FCC RF Test Report

APPLICANT	:	Acer Incorporated
EQUIPMENT	:	Smart HandHeld
BRAND NAME	:	Acer
MODEL NAME	:	S58, S58A
MARKETING NAME	:	Liquid Jade Primo, Liquid Jade 2
FCC ID	:	HLZEMS58
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Nov. 03, 2015 and testing was completed on Feb. 05, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

Testing Laboratory 1190

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR5N0311D	Rev. 01	Initial issue of report	Mar. 09, 2016

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	FCC ≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	FCC ≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 1.09 dB at 41.610 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 9.80 dB at 0.166 MHz
3.6	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Acer Incorporated
8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22181, Taiwan (R.O.C)

1.2 Manufacturer

Shanghai Sunrise Simcom Limited
No. 888, Shengli Rd., Qingpu, Shanghai, P.R.China 201700

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart HandHeld
Brand Name	Acer
Model Name	S58, S58A
Marketing Name	Liquid Jade Primo, Liquid Jade 2
FCC ID	HLZEMS58
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth v4.1 EDR/LE
EUT Stage	Identical Prototype

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 Channel Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **SISO <Ant. 1>** 802.11a : 9.01 dBm / 0.0080 W 802.11n HT20 : 7.33 dBm / 0.0054 W 802.11n HT40 : 6.54 dBm / 0.0045 W 802.11ac VHT20: 3.37 dBm / 0.0022 W 802.11ac VHT40: 1.56 dBm / 0.0014 W 802.11ac VHT80: 1.89 dBm / 0.0015 W **SISO <Ant. 2>** 802.11a : 9.26 dBm / 0.0084 W 802.11n HT20 : 6.93 dBm / 0.0049 W 802.11n HT40 : 6.65 dBm / 0.0046 W 802.11ac VHT20: 3.35 dBm / 0.0022 W 802.11ac VHT40: 1.28 dBm / 0.0013 W 802.11ac VHT80: 1.46 dBm / 0.0014 W **MIMO <Ant. 1 + 2>** 802.11a : 12.36 dBm / 0.0172 W 802.11n HT20 : 10.45 dBm / 0.0111 W 802.11n HT40 : 9.81 dBm / 0.0096 W 802.11ac VHT20: 6.45 dBm / 0.0044 W 802.11ac VHT40: 4.96 dBm / 0.0031 W 802.11ac VHT80: 4.89 dBm / 0.0031 W **<5260 MHz ~ 5320 MHz>** **SISO <Ant. 1>** 802.11a : 8.69 dBm / 0.0074 W 802.11n HT20 : 6.23 dBm / 0.0042 W 802.11n HT40 : 6.49 dBm / 0.0045 W 802.11ac VHT20: 2.78 dBm / 0.0019 W 802.11ac VHT40: 0.95 dBm / 0.0012 W 802.11ac VHT80: 0.81 dBm / 0.0012 W **SISO <Ant. 2>** 802.11a : 8.43 dBm / 0.0070 W 802.11n HT20 : 6.70 dBm / 0.0047 W 802.11n HT40 : 6.48 dBm / 0.0044 W 802.11ac VHT20: 2.77 dBm / 0.0019 W 802.11ac VHT40: 1.28 dBm / 0.0013 W 802.11ac VHT80: 0.95 dBm / 0.0012 W **MIMO <Ant. 1 + 2>** 802.11a : 11.60 dBm / 0.0145 W 802.11n HT20 : 9.65 dBm / 0.0092 W 802.11n HT40 : 9.49 dBm / 0.0089 W 802.11ac VHT20: 5.67 dBm / 0.0037 W 802.11ac VHT40: 4.20 dBm / 0.0026 W 802.11ac VHT80: 4.22 dBm / 0.0026 W

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>Maximum Output Power</td><td>5500 MHz ~ 5700 MHz
SISO <Ant. 1>
802.11a : 7.36 dBm / 0.0054 W
802.11n HT20 : 7.64 dBm / 0.0058 W
802.11n HT40 : 7.16 dBm / 0.0052 W
802.11ac VHT20: 3.86 dBm / 0.0024 W
802.11ac VHT40: 2.24 dBm / 0.0017 W
802.11ac VHT80: 1.85 dBm / 0.0015 W
SISO <Ant. 2>
802.11a : 7.56 dBm / 0.0057 W
802.11n HT20 : 7.75 dBm / 0.0060 W
802.11n HT40 : 7.30 dBm / 0.0054 W
802.11ac VHT20: 4.01 dBm / 0.0025 W
802.11ac VHT40: 2.26 dBm / 0.0017 W
802.11ac VHT80: 1.46 dBm / 0.0014 W
MIMO <Ant. 1 + 2>
802.11a : 10.65 dBm / 0.0116 W
802.11n HT20 : 10.69 dBm / 0.0117 W
802.11n HT40 : 10.48 dBm / 0.0112 W
802.11ac VHT20: 6.75 dBm / 0.0047 W
802.11ac VHT40: 5.34 dBm / 0.0034 W
802.11ac VHT80: 4.92 dBm / 0.0031 W</td></tr>
<tr><td>99% Occupied Bandwidth</td><td>802.11a : 17.00 MHz
802.11n HT20 : 18.05 MHz
802.11n HT40 : 36.20 MHz
802.11ac VHT20 : 17.95 MHz
802.11ac VHT40 : 36.40 MHz
802.11ac VHT80 : 75.48 MHz</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)</td></tr>
<tr><td>Antenna Type</td><td>Main Antenna : IFA Antenna
Aux. Antenna : IFA Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5150 MHz ~ 5250 MHz>
Main Antenna : -0.03 dBi
Aux. Antenna : 0.52 dBi
<5250 MHz ~ 5350 MHz>
Main Antenna : 0.52 dBi
Aux. Antenna : 0.06 dBi
<5470 MHz ~ 5725 MHz>
Main Antenna :1.70 dBi
Aux. Antenna : -0.81 dBi</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac SISO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

1.5 Modification of EUT

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

1.6 Testing Location

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH11-HY

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

1.7 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

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)
5470-5600 MHz and 5650-5725 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	144	5720	**142**	**5710**
	138	5690		

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

2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and data rate associated with the highest power were chosen for full test in the following tables. Final Output Power equals to Measured Output Power adds the duty factor.

SISO <Ant. 1>

5GHz 802.11a mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Average Power (dBm)	9.01	9.00	8.91	8.72	8.24	8.08	7.89	7.51

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	7.64	7.60	7.61	7.61	7.62	7.47	7.42	7.22

5GHz 802.11n HT40 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	7.16	7.04	7.07	6.70	6.74	6.51	6.31	6.34

5GHz 802.11ac VHT20 mode									
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8
Average Power (dBm)	3.86	3.26	3.79	3.40	3.34	3.35	3.31	3.44	3.38

5GHz 802.11ac VHT40 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	2.24	2.21	2.22	2.19	2.18	2.19	2.23	2.12	2.23	2.19

5GHz 802.11ac VHT80 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	1.89	1.87	1.77	1.88	1.84	-0.04	-0.11	-0.07	-0.09	0.04

SISO <Ant. Port 2>

5GHz 802.11a mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Average Power (dBm)	9.26	8.88	8.71	9.02	5.41	5.28	5.54	5.25

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	7.75	7.58	7.62	6.44	6.13	5.89	5.32	5.05

5GHz 802.11n HT40 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	7.30	7.26	7.25	7.29	7.29	7.28	7.28	7.18

5GHz 802.11ac VHT20 mode									
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8
Average Power (dBm)	4.01	3.97	3.98	3.86	3.78	3.83	3.76	3.71	3.71

5GHz 802.11ac VHT40 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	2.26	2.18	1.80	1.80	2.04	2.11	2.12	2.08	2.17	2.05

5GHz 802.11ac VHT80 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	1.46	1.45	1.39	1.36	1.41	1.13	1.33	1.11	1.19	1.18

MIMO <Ant. 1+2>

5GHz 802.11a mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Average Power (dBm)	12.36	11.94	11.84	11.99	11.55	11.67	11.68	12.34

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS 8	MCS 9	MCS 10	MCS 11	MCS 12	MCS 13	MCS 14	MCS 15
Average Power (dBm)	10.69	10.31	10.63	10.10	10.22	10.46	10.34	10.41

5GHz 802.11n HT40 mode								
Data Rate (MHz)	MCS 8	MCS 9	MCS 10	MCS 11	MCS 12	MCS 13	MCS 14	MCS 15
Average Power (dBm)	10.48	10.47	10.39	10.45	10.47	10.45	10.35	10.29

5GHz 802.11ac VHT20 mode									
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8
Average Power (dBm)	6.75	6.59	6.60	6.55	6.57	6.50	6.41	6.36	6.38

5GHz 802.11ac VHT40 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	5.34	5.33	5.27	5.18	5.33	5.25	5.09	4.99	5.05	4.93

5GHz 802.11ac VHT80 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Average Power (dBm)	4.92	4.82	4.63	4.31	4.51	4.26	4.45	3.99	3.96	4.00

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

2.3 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates from the power table described in section 2.2.

