



FCC RF Test Report

APPLICANT : Wistron Corporation
EQUIPMENT : Notebook Computer
BRAND NAME : Lenovo
MODEL NAME : TP00076C
FCC ID : PU5-TP00076CUC
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

Equipment: Sierra Wireless EM7455 and Intel 8265NGW tested inside of Lenovo Notebook Computer

This is a partial report which is included the conducted emission and radiated emission test items. The product was received on Nov. 03, 2016 and testing was completed on Dec. 02, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

SPORTON INTERNATIONAL INC.

TEL : 886-3-327-3456

FAX : 886-3-328-4978

FCC ID : PU5-TP00076CUC

Page Number : 1 of 25

Report Issued Date : Dec. 19, 2016

Report Version : Rev. 01

Report Template No.: BU5-FR15EWLAC MA Version 1.4



TABLE OF CONTENTS

SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test.....	5
1.4 Product Specification of Equipment Under Test.....	6
1.5 Modification of EUT	6
1.6 Testing Location	7
1.7 Applicable Standards.....	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Carrier Frequency and Channel	8
2.2 Test Mode	9
2.3 Connection Diagram of Test System.....	11
2.4 Support Unit used in test configuration and system	12
2.5 EUT Operation Test Setup	12
3 TEST RESULT	13
3.1 Unwanted Emissions Measurement	13
3.2 AC Conducted Emission Measurement.....	18
3.3 Automatically Discontinue Transmission	22
3.4 Antenna Requirements.....	23
4 LIST OF MEASURING EQUIPMENT	24
5 UNCERTAINTY OF EVALUATION	25
APPENDIX A. RADIATED SPURIOUS EMISSION	
APPENDIX B. RADIATED SPURIOUS EMISSION PLOTS	
APPENDIX C. DUTY CYCLE PLOTS	
APPENDIX D. SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR6N0303-01D	Rev. 01	Initial issue of report	Dec. 19, 2016



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.407(b)	Unwanted Emissions	$\leq -17, -27$ dBm (depend on band)&15.209(a)	Pass	Under limit 1.12 dB at 5352.000 MHz
3.2	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 17.72 dB at 0.170 MHz
3.3	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.4	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-



1 General Description

1.1 Applicant

Wistron Corporation

21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221, Taiwan R.O.C.

1.2 Manufacturer

Wistron Corporation

21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221, Taiwan R.O.C.

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00076C
FCC ID	PU5-TP00076CUC
Integrated WWAN Module	Brand Name: Sierra Model Name: EM7455 FCC ID: N7NEM7455
Integrated WLAN Module	Brand Name: Intel Model Name: 8265NGW FCC ID: PD98265NG
EUT supports Radios application	WCDMA/HSPA/LTE WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification			
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz		
	5260 MHz ~ 5320 MHz		
	5500 MHz ~ 5720 MHz		
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)		
Antenna Function Description		Ant. 1	Ant. 2
	802.11 a/n/ac	V	V
	802.11 n/ac MIMO	V	V

Note:

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

1.5 Modification of EUT

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

1.6 Testing Location

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No. 52, Hwa Ya 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.
	CO01-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.
	03CH10-HY

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

1.7 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 644545 D03 Guidance for IEEE 802.11ac New Rules v01
- ♦ ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels (X, Y, Z) and one Notebook type. The worst cases (Notebook type for Ant. 1, Z plane for Ant. 2; X plane for Ant. 1+2) were recorded in this report.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 [#]	5690	144	5720
	142*	5710		

Note:

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

2.2 Test Mode

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

Single Antenna

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

MIMO Antenna

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Tx + TF + TC
Remark: - All the radiated test cases were performance with Antenna 3. - TF stands for Test Function, and consists of MPEG4 and Camera. - TC stands for Test Configuration, and consists of Earphone, USB (HD and iPod), Adapter, SD Card, and DP Cable.	



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

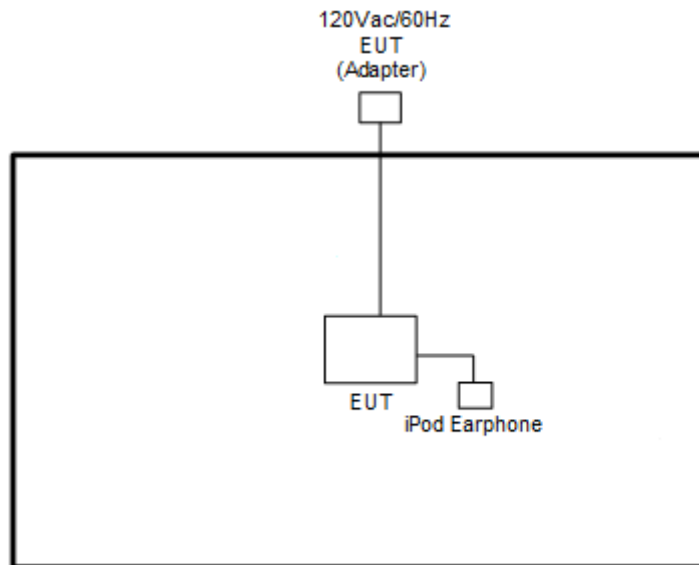
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

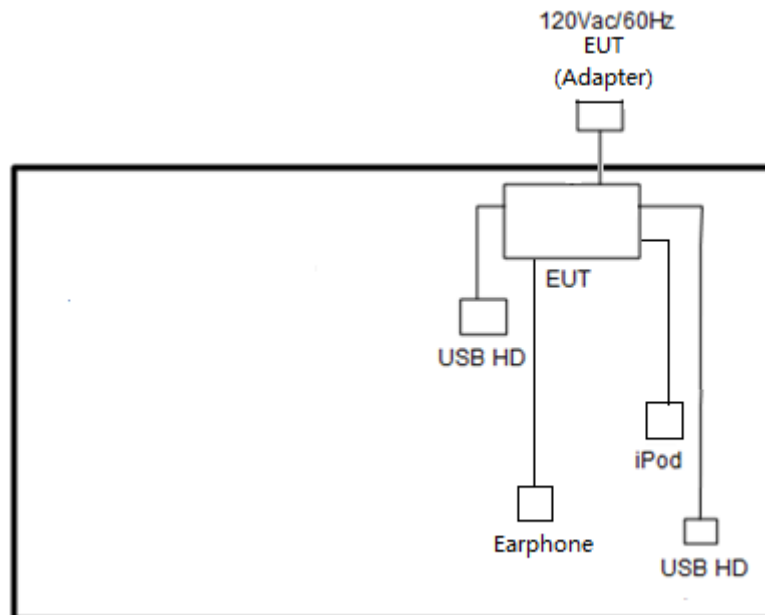
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-
Straddle		-	-	138

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	iPod	Apple	A1285	DoC	Shielded, 1.0m	N/A
2.	Earphone	lenovo	TS300-01MS21-8S	FCC DoC	Unshielded,1.2m	N/A
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
4.	HD USB	lenovo	F310S	FCC DoC	Shielded, 0.5m	N/A
5.	HD USB	SONY	HD-E1	FCC DoC	Shielded, 0.5m	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The programmed RF utility, "DRTU Tool", is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

3 Test Result

3.1 Unwanted Emissions Measurement

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

3.1.1 Limit of Unwanted Emissions

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

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

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

- (2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

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

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

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

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

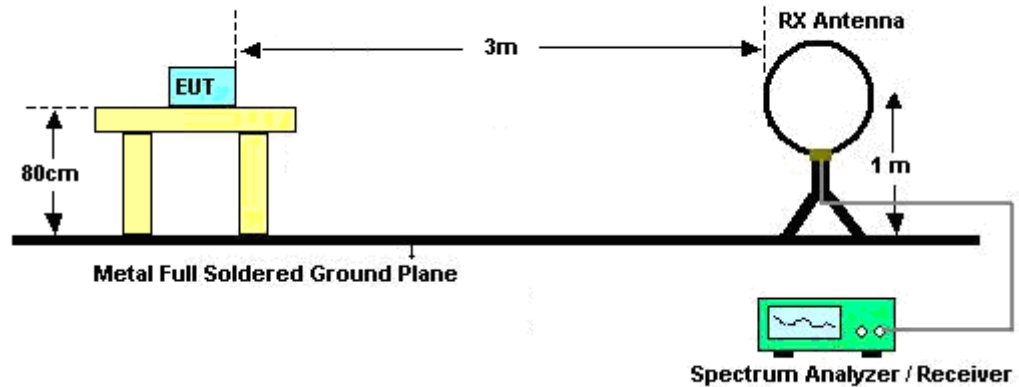
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak 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.



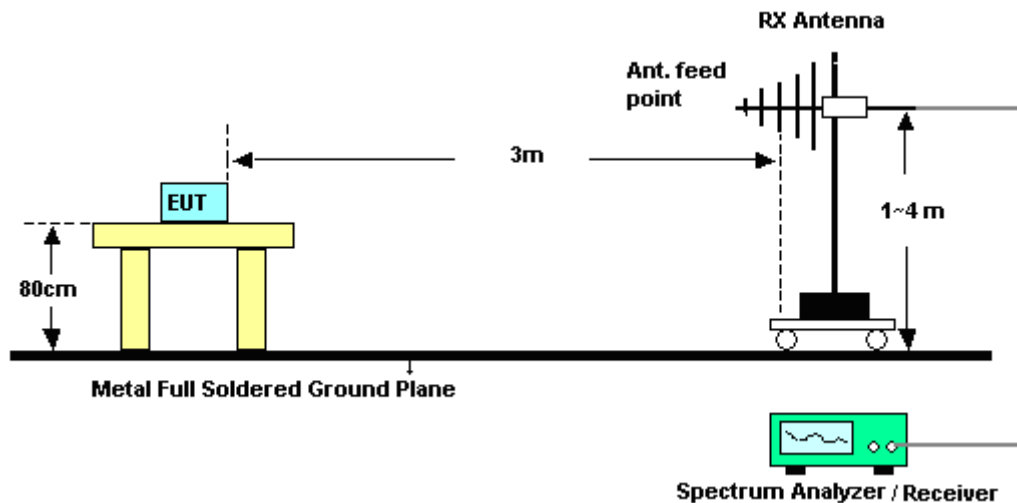
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.1.4 Test Setup

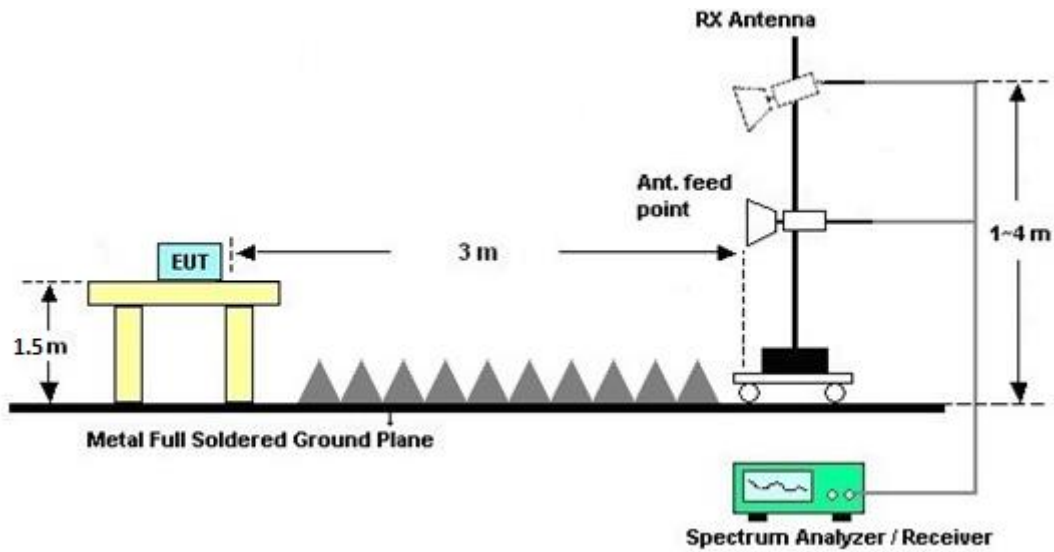
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.1.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A and B.

3.1.7 Duty Cycle

Please refer to Appendix C.

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

Please refer to Appendix A and B.

3.2 AC Conducted Emission Measurement

3.2.1 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.

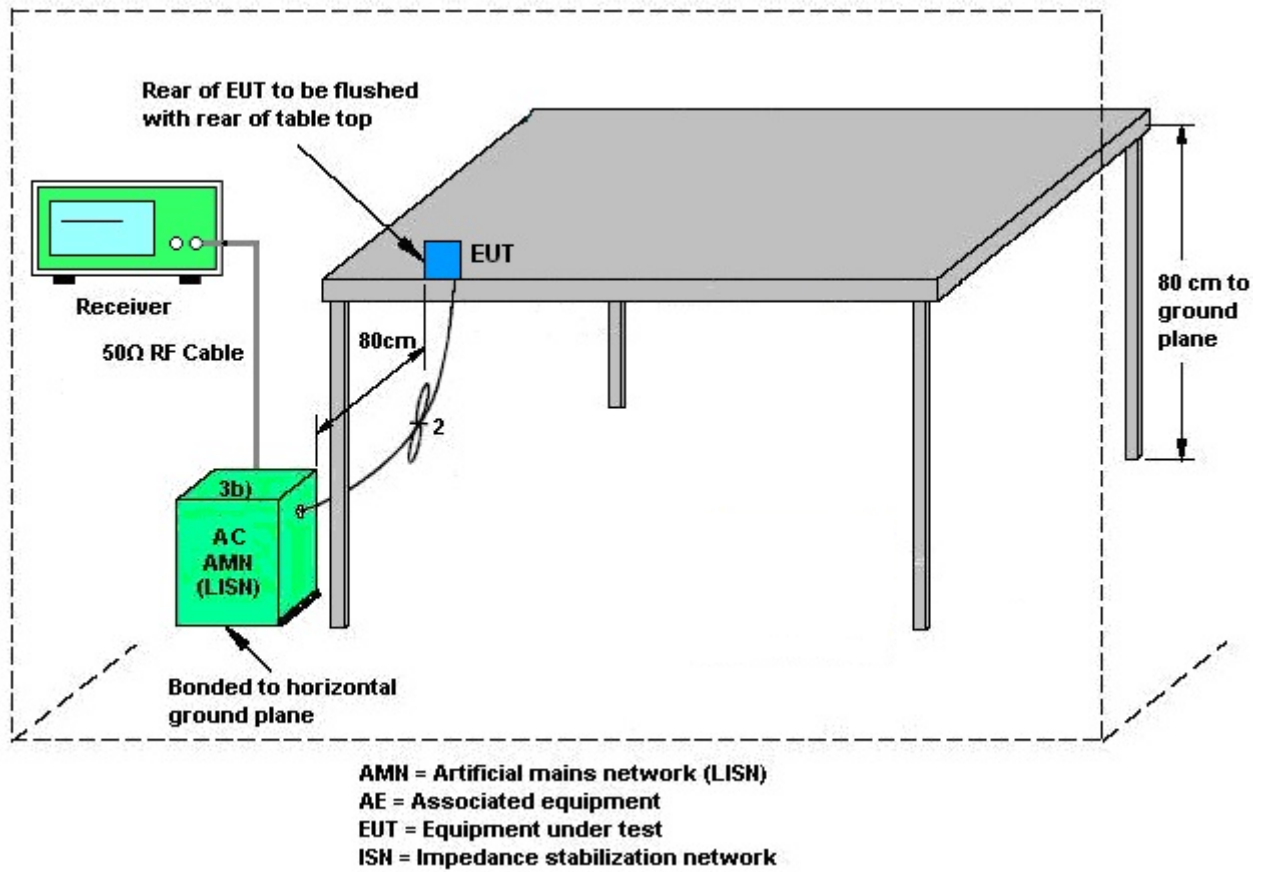
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

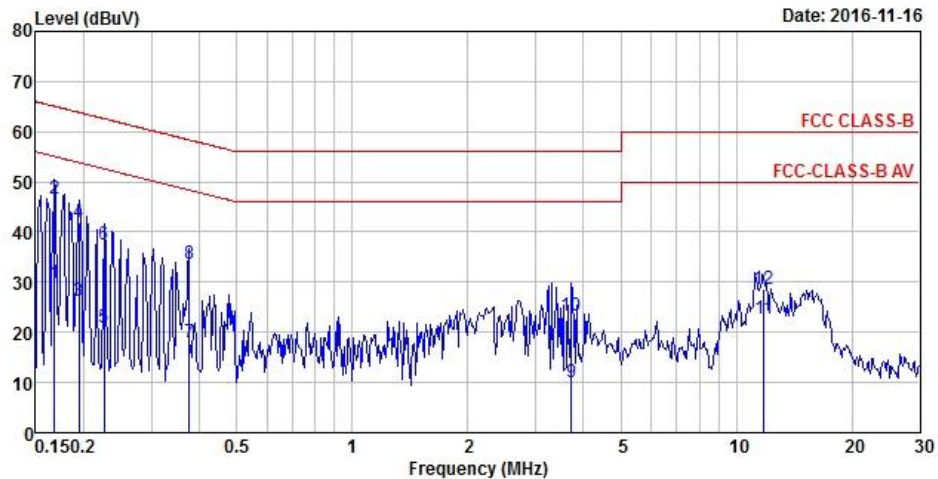
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.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

3.2.4 Test Setup



3.2.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	James Chiu	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN (5GHz) Tx + TF + TC		

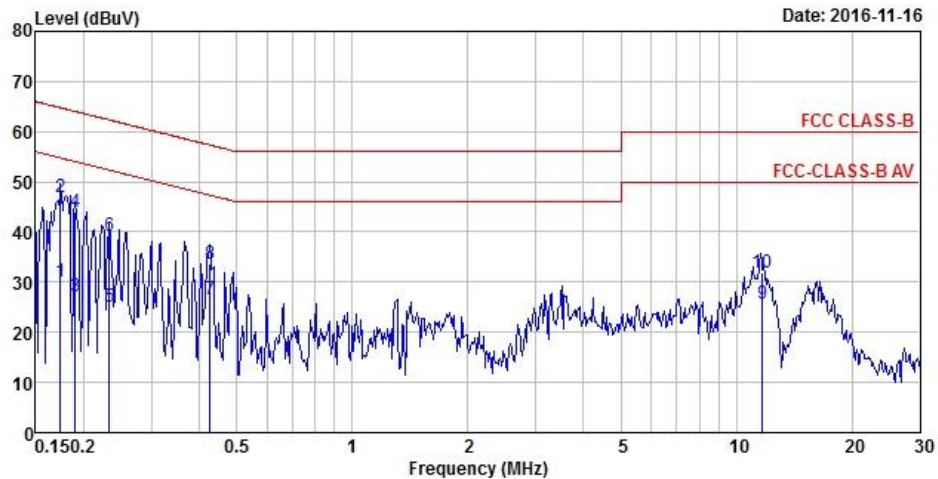


Site : C001-HY
 Condition: FCC CLASS-B LISN 2001/009-106-A LINE
 EUT : NB (Convertible) (Sierra EM7455) FCC
 Model : ThinkPad X1 Yoga 2nd(Raven 2)
 Power : 120V/60Hz
 Memo : Mode 1-L
 Memo : Wifi 5G Link + TF + TC
 Project : 6N0303-01

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	29.89	-25.19	55.08	29.62	0.17	0.10	Average
2 MAX	0.17	46.71	-18.37	65.08	46.44	0.17	0.10	QP
3	0.19	26.24	-27.60	53.84	26.00	0.14	0.10	Average
4	0.19	41.81	-22.03	63.84	41.57	0.14	0.10	QP
5	0.23	20.98	-31.63	52.61	20.74	0.14	0.10	Average
6	0.23	37.61	-25.00	62.61	37.37	0.14	0.10	QP
7	0.38	18.07	-30.28	48.35	17.80	0.17	0.10	Average
8	0.38	33.63	-24.72	58.35	33.36	0.17	0.10	QP
9	3.72	10.16	-35.84	46.00	9.82	0.24	0.10	Average
10	3.72	23.35	-32.65	56.00	23.01	0.24	0.10	QP
11	11.80	22.61	-27.39	50.00	22.07	0.44	0.10	Average
12	11.80	28.60	-31.40	60.00	28.06	0.44	0.10	QP



Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	James Chiu	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (5GHz) Tx + TF + TC		



Site : CO01-HY
 Condition: FCC CLASS-B LISN 2001/009-106-A NEUTRAL
 EUT : NB (Convertible) (Sierra EM7455) FCC
 Model : ThinkPad X1 Yoga 2nd(Raven 2)
 Power : 120V/60Hz
 Memo : Mode 1-N
 Memo : Wifi 5G Link + TF + TC
 Project : 6N0303-01

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBUV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBUV	dBUV	dB	dB	
1	0.17	30.22	-24.55	54.77	30.03	0.09	0.10	Average
2 MAX	0.17	47.05	-17.72	64.77	46.86	0.09	0.10	QP
3	0.19	27.12	-26.90	54.02	26.91	0.11	0.10	Average
4	0.19	43.88	-20.14	64.02	43.67	0.11	0.10	QP
5	0.23	25.01	-27.34	52.35	24.78	0.13	0.10	Average
6	0.23	39.24	-23.11	62.35	39.01	0.13	0.10	QP
7	0.43	26.50	-20.83	47.33	26.24	0.16	0.10	Average
8	0.43	33.67	-23.66	57.33	33.41	0.16	0.10	QP
9	11.70	25.62	-24.38	50.00	25.12	0.40	0.10	Average
10	11.70	31.94	-28.06	60.00	31.44	0.40	0.10	QP



3.3 Automatically Discontinue Transmission

3.3.1 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.

3.3.2 Measuring Instruments

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

3.3.3 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.

3.4 Antenna Requirements

3.4.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.4.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.4.3 Antenna Gain

CDD modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

The directional gain "DG" is calculated as following table.

