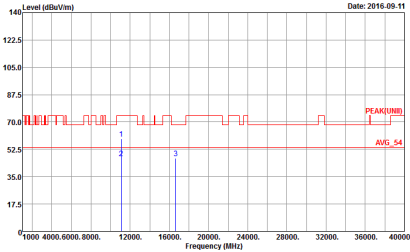
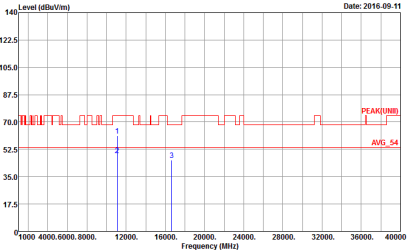
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 18 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 18 Setting : 17



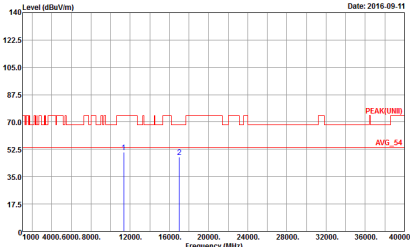
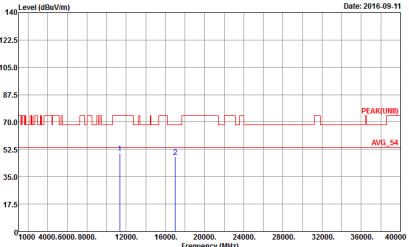
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 HORIZONTAL Detector : Peak Project : 681313 Mode : 23 Setting : 15 68.2, 78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1320 VERTICAL Detector : Peak Project : 681313 Mode : 23 Setting : 15 68.2, 78.2



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 24 Setting : 25 68.2_78.2



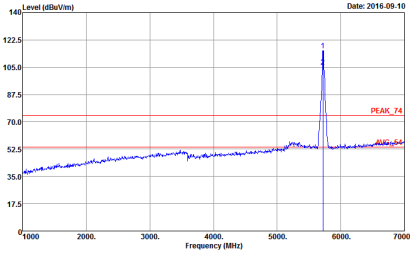
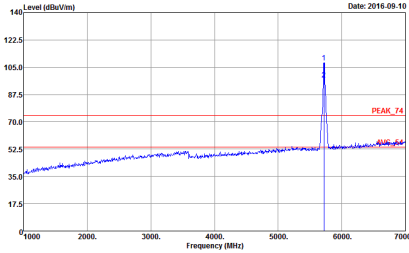
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 25 Setting : 20 68.2_78.2	 Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 25 Setting : 20 68.2_78.2



Band 3 5470~5725MHz

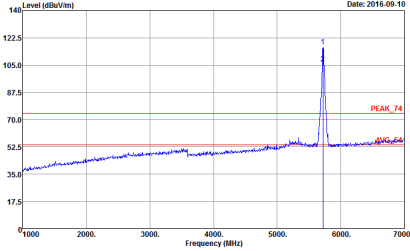
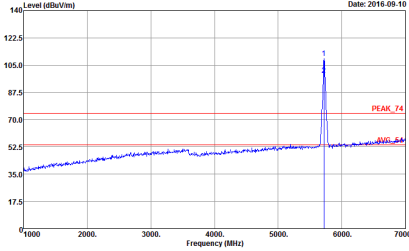
Band 3 - Straddle Channel

WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 26 Setting : 30	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 26 Setting : 30



Band 3 – Straddle Channel
WIFI 802.11n HT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SVT:Auto Project : Peak Mode : 681313 Setting : 27 30	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SVT:Auto Project : Peak Mode : 681313 Setting : 27 30

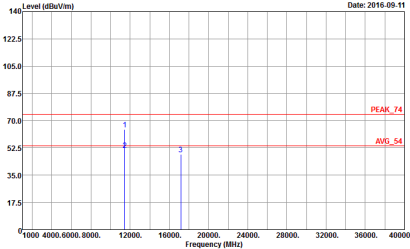
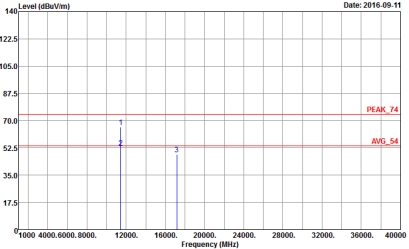


Band 3 – Straddle Channel
WIFI 802.11n HT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Setting : 28 30	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 681313 Setting : 28 30



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 26 Setting : 30	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 26 Setting : 30

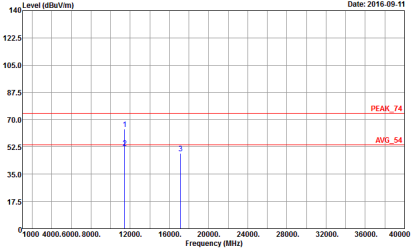
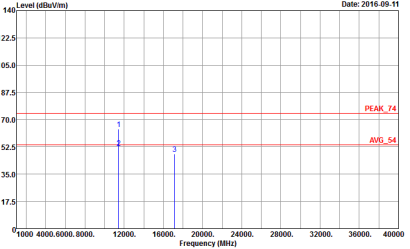


Band 3 – Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-09-11 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 27 Setting : 30	Level (dBuV/m) Date: 2016-09-11 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 27 Setting : 30