Single Antenna

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

MIMO Antenna

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS8
802.11n HT40	MCS8
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WCDMA Band V Idle + Bluetooth Idle + WLAN (5GHz) Link + Earphone + GPS Rx + USB Cable (Data Link with Notebook)

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

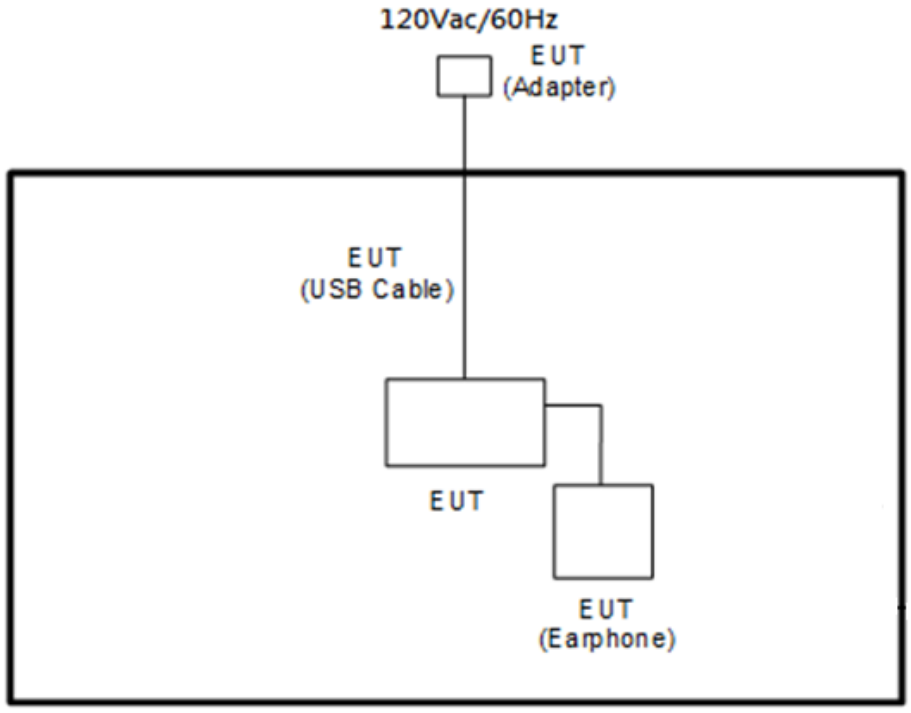
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

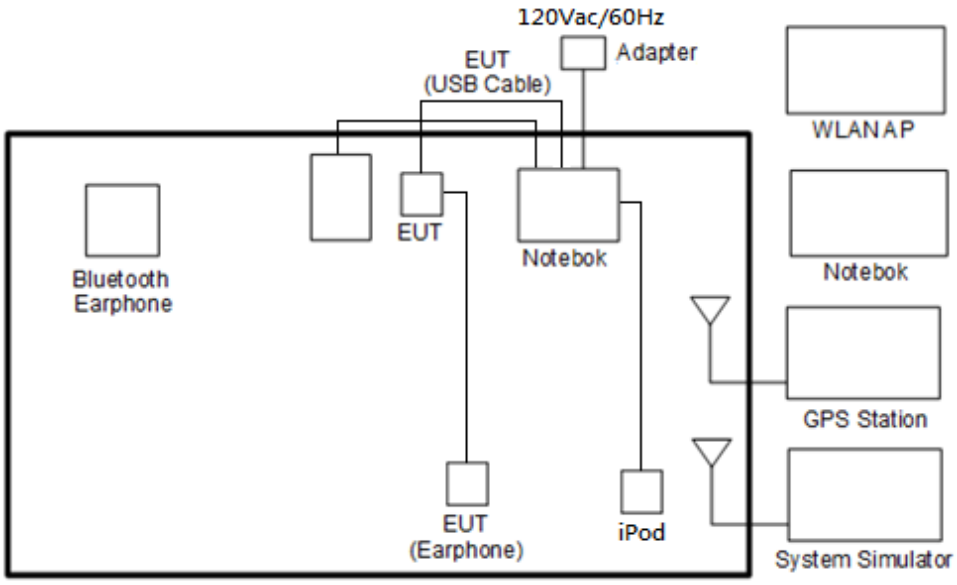
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-

2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.5 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	D-Link	DIR-865L	KA2IR865LA1	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
7.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
8.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.6 EUT Operation Test Setup

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

2.7 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

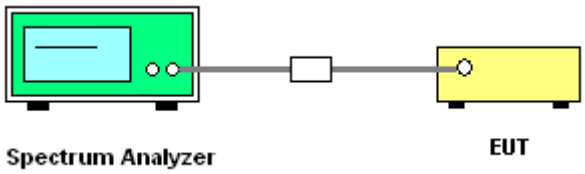
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

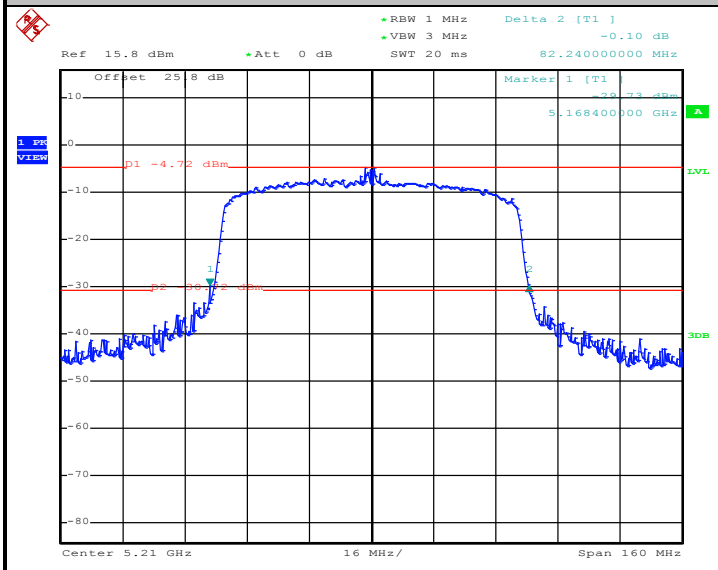
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



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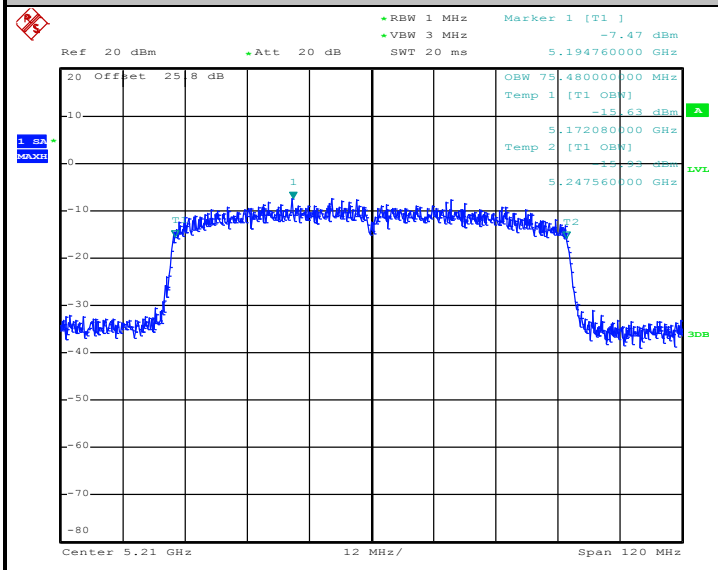
Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01.

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

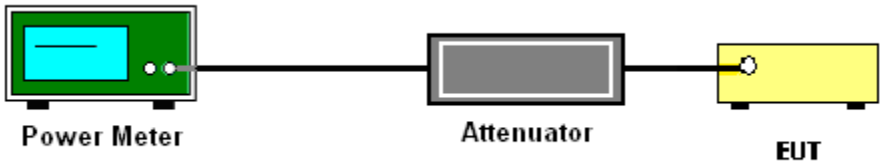
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is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

For straddle channel, the testing follows Method SA-3 (RMS detection with max hold) of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01.

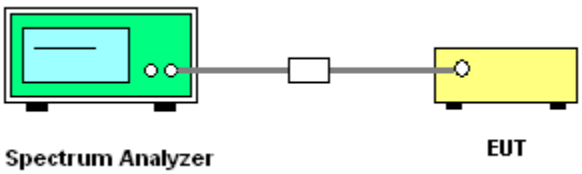
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

3.2.4 Test Setup

For normal channel:

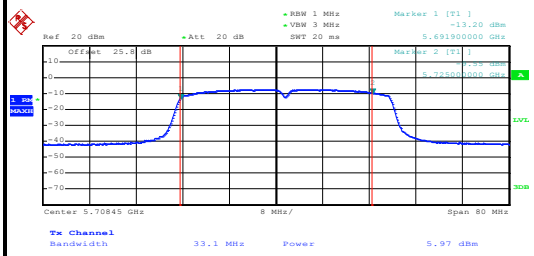
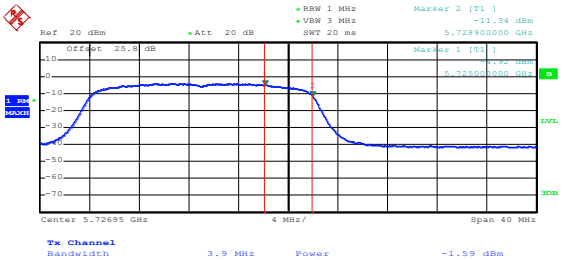
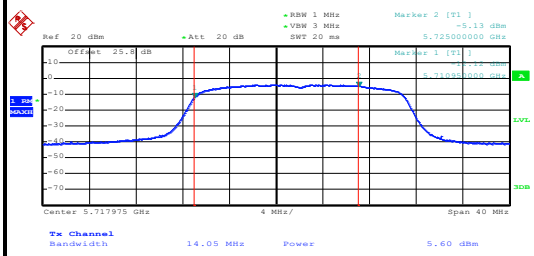
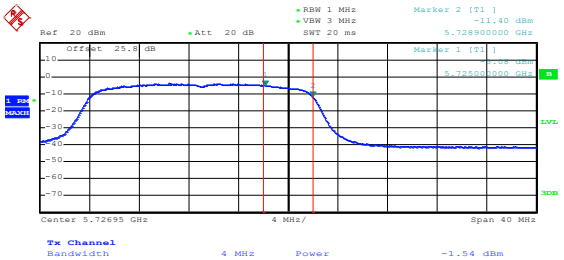