			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant 1 (dBi)	Ant 2 (dBi)				
Band I	-0.16	0.26	0.26	3.06	0.00	0.00
Band II	-0.84	0.26	0.26	2.74	0.00	0.00
Band III	0.16	-1.14	0.16	2.54	0.00	0.00

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

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Nov. 26, 2016 ~ Dec. 02, 2016	Sep. 01, 2017	Radiation (03CH10-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 26, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Oct. 25, 2017	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 13, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Jan. 12, 2017	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Sep. 30, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Sep. 29, 2017	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 26, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Oct. 25, 2017	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 17, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Oct. 16, 2017	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 26, 2016 ~ Dec. 02, 2016	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Nov. 26, 2016 ~ Dec. 02, 2016	N/A	Radiation (03CH10-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Feb. 14, 2017	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180002	1GHz~18GHz	Jul. 27, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Jul. 26, 2017	Radiation (03CH10-HY)
Preamplifier	MITEQ	JS44-1800400 0-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Jun. 13, 2017	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Nov. 07, 2017	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Jan. 20, 2016	Nov. 26, 2016 ~ Dec. 02, 2016	Jan. 19, 2017	Radiation (03CH10-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 16, 2016	N/A	Conduction (CO01-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Nov. 16, 2016	Aug. 29, 2017	Conduction (CO01-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Nov. 16, 2016	Dec. 01, 2016	Conduction (CO01-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.2
---	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6
---	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.9
---	-----

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

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



Appendix A. Radiated Spurious Emission

Test Engineer :	Tsung Lee, Stan Hsieh, and Kyle Chuang	Temperature :	21~23°C
		Relative Humidity :	45~49%

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT80 (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)
802.11ac VHT80 CH 58 5290MHz		5120.38	49.29	-24.71	74	41.93	31.94	7.96	32.54	168	68	P	H
		5147.68	41.55	-12.45	54	34.17	31.98	7.94	32.54	168	68	A	H
	*	5290	96.9	-	-	89.12	32.14	8.18	32.54	168	68	P	H
	*	5290	90.52	-	-	82.74	32.14	8.18	32.54	168	68	A	H
		5368.08	59.13	-14.87	74	51.14	32.24	8.29	32.54	168	68	P	H
		5352	52.88	-1.12	54	44.97	32.22	8.23	32.54	168	68	A	H
		5135.72	49.6	-24.4	74	42.24	31.96	7.94	32.54	224	262	P	V
		5138.32	41.44	-12.56	54	34.08	31.96	7.94	32.54	224	262	A	V
	*	5290	95.98	-	-	88.2	32.14	8.18	32.54	224	262	P	V
	*	5290	88.89	-	-	81.11	32.14	8.18	32.54	224	262	A	V
		5354.16	57.59	-16.41	74	49.68	32.22	8.23	32.54	224	262	P	V
		5351.28	49.77	-4.23	54	41.86	32.22	8.23	32.54	224	262	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	48.07	-25.93	74	46.92	39.97	12.1	50.92	100	0	P	H
		15870	46.5	-27.5	74	46.15	37.49	14.84	51.98	100	0	P	H
													H
													H
		10580	49.43	-24.57	74	48.28	39.97	12.1	50.92	100	0	P	V
		15870	47.23	-26.77	74	46.88	37.49	14.84	51.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ac VHT80 (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)
802.11ac VHT80 LF		31.08	22.63	-17.37	40	29.19	25.54	0.65	32.75	-	-	P	H
		167.97	23.81	-19.69	43.5	38.73	16.36	1.48	32.76	-	-	P	H
		189.57	22.7	-20.8	43.5	38.37	15.6	1.48	32.75	-	-	P	H
		757.8	28.12	-17.88	46	30.59	27.56	2.91	32.94	-	-	P	H
		853	30.24	-15.76	46	30.96	28.7	3.16	32.58	-	-	P	H
		952.4	31.71	-14.29	46	30.15	30	3.29	31.73	100	0	P	H
													H
													H
													H
													H
													H
													H
		32.16	25.41	-14.59	40	32.53	24.98	0.65	32.75	-	-	P	V
		39.45	24.98	-15.02	40	36.58	20.5	0.65	32.75	-	-	P	V
		95.61	24.79	-18.71	43.5	40.54	15.88	1.14	32.77	-	-	P	V
		805.4	28.74	-17.26	46	30.56	27.98	3.07	32.87	-	-	P	V
		869.1	30.26	-15.74	46	30.88	28.7	3.16	32.48	-	-	P	V
		939.1	31.68	-14.32	46	30.54	29.72	3.29	31.87	100	0	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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”.



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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.64	51.02	-22.98	74	43.64	31.98	7.94	32.54	119	257	P	H
		5150	41.44	-12.56	54	34.06	31.98	7.94	32.54	119	257	A	H
	*	5180	103.72	-	-	96.33	32.02	7.91	32.54	119	257	P	H
	*	5180	95.97	-	-	88.58	32.02	7.91	32.54	119	257	A	H
													H
													H
		5148.72	51.59	-22.41	74	44.21	31.98	7.94	32.54	262	41	P	V
		5150	41.49	-12.51	54	34.11	31.98	7.94	32.54	262	41	A	V
	*	5180	103.14	-	-	95.75	32.02	7.91	32.54	262	41	P	V
	*	5180	95.15	-	-	87.76	32.02	7.91	32.54	262	41	A	V
													V
													V
802.11a CH 44 5220MHz		5130	48.28	-25.72	74	40.92	31.96	7.94	32.54	115	254	P	H
		5072.02	39.75	-14.25	54	32.39	31.9	7.99	32.53	115	254	A	H
	*	5220	103.98	-	-	96.45	32.06	8.01	32.54	115	254	P	H
	*	5220	95.89	-	-	88.36	32.06	8.01	32.54	115	254	A	H
		5378.88	48.2	-25.8	74	40.2	32.26	8.29	32.55	115	254	P	H
		5351.76	40.28	-13.72	54	32.37	32.22	8.23	32.54	115	254	A	H
		5053.04	48.82	-25.18	74	41.5	31.86	7.99	32.53	338	46	P	V
		5149.76	38.89	-15.11	54	31.51	31.98	7.94	32.54	338	46	A	V
	*	5220	102.86	-	-	95.33	32.06	8.01	32.54	338	46	P	V
	*	5220	95.02	-	-	87.49	32.06	8.01	32.54	338	46	A	V
		5375.04	47.95	-26.05	74	39.97	32.24	8.29	32.55	338	46	P	V
		5381.76	38.86	-15.14	54	30.86	32.26	8.29	32.55	338	46	A	V



802.11a CH 48 5240MHz		5106.34	48.32	-25.68	74	40.95	31.94	7.96	32.53	136	254	P	H
		5149.24	38.89	-15.11	54	31.51	31.98	7.94	32.54	136	254	A	H
	*	5240	103.27	-	-	95.72	32.08	8.01	32.54	136	254	P	H
	*	5240	95.6	-	-	88.05	32.08	8.01	32.54	136	254	A	H
		5378.88	48.1	-25.9	74	40.1	32.26	8.29	32.55	136	254	P	H
		5351.04	39.06	-14.94	54	31.15	32.22	8.23	32.54	136	254	A	H
		5007.28	48.22	-25.78	74	40.91	31.82	8.02	32.53	275	64	P	V
		5142.74	38.73	-15.27	54	31.35	31.98	7.94	32.54	275	64	A	V
	*	5240	103.36	-	-	95.81	32.08	8.01	32.54	275	64	P	V
	*	5240	95.31	-	-	87.76	32.08	8.01	32.54	275	64	A	V
		5363.52	47.78	-26.22	74	39.79	32.24	8.29	32.54	275	64	P	V
		5351.28	38.85	-15.15	54	30.94	32.22	8.23	32.54	275	64	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	45.25	-28.75	74	55.81	39.69	11.96	62.21	100	0	P	H
		15540	40.34	-33.66	74	49.32	38.04	14.76	61.78	100	0	P	H
													H
													H
		10360	44.23	-29.77	74	54.79	39.69	11.96	62.21	100	0	P	V
		15540	40.67	-33.33	74	49.65	38.04	14.76	61.78	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	42.38	-31.62	74	52.71	39.79	12.03	62.15	100	0	P	H
		15660	39.88	-34.12	74	48.95	37.85	14.79	61.71	100	0	P	H
													H
													H
		10440	42.72	-31.28	74	53.05	39.79	12.03	62.15	100	0	P	V
		15660	39.7	-34.3	74	48.77	37.85	14.79	61.71	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	43.54	-30.46	74	53.72	39.87	12.06	62.11	100	0	P	H
		15720	39.96	-34.04	74	49.08	37.74	14.81	61.67	100	0	P	H
													H
													H
		10480	43.64	-30.36	74	53.82	39.87	12.06	62.11	100	0	P	V
		15720	41.01	-32.99	74	50.13	37.74	14.81	61.67	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5146.38	50.56	-23.44	74	43.18	31.98	7.94	32.54	120	255	P	H
		5150	42.75	-11.25	54	35.37	31.98	7.94	32.54	120	255	A	H
	*	5180	105.06	-	-	97.67	32.02	7.91	32.54	120	255	P	H
	*	5180	96.41	-	-	89.02	32.02	7.91	32.54	120	255	A	H
													H
													H
		5145.34	49.42	-24.58	74	42.04	31.98	7.94	32.54	345	46	P	V
		5150	41.58	-12.42	54	34.2	31.98	7.94	32.54	345	46	A	V
	*	5180	102.27	-	-	94.88	32.02	7.91	32.54	345	46	P	V
	*	5180	94.71	-	-	87.32	32.02	7.91	32.54	345	46	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5056.94	48.64	-25.36	74	41.3	31.88	7.99	32.53	116	253	P	H
		5150	39.29	-14.71	54	31.91	31.98	7.94	32.54	116	253	A	H
	*	5220	103.63	-	-	96.1	32.06	8.01	32.54	116	253	P	H
	*	5220	95.67	-	-	88.14	32.06	8.01	32.54	116	253	A	H
		5451.84	48.34	-25.66	74	40.26	32.34	8.29	32.55	116	253	P	H
		5382.96	39.21	-14.79	54	31.21	32.26	8.29	32.55	116	253	A	H
		5079.3	48.41	-25.59	74	41.05	31.9	7.99	32.53	355	48	P	V
		5149.5	38.8	-15.2	54	31.42	31.98	7.94	32.54	355	48	A	V
	*	5220	102.84	-	-	95.31	32.06	8.01	32.54	355	48	P	V
	*	5220	94.57	-	-	87.04	32.06	8.01	32.54	355	48	A	V
		5431.2	48.03	-25.97	74	39.97	32.32	8.29	32.55	355	48	P	V
		5456.4	38.65	-15.35	54	30.57	32.34	8.29	32.55	355	48	A	V



802.11n HT20 CH 48 5240MHz		5088.66	48.87	-25.13	74	41.52	31.92	7.96	32.53	127	253	P	H
		5003.9	39.11	-14.89	54	31.8	31.82	8.02	32.53	127	253	A	H
	*	5240	103.02	-	-	95.47	32.08	8.01	32.54	127	253	P	H
	*	5240	94.99	-	-	87.44	32.08	8.01	32.54	127	253	A	H
		5390.88	48.04	-25.96	74	40.04	32.26	8.29	32.55	127	253	P	H
		5351.76	39.04	-14.96	54	31.13	32.22	8.23	32.54	127	253	A	H
		5074.88	48.25	-25.75	74	40.89	31.9	7.99	32.53	349	94	P	V
		5147.16	38.56	-15.44	54	31.18	31.98	7.94	32.54	349	94	A	V
	*	5240	102.14	-	-	94.59	32.08	8.01	32.54	349	94	P	V
	*	5240	94.54	-	-	86.99	32.08	8.01	32.54	349	94	A	V
		5403.12	50.5	-23.5	74	42.48	32.28	8.29	32.55	349	94	P	V
		5395.68	39.06	-14.94	54	31.04	32.28	8.29	32.55	349	94	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	45.23	-28.77	74	55.79	39.69	11.96	62.21	100	0	P	H
		15540	40.11	-33.89	74	49.09	38.04	14.76	61.78	100	0	P	H
													H
													H
		10360	44.21	-29.79	74	54.77	39.69	11.96	62.21	100	0	P	V
		15540	40.87	-33.13	74	49.85	38.04	14.76	61.78	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	42.76	-31.24	74	53.09	39.79	12.03	62.15	100	0	P	H
		15660	39.93	-34.07	74	49	37.85	14.79	61.71	100	0	P	H
													H
													H
		10440	43.34	-30.66	74	53.67	39.79	12.03	62.15	100	0	P	V
		15660	39.51	-34.49	74	48.58	37.85	14.79	61.71	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	43.41	-30.59	74	53.59	39.87	12.06	62.11	100	0	P	H
		15720	39.78	-34.22	74	48.9	37.74	14.81	61.67	100	0	P	H
													H
													H
		10480	43.53	-30.47	74	53.71	39.87	12.06	62.11	100	0	P	V
		15720	39.01	-34.99	74	48.13	37.74	14.81	61.67	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.76	54.6	-19.4	74	47.22	31.98	7.94	32.54	116	255	P	H
		5149.76	47.53	-6.47	54	40.15	31.98	7.94	32.54	116	255	A	H
	*	5190	100.89	-	-	93.5	32.02	7.91	32.54	116	255	P	H
	*	5190	93.64	-	-	86.25	32.02	7.91	32.54	116	255	A	H
		5385.36	48.37	-25.63	74	40.37	32.26	8.29	32.55	116	255	P	H
		5354.16	40.25	-13.75	54	32.34	32.22	8.23	32.54	116	255	A	H
		5148.72	53.54	-20.46	74	46.16	31.98	7.94	32.54	298	80	P	V
		5150	46.97	-7.03	54	39.59	31.98	7.94	32.54	298	80	A	V
	*	5190	100.07	-	-	92.68	32.02	7.91	32.54	298	80	P	V
	*	5190	93.09	-	-	85.7	32.02	7.91	32.54	298	80	A	V
		5388.72	47.18	-26.82	74	39.18	32.26	8.29	32.55	298	80	P	V
		5357.28	39.88	-14.12	54	31.97	32.22	8.23	32.54	298	80	A	V
802.11n HT40 CH 46 5230MHz		5094.64	48.9	-25.1	74	41.55	31.92	7.96	32.53	113	256	P	H
		5141.96	40.95	-13.05	54	33.57	31.98	7.94	32.54	113	256	A	H
	*	5230	100.05	-	-	92.5	32.08	8.01	32.54	113	256	P	H
	*	5230	93.04	-	-	85.49	32.08	8.01	32.54	113	256	A	H
		5390.64	48.76	-25.24	74	40.76	32.26	8.29	32.55	113	256	P	H
		5389.2	40.41	-13.59	54	32.41	32.26	8.29	32.55	113	256	A	H
		5106.86	48.41	-25.59	74	41.04	31.94	7.96	32.53	295	70	P	V
		5135.46	40.66	-13.34	54	33.3	31.96	7.94	32.54	295	70	A	V
	*	5230	100.57	-	-	93.02	32.08	8.01	32.54	295	70	P	V
	*	5230	93.11	-	-	85.56	32.08	8.01	32.54	295	70	A	V
		5418	47.77	-26.23	74	39.73	32.3	8.29	32.55	295	70	P	V
		5354.16	40.34	-13.66	54	32.43	32.22	8.23	32.54	295	70	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	39.9	-34.1	74	39.13	39.71	11.96	50.9	100	0	P	H
		15570	37.7	-36.3	74	36.86	37.99	14.77	51.92	100	0	P	H
													H
													H
		10380	39.61	-34.39	74	38.84	39.71	11.96	50.9	100	0	P	V
		15570	37.85	-36.15	74	37.01	37.99	14.77	51.92	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	40.42	-33.58	74	39.47	39.82	12.03	50.9	100	0	P	H
		15690	39.09	-34.91	74	38.43	37.8	14.8	51.94	100	0	P	H
													H
													H
		10460	39.73	-34.27	74	38.78	39.82	12.03	50.9	100	0	P	V
		15690	37.27	-36.73	74	36.61	37.8	14.8	51.94	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5147.16	56.07	-17.93	74	48.69	31.98	7.94	32.54	131	256	P	H
		5149.76	48.91	-5.09	54	41.53	31.98	7.94	32.54	131	256	A	H
	*	5210	97.68	-	-	90.15	32.06	8.01	32.54	131	256	P	H
	*	5210	90.12	-	-	82.59	32.06	8.01	32.54	131	256	A	H
		5372.16	48.07	-25.93	74	40.08	32.24	8.29	32.54	131	256	P	H
		5360.16	40.53	-13.47	54	32.62	32.22	8.23	32.54	131	256	A	H
		5148.72	54.47	-19.53	74	47.09	31.98	7.94	32.54	300	12	P	V
		5148.72	48.1	-5.9	54	40.72	31.98	7.94	32.54	300	12	A	V
	*	5210	97.13	-	-	89.6	32.06	8.01	32.54	300	12	P	V
	*	5210	89.9	-	-	82.37	32.06	8.01	32.54	300	12	A	V
		5370.48	48.21	-25.79	74	40.22	32.24	8.29	32.54	300	12	P	V
		5382.72	40.11	-13.89	54	32.11	32.26	8.29	32.55	300	12	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	39.85	-34.15	74	38.98	39.77	12	50.9	100	0	P	H
		15630	36.88	-37.12	74	36.15	37.88	14.78	51.93	100	0	P	H
													H
													H
		10420	40.26	-33.74	74	39.39	39.77	12	50.9	100	0	P	V
		15630	38.02	-35.98	74	37.29	37.88	14.78	51.93	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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5028.34	48.24	-25.76	74	40.91	31.84	8.02	32.53	131	254	P	H
		5023.92	38.77	-15.23	54	31.44	31.84	8.02	32.53	131	254	A	H
	*	5260	102.69	-	-	94.99	32.12	8.12	32.54	131	254	P	H
	*	5260	95.32	-	-	87.62	32.12	8.12	32.54	131	254	A	H
		5447.76	47.47	-26.53	74	39.39	32.34	8.29	32.55	131	254	P	H
		5352.48	39.38	-14.62	54	31.47	32.22	8.23	32.54	131	254	A	H
		5134.68	47.84	-26.16	74	40.48	31.96	7.94	32.54	354	86	P	V
		5097.5	38.41	-15.59	54	31.06	31.92	7.96	32.53	354	86	A	V
	*	5260	102.83	-	-	95.13	32.12	8.12	32.54	354	86	P	V
	*	5260	95.41	-	-	87.71	32.12	8.12	32.54	354	86	A	V
		5403.36	48.61	-25.39	74	40.59	32.28	8.29	32.55	354	86	P	V
		5418.24	39.26	-14.74	54	31.22	32.3	8.29	32.55	354	86	A	V
802.11a CH 60 5300MHz		5080.6	49.19	-24.81	74	41.83	31.9	7.99	32.53	100	228	P	H
		5144.82	38.61	-15.39	54	31.23	31.98	7.94	32.54	100	228	A	H
	*	5300	103.33	-	-	95.53	32.16	8.18	32.54	100	228	P	H
	*	5300	95.31	-	-	87.51	32.16	8.18	32.54	100	228	A	H
		5352	50.28	-23.72	74	42.37	32.22	8.23	32.54	100	228	P	H
		5350.56	41.03	-12.97	54	33.12	32.22	8.23	32.54	100	228	A	H
		5049.92	47.88	-26.12	74	40.56	31.86	7.99	32.53	346	86	P	V
		5063.44	38.62	-15.38	54	31.28	31.88	7.99	32.53	346	86	A	V
	*	5300	103.79	-	-	95.99	32.16	8.18	32.54	346	86	P	V
	*	5300	95.45	-	-	87.65	32.16	8.18	32.54	346	86	A	V
		5350.8	50.08	-23.92	74	42.17	32.22	8.23	32.54	346	86	P	V
		5350.32	40.55	-13.45	54	32.64	32.22	8.23	32.54	346	86	A	V



802.11a CH 64 5320MHz	*	5320	103.17	-	-	95.35	32.18	8.18	32.54	100	226	P	H
	*	5320	95.21	-	-	87.39	32.18	8.18	32.54	100	226	A	H
		5384.8	50.8	-23.2	74	42.8	32.26	8.29	32.55	100	226	P	H
		5350.08	42.02	-11.98	54	34.11	32.22	8.23	32.54	100	226	A	H
													H
													H
	*	5320	103.86	-	-	96.04	32.18	8.18	32.54	272	57	P	V
	*	5320	95.53	-	-	87.71	32.18	8.18	32.54	272	57	A	V
		5383.84	50.15	-23.85	74	42.15	32.26	8.29	32.55	272	57	P	V
		5350.08	42.46	-11.54	54	34.55	32.22	8.23	32.54	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	42.78	-31.22	74	52.89	39.91	12.08	62.1	100	0	P	H
		15780	39.42	-34.58	74	48.57	37.66	14.82	61.63	100	0	P	H
													H
													H
		10520	42.29	-31.71	74	52.4	39.91	12.08	62.1	100	0	P	V
		15780	39.99	-34.01	74	49.14	37.66	14.82	61.63	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	43.03	-30.97	74	53.02	39.98	12.11	62.08	100	0	P	H
		15900	40.42	-33.58	74	49.66	37.47	14.85	61.56	100	0	P	H
													H
													H
		10600	43.84	-30.16	74	53.83	39.98	12.11	62.08	100	0	P	V
		15900	39.94	-34.06	74	49.18	37.47	14.85	61.56	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	42.82	-31.18	74	52.75	40.01	12.13	62.07	100	0	P	H
		15960	38.99	-35.01	74	48.28	37.36	14.87	61.52	100	0	P	H
													H
													H
		10640	43.56	-30.44	74	53.49	40.01	12.13	62.07	100	0	P	V
		15960	39.08	-34.92	74	48.37	37.36	14.87	61.52	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5103.74	49.36	-24.64	74	42.01	31.92	7.96	32.53	122	254	P	H
		5021.32	39.15	-14.85	54	31.82	31.84	8.02	32.53	122	254	A	H
	*	5260	104	-	-	96.3	32.12	8.12	32.54	122	254	P	H
	*	5260	95.83	-	-	88.13	32.12	8.12	32.54	122	254	A	H
		5354.16	47.9	-26.1	74	39.99	32.22	8.23	32.54	122	254	P	H
		5353.44	39.71	-14.29	54	31.8	32.22	8.23	32.54	122	254	A	H
		5147.68	47.49	-26.51	74	40.11	31.98	7.94	32.54	336	97	P	V
		5024.18	38.6	-15.4	54	31.27	31.84	8.02	32.53	336	97	A	V
	*	5260	102.76	-	-	95.06	32.12	8.12	32.54	336	97	P	V
	*	5260	95.06	-	-	87.36	32.12	8.12	32.54	336	97	A	V
		5355.36	48.38	-25.62	74	40.47	32.22	8.23	32.54	336	97	P	V
		5352.48	39.3	-14.7	54	31.39	32.22	8.23	32.54	336	97	A	V
802.11n HT20 CH 60 5300MHz		5139.36	47.93	-26.07	74	40.57	31.96	7.94	32.54	100	256	P	H
		5056.94	38.57	-15.43	54	31.23	31.88	7.99	32.53	100	256	A	H
	*	5300	102.82	-	-	95.02	32.16	8.18	32.54	100	256	P	H
	*	5300	95.07	-	-	87.27	32.16	8.18	32.54	100	256	A	H
		5357.04	49.89	-24.11	74	41.98	32.22	8.23	32.54	100	256	P	H
		5351.52	41.04	-12.96	54	33.13	32.22	8.23	32.54	100	256	A	H
		5023.92	48.64	-25.36	74	41.31	31.84	8.02	32.53	346	101	P	V
		5057.72	38.44	-15.56	54	31.1	31.88	7.99	32.53	346	101	A	V
	*	5300	102.72	-	-	94.92	32.16	8.18	32.54	346	101	P	V
	*	5300	95.29	-	-	87.49	32.16	8.18	32.54	346	101	A	V
		5362.32	49.79	-24.21	74	41.8	32.24	8.29	32.54	346	101	P	V
		5362.56	40.49	-13.51	54	32.5	32.24	8.29	32.54	346	101	A	V