Band 3 – Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

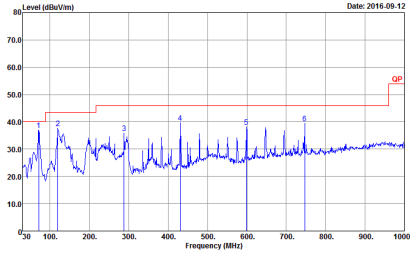
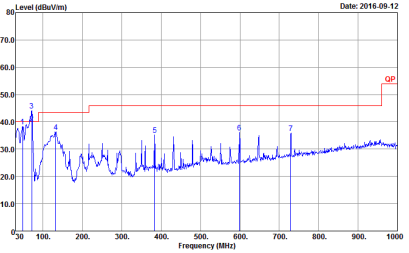
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 681313 Mode : 20 Setting : 30	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 681313 Mode : 20 Setting : 30



Band 3 – Straddle Channel

Emission below 1GHz

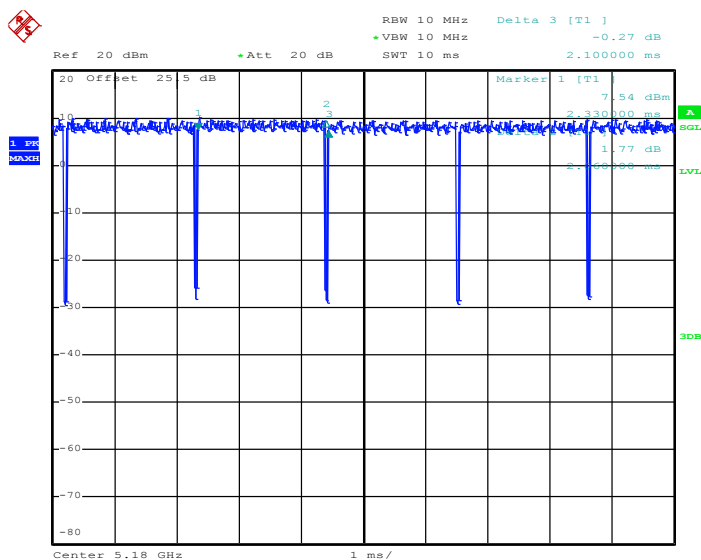
5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH12-HY Condition : QP 3m BILOG_6111D_37059 HORIZONTAL Detector : Peak Project : 681313 Mode : 29	 Site : 03CH12-HY Condition : QP 3m BILOG_6111D_37059 VERTICAL Detector : Peak Project : 681313 Mode : 29

Appendix E. Duty Cycle Plots

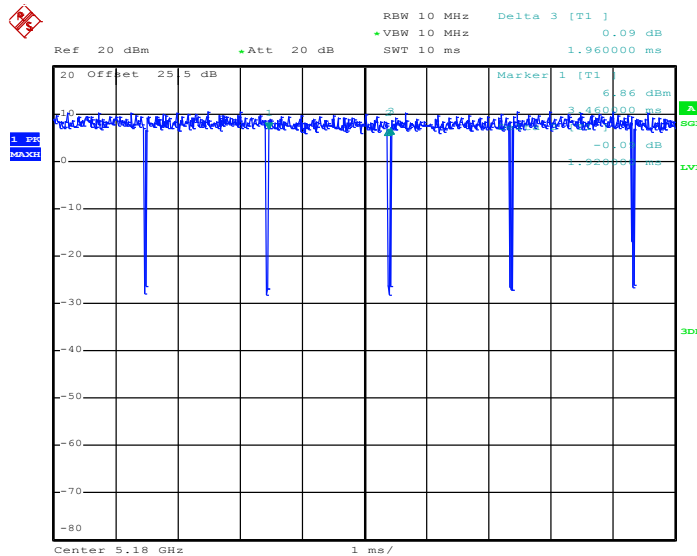
Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11a	98.10	-	-	10Hz
5GHz 802.11n HT20	97.96	1920.00	0.52	1kHz
5GHz 802.11n HT40	95.96	950.00	1.05	3kHz

802.11a



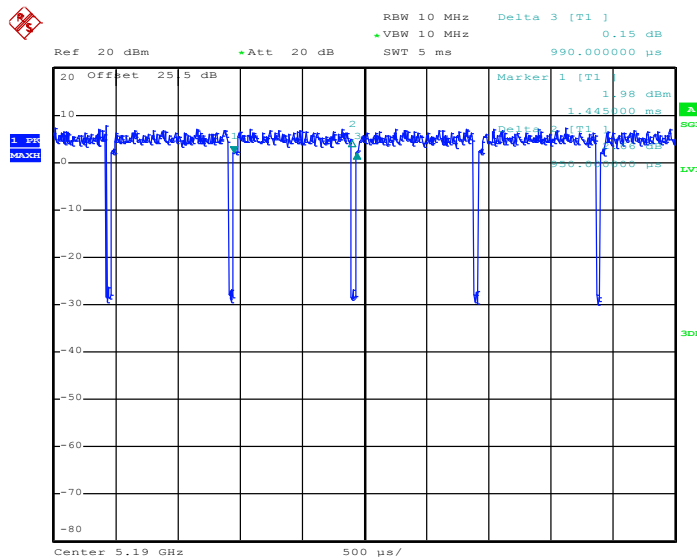
Date: 18.AUG.2016 21:32:02

802.11n HT20



Date: 18.AUG.2016 21:34:27

802.11n HT40



Date: 18.AUG.2016 21:37:11