For straddle channel:



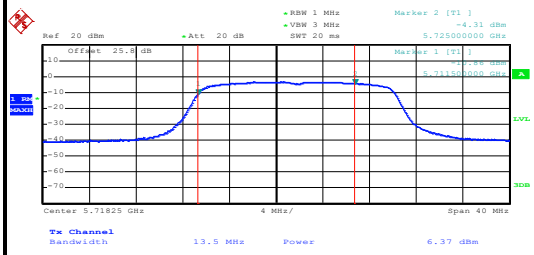
3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

Maximum Straddle Channel Power	
Ant. 1	
NII-2C Band	**DTS Band**
 Date: 14.DEC.2015 01:08:37	 Date: 13.DEC.2015 09:32:35
Ant. 2	
NII-2C Band	**DTS Band**
 Date: 13.DEC.2015 09:38:14	 Date: 13.DEC.2015 09:38:25

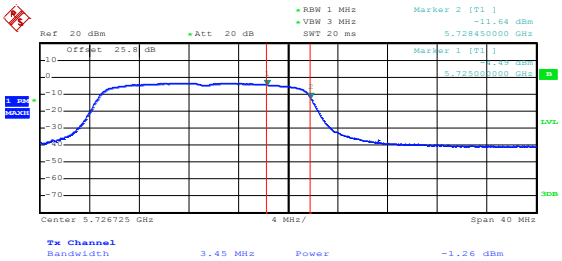
MIMO Ant. 1+2 (1)

NII-2C Band



Date: 13.DEC.2015 05:58:31

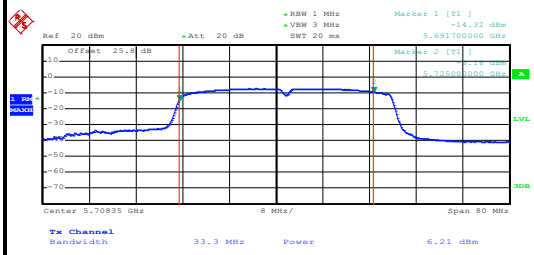
DTS Band



Date: 13.DEC.2015 05:59:29

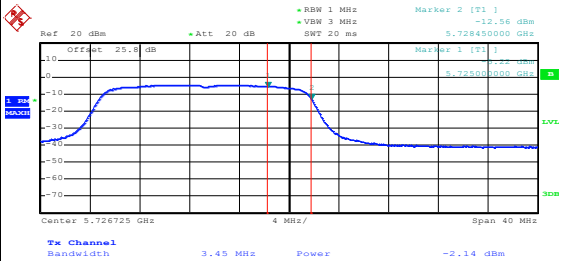
MIMO Ant. 1+2 (2)

NII-2C Band



Date: 14.DEC.2015 00:15:12

DTS Band



Date: 13.DEC.2015 06:01:18

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

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

For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01. Section F) Maximum power spectral density.

 # Method SA-2 #

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

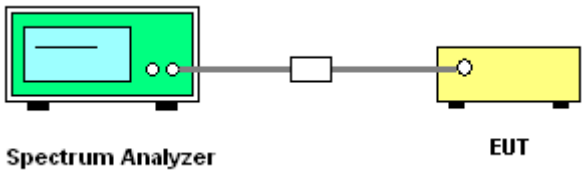
1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01.
   - Measure the duty cycle.
   - Set span to encompass the entire emission bandwidth (EBW) of the signal.
   - Set RBW = 1 MHz.
   - Set VBW ≥ 3 MHz.
   - Number of points in sweep ≥ 2 Span / RBW.
   - Sweep time = auto.
   - Detector = RMS
   - Trace average at least 100 traces in power averaging mode.
   - Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

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

   Method (1): Measure and sum the spectra across the outputs.

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

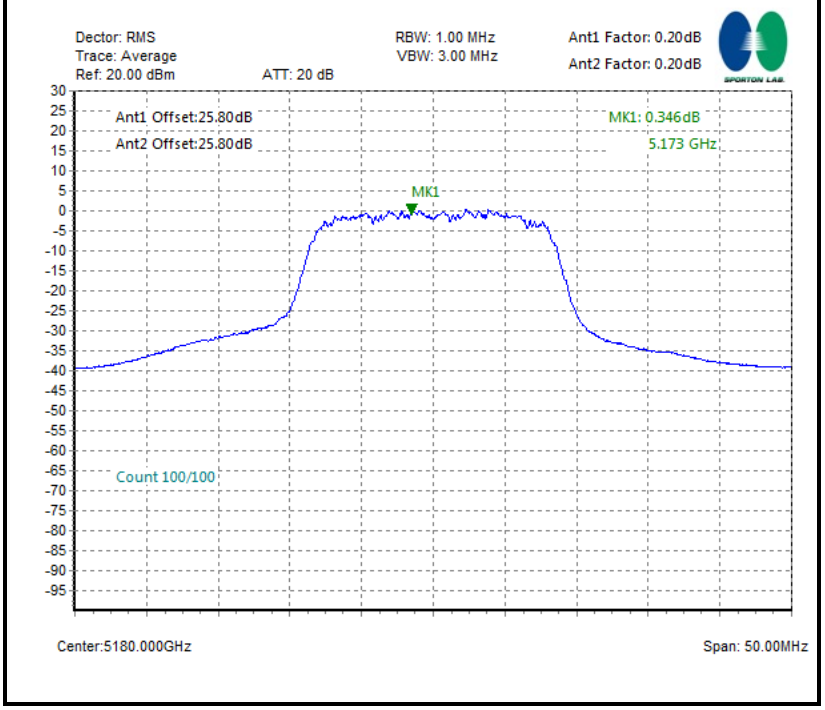
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

(3) KDB789033 D02 v01r01 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

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

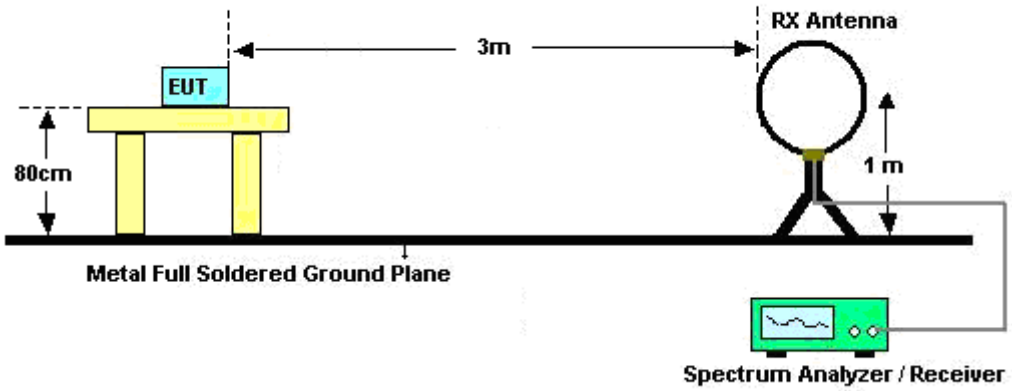
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11a	95.392	2070	0.48	1kHz
1	5GHz 802.11n HT20	95.074	1930	0.52	
1	5GHz 802.11n HT40	90.476	950	1.05	3kHz
2	802.11a	95.392	2070	0.48	1kHz
2	5GHz 802.11n HT20	95.074	1930	0.52	
2	5GHz 802.11n HT40	90.476	950	1.05	3kHz
1+2	5GHz 802.11a for Ant 1	95.392	2070	0.48	1kHz
1+2	5GHz 802.11a for Ant 2	95.392	2070	0.48	
1+2	5GHz 802.11n HT20 for Ant 1	90.741	980	1.02	3kHz
1+2	5GHz 802.11n HT20 for Ant 2	90.741	980	1.02	
1+2	5GHz 802.11n HT40 for Ant 1	83.838	498	2.01	
1+2	5GHz 802.11n HT40 for Ant 2	83.673	492	2.03	
1	5GHz 802.11ac VHT20	95.11	1945	0.51	1kHz
1	5GHz 802.11ac VHT40	90.566	960	1.04	3kHz
1	5GHz 802.11ac VHT80	81.915	462	2.16	
2	5GHz 802.11ac VHT20	95.098	1940	0.52	1kHz
2	5GHz 802.11ac VHT40	90.995	960	1.04	3kHz
2	5GHz 802.11ac VHT80	81.915	462	2.16	
1+2	5GHz 802.11ac VHT20 for Ant 1	95.332	1940	0.52	1kHz
1+2	5GHz 802.11ac VHT20 for Ant 2	95.098	1940	0.52	
1+2	5GHz 802.11ac VHT40 for Ant 1	90.476	950	1.05	3kHz
1+2	5GHz 802.11ac VHT40 for Ant 2	90.476	950	1.05	
1+2	5GHz 802.11ac VHT80 for Ant 1	82.979	468	2.14	
1+2	5GHz 802.11ac VHT80 for Ant 2	82.796	462	2.16	