802.11n HT20 CH 64 5320MHz	*	5320	102.1	-	-	94.28	32.18	8.18	32.54	110	257	P	H
	*	5320	94.88	-	-	87.06	32.18	8.18	32.54	110	257	A	H
		5350.56	51.57	-22.43	74	43.66	32.22	8.23	32.54	110	257	P	H
		5350.08	42.14	-11.86	54	34.23	32.22	8.23	32.54	110	257	A	H
													H
													H
	*	5320	101.56	-	-	93.74	32.18	8.18	32.54	331	112	P	V
	*	5320	94	-	-	86.18	32.18	8.18	32.54	331	112	A	V
		5351.68	50.87	-23.13	74	42.96	32.22	8.23	32.54	331	112	P	V
		5350.08	41.65	-12.35	54	33.74	32.22	8.23	32.54	331	112	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	42.35	-31.65	74	52.46	39.91	12.08	62.1	100	0	P	H
		15780	40.43	-33.57	74	49.58	37.66	14.82	61.63	100	0	P	H
													H
													H
		10520	42.74	-31.26	74	52.85	39.91	12.08	62.1	100	0	P	V
		15780	39.39	-34.61	74	48.54	37.66	14.82	61.63	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	42.18	-31.82	74	52.17	39.98	12.11	62.08	100	0	P	H
		15900	39.91	-34.09	74	49.15	37.47	14.85	61.56	100	0	P	H
													H
													H
		10600	42.74	-31.26	74	52.73	39.98	12.11	62.08	100	0	P	V
		15900	41.3	-32.7	74	50.54	37.47	14.85	61.56	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	42.24	-31.76	74	52.17	40.01	12.13	62.07	100	0	P	H
		15960	39.91	-34.09	74	49.2	37.36	14.87	61.52	100	0	P	H
													H
													H
		10640	41.58	-32.42	74	51.51	40.01	12.13	62.07	100	0	P	V
		15960	39.08	-34.92	74	48.37	37.36	14.87	61.52	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5096.98	47.79	-26.21	74	40.44	31.92	7.96	32.53	117	256	P	H
		5140.92	40.19	-13.81	54	32.81	31.98	7.94	32.54	117	256	A	H
	*	5270	100.9	-	-	93.2	32.12	8.12	32.54	117	256	P	H
	*	5270	93.81	-	-	86.11	32.12	8.12	32.54	117	256	A	H
		5381.28	49.12	-24.88	74	41.12	32.26	8.29	32.55	117	256	P	H
		5417.28	42.13	-11.87	54	34.09	32.3	8.29	32.55	117	256	A	H
		5003.12	48.47	-25.53	74	41.18	31.8	8.02	32.53	346	86	P	V
		5035.62	40.33	-13.67	54	33	31.84	8.02	32.53	346	86	A	V
	*	5270	100.48	-	-	92.78	32.12	8.12	32.54	346	86	P	V
	*	5270	93.34	-	-	85.64	32.12	8.12	32.54	346	86	A	V
		5361.6	50.27	-23.73	74	42.34	32.24	8.23	32.54	346	86	P	V
		5350.32	41.64	-12.36	54	33.73	32.22	8.23	32.54	346	86	A	V
802.11n HT40 CH 62 5310MHz		5002.08	47.66	-26.34	74	40.37	31.8	8.02	32.53	132	256	P	H
		5000.26	40.18	-13.82	54	32.86	31.8	8.05	32.53	132	256	A	H
	*	5310	99.93	-	-	92.11	32.18	8.18	32.54	132	256	P	H
	*	5310	92.74	-	-	84.92	32.18	8.18	32.54	132	256	A	H
		5352.24	56.6	-17.4	74	48.69	32.22	8.23	32.54	132	256	P	H
		5351.04	49.07	-4.93	54	41.16	32.22	8.23	32.54	132	256	A	H
		5093.34	48.33	-25.67	74	40.98	31.92	7.96	32.53	181	52	P	V
		5137.54	40.26	-13.74	54	32.9	31.96	7.94	32.54	181	52	A	V
	*	5310	100.05	-	-	92.23	32.18	8.18	32.54	181	52	P	V
	*	5310	92.79	-	-	84.97	32.18	8.18	32.54	181	52	A	V
		5352.48	56.36	-17.64	74	48.45	32.22	8.23	32.54	181	52	P	V
		5350.08	49.4	-4.6	54	41.49	32.22	8.23	32.54	181	52	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	40.21	-33.79	74	39.11	39.93	12.08	50.91	100	0	P	H
		15810	37.85	-36.15	74	37.38	37.6	14.83	51.96	100	0	P	H
													H
													H
		10540	40.66	-33.34	74	39.56	39.93	12.08	50.91	100	0	P	V
		15810	37.24	-36.76	74	36.77	37.6	14.83	51.96	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	39.57	-34.43	74	38.38	40	12.11	50.92	100	0	P	H
		15930	36.86	-37.14	74	36.58	37.41	14.86	51.99	100	0	P	H
													H
													H
		10620	39.64	-34.36	74	38.45	40	12.11	50.92	100	0	P	V
		15930	36.53	-37.47	74	36.25	37.41	14.86	51.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5136.5	47.54	-26.46	74	40.18	31.96	7.94	32.54	107	257	P	H
		5149.5	40.39	-13.61	54	33.01	31.98	7.94	32.54	107	257	A	H
	*	5290	97.1	-	-	89.32	32.14	8.18	32.54	107	257	P	H
	*	5290	89.59	-	-	81.81	32.14	8.18	32.54	107	257	A	H
		5362.8	57.88	-16.12	74	49.89	32.24	8.29	32.54	107	257	P	H
		5352.72	52.16	-1.84	54	44.25	32.22	8.23	32.54	107	257	A	H
		5097.76	48.37	-25.63	74	41.02	31.92	7.96	32.53	260	61	P	V
		5137.28	40.62	-13.38	54	33.26	31.96	7.94	32.54	260	61	A	V
	*	5290	97.21	-	-	89.43	32.14	8.18	32.54	260	61	P	V
	*	5290	89.76	-	-	81.98	32.14	8.18	32.54	260	61	A	V
		5355.12	57.87	-16.13	74	49.96	32.22	8.23	32.54	260	61	P	V
		5352.96	52.53	-1.47	54	44.62	32.22	8.23	32.54	260	61	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	39.48	-34.52	74	38.33	39.97	12.1	50.92	100	0	P	H
		15870	36.76	-37.24	74	36.41	37.49	14.84	51.98	100	0	P	H
													H
													H
		10580	39.35	-34.65	74	38.2	39.97	12.1	50.92	100	0	P	V
		15870	36.97	-37.03	74	36.62	37.49	14.84	51.98	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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5463.92	50.8	-23.2	74	42.7	32.36	8.29	32.55	100	256	P	H
		5467.28	42.22	-11.78	54	34.12	32.36	8.29	32.55	100	256	A	H
	*	5500	103.58	-	-	95.44	32.4	8.29	32.55	100	256	P	H
	*	5500	95.14	-	-	87	32.4	8.29	32.55	100	256	A	H
													H
													H
		5453.2	51.38	-22.62	74	43.3	32.34	8.29	32.55	332	57	P	V
		5470	42.56	-11.44	54	34.46	32.36	8.29	32.55	332	57	A	V
	*	5500	103.84	-	-	95.7	32.4	8.29	32.55	332	57	P	V
	*	5500	96.05	-	-	87.91	32.4	8.29	32.55	332	57	A	V
													V
													V
802.11a CH 116 5580MHz		5418.88	48.88	-25.12	74	40.84	32.3	8.29	32.55	116	258	P	H
		5416.24	39.96	-14.04	54	31.92	32.3	8.29	32.55	116	258	A	H
	*	5580	102.36	-	-	94.31	32.44	8.2	32.59	116	258	P	H
	*	5580	94.4	-	-	86.35	32.44	8.2	32.59	116	258	A	H
		5735.075	48.77	-25.23	74	40.55	32.54	8.33	32.65	116	258	P	H
		5735.425	38.62	-15.38	54	30.4	32.54	8.33	32.65	116	258	A	H
		5467.12	49.09	-24.91	74	40.99	32.36	8.29	32.55	329	54	P	V
		5423.68	39.62	-14.38	54	31.58	32.3	8.29	32.55	329	54	A	V
	*	5580	103.37	-	-	95.32	32.44	8.2	32.59	329	54	P	V
	*	5580	95.42	-	-	87.37	32.44	8.2	32.59	329	54	A	V
		5750.65	47.78	-26.22	74	39.56	32.54	8.33	32.65	329	54	P	V
		5735.95	38.75	-15.25	54	30.53	32.54	8.33	32.65	329	54	A	V



802.11a CH 140 5700MHz	*	5700	103.19	-	-	95.01	32.51	8.3	32.63	118	258	P	H
	*	5700	94.7	-	-	86.52	32.51	8.3	32.63	118	258	A	H
		5728.04	51.14	-22.86	74	42.92	32.53	8.33	32.64	118	258	P	H
		5725	42.64	-11.36	54	34.42	32.53	8.33	32.64	118	258	A	H
													H
													H
	*	5700	103.54	-	-	95.36	32.51	8.3	32.63	310	54	P	V
	*	5700	96.13	-	-	87.95	32.51	8.3	32.63	310	54	A	V
		5725.4	53.82	-20.18	74	45.6	32.53	8.33	32.64	310	54	P	V
		5725	42.93	-11.07	54	34.71	32.53	8.33	32.64	310	54	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	42.4	-31.6	74	51.8	40.3	12.3	62	100	0	P	H
		16500	41.15	-32.85	74	49.12	38.8	15.23	62	100	0	P	H
													H
													H
		11000	42.47	-31.53	74	51.87	40.3	12.3	62	100	0	P	V
		16500	41.27	-32.73	74	49.24	38.8	15.23	62	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	42.9	-31.1	74	52.28	40.2	12.39	61.97	100	0	P	H
		16740	42.05	-31.95	74	48.94	39.57	15.3	61.76	100	0	P	H
													H
													H
		11160	42.61	-31.39	74	51.99	40.2	12.39	61.97	100	0	P	V
		16740	42.08	-31.92	74	48.97	39.57	15.3	61.76	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	43.46	-30.54	74	52.79	40.06	12.53	61.92	100	0	P	H
		17100	42.81	-31.19	74	48.09	40.68	15.48	61.44	100	0	P	H
													H
													H
		11400	42.89	-31.11	74	52.22	40.06	12.53	61.92	100	0	P	V
		17100	43.45	-30.55	74	48.73	40.68	15.48	61.44	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5467.28	49.77	-24.23	74	41.67	32.36	8.29	32.55	110	258	P	H
		5470	42.54	-11.46	54	34.44	32.36	8.29	32.55	110	258	A	H
	*	5500	102.88	-	-	94.74	32.4	8.29	32.55	110	258	P	H
	*	5500	95.36	-	-	87.22	32.4	8.29	32.55	110	258	A	H
													H
													H
		5444.08	50.89	-23.11	74	42.83	32.32	8.29	32.55	334	58	P	V
		5470	42.99	-11.01	54	34.89	32.36	8.29	32.55	334	58	A	V
	*	5500	102.87	-	-	94.73	32.4	8.29	32.55	334	58	P	V
	*	5500	96.1	-	-	87.96	32.4	8.29	32.55	334	58	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5406.64	49.69	-24.31	74	41.67	32.28	8.29	32.55	112	255	P	H
		5418.64	39.88	-14.12	54	31.84	32.3	8.29	32.55	112	255	A	H
	*	5580	102.7	-	-	94.65	32.44	8.2	32.59	112	255	P	H
	*	5580	94.79	-	-	86.74	32.44	8.2	32.59	112	255	A	H
		5746.275	47.94	-26.06	74	39.72	32.54	8.33	32.65	112	255	P	H
		5736.3	38.6	-15.4	54	30.38	32.54	8.33	32.65	112	255	A	H
		5469.28	50.08	-23.92	74	41.98	32.36	8.29	32.55	297	64	P	V
		5455.12	39.56	-14.44	54	31.48	32.34	8.29	32.55	297	64	A	V
	*	5580	103.99	-	-	95.94	32.44	8.2	32.59	297	64	P	V
	*	5580	95.78	-	-	87.73	32.44	8.2	32.59	297	64	A	V
		5742.775	48.76	-25.24	74	40.54	32.54	8.33	32.65	297	64	P	V
		5735.6	38.93	-15.07	54	30.71	32.54	8.33	32.65	297	64	A	V



802.11n HT20 CH 140 5700MHz	*	5700	102.62	-	-	94.44	32.51	8.3	32.63	115	257	P	H
	*	5700	94.65	-	-	86.47	32.51	8.3	32.63	115	257	A	H
		5725.48	53.13	-20.87	74	44.91	32.53	8.33	32.64	115	257	P	H
		5730.12	42.76	-11.24	54	34.54	32.53	8.33	32.64	115	257	A	H
													H
													H
	*	5700	103.64	-	-	95.46	32.51	8.3	32.63	300	62	P	V
	*	5700	95.63	-	-	87.45	32.51	8.3	32.63	300	62	A	V
		5731.88	51.85	-22.15	74	43.64	32.53	8.33	32.65	300	62	P	V
		5728.44	43.38	-10.62	54	35.16	32.53	8.33	32.64	300	62	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	42.53	-31.47	74	51.93	40.3	12.3	62	100	0	P	H
		16500	41.69	-32.31	74	49.66	38.8	15.23	62	100	0	P	H
													H
													H
		11000	42.62	-31.38	74	52.02	40.3	12.3	62	100	0	P	V
		16500	41.05	-32.95	74	49.02	38.8	15.23	62	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	41.88	-32.12	74	51.26	40.2	12.39	61.97	100	0	P	H
		16740	42.49	-31.51	74	49.38	39.57	15.3	61.76	100	0	P	H
													H
													H
		11160	42.47	-31.53	74	51.85	40.2	12.39	61.97	100	0	P	V
		16740	41.09	-32.91	74	47.98	39.57	15.3	61.76	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	40.81	-33.19	74	39.37	40.06	12.53	51.15	100	0	P	H
		17100	45.88	-28.12	74	41.84	40.68	15.48	52.12	100	0	P	H
													H
													H
		11400	41.07	-32.93	74	39.63	40.06	12.53	51.15	100	0	P	V
		17100	43.35	-30.65	74	39.31	40.68	15.48	52.12	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5421.52	51.25	-22.75	74	43.21	32.3	8.29	32.55	128	253	P	H
		5470	44.92	-9.08	54	36.82	32.36	8.29	32.55	128	253	A	H
	*	5510	99.76	-	-	91.63	32.4	8.29	32.56	128	253	P	H
	*	5510	92.24	-	-	84.11	32.4	8.29	32.56	128	253	A	H
		5749.075	47.23	-26.77	74	39.01	32.54	8.33	32.65	128	253	P	H
		5745.225	39.67	-14.33	54	31.45	32.54	8.33	32.65	128	253	A	H
		5469.76	51.99	-22.01	74	43.89	32.36	8.29	32.55	306	52	P	V
		5470	46.53	-7.47	54	38.43	32.36	8.29	32.55	306	52	A	V
	*	5510	101.15	-	-	93.02	32.4	8.29	32.56	306	52	P	V
	*	5510	93.91	-	-	85.78	32.4	8.29	32.56	306	52	A	V
		5758	49.13	-24.87	74	40.9	32.56	8.33	32.66	306	52	P	V
		5746.975	40.03	-13.97	54	31.81	32.54	8.33	32.65	306	52	A	V
802.11n HT40 CH 110 5550MHz		5416	49.38	-24.62	74	41.34	32.3	8.29	32.55	135	253	P	H
		5463.52	41.62	-12.38	54	33.52	32.36	8.29	32.55	135	253	A	H
	*	5550	99.62	-	-	91.52	32.43	8.24	32.57	135	253	P	H
	*	5550	92.05	-	-	83.95	32.43	8.24	32.57	135	253	A	H
		5727.375	47.37	-26.63	74	39.15	32.53	8.33	32.64	135	253	P	H
		5727.55	39.67	-14.33	54	31.45	32.53	8.33	32.64	135	253	A	H
		5463.52	50.36	-23.64	74	42.26	32.36	8.29	32.55	314	70	P	V
		5465.92	43.28	-10.72	54	35.18	32.36	8.29	32.55	314	70	A	V
	*	5550	100.64	-	-	92.54	32.43	8.24	32.57	314	70	P	V
	*	5550	93.35	-	-	85.25	32.43	8.24	32.57	314	70	A	V
		5754.325	47.89	-26.11	74	39.65	32.56	8.33	32.65	314	70	P	V
		5727.725	40.14	-13.86	54	31.92	32.53	8.33	32.64	314	70	A	V



802.11n HT40 CH 134 5670MHz		5425.84	47.87	-26.13	74	39.83	32.3	8.29	32.55	126	254	P	H
		5446.96	40.32	-13.68	54	32.24	32.34	8.29	32.55	126	254	A	H
	*	5670	99.74	-	-	91.59	32.5	8.27	32.62	126	254	P	H
	*	5670	92.25	-	-	84.1	32.5	8.27	32.62	126	254	A	H
		5756.25	49.48	-24.52	74	41.25	32.56	8.33	32.66	126	254	P	H
		5727.55	41.5	-12.5	54	33.28	32.53	8.33	32.64	126	254	A	H
		5422.72	48.76	-25.24	74	40.72	32.3	8.29	32.55	299	58	P	V
		5444.8	40.67	-13.33	54	32.61	32.32	8.29	32.55	299	58	A	V
	*	5670	101.53	-	-	93.38	32.5	8.27	32.62	299	58	P	V
	*	5670	93.84	-	-	85.69	32.5	8.27	32.62	299	58	A	V
		5737	49.56	-24.44	74	41.34	32.54	8.33	32.65	299	58	P	V
		5758.7	42.39	-11.61	54	34.16	32.56	8.33	32.66	299	58	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	40.89	-33.11	74	39.3	40.29	12.3	51	100	0	P	H
		16530	38.02	-35.98	74	35.87	38.91	15.24	52	100	0	P	H
													H
													H
		11020	40.14	-33.86	74	38.55	40.29	12.3	51	100	0	P	V
		16530	38.22	-35.78	74	36.07	38.91	15.24	52	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	41.01	-32.99	74	39.45	40.24	12.35	51.03	100	0	P	H
		16650	39.13	-34.87	74	36.58	39.3	15.28	52.03	100	0	P	H
													H
													H
		11100	40.1	-33.9	74	38.54	40.24	12.35	51.03	100	0	P	V
		16650	39.08	-34.92	74	36.53	39.3	15.28	52.03	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	41.11	-32.89	74	39.66	40.1	12.49	51.14	100	0	P	H
		17010	41.11	-32.89	74	37.37	40.45	15.39	52.1	100	0	P	H
													H
													H
		11340	39.13	-34.87	74	37.68	40.1	12.49	51.14	100	0	P	V
		17010	40.83	-33.17	74	37.09	40.45	15.39	52.1	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5460.64	54.54	-19.46	74	46.46	32.34	8.29	32.55	100	256	P	H
		5468.56	48.51	-5.49	54	40.41	32.36	8.29	32.55	100	256	A	H
	*	5530	98.59	-	-	90.51	32.41	8.24	32.57	100	256	P	H
	*	5530	90.17	-	-	82.09	32.41	8.24	32.57	100	256	A	H
		5741.375	48.38	-25.62	74	40.16	32.54	8.33	32.65	100	256	P	H
		5752.05	40.11	-13.89	54	31.87	32.56	8.33	32.65	100	256	A	H
		5470	54.27	-19.73	74	46.17	32.36	8.29	32.55	304	52	P	V
		5467.84	48.3	-5.7	54	40.2	32.36	8.29	32.55	304	52	A	V
	*	5530	97.93	-	-	89.85	32.41	8.24	32.57	304	52	P	V
	*	5530	90.11	-	-	82.03	32.41	8.24	32.57	304	52	A	V
		5760.45	48.61	-25.39	74	40.38	32.56	8.33	32.66	304	52	P	V
		5749.95	39.93	-14.07	54	31.71	32.54	8.33	32.65	304	52	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	40.25	-33.75	74	38.69	40.26	12.32	51.02	100	0	P	H
		16590	38.49	-35.51	74	36.17	39.08	15.26	52.02	100	0	P	H
													H
													H
		11060	40.08	-33.92	74	38.52	40.26	12.32	51.02	100	0	P	V
		16590	38.5	-35.5	74	36.18	39.08	15.26	52.02	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	103.89	-	-	95.7	32.53	8.3	32.64	109	257	P	H
	*	5720	94.51	-	-	86.32	32.53	8.3	32.64	109	257	A	H
													H
													H
													H
													H
	*	5720	102.6	-	-	94.41	32.53	8.3	32.64	297	64	P	V
	*	5720	93.91	-	-	85.72	32.53	8.3	32.64	297	64	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 802.11a (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	43.08	-30.92	74	52.39	40.04	12.56	61.91	100	0	P	H
		17160	46.53	-27.47	74	51.49	40.87	15.57	61.4	100	0	P	H
													H
													H
		11440	43.2	-30.8	74	52.51	40.04	12.56	61.91	100	0	P	V
		17160	46.07	-27.93	74	51.03	40.87	15.57	61.4	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5720	103.05	-	-	94.86	32.53	8.3	32.64	104	256	P	H
	*	5720	94.6	-	-	86.41	32.53	8.3	32.64	104	256	A	H
													H
													H
													H
													H
	*	5720	103.66	-	-	95.47	32.53	8.3	32.64	301	49	P	V
	*	5720	95.89	-	-	87.7	32.53	8.3	32.64	301	49	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	40.66	-33.34	74	39.23	40.04	12.56	51.17	100	0	P	H
		17160	41.69	-32.31	74	37.38	40.87	15.57	52.13	100	0	P	H
													H
													H
		11440	39.82	-34.18	74	38.39	40.04	12.56	51.17	100	0	P	V
		17160	42.91	-31.09	74	38.6	40.87	15.57	52.13	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5710	99.95	-	-	91.77	32.52	8.3	32.64	102	213	P	H
	*	5710	92.26	-	-	84.08	32.52	8.3	32.64	102	213	A	H
													H
													H
													H
													H
	*	5710	101.62	-	-	93.44	32.52	8.3	32.64	296	54	P	V
	*	5710	94.12	-	-	85.94	32.52	8.3	32.64	296	54	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	39.36	-34.64	74	37.95	40.05	12.53	51.17	100	0	P	H
		17130	42.06	-31.94	74	37.89	40.77	15.52	52.12	100	0	P	H
													H
													H
		11420	39.16	-34.84	74	37.75	40.05	12.53	51.17	100	0	P	V
		17130	41.81	-32.19	74	37.64	40.77	15.52	52.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - Straddle Channel****WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	95.55	-	-	87.37	32.51	8.3	32.63	130	255	P	H
	*	5690	88.59	-	-	80.41	32.51	8.3	32.63	130	255	A	H
													H
													H
													H
													H
	*	5690	97.94	-	-	89.76	32.51	8.3	32.63	303	59	P	V
	*	5690	90.92	-	-	82.74	32.51	8.3	32.63	303	59	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 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	39.99	-34.01	74	38.56	40.07	12.51	51.15	100	0	P	H
		17070	40.11	-33.89	74	36.21	40.59	15.43	52.12	100	0	P	H
													H
													H
		11380	39.53	-34.47	74	38.1	40.07	12.51	51.15	100	0	P	V
		17070	40.25	-33.75	74	36.35	40.59	15.43	52.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ac VHT80 (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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
WIFI 802.11ac VHT80 LF		79.41	24.48	-15.52	40	42.53	13.78	0.93	32.76	-	-	P	H
		140.97	24.6	-18.9	43.5	38.06	17.97	1.33	32.76	-	-	P	H
		183.9	33.53	-9.97	43.5	49.26	15.54	1.48	32.75	100	0	P	H
		752.2	28.82	-17.18	46	31.33	27.52	2.91	32.94	-	-	P	H
		835.5	29.35	-16.65	46	30.51	28.46	3.07	32.69	-	-	P	H
		937	30.55	-15.45	46	29.48	29.67	3.29	31.89	-	-	P	H
													H
													H
													H
													H
													H
													H
		39.18	27.33	-12.67	40	38.37	21.06	0.65	32.75	-	-	P	V
		58.35	27.84	-12.16	40	47.01	12.64	0.93	32.74	100	0	P	V
		78.87	27.59	-12.41	40	45.76	13.66	0.93	32.76	-	-	P	V
		675.9	27.08	-18.92	46	31.24	26.16	2.67	32.99	-	-	P	V
		791.4	29.58	-16.42	46	31.69	27.83	2.97	32.91	-	-	P	V
		946.8	31.59	-14.41	46	30.16	29.92	3.29	31.78	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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.	
2		(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”.



Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		5141.18	50.28	-23.72	74	42.9	31.98	7.94	32.54	100	302	P	H
		5149.76	43.53	-10.47	54	36.15	31.98	7.94	32.54	100	302	A	H
	*	5180	104.89	-	-	97.5	32.02	7.91	32.54	100	302	P	H
	*	5180	96.9	-	-	89.51	32.02	7.91	32.54	100	302	A	H
													H
													H
		5084.24	47.95	-26.05	74	40.62	31.9	7.96	32.53	330	253	P	V
		5148.46	40.4	-13.6	54	33.02	31.98	7.94	32.54	330	253	A	V
	*	5180	99.91	-	-	92.52	32.02	7.91	32.54	330	253	P	V
	*	5180	91.76	-	-	84.37	32.02	7.91	32.54	330	253	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5146.64	48.76	-25.24	74	41.38	31.98	7.94	32.54	100	300	P	H
		5140.14	41.18	-12.82	54	33.8	31.98	7.94	32.54	100	300	A	H
	*	5220	106.19	-	-	98.66	32.06	8.01	32.54	100	300	P	H
	*	5220	97.75	-	-	90.22	32.06	8.01	32.54	100	300	A	H
		5378.16	47.43	-26.57	74	39.43	32.26	8.29	32.55	100	300	P	H
		5381.04	40.54	-13.46	54	32.54	32.26	8.29	32.55	100	300	A	H
		5086.32	48.32	-25.68	74	40.99	31.9	7.96	32.53	341	255	P	V
		5132.08	40.5	-13.5	54	33.14	31.96	7.94	32.54	341	255	A	V
	*	5220	100.12	-	-	92.59	32.06	8.01	32.54	341	255	P	V
	*	5220	92.65	-	-	85.12	32.06	8.01	32.54	341	255	A	V
		5351.28	47.22	-26.78	74	39.31	32.22	8.23	32.54	341	255	P	V
		5412.72	39.43	-14.57	54	31.39	32.3	8.29	32.55	341	255	A	V



802.11n HT20 CH 48 5240MHz		5127.92	48.14	-25.86	74	40.78	31.96	7.94	32.54	100	303	P	H
		5004.68	40.72	-13.28	54	33.41	31.82	8.02	32.53	100	303	A	H
	*	5240	106.35	-	-	98.8	32.08	8.01	32.54	100	303	P	H
	*	5240	97.68	-	-	90.13	32.08	8.01	32.54	100	303	A	H
		5395.68	48.19	-25.81	74	40.17	32.28	8.29	32.55	100	303	P	H
		5350.32	40.69	-13.31	54	32.78	32.22	8.23	32.54	100	303	A	H
		5074.88	47.69	-26.31	74	40.33	31.9	7.99	32.53	376	259	P	V
		5133.38	39.73	-14.27	54	32.37	31.96	7.94	32.54	376	259	A	V
	*	5240	100.91	-	-	93.36	32.08	8.01	32.54	376	259	P	V
	*	5240	92.52	-	-	84.97	32.08	8.01	32.54	376	259	A	V
		5356.32	46.5	-27.5	74	38.59	32.22	8.23	32.54	376	259	P	V
		5373.36	39.39	-14.61	54	31.41	32.24	8.29	32.55	376	259	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	43.94	-30.06	74	54.5	39.69	11.96	62.21	100	0	P	H
		15540	41.61	-32.39	74	50.59	38.04	14.76	61.78	100	0	P	H
													H
													H
		10360	43.32	-30.68	74	53.88	39.69	11.96	62.21	100	0	P	V
		15540	42.33	-31.67	74	51.31	38.04	14.76	61.78	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	44.06	-29.94	74	54.39	39.79	12.03	62.15	100	0	P	H
		15660	42.36	-31.64	74	51.43	37.85	14.79	61.71	100	0	P	H
													H
													H
		10440	43.65	-30.35	74	53.98	39.79	12.03	62.15	100	0	P	V
		15660	41.81	-32.19	74	50.88	37.85	14.79	61.71	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	43.5	-30.5	74	53.68	39.87	12.06	62.11	100	0	P	H
		15720	40.91	-33.09	74	50.03	37.74	14.81	61.67	100	0	P	H
													H
													H
		10480	43.52	-30.48	74	53.7	39.87	12.06	62.11	100	0	P	V
		15720	41.76	-32.24	74	50.88	37.74	14.81	61.67	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.76	54.7	-19.3	74	47.32	31.98	7.94	32.54	100	289	P	H
		5149.76	46.2	-7.8	54	38.82	31.98	7.94	32.54	100	289	A	H
	*	5190	102.62	-	-	95.23	32.02	7.91	32.54	100	289	P	H
	*	5190	94.62	-	-	87.23	32.02	7.91	32.54	100	289	A	H
		5352	48.29	-25.71	74	40.38	32.22	8.23	32.54	100	289	P	H
		5355.84	40.43	-13.57	54	32.52	32.22	8.23	32.54	100	289	A	H
		5148.46	49.92	-24.08	74	42.54	31.98	7.94	32.54	343	253	P	V
		5150	42.19	-11.81	54	34.81	31.98	7.94	32.54	343	253	A	V
	*	5190	96.31	-	-	88.92	32.02	7.91	32.54	343	253	P	V
	*	5190	88.74	-	-	81.35	32.02	7.91	32.54	343	253	A	V
		5412.48	48.23	-25.77	74	40.19	32.3	8.29	32.55	343	253	P	V
		5353.2	39.65	-14.35	54	31.74	32.22	8.23	32.54	343	253	A	V
802.11n HT40 CH 46 5230MHz		5131.3	49.29	-24.71	74	41.93	31.96	7.94	32.54	100	288	P	H
		5147.16	42.05	-11.95	54	34.67	31.98	7.94	32.54	100	288	A	H
	*	5230	102.82	-	-	95.27	32.08	8.01	32.54	100	288	P	H
	*	5230	95.01	-	-	87.46	32.08	8.01	32.54	100	288	A	H
		5442.72	47.54	-26.46	74	39.48	32.32	8.29	32.55	100	288	P	H
		5350.8	40.51	-13.49	54	32.6	32.22	8.23	32.54	100	288	A	H
		5128.96	48.14	-25.86	74	40.78	31.96	7.94	32.54	340	256	P	V
		5148.72	40.35	-13.65	54	32.97	31.98	7.94	32.54	340	256	A	V
	*	5230	97.43	-	-	89.88	32.08	8.01	32.54	340	256	P	V
	*	5230	89.37	-	-	81.82	32.08	8.01	32.54	340	256	A	V
		5407.2	48.14	-25.86	74	40.12	32.28	8.29	32.55	340	256	P	V
		5353.92	39.82	-14.18	54	31.91	32.22	8.23	32.54	340	256	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	43.49	-30.51	74	54.01	39.71	11.96	62.19	100	0	P	H
		15570	39.63	-34.37	74	48.63	37.99	14.77	61.76	100	0	P	H
													H
													H
		10380	42.91	-31.09	74	53.43	39.71	11.96	62.19	100	0	P	V
		15570	40.59	-33.41	74	49.59	37.99	14.77	61.76	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	43.44	-30.56	74	53.73	39.82	12.03	62.14	100	0	P	H
		15690	41.79	-32.21	74	50.88	37.8	14.8	61.69	100	0	P	H
													H
													H
		10460	44.51	-29.49	74	54.8	39.82	12.03	62.14	100	0	P	V
		15690	41.32	-32.68	74	50.41	37.8	14.8	61.69	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5143.78	54.75	-19.25	74	47.37	31.98	7.94	32.54	100	288	P	H
		5147.94	49.6	-4.4	54	42.22	31.98	7.94	32.54	100	288	A	H
	*	5210	99.22	-	-	91.69	32.06	8.01	32.54	100	288	P	H
	*	5210	93.25	-	-	85.72	32.06	8.01	32.54	100	288	A	H
		5364	49.46	-24.54	74	41.47	32.24	8.29	32.54	100	288	P	H
		5350.56	41.65	-12.35	54	33.74	32.22	8.23	32.54	100	288	A	H
		5127.66	50.5	-23.5	74	43.14	31.96	7.94	32.54	339	249	P	V
		5146.38	47.24	-6.76	54	39.86	31.98	7.94	32.54	339	249	A	V
	*	5210	93.15	-	-	85.62	32.06	8.01	32.54	339	249	P	V
	*	5210	87.72	-	-	80.19	32.06	8.01	32.54	339	249	A	V
		5357.76	48.51	-25.49	74	40.6	32.22	8.23	32.54	339	249	P	V
		5350.8	40.9	-13.1	54	32.99	32.22	8.23	32.54	339	249	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	41.98	-32.02	74	52.38	39.77	12	62.17	100	0	P	H
		15630	40.28	-33.72	74	49.34	37.88	14.78	61.72	100	0	P	H
													H
													H
		10420	42.15	-31.85	74	52.55	39.77	12	62.17	100	0	P	V
		15630	40.01	-33.99	74	49.07	37.88	14.78	61.72	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		5083.98	48.54	-25.46	74	41.21	31.9	7.96	32.53	100	303	P	H
		5102.18	40.66	-13.34	54	33.31	31.92	7.96	32.53	100	303	A	H
	*	5260	105.7	-	-	98	32.12	8.12	32.54	100	303	P	H
	*	5260	98.39	-	-	90.69	32.12	8.12	32.54	100	303	A	H
		5416.56	48.88	-25.12	74	40.84	32.3	8.29	32.55	100	303	P	H
		5351.76	40.97	-13.03	54	33.06	32.22	8.23	32.54	100	303	A	H
		5067.34	47.37	-26.63	74	40.03	31.88	7.99	32.53	316	257	P	V
		5101.66	39.66	-14.34	54	32.31	31.92	7.96	32.53	316	257	A	V
	*	5260	101.02	-	-	93.32	32.12	8.12	32.54	316	257	P	V
	*	5260	92.79	-	-	85.09	32.12	8.12	32.54	316	257	A	V
		5351.04	47.66	-26.34	74	39.75	32.22	8.23	32.54	316	257	P	V
		5353.92	39.8	-14.2	54	31.89	32.22	8.23	32.54	316	257	A	V
802.11n HT20 CH 60 5300MHz		5140.66	48.14	-25.86	74	40.76	31.98	7.94	32.54	100	303	P	H
		5145.08	40.8	-13.2	54	33.42	31.98	7.94	32.54	100	303	A	H
	*	5300	105.48	-	-	97.68	32.16	8.18	32.54	100	303	P	H
	*	5300	97.4	-	-	89.6	32.16	8.18	32.54	100	303	A	H
		5410.56	49.68	-24.32	74	41.66	32.28	8.29	32.55	100	303	P	H
		5355.6	42.7	-11.3	54	34.79	32.22	8.23	32.54	100	303	A	H
		5147.16	48.66	-25.34	74	41.28	31.98	7.94	32.54	335	259	P	V
		5067.6	40.04	-13.96	54	32.7	31.88	7.99	32.53	335	259	A	V
	*	5300	101.08	-	-	93.28	32.16	8.18	32.54	335	259	P	V
	*	5300	93.84	-	-	86.04	32.16	8.18	32.54	335	259	A	V
		5352.72	48.92	-25.08	74	41.01	32.22	8.23	32.54	335	259	P	V
		5359.2	41.17	-12.83	54	33.26	32.22	8.23	32.54	335	259	A	V



802.11n HT20 CH 64 5320MHz	*	5320	104.98	-	-	97.16	32.18	8.18	32.54	100	303	P	H
	*	5320	96.53	-	-	88.71	32.18	8.18	32.54	100	303	A	H
		5352.32	50.74	-23.26	74	42.83	32.22	8.23	32.54	100	303	P	H
		5354.56	43.84	-10.16	54	35.93	32.22	8.23	32.54	100	303	A	H
													H
													H
	*	5320	101.92	-	-	94.1	32.18	8.18	32.54	328	255	P	V
	*	5320	94.18	-	-	86.36	32.18	8.18	32.54	328	255	A	V
		5358.24	49.81	-24.19	74	41.9	32.22	8.23	32.54	328	255	P	V
		5351.68	42.6	-11.4	54	34.69	32.22	8.23	32.54	328	255	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	42.85	-31.15	74	52.96	39.91	12.08	62.1	100	0	P	H
		15780	42.16	-31.84	74	51.31	37.66	14.82	61.63	100	0	P	H
													H
													H
		10520	44.36	-29.64	74	54.47	39.91	12.08	62.1	100	0	P	V
		15780	40.84	-33.16	74	49.99	37.66	14.82	61.63	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	43.29	-30.71	74	53.28	39.98	12.11	62.08	100	0	P	H
		15900	40.23	-33.77	74	49.47	37.47	14.85	61.56	100	0	P	H
													H
													H
		10600	42.84	-31.16	74	52.83	39.98	12.11	62.08	100	0	P	V
		15900	41.2	-32.8	74	50.44	37.47	14.85	61.56	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	44.16	-29.84	74	54.09	40.01	12.13	62.07	100	0	P	H
		15960	43.92	-30.08	74	53.21	37.36	14.87	61.52	100	0	P	H
													H
													H
		10640	44.18	-29.82	74	54.11	40.01	12.13	62.07	100	0	P	V
		15960	42.62	-31.38	74	51.91	37.36	14.87	61.52	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5061.62	49.83	-24.17	74	42.49	31.88	7.99	32.53	100	287	P	H
		5131.56	41.06	-12.94	54	33.7	31.96	7.94	32.54	100	287	A	H
	*	5270	102.93	-	-	95.23	32.12	8.12	32.54	100	287	P	H
	*	5270	94.96	-	-	87.26	32.12	8.12	32.54	100	287	A	H
		5366.64	49	-25	74	41.01	32.24	8.29	32.54	100	287	P	H
		5352.96	41.83	-12.17	54	33.92	32.22	8.23	32.54	100	287	A	H
		5085.28	47.92	-26.08	74	40.59	31.9	7.96	32.53	342	258	P	V
		5130.78	40.26	-13.74	54	32.9	31.96	7.94	32.54	342	258	A	V
	*	5270	97.4	-	-	89.7	32.12	8.12	32.54	342	258	P	V
	*	5270	89.83	-	-	82.13	32.12	8.12	32.54	342	258	A	V
		5362.56	47.65	-26.35	74	39.66	32.24	8.29	32.54	342	258	P	V
		5351.76	40.63	-13.37	54	32.72	32.22	8.23	32.54	342	258	A	V
802.11n HT40 CH 62 5310MHz		5069.94	48.26	-25.74	74	40.92	31.88	7.99	32.53	101	287	P	H
		5138.06	41.23	-12.77	54	33.87	31.96	7.94	32.54	101	287	A	H
	*	5310	102.51	-	-	94.69	32.18	8.18	32.54	101	287	P	H
	*	5310	93.97	-	-	86.15	32.18	8.18	32.54	101	287	A	H
		5359.44	49.99	-24.01	74	42.08	32.22	8.23	32.54	101	287	P	H
		5351.52	45.28	-8.72	54	37.37	32.22	8.23	32.54	101	287	A	H
		5065.78	48.56	-25.44	74	41.22	31.88	7.99	32.53	329	256	P	V
		5144.3	40	-14	54	32.62	31.98	7.94	32.54	329	256	A	V
	*	5310	98.11	-	-	90.29	32.18	8.18	32.54	329	256	P	V
	*	5310	90.34	-	-	82.52	32.18	8.18	32.54	329	256	A	V
		5352.24	51.13	-22.87	74	43.22	32.22	8.23	32.54	329	256	P	V
		5350.08	44.14	-9.86	54	36.23	32.22	8.23	32.54	329	256	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	43.42	-30.58	74	53.5	39.93	12.08	62.09	100	0	P	H
		15810	42.07	-31.93	74	51.25	37.6	14.83	61.61	100	0	P	H
													H
													H
		10540	44.21	-29.79	74	54.29	39.93	12.08	62.09	100	0	P	V
		15810	41.33	-32.67	74	50.51	37.6	14.83	61.61	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	43.67	-30.33	74	53.64	40	12.11	62.08	100	0	P	H
		15930	40.66	-33.34	74	49.93	37.41	14.86	61.54	100	0	P	H
													H
													H
		10620	43.72	-30.28	74	53.69	40	12.11	62.08	100	0	P	V
		15930	40.5	-33.5	74	49.77	37.41	14.86	61.54	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5081.38	48.52	-25.48	74	41.16	31.9	7.99	32.53	100	290	P	H
		5038.74	42.36	-11.64	54	35.01	31.86	8.02	32.53	100	290	A	H
	*	5290	99.24	-	-	91.46	32.14	8.18	32.54	100	290	P	H
	*	5290	93.49	-	-	85.71	32.14	8.18	32.54	100	290	A	H
		5350.8	52.95	-21.05	74	45.04	32.22	8.23	32.54	100	290	P	H
		5357.52	47.78	-6.22	54	39.87	32.22	8.23	32.54	100	290	A	H
		5059.8	49.79	-24.21	74	42.45	31.88	7.99	32.53	339	257	P	V
		5128.18	41.3	-12.7	54	33.94	31.96	7.94	32.54	339	257	A	V
	*	5290	94.8	-	-	87.02	32.14	8.18	32.54	339	257	P	V
	*	5290	89.12	-	-	81.34	32.14	8.18	32.54	339	257	A	V
		5359.44	50.31	-23.69	74	42.4	32.22	8.23	32.54	339	257	P	V
		5353.92	45.61	-8.39	54	37.7	32.22	8.23	32.54	339	257	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	42.95	-31.05	74	52.96	39.97	12.1	62.08	100	0	P	H
		15870	40.27	-33.73	74	49.51	37.49	14.84	61.57	100	0	P	H
													H
													H
		10580	43.1	-30.9	74	53.11	39.97	12.1	62.08	100	0	P	V
		15870	41.16	-32.84	74	50.4	37.49	14.84	61.57	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		5451.28	50.17	-23.83	74	42.09	32.34	8.29	32.55	100	296	P	H
		5470	44.46	-9.54	54	36.36	32.36	8.29	32.55	100	296	A	H
	*	5500	104.26	-	-	96.12	32.4	8.29	32.55	100	296	P	H
	*	5500	97.35	-	-	89.21	32.4	8.29	32.55	100	296	A	H
													H
													H
		5463.44	50.47	-23.53	74	42.37	32.36	8.29	32.55	306	243	P	V
		5468.08	43.11	-10.89	54	35.01	32.36	8.29	32.55	306	243	A	V
	*	5500	102.78	-	-	94.64	32.4	8.29	32.55	306	243	P	V
	*	5500	94.74	-	-	86.6	32.4	8.29	32.55	306	243	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5449.84	48.43	-25.57	74	40.35	32.34	8.29	32.55	102	301	P	H
		5469.28	40.83	-13.17	54	32.73	32.36	8.29	32.55	102	301	A	H
	*	5580	105.46	-	-	97.41	32.44	8.2	32.59	102	301	P	H
	*	5580	97.67	-	-	89.62	32.44	8.2	32.59	102	301	A	H
		5756.075	48.26	-25.74	74	40.03	32.56	8.33	32.66	102	301	P	H
		5737	40.29	-13.71	54	32.07	32.54	8.33	32.65	102	301	A	H
		5447.44	47.54	-26.46	74	39.46	32.34	8.29	32.55	314	251	P	V
		5469.04	39.94	-14.06	54	31.84	32.36	8.29	32.55	314	251	A	V
	*	5580	102.75	-	-	94.7	32.44	8.2	32.59	314	251	P	V
	*	5580	94.03	-	-	85.98	32.44	8.2	32.59	314	251	A	V
		5743.475	49.04	-24.96	74	40.82	32.54	8.33	32.65	314	251	P	V
		5739.275	39.58	-14.42	54	31.36	32.54	8.33	32.65	314	251	A	V



802.11n HT20 CH 140 5700MHz	*	5700	105.19	-	-	97.01	32.51	8.3	32.63	100	302	P	H
	*	5700	97.49	-	-	89.31	32.51	8.3	32.63	100	302	A	H
		5725.24	53.49	-20.51	74	45.27	32.53	8.33	32.64	100	302	P	H
		5725	45.18	-8.82	54	36.96	32.53	8.33	32.64	100	302	A	H
													H
													H
	*	5700	102.92	-	-	94.74	32.51	8.3	32.63	315	255	P	V
	*	5700	94.19	-	-	86.01	32.51	8.3	32.63	315	255	A	V
		5738.76	50.42	-23.58	74	42.2	32.54	8.33	32.65	315	255	P	V
		5725.24	41.63	-12.37	54	33.41	32.53	8.33	32.64	315	255	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	42.92	-31.08	74	52.32	40.3	12.3	62	100	0	P	H
		16500	43.2	-30.8	74	51.17	38.8	15.23	62	100	0	P	H
													H
													H
		11000	44.17	-29.83	74	53.57	40.3	12.3	62	100	0	P	V
		16500	42.52	-31.48	74	50.49	38.8	15.23	62	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	43.94	-30.06	74	53.32	40.2	12.39	61.97	100	0	P	H
		16740	44.08	-29.92	74	50.97	39.57	15.3	61.76	100	0	P	H
													H
													H
		11160	43.19	-30.81	74	52.57	40.2	12.39	61.97	100	0	P	V
		16740	43.26	-30.74	74	50.15	39.57	15.3	61.76	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	43.47	-30.53	74	52.8	40.06	12.53	61.92	100	0	P	H
		17100	44.16	-29.84	74	49.44	40.68	15.48	61.44	100	0	P	H
													H
													H
		11400	43.6	-30.4	74	52.93	40.06	12.53	61.92	100	0	P	V
		17100	43.79	-30.21	74	49.07	40.68	15.48	61.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5468.08	51.4	-22.6	74	43.3	32.36	8.29	32.55	100	303	P	H
		5470	46.06	-7.94	54	37.96	32.36	8.29	32.55	100	303	A	H
	*	5510	102.54	-	-	94.41	32.4	8.29	32.56	100	303	P	H
	*	5510	94.25	-	-	86.12	32.4	8.29	32.56	100	303	A	H
		5757.475	47.95	-26.05	74	39.72	32.56	8.33	32.66	100	303	P	H
		5748.55	40.3	-13.7	54	32.08	32.54	8.33	32.65	100	303	A	H
		5464.24	50.9	-23.1	74	42.8	32.36	8.29	32.55	357	249	P	V
		5468.32	44.37	-9.63	54	36.27	32.36	8.29	32.55	357	249	A	V
	*	5510	97.39	-	-	89.26	32.4	8.29	32.56	357	249	P	V
	*	5510	91.44	-	-	83.31	32.4	8.29	32.56	357	249	A	V
		5760.1	46.61	-27.39	74	38.38	32.56	8.33	32.66	357	249	P	V
		5761.675	39.57	-14.43	54	31.32	32.56	8.35	32.66	357	249	A	V
802.11n HT40 CH 110 5550MHz		5464.72	49.76	-24.24	74	41.66	32.36	8.29	32.55	100	300	P	H
		5465.44	41.7	-12.3	54	33.6	32.36	8.29	32.55	100	300	A	H
	*	5550	102.91	-	-	94.81	32.43	8.24	32.57	100	300	P	H
	*	5550	94.67	-	-	86.57	32.43	8.24	32.57	100	300	A	H
		5739.8	47.65	-26.35	74	39.43	32.54	8.33	32.65	100	300	P	H
		5726.675	39.87	-14.13	54	31.65	32.53	8.33	32.64	100	300	A	H
		5383.84	48.54	-25.46	74	40.54	32.26	8.29	32.55	354	252	P	V
		5464.72	40.88	-13.12	54	32.78	32.36	8.29	32.55	354	252	A	V
	*	5550	97.22	-	-	89.12	32.43	8.24	32.57	354	252	P	V
	*	5550	91.62	-	-	83.52	32.43	8.24	32.57	354	252	A	V
		5758.7	47.42	-26.58	74	39.19	32.56	8.33	32.66	354	252	P	V
		5727.9	39.76	-14.24	54	31.54	32.53	8.33	32.64	354	252	A	V