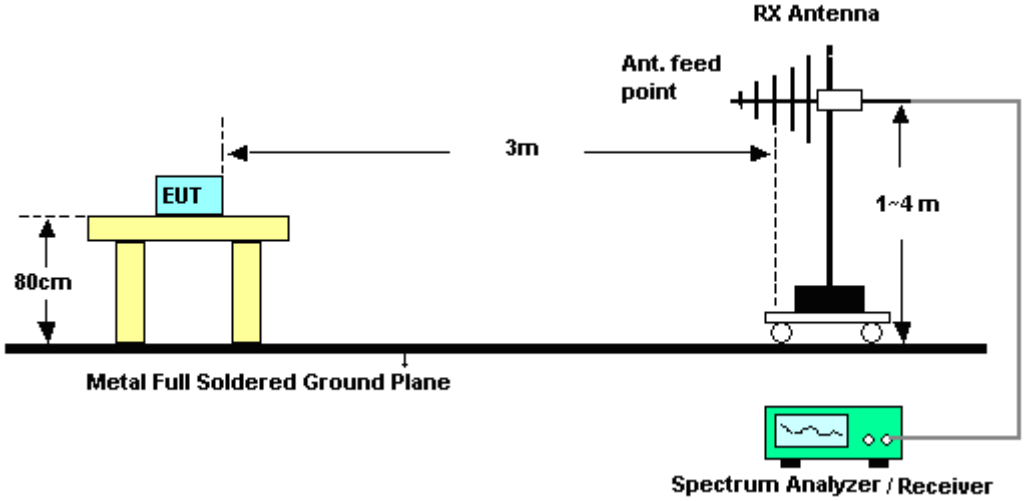
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

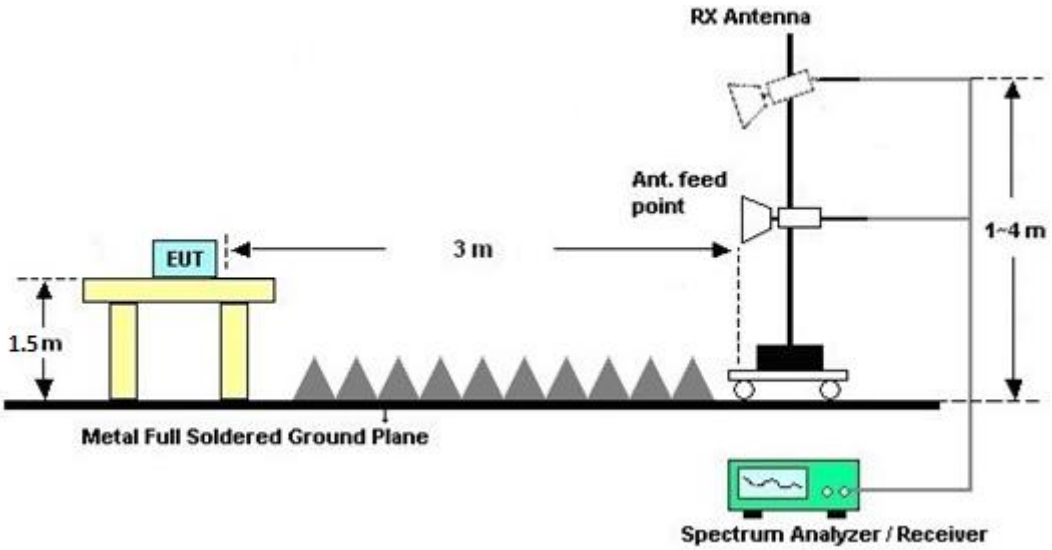
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix B.

3.4.7 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

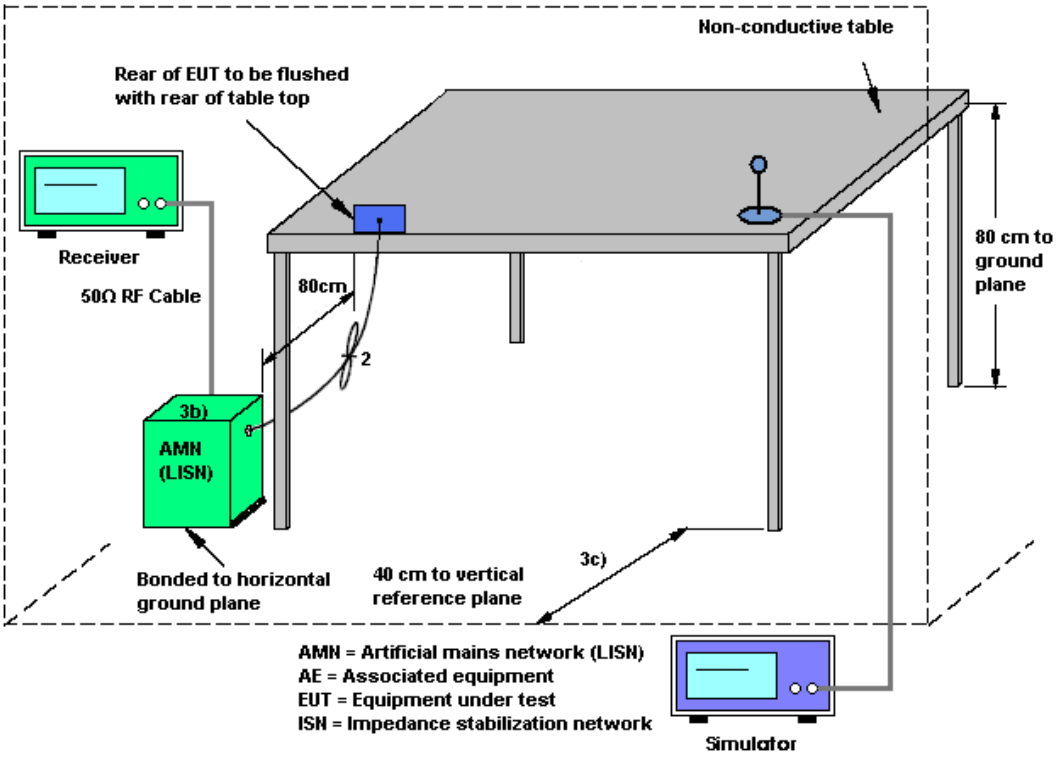
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

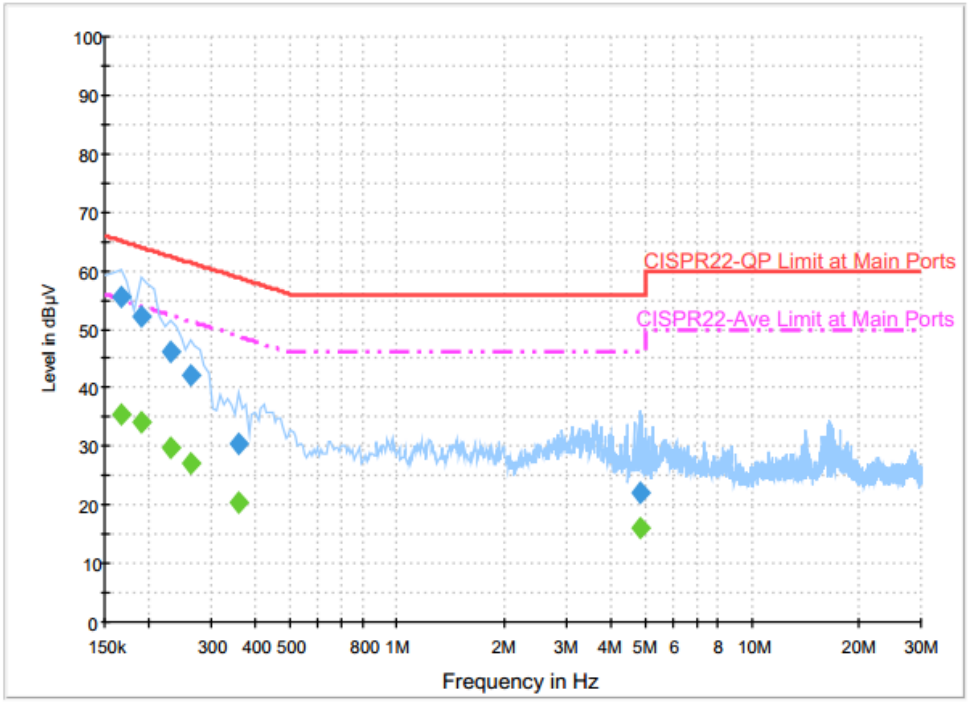
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	24~25℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	56~57%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WCDMA Band V Idle + Bluetooth Idle + WLAN (5GHz) Link + Earphone + GPS Rx + USB Cable (Data Link with Notebook)		



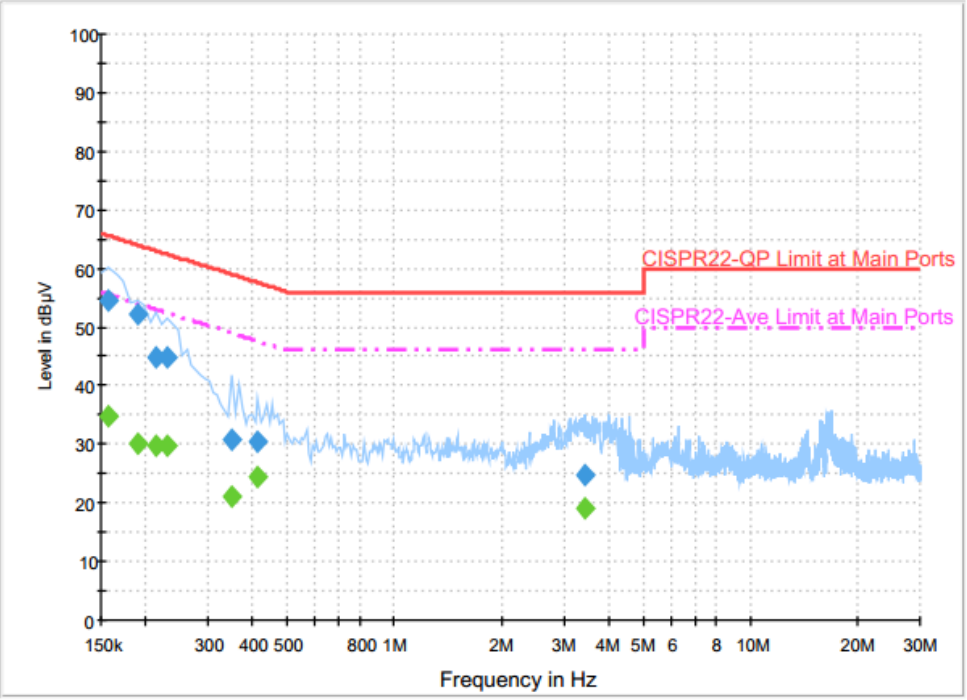
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	55.4	Off	L1	19.6	9.8	65.2
0.190000	52.2	Off	L1	19.6	11.8	64.0
0.230000	46.3	Off	L1	19.6	16.1	62.4
0.262000	42.1	Off	L1	19.6	19.3	61.4
0.358000	30.4	Off	L1	19.6	28.4	58.8
4.838000	22.0	Off	L1	19.7	34.0	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	35.6	Off	L1	19.6	19.6	55.2
0.190000	34.3	Off	L1	19.6	19.7	54.0
0.230000	29.9	Off	L1	19.6	22.5	52.4
0.262000	27.2	Off	L1	19.6	24.2	51.4
0.358000	20.5	Off	L1	19.6	28.3	48.8
4.838000	16.2	Off	L1	19.7	29.8	46.0

Test Mode :	Mode 1	Temperature :	24~25℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	56~57%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WCDMA Band V Idle + Bluetooth Idle + WLAN (5GHz) Link + Earphone + GPS Rx + USB Cable (Data Link with Notebook)		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	54.6	Off	N	19.6	11.0	65.6
0.190000	52.1	Off	N	19.6	11.9	64.0
0.214000	44.9	Off	N	19.6	18.1	63.0
0.230000	44.9	Off	N	19.6	17.5	62.4
0.350000	30.6	Off	N	19.6	28.4	59.0
0.414000	30.4	Off	N	19.6	27.2	57.6
3.454000	24.8	Off	N	19.6	31.2	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	34.9	Off	N	19.6	20.7	55.6
0.190000	30.2	Off	N	19.6	23.8	54.0
0.214000	29.8	Off	N	19.6	23.2	53.0
0.230000	29.7	Off	N	19.6	22.7	52.4
0.350000	21.1	Off	N	19.6	27.9	49.0
0.414000	24.3	Off	N	19.6	23.3	47.6
3.454000	19.1	Off	N	19.6	26.9	46.0

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup

3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 Limit of Automatically Discontinue Transmission

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

3.7.2 Measuring Instruments

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

3.7.3 Test Result of Automatically Discontinue Transmission

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

3.8 Antenna Requirements

3.8.1 Standard Applicable

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

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming.

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-0.03	0.52	3.26	3.26	0.00	0.00
Band II	0.52	0.06	3.30	3.30	0.00	0.00
Band III	1.70	-0.81	5.94	5.94	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1132003	300MHz~40GHz	Aug. 12, 2015	Nov. 12, 2015 ~ Feb. 02, 2016	Aug. 11, 2016	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Aug. 12, 2015	Nov. 12, 2015 ~ Feb. 02, 2016	Aug. 11, 2016	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Sep. 11, 2015	Nov. 12, 2015 ~ Feb. 02, 2016	Sep. 10, 2016	Conducted (TH05-HY)
Signal Generator	Agilent	E4438C	MY49070755	250kHz~6GHz	Oct. 01, 2015	Nov. 12, 2015 ~ Feb. 02, 2016	Sep. 30, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jun. 18, 2015	Nov. 12, 2015 ~ Feb. 02, 2016	Jun. 17, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	Jun. 15, 2015	Nov. 12, 2015 ~ Feb. 02, 2016	Jun. 14, 2016	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	GEO821763	N/A	Nov. 24, 2014	Nov. 12, 2015	Nov. 23, 2015	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	GEO821763	N/A	Nov. 13, 2015	Nov. 13, 2015 ~ Feb. 02, 2016	Nov. 12, 2016	Conducted (TH05-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 02, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Nov. 01, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Jun. 01, 2016	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 20, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Nov. 19, 2016	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Nov. 17, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Nov. 16, 2016	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 08, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Oct. 07, 2016	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 19, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Nov. 18, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1902247	1GHz~18GHz	Jul. 01, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Jun. 30, 2016	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHZ	Sep. 24, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Sep. 23, 2016	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 27, 2015 ~ Dec. 11, 2015	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0-360 degree	N/A	Nov. 27, 2015 ~ Dec. 11, 2015	N/A	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Nov. 27, 2015 ~ Dec. 11, 2015	Sep. 01, 2016	Radiation (03CH11-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 05, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 26, 2015	Feb. 05, 2016	Aug. 25, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Feb. 05, 2016	Dec. 01, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 14, 2015	Feb. 05, 2016	Dec. 13, 2016	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 08, 2016	Feb. 05, 2016	Jan. 07, 2017	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.70**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9**

Appendix A. Conducted Test Results

Report Number : FR5N0311D

Test Engineer:	AC Chang	Temperature:	21~25	°C
Test Date:	2015/11/12~2016/02/02	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.95	16.95	23.90	23.80	-		22.29			
11a	6Mbps	2	44	5220	16.90	16.95	25.30	24.10	-		22.28			
11a	6Mbps	2	48	5240	17.00	16.95	25.10	23.40	-		22.29			
HT20	MCS8	2	36	5180	17.95	17.95	27.30	25.20	-		22.54			
HT20	MCS8	2	44	5220	17.90	18.00	25.90	26.10	-		22.53			
HT20	MCS8	2	48	5240	17.90	18.00	26.20	26.10	-		22.53			
HT40	MCS8	2	38	5190	36.00	36.20	56.16	44.46	-		23.01			
HT40	MCS8	2	46	5230	36.10	36.10	56.34	46.80	-		23.01			
VHT20	MCS0	2	36	5180	17.95	17.95	25.90	25.80	-		22.54			
VHT20	MCS0	2	44	5220	17.90	17.95	26.80	26.00	-		22.53			
VHT20	MCS0	2	48	5240	17.90	17.85	25.40	24.60	-		22.52			
VHT40	MCS0	2	38	5190	35.90	36.40	52.20	50.58	-		23.01			
VHT40	MCS0	2	46	5230	36.20	36.40	46.98	50.40	-		23.01			
VHT80	MCS0	2	42	5210	75.24	75.48	82.24	81.60	-		23.01			

Report Number : FR5N0311D

TEST RESULTS DATA
Average Power Table

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.20	0.20	9.25	9.44	12.36	24.00		3.26			Pass
11a	6Mbps	2	44	5220	0.20	0.20	8.58	8.66	11.64	24.00		3.26			Pass
11a	6Mbps	2	48	5240	0.20	0.20	8.79	8.82	11.82	24.00		3.26			Pass
HT20	MCS8	2	36	5180	0.42	0.42	8.18	6.53	10.45	24.00		3.26			Pass
HT20	MCS8	2	44	5220	0.42	0.42	7.15	6.00	9.63	24.00		3.26			Pass
HT20	MCS8	2	48	5240	0.42	0.42	6.83	5.61	9.27	24.00		3.26			Pass
HT40	MCS8	2	38	5190	0.77	0.77	7.48	5.99	9.81	24.00		3.26			Pass
HT40	MCS8	2	46	5230	0.77	0.77	7.25	6.02	9.69	24.00		3.26			Pass
VHT20	MCS0	2	36	5180	0.21	0.22	4.12	2.63	6.45	24.00		3.26			Pass
VHT20	MCS0	2	44	5220	0.21	0.22	2.85	1.73	5.33	24.00		3.26			Pass
VHT20	MCS0	2	48	5240	0.21	0.22	2.97	1.80	5.43	24.00		3.26			Pass
VHT40	MCS0	2	38	5190	0.43	0.43	2.50	1.30	4.96	24.00		3.26			Pass
VHT40	MCS0	2	46	5230	0.43	0.43	2.54	1.20	4.94	24.00		3.26			Pass
VHT80	MCS0	2	42	5210	0.81	0.82	2.41	1.27	4.89	24.00		3.26			Pass