802.11n HT40 CH 134 5670MHz		5431.12	49.05	-24.95	74	40.99	32.32	8.29	32.55	100	300	P	H
		5352.4	40.23	-13.77	54	32.32	32.22	8.23	32.54	100	300	A	H
	*	5670	102.47	-	-	94.32	32.5	8.27	32.62	100	300	P	H
	*	5670	95.04	-	-	86.89	32.5	8.27	32.62	100	300	A	H
		5739.8	51.65	-22.35	74	43.43	32.54	8.33	32.65	100	300	P	H
		5725.45	43.73	-10.27	54	35.51	32.53	8.33	32.64	100	300	A	H
		5459.68	47.25	-26.75	74	39.17	32.34	8.29	32.55	364	270	P	V
		5357.2	39.39	-14.61	54	31.48	32.22	8.23	32.54	364	270	A	V
	*	5670	97.41	-	-	89.26	32.5	8.27	32.62	364	270	P	V
	*	5670	90.6	-	-	82.45	32.5	8.27	32.62	364	270	A	V
		5753.975	48.77	-25.23	74	40.53	32.56	8.33	32.65	364	270	P	V
		5726.85	41.42	-12.58	54	33.2	32.53	8.33	32.64	364	270	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	42.6	-31.4	74	52.01	40.29	12.3	62	100	0	P	H
		16530	43.58	-30.42	74	51.4	38.91	15.24	61.97	100	0	P	H
													H
													H
		11020	42.83	-31.17	74	52.24	40.29	12.3	62	100	0	P	V
		16530	41.35	-32.65	74	49.17	38.91	15.24	61.97	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	42.42	-31.58	74	51.81	40.24	12.35	61.98	100	0	P	H
		16650	43.02	-30.98	74	50.28	39.3	15.28	61.84	100	0	P	H
													H
													H
		11100	42.62	-31.38	74	52.01	40.24	12.35	61.98	100	0	P	V
		16650	41.37	-32.63	74	48.63	39.3	15.28	61.84	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	41.97	-32.03	74	51.31	40.1	12.49	61.93	100	0	P	H
		17010	43.27	-30.73	74	48.92	40.45	15.39	61.49	100	0	P	H
													H
													H
		11340	42.14	-31.86	74	51.48	40.1	12.49	61.93	100	0	P	V
		17010	43.7	-30.3	74	49.35	40.45	15.39	61.49	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5460.64	52.93	-21.07	74	44.85	32.34	8.29	32.55	100	300	P	H
		5464.96	47.22	-6.78	54	39.12	32.36	8.29	32.55	100	300	A	H
	*	5530	99.97	-	-	91.89	32.41	8.24	32.57	100	300	P	H
	*	5530	92.65	-	-	84.57	32.41	8.24	32.57	100	300	A	H
		5761.675	48.2	-25.8	74	39.95	32.56	8.35	32.66	100	300	P	H
		5742.775	41.11	-12.89	54	32.89	32.54	8.33	32.65	100	300	A	H
		5467.84	51.31	-22.69	74	43.21	32.36	8.29	32.55	350	255	P	V
		5468.08	45.73	-8.27	54	37.63	32.36	8.29	32.55	350	255	A	V
	*	5530	95.32	-	-	87.24	32.41	8.24	32.57	350	255	P	V
	*	5530	88.86	-	-	80.78	32.41	8.24	32.57	350	255	A	V
		5752.925	47.61	-26.39	74	39.37	32.56	8.33	32.65	350	255	P	V
		5752.225	40.86	-13.14	54	32.62	32.56	8.33	32.65	350	255	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	43.19	-30.81	74	52.6	40.26	12.32	61.99	100	0	P	H
		16590	43.29	-30.71	74	50.86	39.08	15.26	61.91	100	0	P	H
													H
													H
		11060	42.65	-31.35	74	52.06	40.26	12.32	61.99	100	0	P	V
		16590	41.3	-32.7	74	48.87	39.08	15.26	61.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 144 5720MHz	*	5720	106.47	-	-	98.28	32.53	8.3	32.64	100	301	P	H
	*	5720	99.32	-	-	91.13	32.53	8.3	32.64	100	301	A	H
													H
													H
													H
													H
	*	5720	103.03	-	-	94.84	32.53	8.3	32.64	338	282	P	V
	*	5720	94.9	-	-	86.71	32.53	8.3	32.64	338	282	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	44.84	-29.16	74	54.15	40.04	12.56	61.91	100	0	P	H
		17160	44.36	-29.64	74	49.32	40.87	15.57	61.4	100	0	P	H
													H
													H
		11440	43.46	-30.54	74	52.77	40.04	12.56	61.91	100	0	P	V
		17160	43.37	-30.63	74	48.33	40.87	15.57	61.4	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5710	102.27	-	-	94.09	32.52	8.3	32.64	100	299	P	H
	*	5710	95.02	-	-	86.84	32.52	8.3	32.64	100	299	A	H
													H
													H
													H
													H
	*	5710	97.92	-	-	89.74	32.52	8.3	32.64	358	271	P	V
	*	5710	90.31	-	-	82.13	32.52	8.3	32.64	358	271	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	42.77	-31.23	74	52.11	40.05	12.53	61.92	100	0	P	H
		17130	43.63	-30.37	74	48.76	40.77	15.52	61.42	100	0	P	H
													H
													H
		11420	43.4	-30.6	74	52.74	40.05	12.53	61.92	100	0	P	V
		17130	42.05	-31.95	74	47.18	40.77	15.52	61.42	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	99.76	-	-	91.58	32.51	8.3	32.63	100	300	P	H
	*	5690	93.88	-	-	85.7	32.51	8.3	32.63	100	300	A	H
													H
													H
													H
													H
	*	5690	95.31	-	-	87.13	32.51	8.3	32.63	350	253	P	V
	*	5690	88.8	-	-	80.62	32.51	8.3	32.63	350	253	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 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	43.05	-30.95	74	52.39	40.07	12.51	61.92	100	0	P	H
		17070	41.76	-32.24	74	47.2	40.59	15.43	61.46	100	0	P	H
													H
													H
		11380	42.41	-31.59	74	51.75	40.07	12.51	61.92	100	0	P	V
		17070	41.24	-32.76	74	46.68	40.59	15.43	61.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ac VHT80 (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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		31.62	22.97	-17.03	40	30.09	24.98	0.65	32.75	-	-	P	H
		130.17	18.56	-24.94	43.5	31.99	18	1.33	32.76	-	-	P	H
		199.83	23.37	-20.13	43.5	38.64	16	1.48	32.75	-	-	P	H
		762	28.57	-17.43	46	30.99	27.6	2.91	32.93	-	-	P	H
		850.2	29.96	-16.04	46	30.7	28.7	3.16	32.6	-	-	P	H
		943.3	30.93	-15.07	46	29.62	29.85	3.29	31.83	100	0	P	H
													H
													H
													H
													H
													H
													H
		39.72	26.06	-13.94	40	37.66	20.5	0.65	32.75	-	-	P	V
		50.25	27.32	-12.68	40	43.93	15.2	0.93	32.74	100	0	P	V
		95.88	25.84	-17.66	43.5	41.59	15.88	1.14	32.77	-	-	P	V
		787.9	29.01	-16.99	46	31.15	27.8	2.97	32.91	-	-	P	V
		890.1	30.48	-15.52	46	30.93	28.7	3.2	32.35	-	-	P	V
		946.1	30.73	-15.27	46	29.33	29.9	3.29	31.79	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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+2		(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 B. Radiated Spurious Emission

Test Engineer :	Tsung Lee, Stan Hsieh, and Kyle Chuang	Temperature :	21~23°C
		Relative Humidity :	45~49%

Note symbol

-L	Low channel location
-R	High channel location

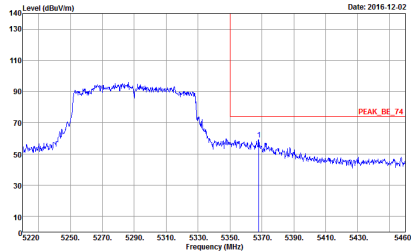
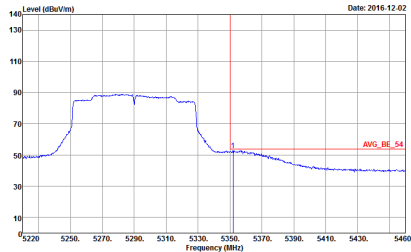


Band 2 - 5250~5350MHz

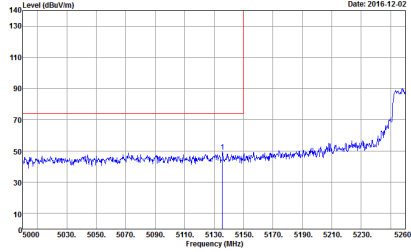
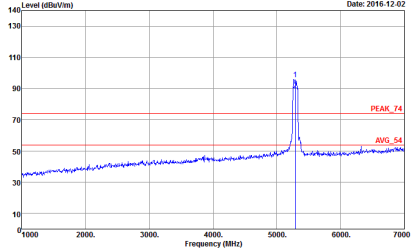
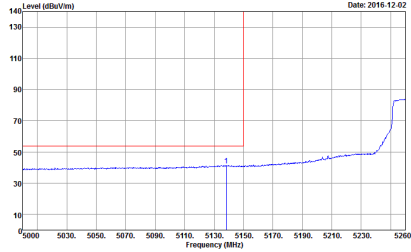
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 12.375	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 12.375
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 12.375	Left blank

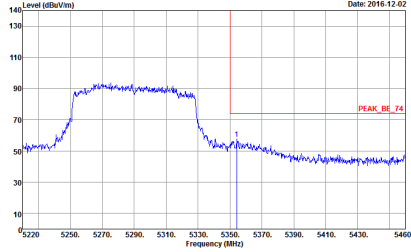
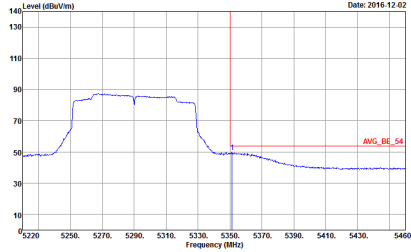


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 : 12.375	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 : 12.375	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 Date: 2016-12-02 12.375	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 Date: 2016-12-02 12.375
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 Date: 2016-12-02 12.375	Left blank

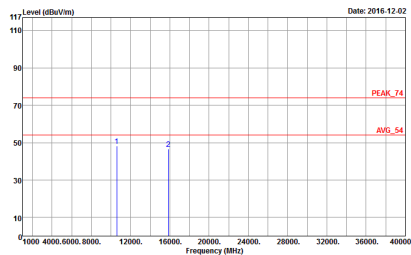
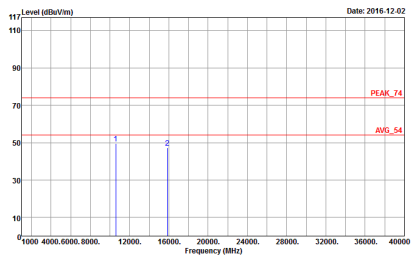


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 : 12.375	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 42 : 12.375	Left blank



Band 2 - 5250~5350MHz

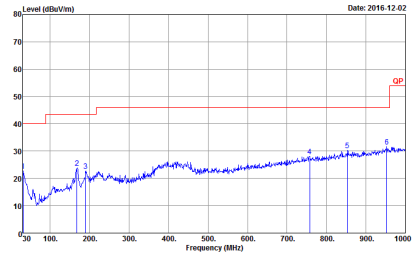
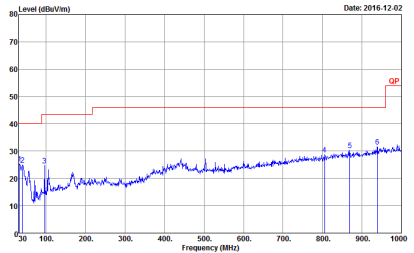
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 42	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 42



Emission below 1GHz

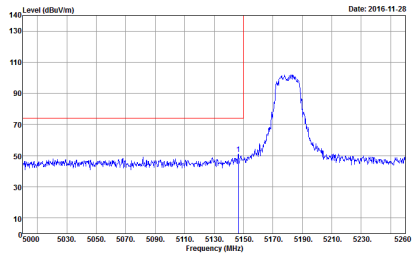
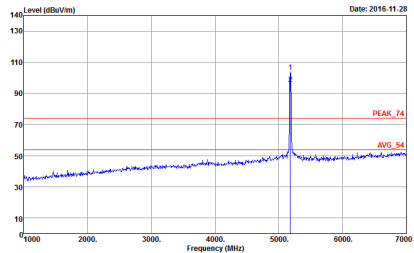
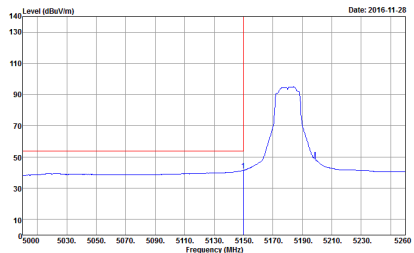
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH10-HY Condition : QP 3m BE-LO6 6111D-LF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 71	 Site : 03CH10-HY Condition : QP 3m BE-LO6 6111D-LF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 71

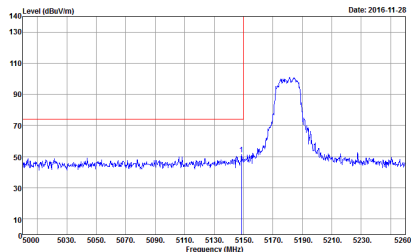
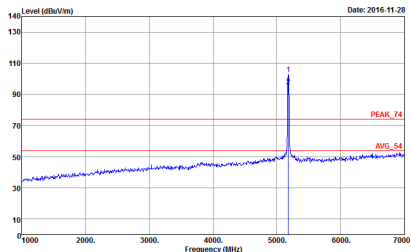
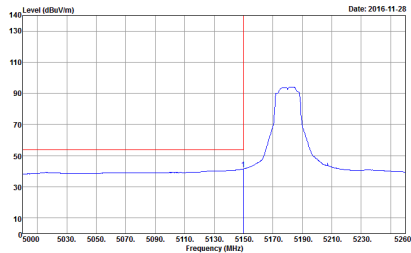


Band 1 - 5150~5250MHz

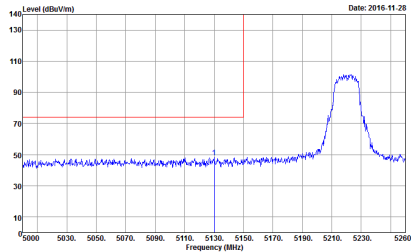
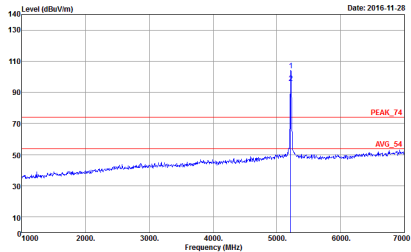
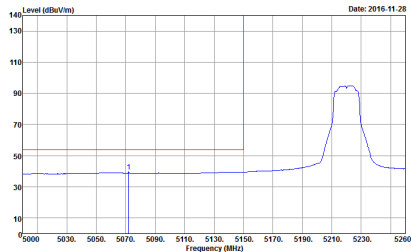
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AV6_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank

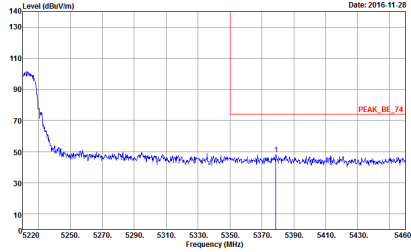
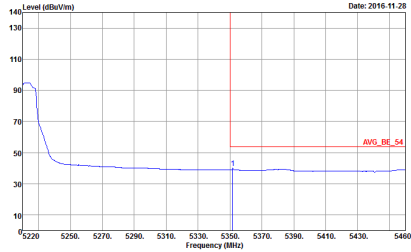


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank

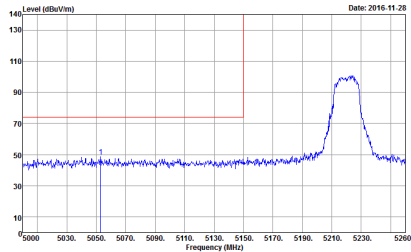
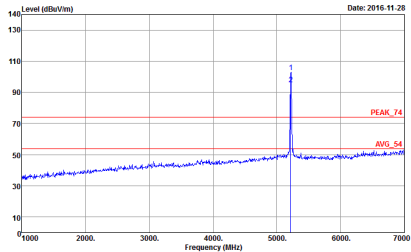
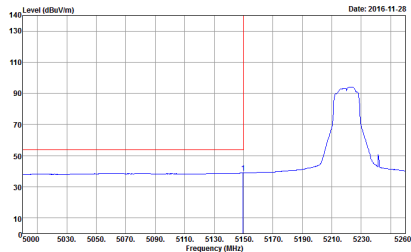


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank

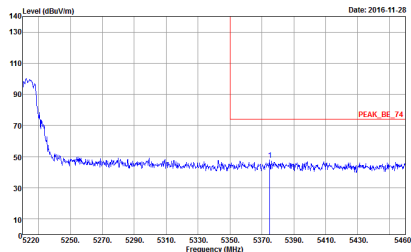
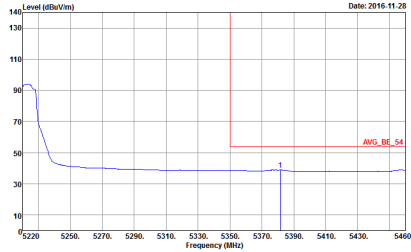


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank

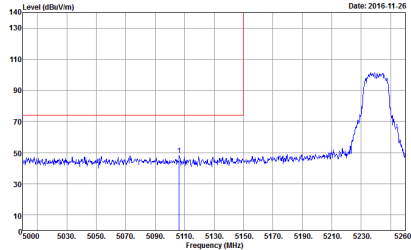
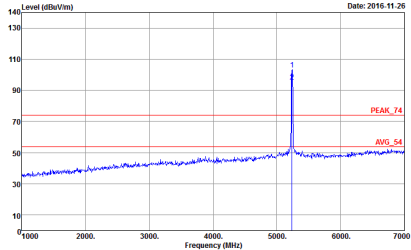
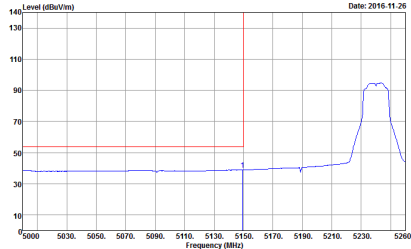


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_T4 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	 Site : 03CH10-HY Condition : PEAK_T4 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_S4 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank

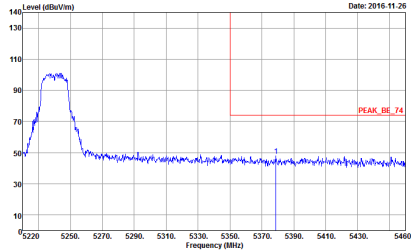
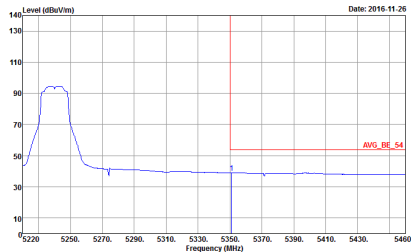


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 2	Left blank

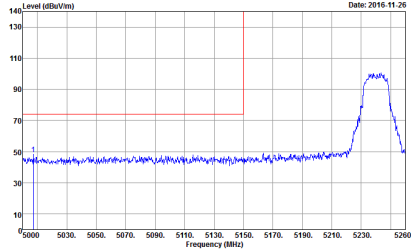
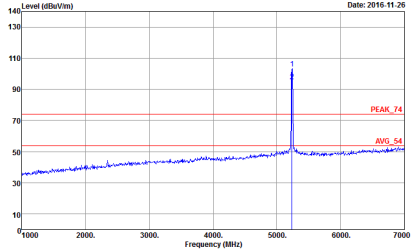
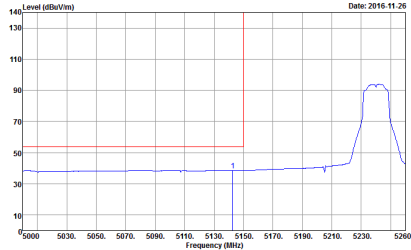


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_T4 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	 Site : 03CH10-HY Condition : PEAK_T4 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	Left blank

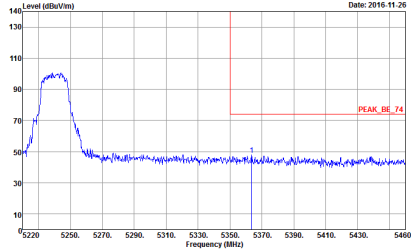
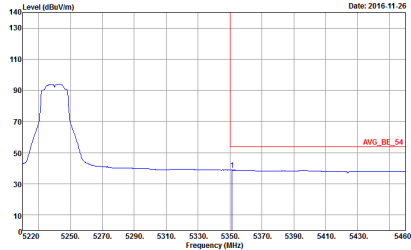


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	Left blank

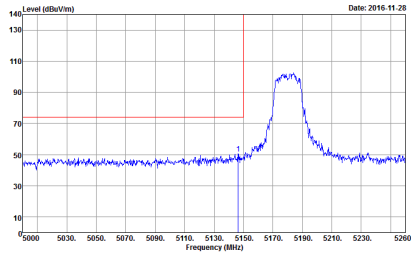
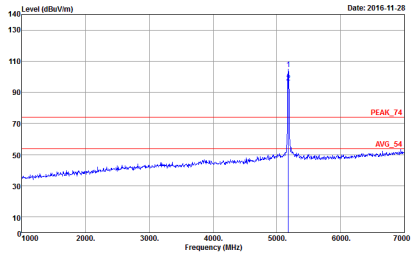
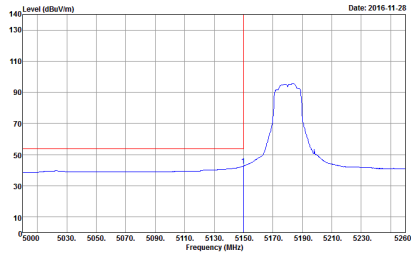


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 3	Left blank

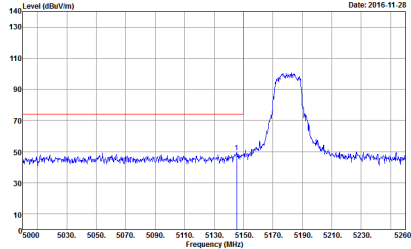
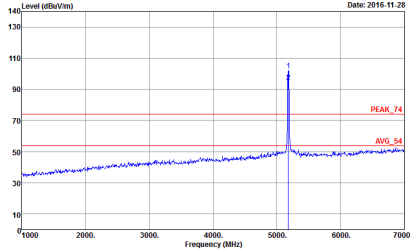
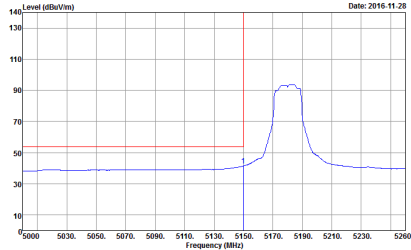