Report Number : FR5N0311D

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.20	0.20			0.35	11.00		3.26			Pass
11a	6Mbps	2	44	5220	0.20	0.20			-1.28	11.00		3.26			Pass
11a	6Mbps	2	48	5240	0.20	0.20			-0.20	11.00		3.26			Pass
HT20	MCS8	2	36	5180	0.42	0.42			-2.55	11.00		3.26			Pass
HT20	MCS8	2	44	5220	0.42	0.42			-2.99	11.00		3.26			Pass
HT20	MCS8	2	48	5240	0.42	0.42			-3.07	11.00		3.26			Pass
HT40	MCS8	2	38	5190	0.77	0.77			-6.42	11.00		3.26			Pass
HT40	MCS8	2	46	5230	0.77	0.77			-5.62	11.00		3.26			Pass
VHT20	MCS0	2	36	5180	0.21	0.22			-5.82	11.00		3.26			Pass
VHT20	MCS0	2	44	5220	0.21	0.22			-5.77	11.00		3.26			Pass
VHT20	MCS0	2	48	5240	0.21	0.22			-6.35	11.00		3.26			Pass
VHT40	MCS0	2	38	5190	0.43	0.43			-11.04	11.00		3.26			Pass
VHT40	MCS0	2	46	5230	0.43	0.43			-9.66	11.00		3.26			Pass
VHT80	MCS0	2	42	5210	0.81	0.82			-14.12	11.00		3.26			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.95	16.95	24.80	24.00	23.29		29.29		23.98		
11a	6Mbps	2	60	5300	17.00	16.95	25.50	23.50	23.29		29.29		23.98		
11a	6Mbps	2	64	5320	16.95	16.95	24.50	23.60	23.29		29.29		23.98		
HT20	MCS8	2	52	5260	17.90	17.95	25.20	23.90	23.53		29.53		23.98		
HT20	MCS8	2	60	5300	17.90	17.95	25.10	23.70	23.53		29.53		23.98		
HT20	MCS8	2	64	5320	17.90	18.05	25.30	25.50	23.53		29.53		23.98		
HT40	MCS8	2	54	5270	36.10	36.20	57.02	53.24	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	36.10	36.20	55.18	48.34	23.98		30.00		23.98		
VHT20	MCS0	2	52	5260	17.90	17.95	24.70	24.10	23.53		29.53		23.98		
VHT20	MCS0	2	60	5300	17.90	17.95	25.70	24.90	23.53		29.53		23.98		
VHT20	MCS0	2	64	5320	17.90	17.90	25.50	27.60	23.53		29.53		23.98		
VHT40	MCS0	2	54	5270	36.20	36.40	50.76	46.44	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.20	36.40	51.44	50.90	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.24	75.48	81.92	81.28	23.98		30.00		23.98		

Report Number : FR5N0311D

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.20	0.20	8.29	8.87	11.60	23.98		3.30			Pass
11a	6Mbps	2	60	5300	0.20	0.20	8.01	7.47	10.76	23.98		3.30			Pass
11a	6Mbps	2	64	5320	0.20	0.20	7.53	7.19	10.38	23.98		3.30			Pass
HT20	MCS8	2	52	5260	0.42	0.42	6.39	5.35	8.91	23.98		3.30			Pass
HT20	MCS8	2	60	5300	0.42	0.42	6.84	6.17	9.53	23.98		3.30			Pass
HT20	MCS8	2	64	5320	0.42	0.42	7.03	6.21	9.65	23.98		3.30			Pass
HT40	MCS8	2	54	5270	0.77	0.77	7.08	5.79	9.49	23.98		3.30			Pass
HT40	MCS8	2	62	5310	0.77	0.77	6.80	5.96	9.41	23.98		3.30			Pass
VHT20	MCS0	2	52	5260	0.21	0.22	3.10	2.03	5.61	23.98		3.30			Pass
VHT20	MCS0	2	60	5300	0.21	0.22	3.01	2.21	5.64	23.98		3.30			Pass
VHT20	MCS0	2	64	5320	0.21	0.22	2.97	2.34	5.67	23.98		3.30			Pass
VHT40	MCS0	2	54	5270	0.43	0.43	1.77	0.50	4.20	23.98		3.30			Pass
VHT40	MCS0	2	62	5310	0.43	0.43	1.75	0.29	4.10	23.98		3.30			Pass
VHT80	MCS0	2	58	5290	0.81	0.82	1.83	0.48	4.22	23.98		3.30			Pass

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TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.20	0.20			-0.04	11.00		3.30			Pass
11a	6Mbps	2	60	5300	0.20	0.20			-1.60	11.00		3.30			Pass
11a	6Mbps	2	64	5320	0.20	0.20			-1.79	11.00		3.30			Pass
HT20	MCS8	2	52	5260	0.42	0.42			-3.40	11.00		3.30			Pass
HT20	MCS8	2	60	5300	0.42	0.42			-3.17	11.00		3.30			Pass
HT20	MCS8	2	64	5320	0.42	0.42			-3.02	11.00		3.30			Pass
HT40	MCS8	2	54	5270	0.77	0.77			-6.57	11.00		3.30			Pass
HT40	MCS8	2	62	5310	0.77	0.77			-5.94	11.00		3.30			Pass
VHT20	MCS0	2	52	5260	0.21	0.22			-5.91	11.00		3.30			Pass
VHT20	MCS0	2	60	5300	0.21	0.22			-6.17	11.00		3.30			Pass
VHT20	MCS0	2	64	5320	0.21	0.22			-5.73	11.00		3.30			Pass
VHT40	MCS0	2	54	5270	0.43	0.43			-10.57	11.00		3.30			Pass
VHT40	MCS0	2	62	5310	0.43	0.43			-10.36	11.00		3.30			Pass
VHT80	MCS0	2	58	5290	0.81	0.82			-13.60	11.00		3.30			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	16.90	16.95	25.10	24.30	23.28		29.28		23.98		
11a	6Mbps	2	116	5580	16.90	16.95	24.00	22.50	23.28		29.28		23.98		
11a	6Mbps	2	140	5700	16.90	17.00	25.30	25.20	23.28		29.28		23.98		
HT20	MCS8	2	100	5500	17.90	17.90	25.00	27.50	23.53		29.53		23.98		
HT20	MCS8	2	116	5580	17.90	17.85	24.20	24.30	23.52		29.52		23.98		
HT20	MCS8	2	140	5700	17.90	17.95	25.90	26.80	23.53		29.53		23.98		
HT40	MCS8	2	102	5510	36.10	36.20	48.42	48.42	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	36.20	36.20	51.26	46.40	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	36.10	36.20	53.10	47.88	23.98		30.00		23.98		
VHT20	MCS0	2	100	5500	17.85	17.90	24.00	24.70	23.52		29.52		23.98		
VHT20	MCS0	2	116	5580	17.95	17.90	25.60	24.70	23.53		29.53		23.98		
VHT20	MCS0	2	140	5700	17.90	17.95	25.00	24.60	23.53		29.53		23.98		
VHT40	MCS0	2	102	5510	36.20	36.30	47.70	50.40	23.98		30.00		23.98		
VHT40	MCS0	2	110	5550	36.10	36.20	46.94	51.26	23.98		30.00		23.98		
VHT40	MCS0	2	134	5670	36.20	36.40	47.70	46.62	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	75.12	75.36	81.60	81.28	23.98		30.00		23.98		
VHT80	MCS0	2	122	5610	75.12	75.48	81.92	81.28	23.98		30.00		23.98		

Report Number : FR5N0311D

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.20	0.20	6.31	6.30	9.32	23.98		3.55			Pass
11a	6Mbps	2	116	5580	0.20	0.20	7.33	7.08	10.22	23.98		3.55			Pass
11a	6Mbps	2	140	5700	0.20	0.20	7.12	8.09	10.65	23.98		3.55			Pass
HT20	MCS8	2	100	5500	0.42	0.42	6.79	7.20	10.01	23.98		3.55			Pass
HT20	MCS8	2	116	5580	0.42	0.42	7.70	7.65	10.69	23.98		3.55			Pass
HT20	MCS8	2	140	5700	0.42	0.42	7.17	7.68	10.44	23.98		3.55			Pass
HT40	MCS8	2	102	5510	0.77	0.77	6.48	6.19	9.35	23.98		3.55			Pass
HT40	MCS8	2	110	5550	0.77	0.77	6.85	7.76	10.34	23.98		3.55			Pass
HT40	MCS8	2	134	5670	0.77	0.77	7.32	7.62	10.48	23.98		3.55			Pass
VHT20	MCS0	2	100	5500	0.21	0.22	3.78	3.71	6.75	23.98		3.55			Pass
VHT20	MCS0	2	116	5580	0.21	0.22	3.50	3.27	6.39	23.98		3.55			Pass
VHT20	MCS0	2	140	5700	0.21	0.22	3.37	3.66	6.53	23.98		3.55			Pass
VHT40	MCS0	2	102	5510	0.43	0.43	3.10	0.51	5.01	23.98		3.55			Pass
VHT40	MCS0	2	110	5550	0.43	0.43	2.65	0.10	4.57	23.98		3.55			Pass
VHT40	MCS0	2	134	5670	0.43	0.43	3.54	0.62	5.34	23.98		3.55			Pass
VHT80	MCS0	2	106	5530	0.81	0.82	2.78	0.36	4.75	23.98		3.55			Pass
VHT80	MCS0	2	122	5610	0.81	0.82	3.05	0.35	4.92	23.98		3.55			Pass