Band 1 5150~5250MHz

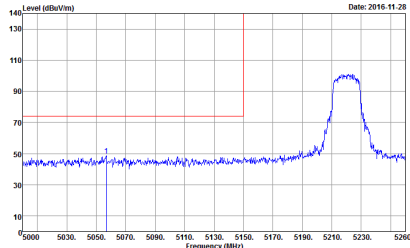
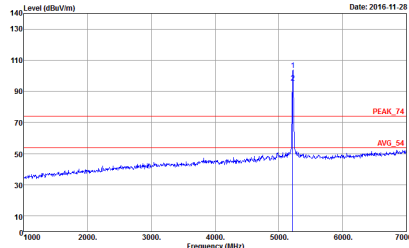
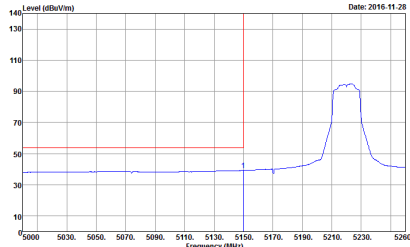
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	Left blank

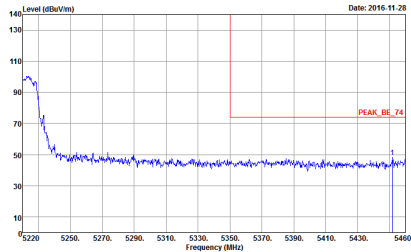
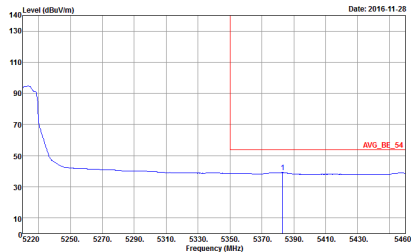


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	Left blank

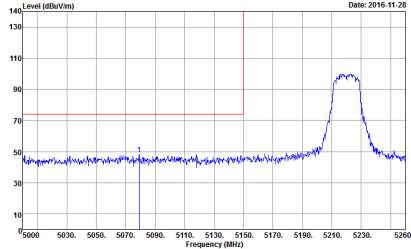
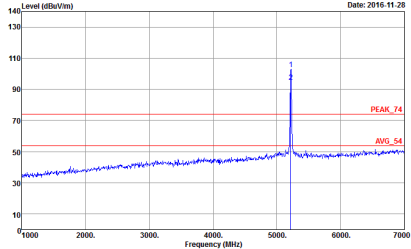
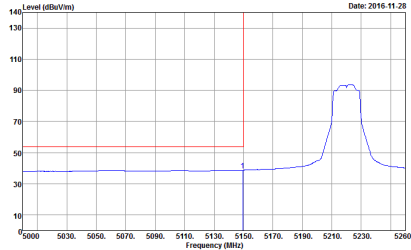


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	Left blank

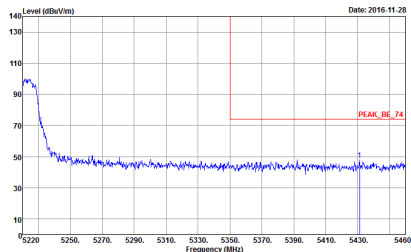
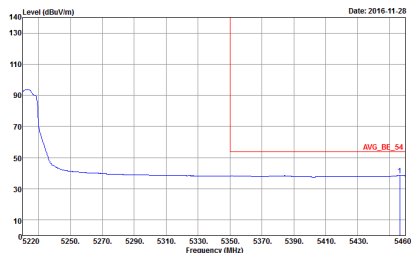


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	Left blank

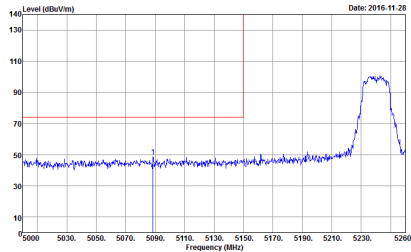
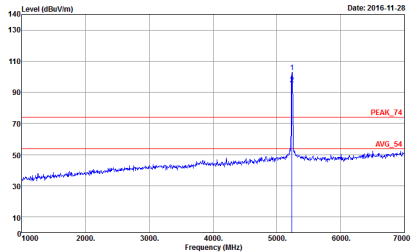
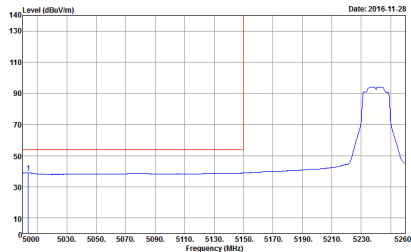


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	Left blank

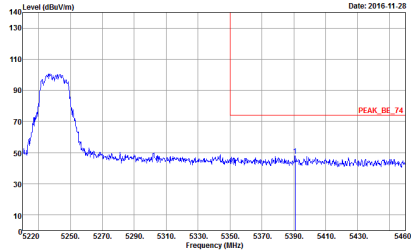
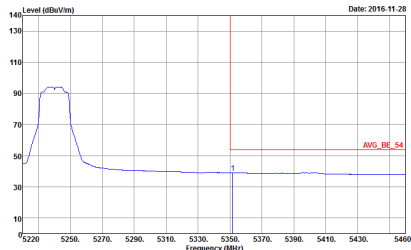


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	Left blank

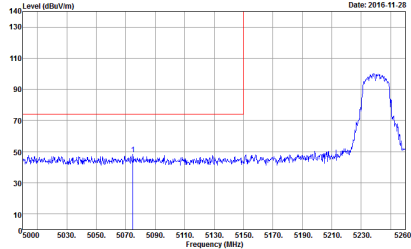
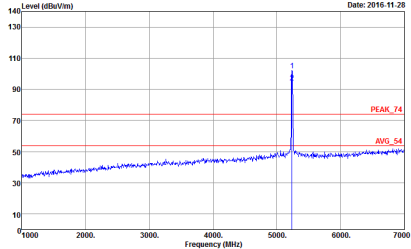
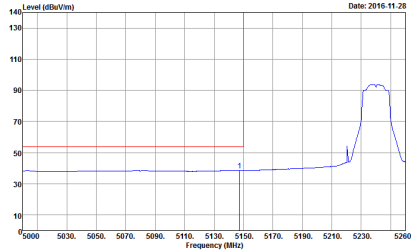


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_T4 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	 Site : 03CH10-HY Condition : PEAK_T4 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13
Avg.	 Site : 03CH10-HY Condition : AVG_BE_T4 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Left blank

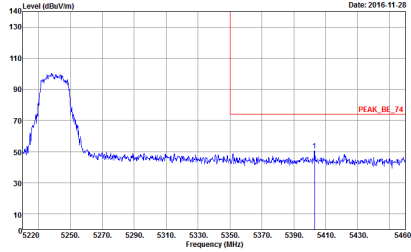
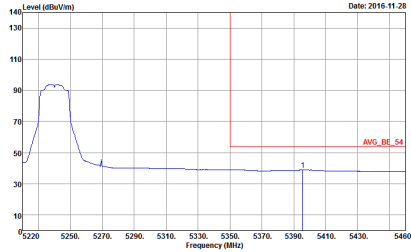


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Left blank

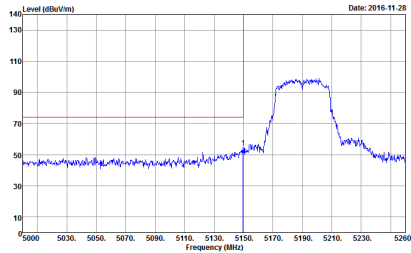
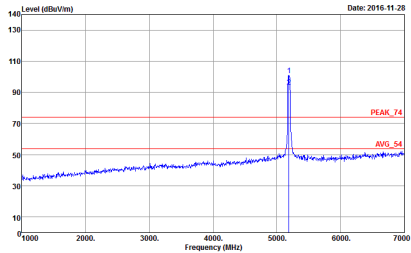
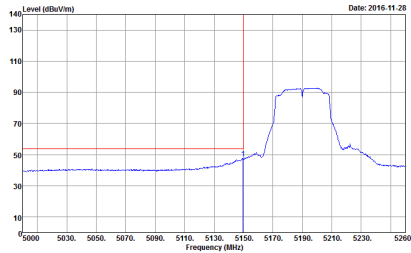


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Left blank

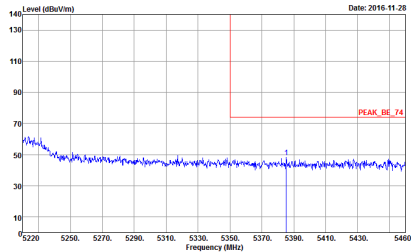
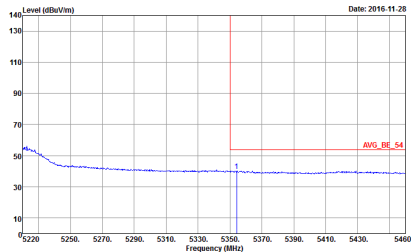


Band 1 5150~5250MHz

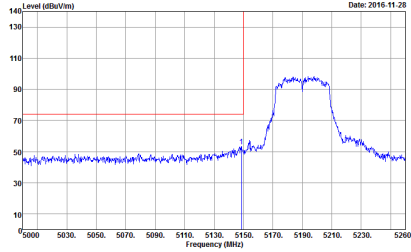
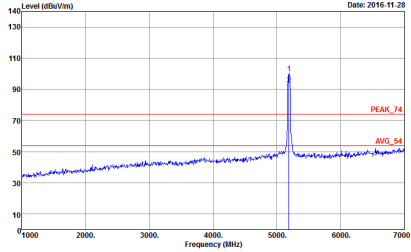
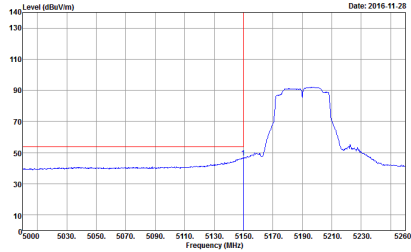
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	Left blank

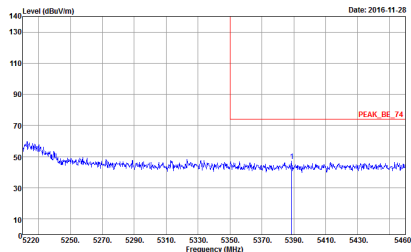
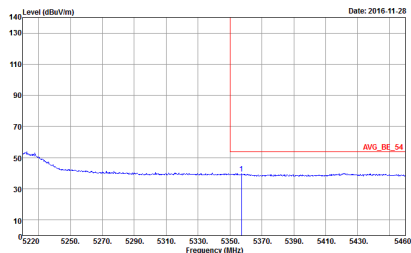


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	Left blank

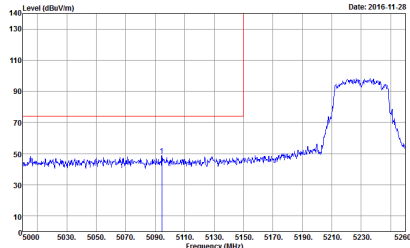
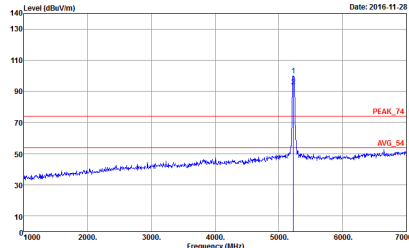
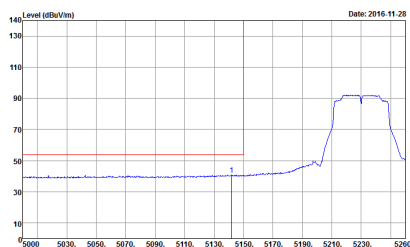


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	Left blank

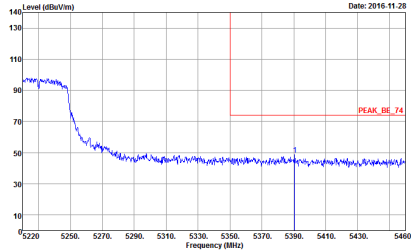
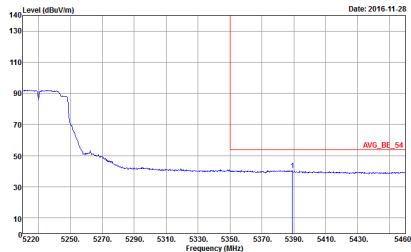


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z1	Left blank

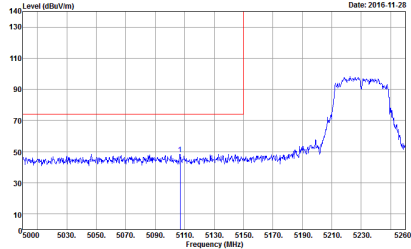
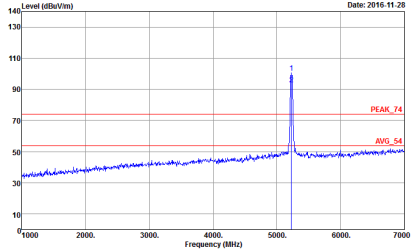
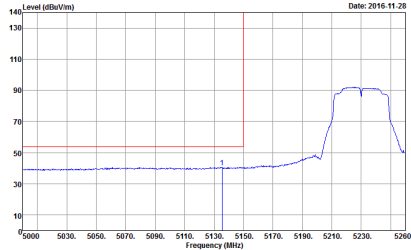


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	Left blank

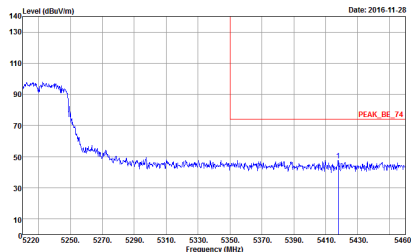
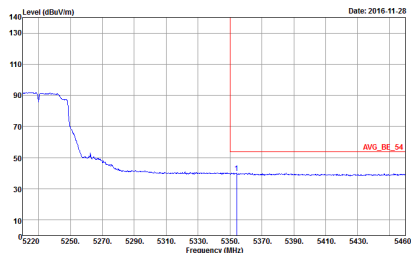


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	Left blank

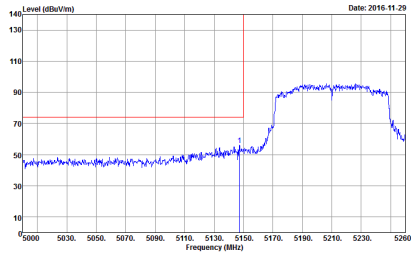
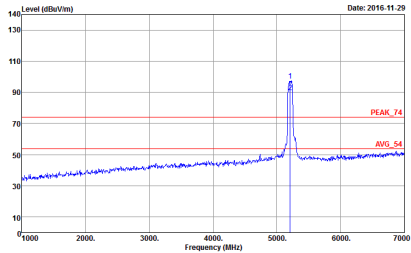
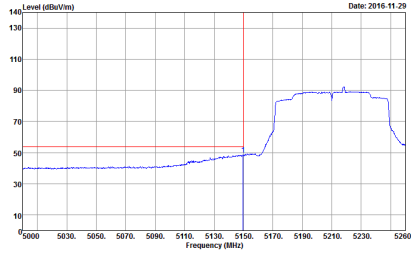


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	Left blank

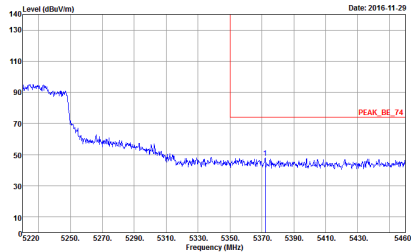
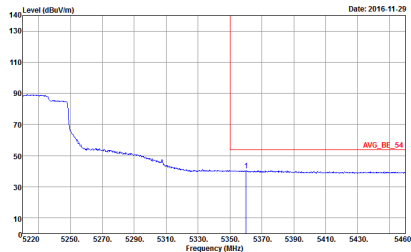


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 22	Left blank

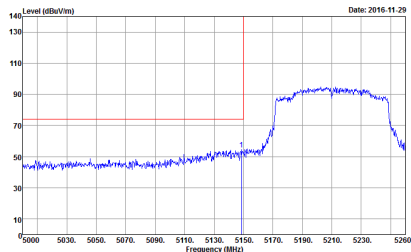
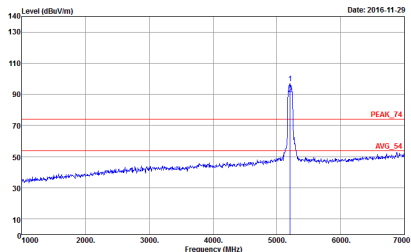
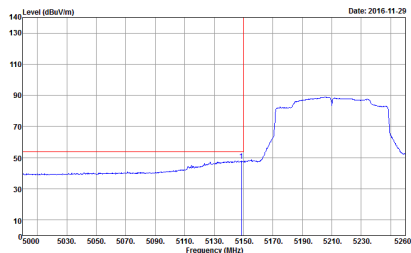
**Band 1 5150~5250MHz****WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	Left blank

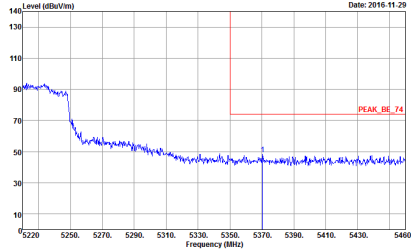
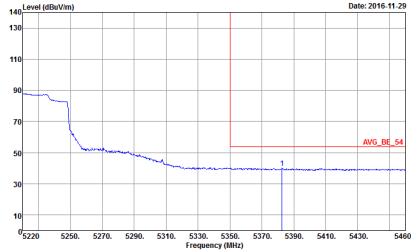


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	Left blank

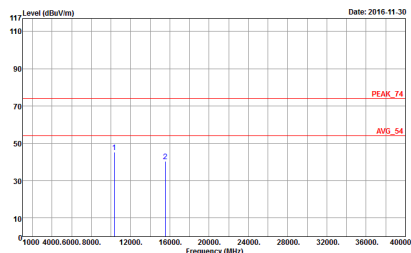
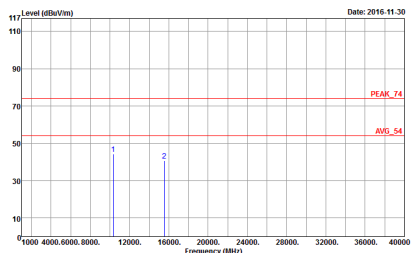


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 29	Left blank



Band 1 - 5150~5250MHz

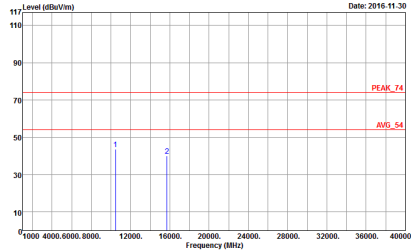
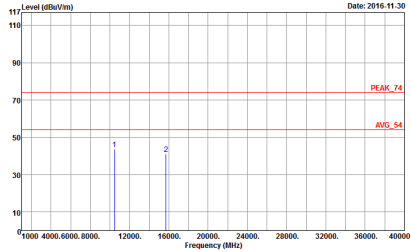
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 1	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 1



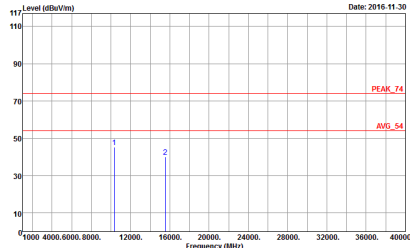
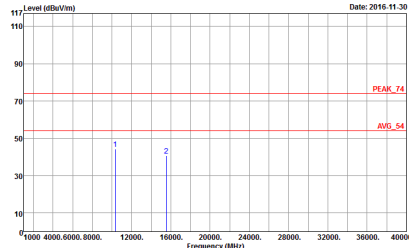
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 2	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 2



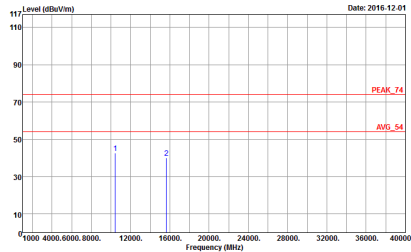
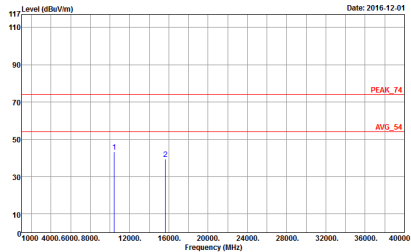
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 3



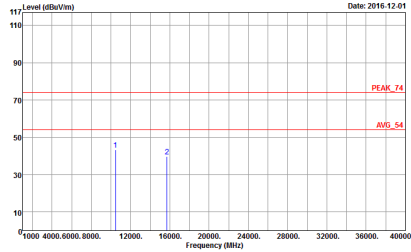
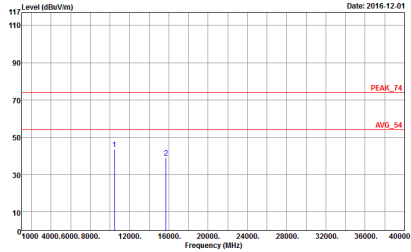
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : GND303-01 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : GND303-01 Mode : 11



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 12



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 13	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 13



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-12-01 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : GND303-01 Mode : 21	Level (dBuV/m) Date: 2016-12-01 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : GND303-01 Mode : 21



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : Z2	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : Z2



Band 1 5150~5250MHz

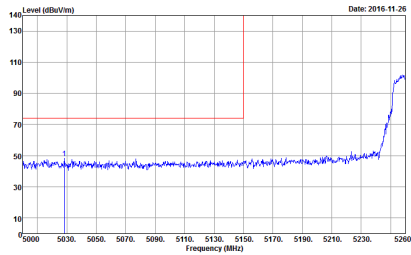
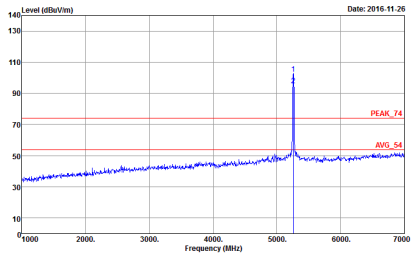
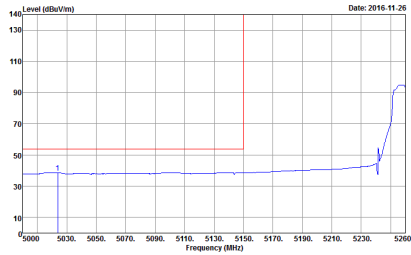
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-12-01 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : GND303-01 Mode : 29	Level (dBuV/m) Date: 2016-12-01 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : GND303-01 Mode : 29

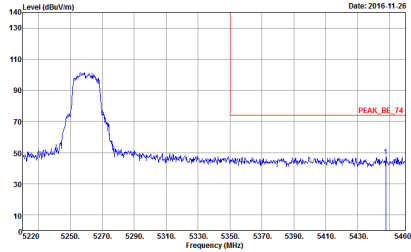
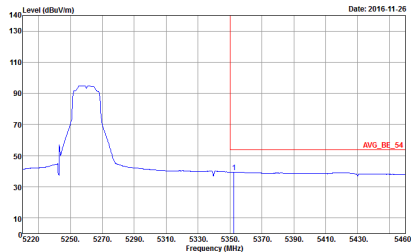