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TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.20	0.20			-1.74	11.00		3.55			Pass
11a	6Mbps	2	116	5580	0.20	0.20			-0.43	11.00		3.55			Pass
11a	6Mbps	2	140	5700	0.20	0.20			-1.61	11.00		3.55			Pass
HT20	MCS8	2	100	5500	0.42	0.42			-1.62	11.00		3.55			Pass
HT20	MCS8	2	116	5580	0.42	0.42			-0.83	11.00		3.55			Pass
HT20	MCS8	2	140	5700	0.42	0.42			-2.34	11.00		3.55			Pass
HT40	MCS8	2	102	5510	0.77	0.77			-6.33	11.00		3.55			Pass
HT40	MCS8	2	110	5550	0.77	0.77			-5.28	11.00		3.55			Pass
HT40	MCS8	2	134	5670	0.77	0.77			-7.45	11.00		3.55			Pass
VHT20	MCS0	2	100	5500	0.21	0.22			-4.92	11.00		3.55			Pass
VHT20	MCS0	2	116	5580	0.21	0.22			-4.58	11.00		3.55			Pass
VHT20	MCS0	2	140	5700	0.21	0.22			-6.15	11.00		3.55			Pass
VHT40	MCS0	2	102	5510	0.43	0.43			-9.83	11.00		3.55			Pass
VHT40	MCS0	2	110	5550	0.43	0.43			-10.14	11.00		3.55			Pass
VHT40	MCS0	2	134	5670	0.43	0.43			-10.94	11.00		3.55			Pass
VHT80	MCS0	2	106	5530	0.81	0.82			-14.63	11.00		3.55			Pass
VHT80	MCS0	2	122	5610	0.81	0.82			-15.34	11.00		3.55			Pass

TEST RESULTS DATA
26dB and 99% OBW

Straddle Channel														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		Emission Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	144	5720	16.90	16.90	24.70	23.00	-		-		-		
				NII-2C	13.5	13.5	17.1	16.5	22.30		28.30		23.17		
				NII-3	3.4	3.4	7.6	6.5	22.31		28.31		19.13		
HT20	MCS0	2	144	5720	16.95	16.95	26.10	24.00	-		-		-		
				NII-2C	13.5	13.5	17.7	17	22.30		28.30		23.30		
				NII-3	3.45	3.45	8.4	7	22.38		28.38		19.45		
HT40	MCS0	2	142	5710	36.20	36.30	52.02	48.06	-		-		-		
				NII-2C	33.2	33.3	43.44	39.48	23.98		30.00		23.98		
				NII-3	3	3	8.58	8.58	21.77		27.77		20.33		
VHT20	MCS0	2	144	5720	17.85	18.00	26.00	25.40	-		-		-		
				NII-2C	14	14.05	17.8	17.9	22.46		28.46		23.50		
				NII-3	3.85	3.95	8.2	7.5	22.85		28.85		19.75		
VHT40	MCS0	2	142	5710	36.00	36.40	50.94	55.62	-		-		-		
				NII-2C	33.1	33.3	41.82	42.36	23.98		30.00		23.98		
				NII-3	2.9	3.1	9.12	13.26	21.62		27.62		20.60		
VHT80	MCS0	2	138	5690	75.12	75.48	83.20	85.76	-		-		-		
				NII-2C	72.68	72.8	76.92	78.84	23.98		30.00		23.98		
				NII-3	2.44	2.68	6.28	6.92	20.87		26.87		18.98		

TEST RESULTS DATA
Average Power Table

FCC Straddle Channel															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.20	0.20	6.65	5.31	9.04	-		3.55			-
				NII-2C	0.20	0.20	5.93	4.59	8.32	23.17		3.55			Pass
				NII-3	0.20	0.20	-1.50	-2.88	0.87	19.13		3.55			Pass
HT20	MCS0	2	144	5720	0.42	0.42	7.06	5.85	9.51	-		3.55			-
				NII-2C	0.42	0.42	6.37	5.10	8.79	23.30		3.55			Pass
				NII-3	0.42	0.42	-1.26	-2.14	1.33	19.45		3.55			Pass
HT40	MCS0	2	142	5710	0.77	0.77	6.42	6.44	9.44	-		3.55			-
				NII-2C	0.77	0.77	6.19	6.21	9.21	23.98		3.55			Pass
				NII-3	0.77	0.77	-6.53	-6.40	-3.45	20.33		3.55			Pass
VHT20	MCS0	2	144	5720	0.21	0.22	4.01	3.62	6.83	-		3.55			-
				NII-2C	0.21	0.22	3.28	2.83	6.07	23.50		3.55			Pass
				NII-3	0.21	0.22	-4.10	-4.19	-1.13	19.75		3.55			Pass
VHT40	MCS0	2	142	5710	0.43	0.43	3.07	2.43	5.77	-		3.55			-
				NII-2C	0.43	0.43	2.86	2.20	5.55	23.98		3.55			Pass
				NII-3	0.43	0.43	-10.26	-10.46	-7.35	20.60		3.55			Pass
VHT80	MCS0	2	138	5690	0.81	0.82	2.87	2.57	5.73	-		3.55			-
				NII-2C	0.81	0.82	2.80	2.49	5.66	23.98		3.55			Pass
				NII-3	0.81	0.82	-15.07	-14.80	-11.92	18.98		3.55			Pass

TEST RESULTS DATA
Power Spectral Density

Straddle Channel															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	NII-2C	0.20	0.20			-2.49	11.00		3.55			Pass
				NII-3	0.20	0.20			-2.49	30.00		3.55			Pass
HT20	MCS0	2	144	NII-2C	0.42	0.42			-2.87	11.00		3.55			Pass
				NII-3	0.42	0.42			-2.87	30.00		3.55			Pass
HT40	MCS0	2	142	NII-2C	0.77	0.77			-5.63	11.00		3.55			Pass
				NII-3	0.77	0.77			-5.63	30.00		3.55			Pass
VHT20	MCS0	2	144	NII-2C	0.21	0.22			-5.58	11.00		3.55			Pass
				NII-3	0.21	0.22			-5.58	30.00		3.55			Pass
VHT40	MCS0	2	142	NII-2C	0.43	0.43			-10.47	11.00		3.55			Pass
				NII-3	0.43	0.43			-10.47	30.00		3.55			Pass
VHT80	MCS0	2	138	NII-2C	0.81	0.82			-15.01	11.00		3.55			Pass
				NII-3	0.81	0.82			-15.01	30.00		3.55			Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.85	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	4.4	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.65	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	3.65	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	3.65	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.85	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	4.4	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.65	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	3.65	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	3.65	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.85	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	4.4	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.65	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	3.65	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.65	

Appendix B. Radiated Spurious Emission

Test Engineer :	Bill Chang, Ken Wu, and J.C. Liang	Temperature :	20~23℃
		Humidity :	54~56%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5149.85	54.78	-19.22	74	47.72	31.58	8.95	33.47	100	280	P	H
		5150	45.01	-8.99	54	37.95	31.58	8.95	33.47	100	280	A	H
	*	5180	102.08	-	-	94.96	31.62	8.97	33.47	100	280	P	H
	*	5180	96.14	-	-	89.02	31.62	8.97	33.47	100	280	A	H
													H
													H
		5150	52.01	-21.99	74	44.95	31.58	8.95	33.47	104	184	P	V
		5149.85	41.93	-12.07	54	34.87	31.58	8.95	33.47	104	184	A	V
	*	5180	97.87	-	-	90.75	31.62	8.97	33.47	104	184	P	V
	*	5180	91.82	-	-	84.7	31.62	8.97	33.47	104	184	A	V
													V
													V
802.11a CH 44 5220MHz		5129	49.64	-24.36	74	42.6	31.56	8.95	33.47	100	270	P	H
		5148.35	40.17	-13.83	54	33.11	31.58	8.95	33.47	100	270	A	H
	*	5220	103.59	-	-	96.42	31.66	8.98	33.47	100	270	P	H
	*	5220	97.04	-	-	89.87	31.66	8.98	33.47	100	270	A	H
		5436.57	49.1	-24.9	74	41.49	31.92	9.17	33.48	100	270	P	H
		5453.29	39.61	-14.39	54	31.93	31.94	9.22	33.48	100	270	A	H
		5131.7	49.52	-24.48	74	42.48	31.56	8.95	33.47	100	183	P	V
		5120.75	40.16	-13.84	54	33.17	31.54	8.92	33.47	100	183	A	V
	*	5220	100.54	-	-	93.37	31.66	8.98	33.47	100	183	P	V
	*	5220	92.86	-	-	85.69	31.66	8.98	33.47	100	183	A	V
		5446.47	48.76	-25.24	74	41.08	31.94	9.22	33.48	100	183	P	V
		5459.12	39.55	-14.45	54	31.87	31.94	9.22	33.48	100	183	A	V