Band 2 - 5250~5350MHz

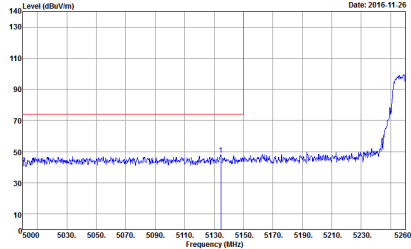
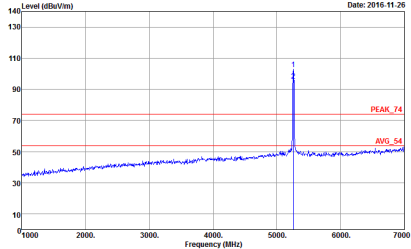
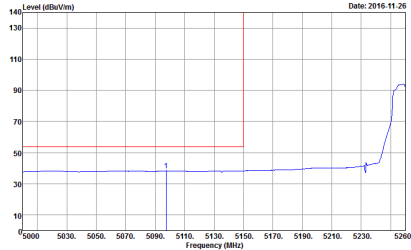
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	Left blank

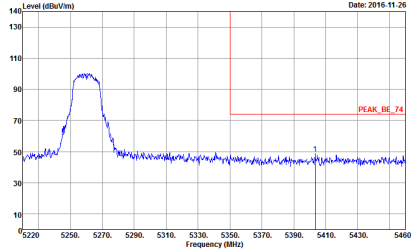
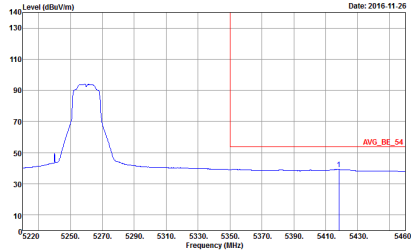


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	Left blank

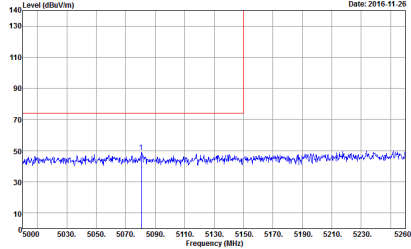
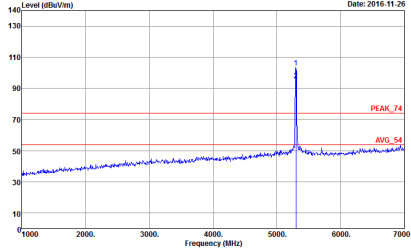
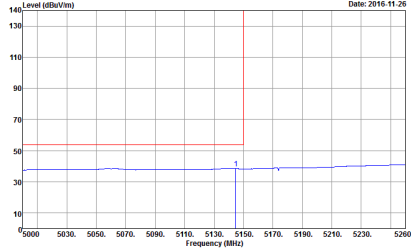


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	Left blank

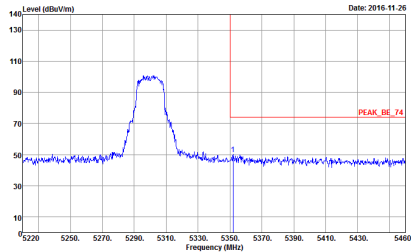
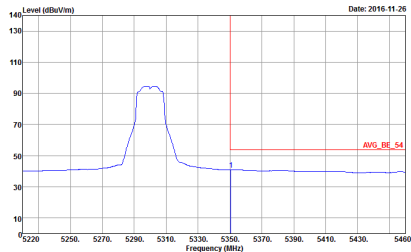


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 4	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	Left blank

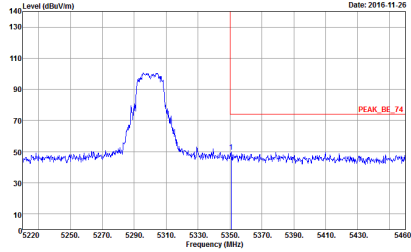
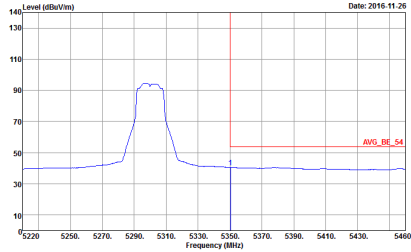


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	Left blank

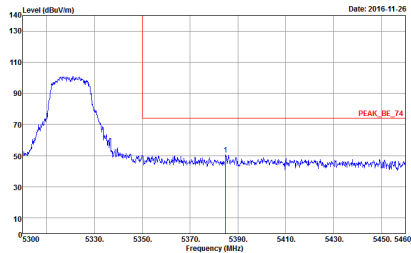
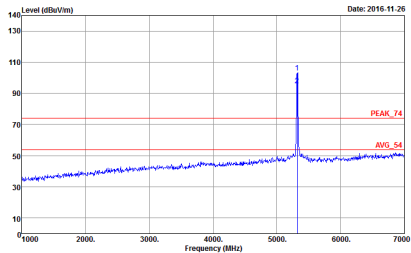
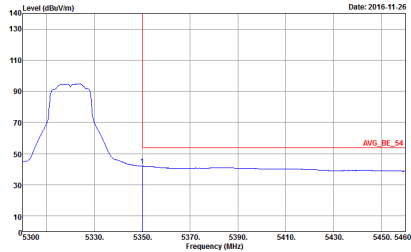


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Vertical	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	Left blank

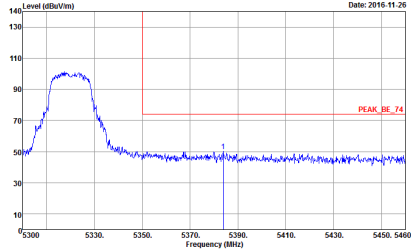
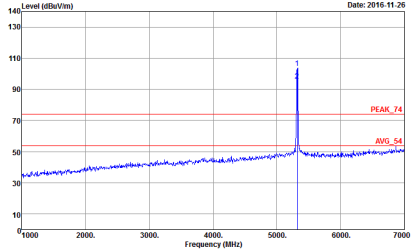
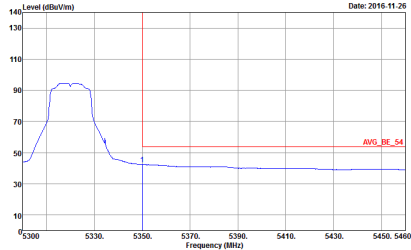


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 5	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 6
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 6	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 6
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 6	Left blank

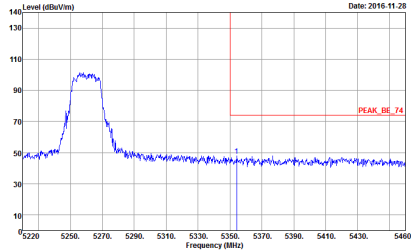
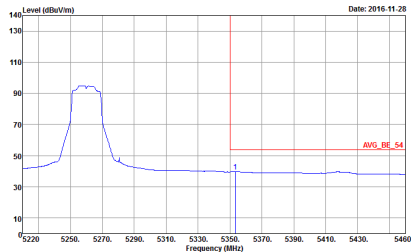


Band 2 5250~5350MHz

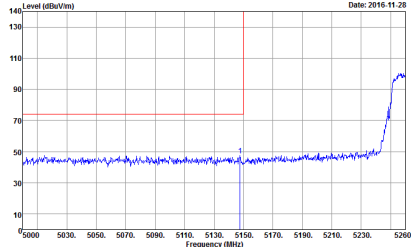
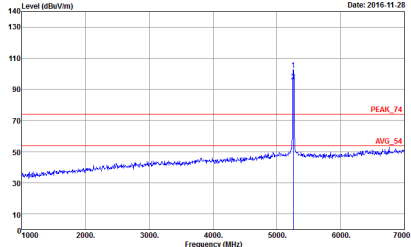
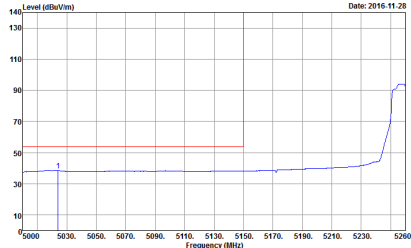
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
2	Horizontal	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 14	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 14
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 14	Left blank

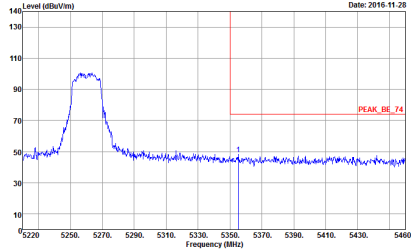
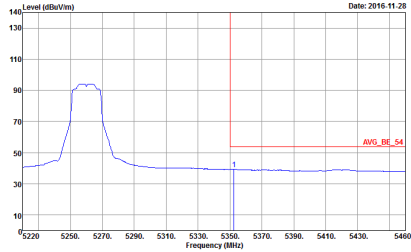


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left blank

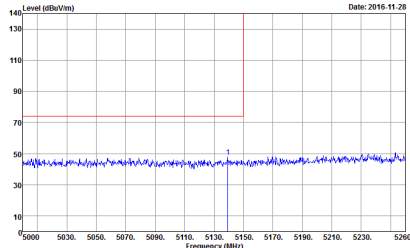
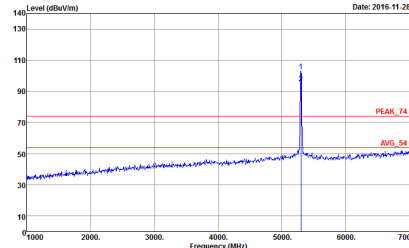
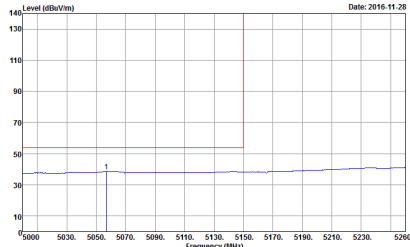


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left blank

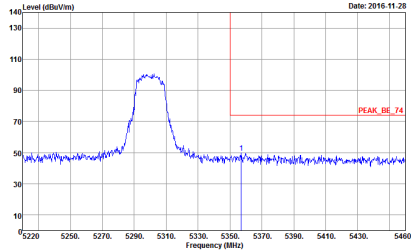
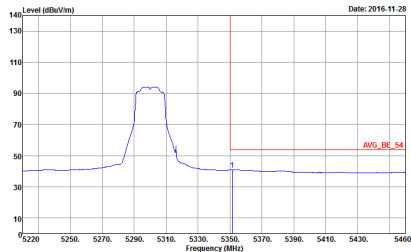


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left blank

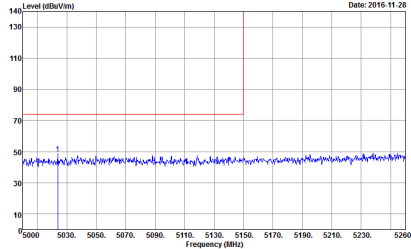
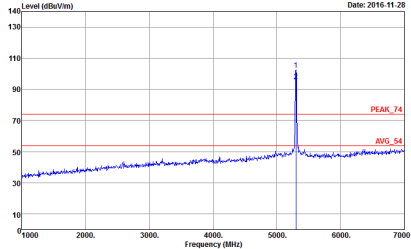
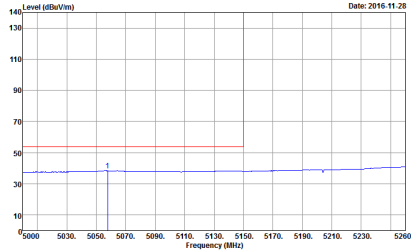


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	Left blank

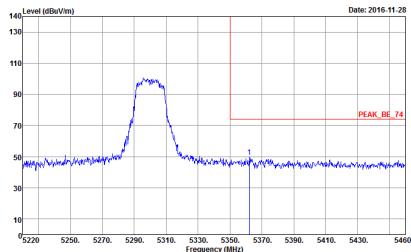
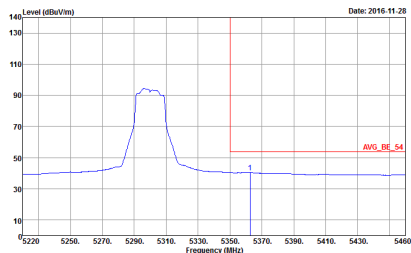


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	Left blank

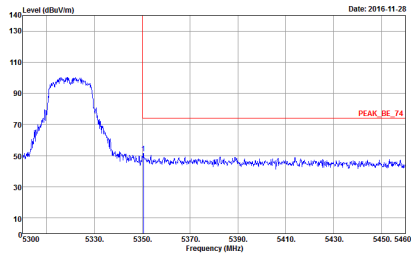
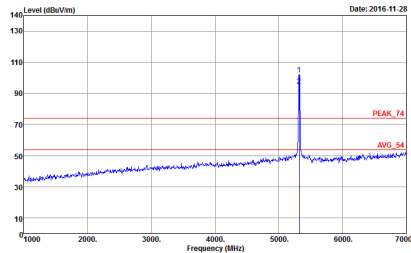
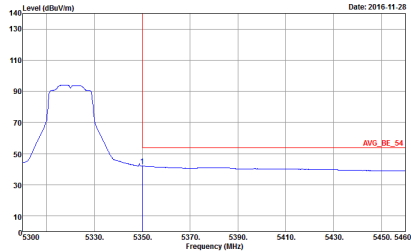


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	Left blank

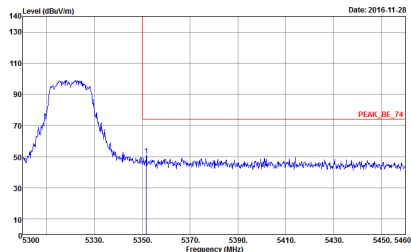
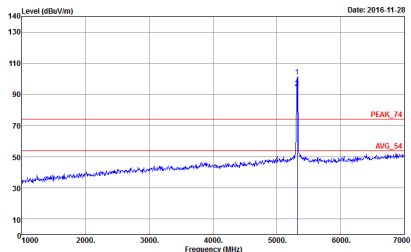
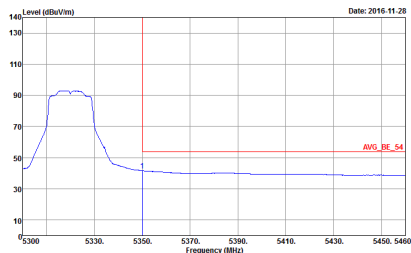


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 15	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	Left blank

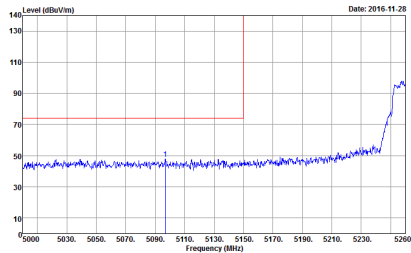
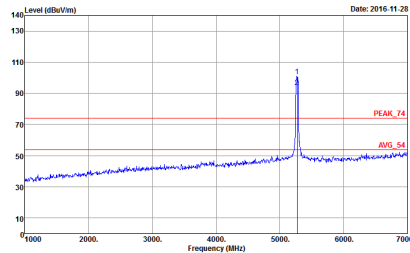
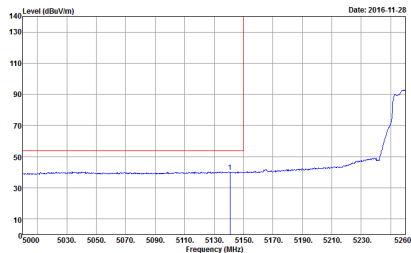


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	Left blank

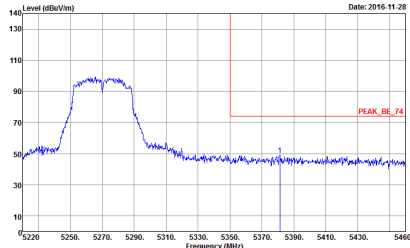
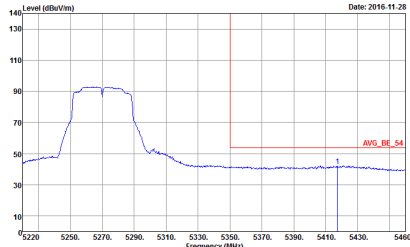


Band 2 5250~5350MHz

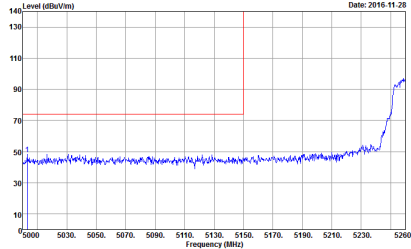
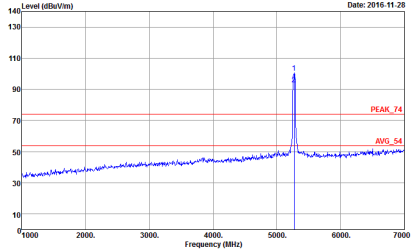
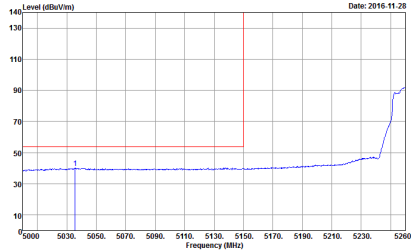
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 23	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 23
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 23	Left blank

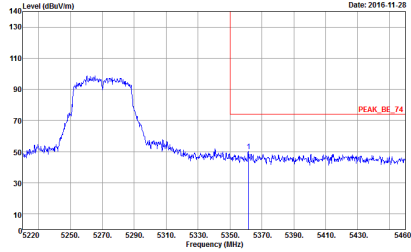
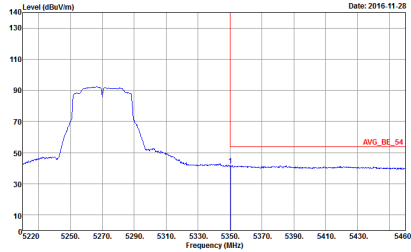


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z3	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z3	Left blank

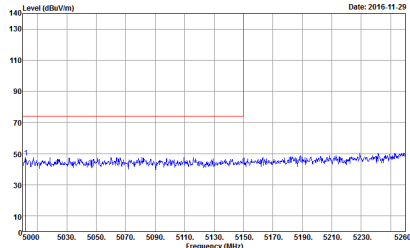
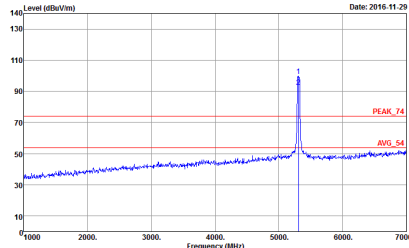
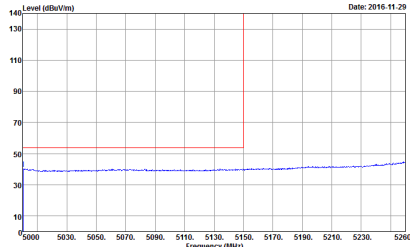


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
2	Vertical	Vertical
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z3	Left blank

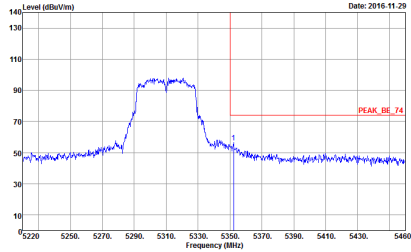
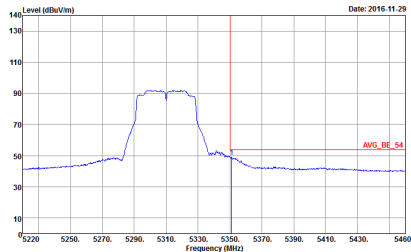


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
2	Vertical	Vertical
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 23	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 23	Left blank

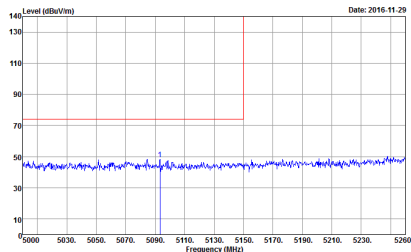
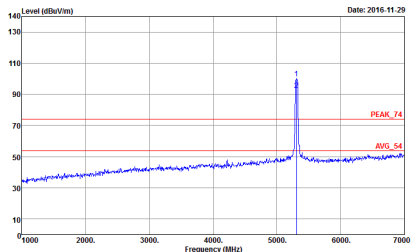
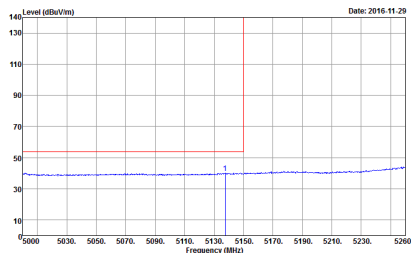


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	Left blank

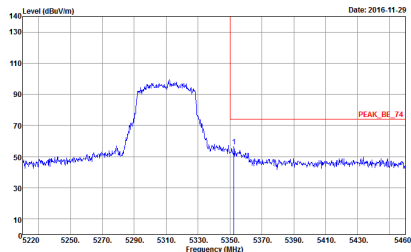
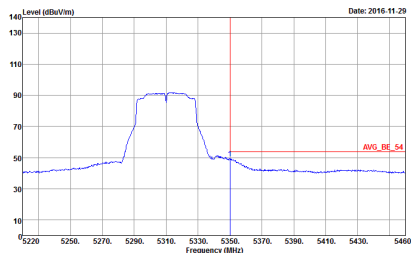


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	Left blank

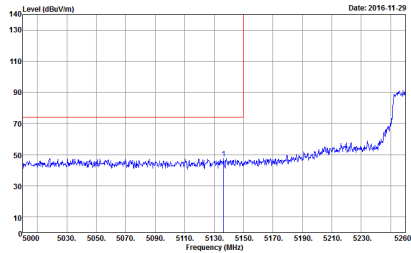
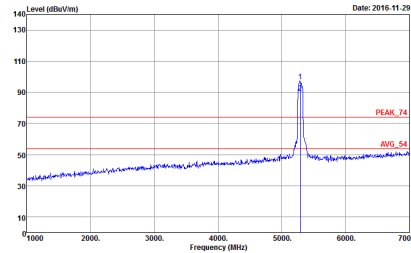
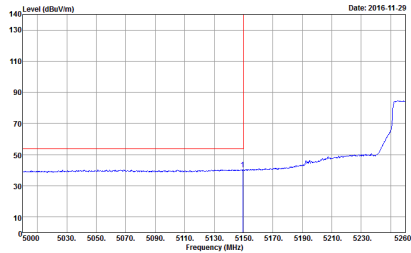


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	Left blank

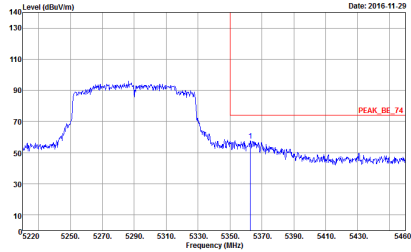
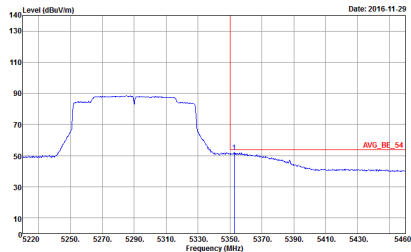


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 24	Left blank

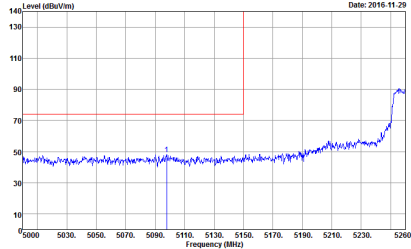
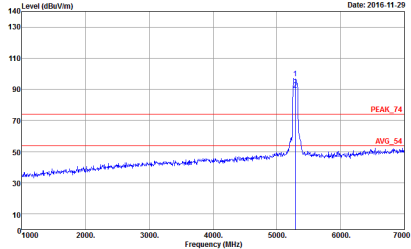
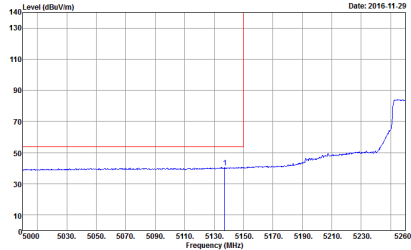
**Band 2 5250~5350MHz****WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	Left blank

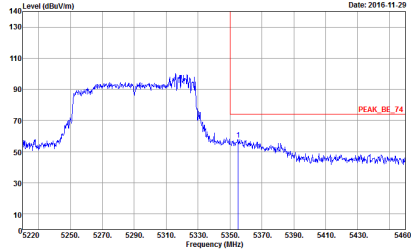
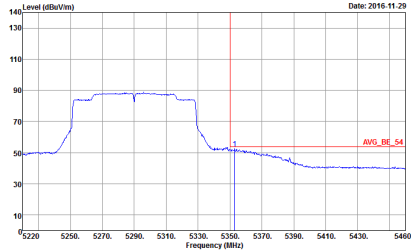


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	Left blank

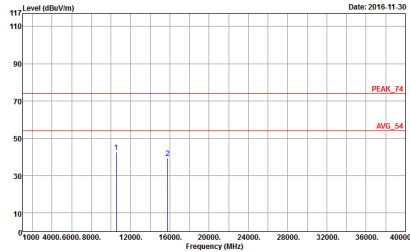
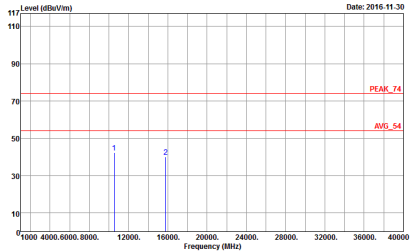


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	Left blank



Band 2 - 5250~5350MHz

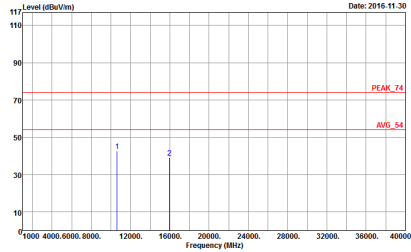
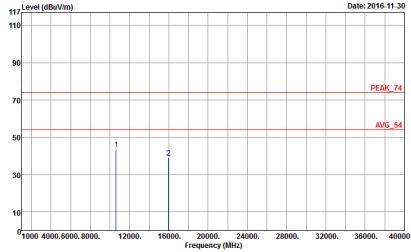
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 4	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 4



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-11-30 Frequency (MHz) Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 5	Level (dBuV/m) Date: 2016-11-30 Frequency (MHz) Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 5

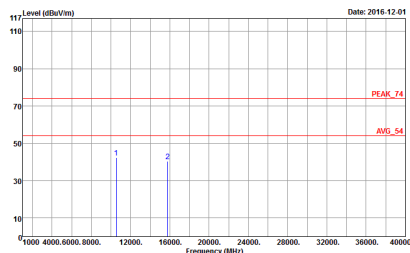
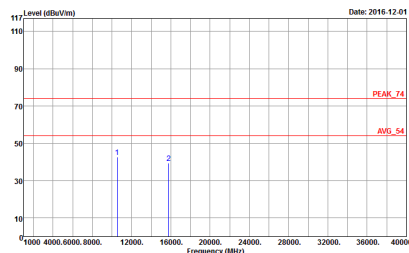


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 6

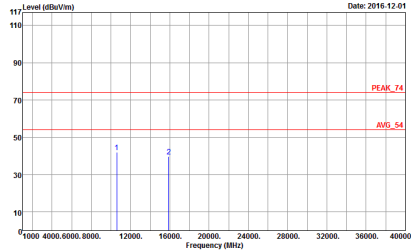
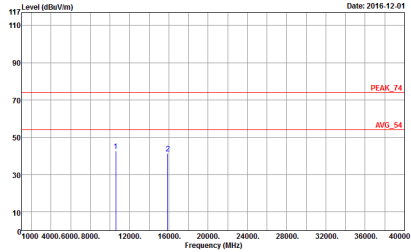


Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : GND303-01 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : GND303-01 Mode : 14



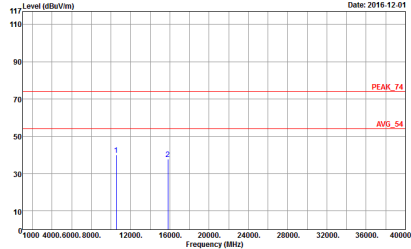
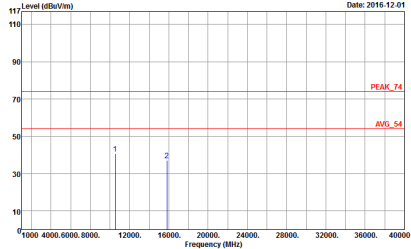
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 15



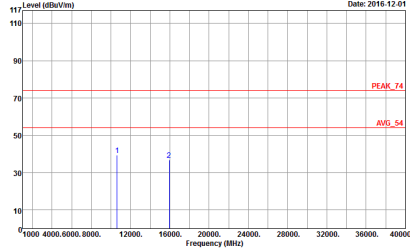
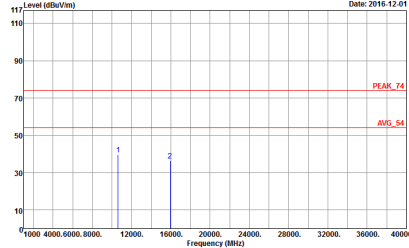
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-12-01 Frequency (MHz) Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 16	Level (dBuV/m) Date: 2016-12-01 Frequency (MHz) Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 16



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : GND303-01 Mode : 23	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : GND303-01 Mode : 23



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-12-01  Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : Z4	Level (dBuV/m) Date: 2016-12-01  Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : Z4



Band 2 5250~5350MHz

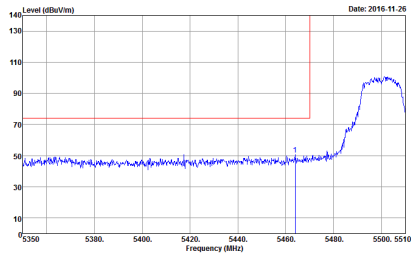
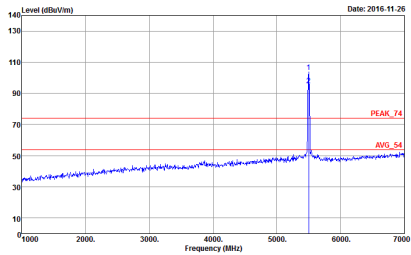
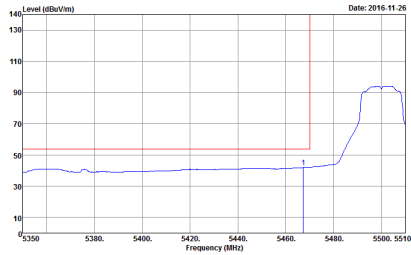
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-12-01 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6ND303-01 Mode : 30	Level (dBuV/m) Date: 2016-12-01 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6ND303-01 Mode : 30

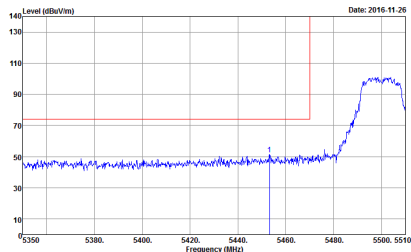
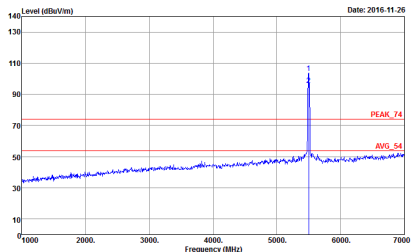
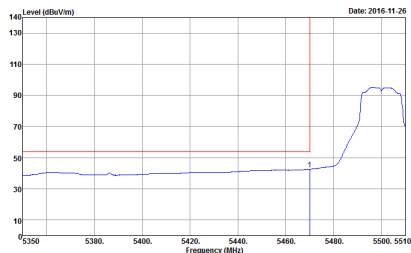


Band 3 - 5470~5725MHz

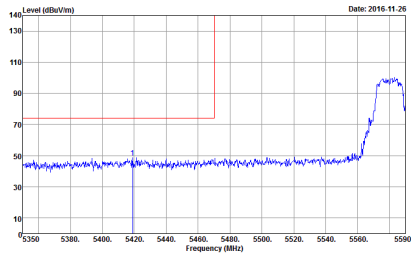
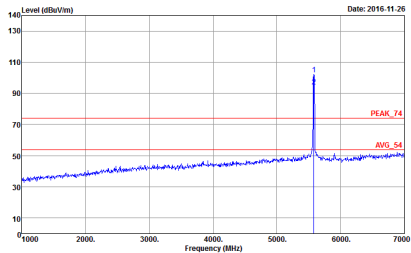
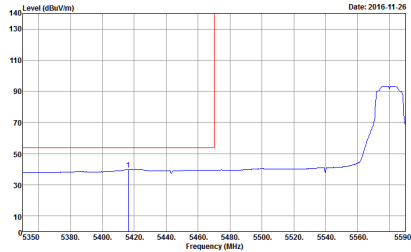
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7
Avg.	 Site : 03CH10-HY Condition : AV6_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7	Left blank

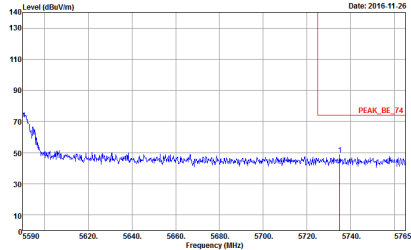
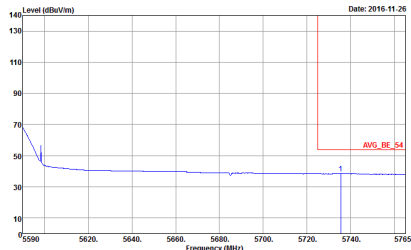


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7	Left blank

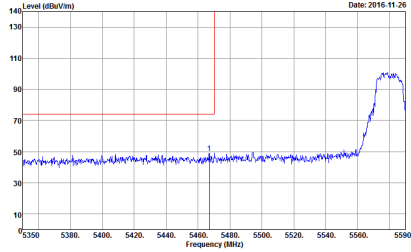
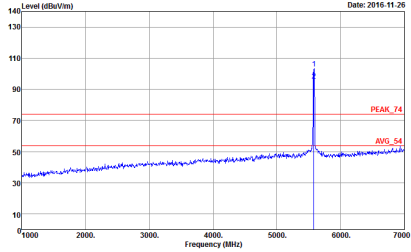
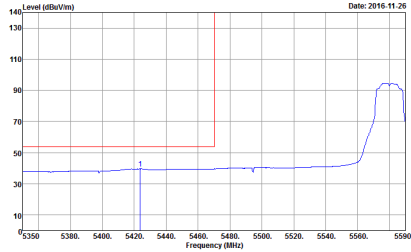


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank

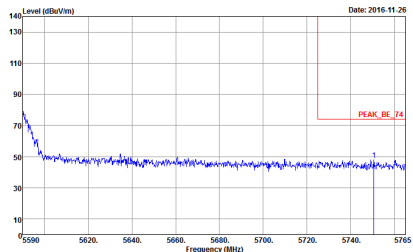
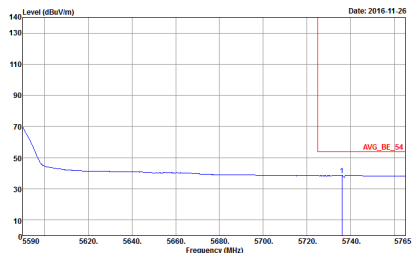


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank

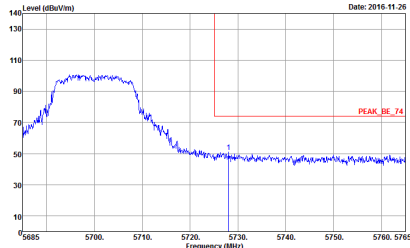
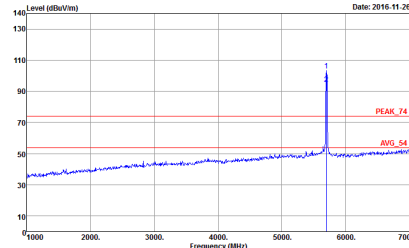
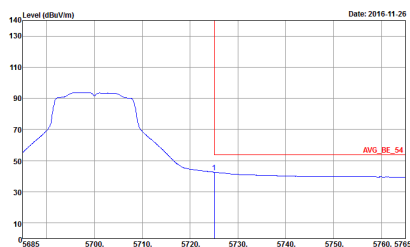


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_T4 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	 Site : 03CH10-HY Condition : PEAK_T4 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank

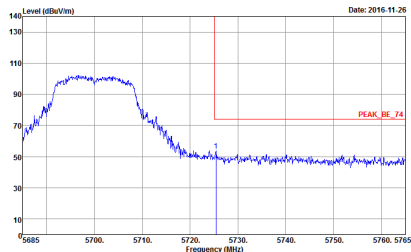
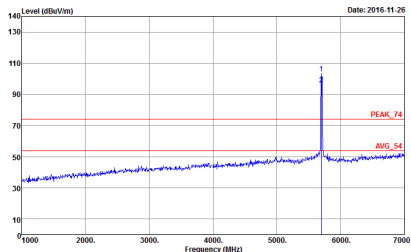
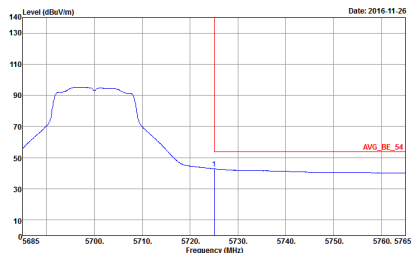


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	Left blank

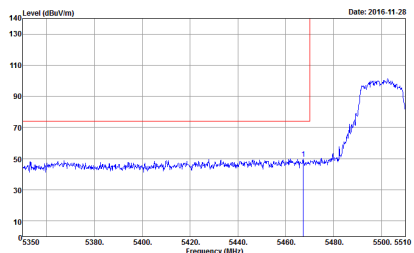
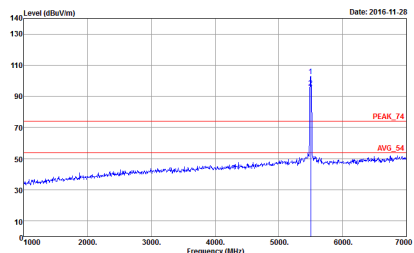
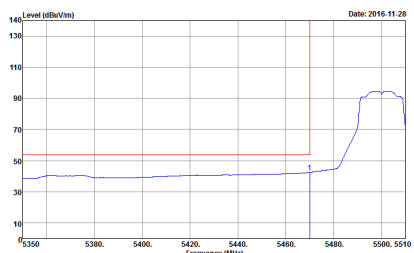


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	Left blank

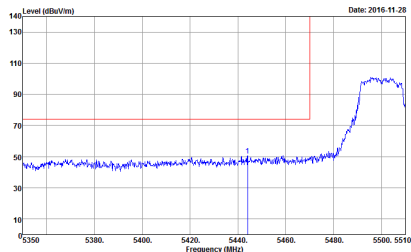
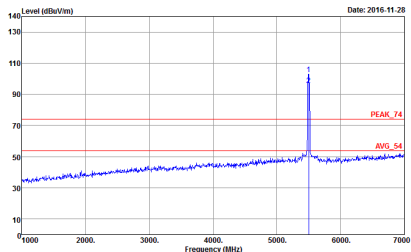
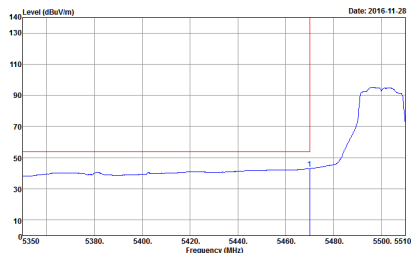


Band 3 5470~5725MHz

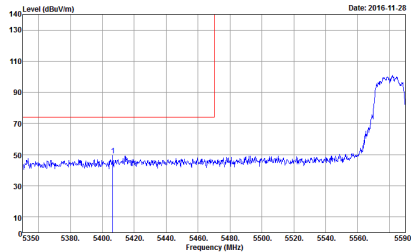
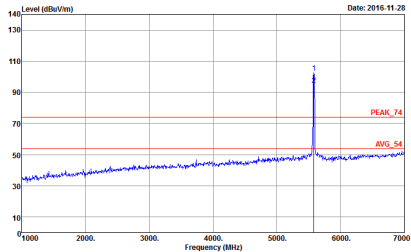
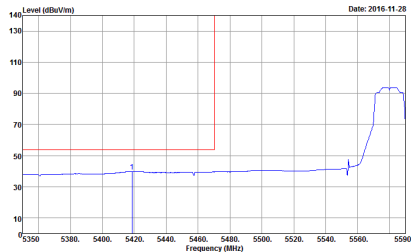
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 17	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 17
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 17	Left blank

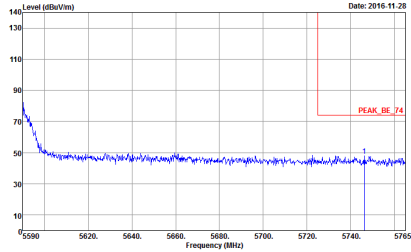
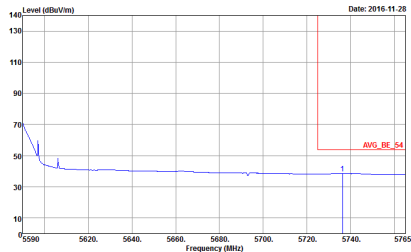


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	 Site : 03CH10-HY Condition : PEAK_F4 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	Left blank

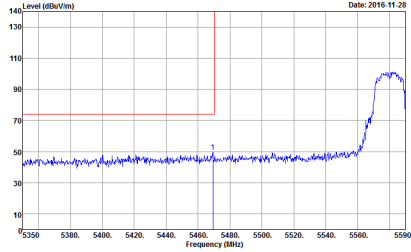
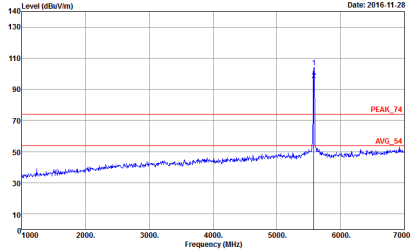
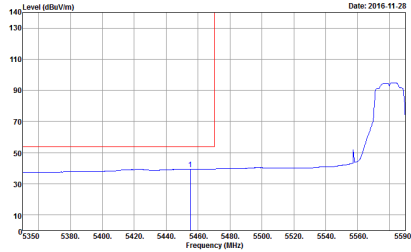


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_T4 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	 Site : 03CH10-HY Condition : PEAK_T4 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank

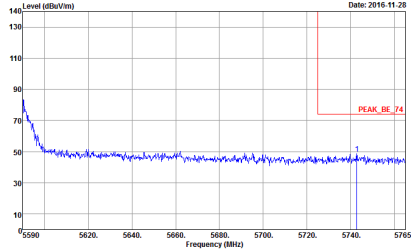
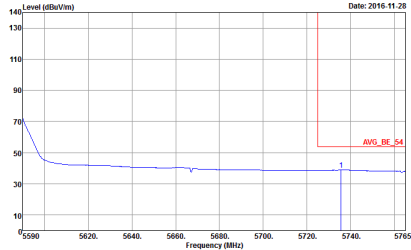


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank

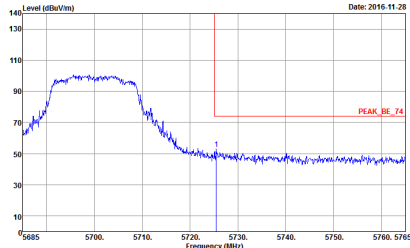
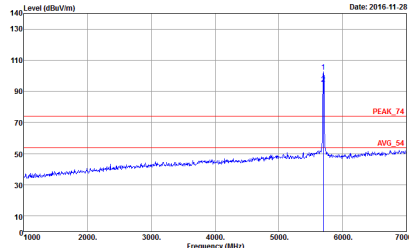
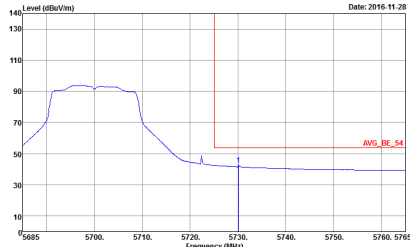


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank

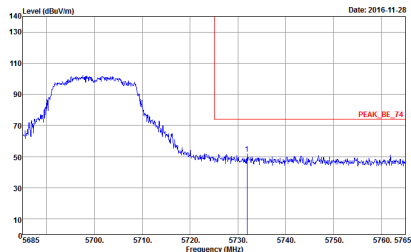
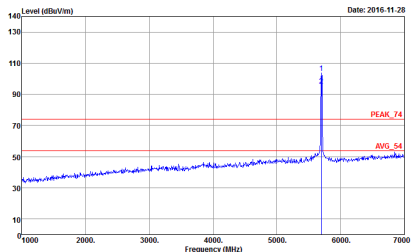
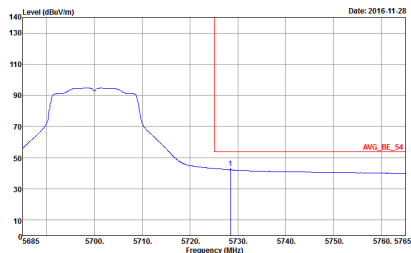


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 19	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 19
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 19	Left blank

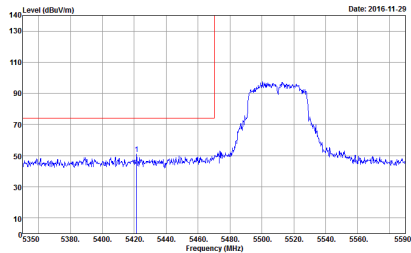
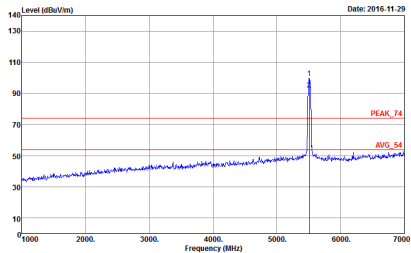
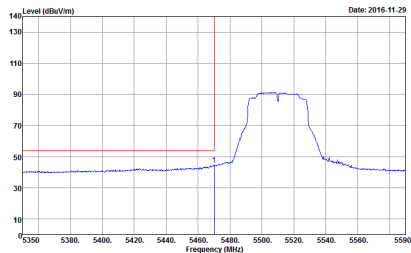


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Vertical	Fundamental
Peak.	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 19	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 19
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 19	Left blank



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	
2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 25	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 25
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 25	Left blank