802.11a CH 48 5240MHz		5084.3	48.32	-25.68	74	41.37	31.5	8.92	33.47	100	270	P	H
		5106.65	40.12	-13.88	54	33.13	31.54	8.92	33.47	100	270	A	H
	*	5240	102.94	-	-	95.75	31.68	8.98	33.47	100	270	P	H
	*	5240	96.74	-	-	89.55	31.68	8.98	33.47	100	270	A	H
		5402.69	49.41	-24.59	74	41.84	31.88	9.17	33.48	100	270	P	H
		5417.87	39.63	-14.37	54	32.04	31.9	9.17	33.48	100	270	A	H
		5097.95	49.5	-24.5	74	42.53	31.52	8.92	33.47	100	181	P	V
		5092.85	40.16	-13.84	54	33.19	31.52	8.92	33.47	100	181	A	V
	*	5240	98.92	-	-	91.73	31.68	8.98	33.47	100	181	P	V
	*	5240	92.36	-	-	85.17	31.68	8.98	33.47	100	181	A	V
		5393.78	49	-25	74	41.49	31.86	9.13	33.48	100	181	P	V
		5454.28	39.49	-14.51	54	31.81	31.94	9.22	33.48	100	181	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	53.64	-20.36	74	68.26	39.79	13.09	67.5	100	305	P	H
		10360	45.38	-8.62	54	60	39.79	13.09	67.5	100	305	A	H
		15540	43.14	-30.86	74	53.38	38.6	16.55	65.39	100	0	P	H
													H
		10360	59.74	-14.26	74	74.36	39.79	13.09	67.5	100	279	P	V
		10360	50.68	-3.32	54	65.3	39.79	13.09	67.5	100	279	A	V
		15540	41.95	-32.05	74	52.19	38.6	16.55	65.39	100	0	P	V
													V
802.11a CH 44 5220MHz		10440	50.83	-23.17	74	65.33	39.89	13.11	67.5	100	0	P	H
		15660	41.16	-32.84	74	51.74	38.23	16.56	65.37	100	0	P	H
													H
													H
		10440	59.67	-14.33	74	74.17	39.89	13.11	67.5	100	273	P	V
		10440	50.91	-3.09	54	65.41	39.89	13.11	67.5	100	273	A	V
		15660	40.61	-33.39	74	51.19	38.23	16.56	65.37	100	0	P	V
													V
802.11a CH 48 5240MHz		10480	55.1	-18.9	74	69.52	39.97	13.11	67.5	100	301	P	H
		10480	46.75	-7.25	54	61.17	39.97	13.11	67.5	100	301	A	H
		15720	42.61	-31.39	74	53.37	38.03	16.57	65.36	100	0	P	H
													H
		10480	59.97	-14.03	74	74.39	39.97	13.11	67.5	100	273	P	V
		10480	50.67	-3.33	54	65.09	39.97	13.11	67.5	100	273	A	V
		15720	40.28	-33.72	74	51.04	38.03	16.57	65.36	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+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)
		5149.4	52.96	-21.04	74	45.9	31.58	8.95	33.47	100	281	P	H
		5146.55	46.65	-7.35	54	39.59	31.58	8.95	33.47	100	281	A	H
	*	5180	102.54	-	-	95.42	31.62	8.97	33.47	100	281	P	H
	*	5180	95.23	-	-	88.11	31.62	8.97	33.47	100	281	A	H
802.11n													H
HT20													H
CH 36		5024.6	49.97	-24.03	74	43.14	31.44	8.86	33.47	100	205	P	V
5180MHz		5148.95	43.22	-10.78	54	36.16	31.58	8.95	33.47	100	205	A	V
	*	5180	96.01	-	-	88.89	31.62	8.97	33.47	100	205	P	V
	*	5180	90.64	-	-	83.52	31.62	8.97	33.47	100	205	A	V
													V
													V
		5139.95	49.3	-24.7	74	42.24	31.58	8.95	33.47	100	281	P	H
		5128.55	41.19	-12.81	54	34.15	31.56	8.95	33.47	100	281	A	H
	*	5220	102.22	-	-	95.05	31.66	8.98	33.47	100	281	P	H
	*	5220	95.36	-	-	88.19	31.66	8.98	33.47	100	281	A	H
802.11n		5449.55	49.1	-24.9	74	41.42	31.94	9.22	33.48	100	281	P	H
HT20		5454.5	40.34	-13.66	54	32.66	31.94	9.22	33.48	100	281	A	H
CH 44		5047.25	49.54	-24.46	74	42.66	31.46	8.89	33.47	100	203	P	V
5220MHz		5089.1	40.89	-13.11	54	33.92	31.52	8.92	33.47	100	203	A	V
	*	5220	96.89	-	-	89.72	31.66	8.98	33.47	100	203	P	V
	*	5220	89.55	-	-	82.38	31.66	8.98	33.47	100	203	A	V
		5448.67	49.51	-24.49	74	41.83	31.94	9.22	33.48	100	203	P	V
		5456.15	39.95	-14.05	54	32.27	31.94	9.22	33.48	100	203	A	V

		5045.15	49.18	-24.82	74	42.3	31.46	8.89	33.47	100	280	P	H
		5098.55	40.83	-13.17	54	33.86	31.52	8.92	33.47	100	280	A	H
	*	5241	102.27	-	-	95.08	31.68	8.98	33.47	100	280	P	H
	*	5241	95.7	-	-	88.51	31.68	8.98	33.47	100	280	A	H
802.11n		5453.95	48.71	-25.29	74	41.03	31.94	9.22	33.48	100	280	P	H
HT20		5451.75	40.34	-13.66	54	32.66	31.94	9.22	33.48	100	280	A	H
CH 48		5103.5	49.12	-24.88	74	42.15	31.52	8.92	33.47	100	202	P	V
5240MHz		5103.95	40.87	-13.13	54	33.9	31.52	8.92	33.47	100	202	A	V
	*	5239	96.64	-	-	89.45	31.68	8.98	33.47	100	202	P	V
	*	5239	89.55	-	-	82.36	31.68	8.98	33.47	100	202	A	V
		5407.53	49.09	-24.91	74	41.52	31.88	9.17	33.48	100	202	P	V
		5404.34	40	-14	54	32.43	31.88	9.17	33.48	100	202	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)
		6906	43.81	-30.19	74	63.41	35.13	10.1	64.83	296	39	P	H
		10360	50.41	-23.59	74	65.03	39.79	13.09	67.5	100	0	P	H
802.11n		15540	42.32	-31.68	74	52.56	38.6	16.55	65.39	100	0	P	H
HT20													H
CH 36		6906	42.67	-31.33	74	62.27	35.13	10.1	64.83	304	101	P	V
5180MHz		10360	57.75	-16.25	74	72.37	39.79	13.09	67.5	100	274	P	V
		10360	49.29	-4.71	54	63.91	39.79	13.09	67.5	100	274	A	V
		15540	41.36	-32.64	74	51.6	38.6	16.55	65.39	100	0	P	V
		6960	44.66	-29.34	74	64.18	35.31	10.11	64.94	254	319	P	H
		10440	43.93	-30.07	74	58.43	39.89	13.11	67.5	100	0	P	H
802.11n		15660	40.74	-33.26	74	51.32	38.23	16.56	65.37	100	0	P	H
HT20													H
CH 44		6960	42.28	-31.72	74	61.8	35.31	10.11	64.94	345	202	P	V
5220MHz		10440	46.34	-27.66	74	60.84	39.89	13.11	67.5	100	0	P	V
		15660	41.94	-32.06	74	52.52	38.23	16.56	65.37	100	0	P	V
													V
		6984	43.63	-30.37	74	63.12	35.36	10.12	64.97	385	0	P	H
		10480	43.83	-30.17	74	58.25	39.97	13.11	67.5	100	0	P	H
802.11n		15720	40.93	-33.07	74	51.69	38.03	16.57	65.36	100	0	P	H
HT20													H
CH 48		6984	42.16	-31.84	74	61.65	35.36	10.12	64.97	380	286	P	V
5240MHz		10480	48.16	-25.84	74	62.58	39.97	13.11	67.5	100	0	P	V
		15720	41.33	-32.67	74	52.09	38.03	16.57	65.36	100	0	P	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)
		5129.75	57.58	-16.42	74	50.54	31.56	8.95	33.47	100	294	P	H
		5149.7	50.16	-3.84	54	43.1	31.58	8.95	33.47	100	294	A	H
	*	5192	99.26	-	-	92.12	31.64	8.97	33.47	100	294	P	H
	*	5192	91.98	-	-	84.84	31.64	8.97	33.47	100	294	A	H
802.11n		5353.52	52.48	-21.52	74	45.06	31.82	9.08	33.48	100	294	P	H
HT40		5435.03	40.29	-13.71	54	32.68	31.92	9.17	33.48	100	294	A	H
CH 38		5133.8	51.15	-22.85	74	44.11	31.56	8.95	33.47	100	172	P	V
5190MHz		5149.1	44.47	-9.53	54	37.41	31.58	8.95	33.47	100	172	A	V
	*	5188	92.37	-	-	85.25	31.62	8.97	33.47	100	172	P	V
	*	5188	84.92	-	-	77.8	31.62	8.97	33.47	100	172	A	V
		5386.52	49.35	-24.65	74	41.84	31.86	9.13	33.48	100	172	P	V
		5456.26	40	-14	54	32.32	31.94	9.22	33.48	100	172	A	V
		5122.85	52.27	-21.73	74	45.23	31.56	8.95	33.47	100	296	P	H
		5147.9	41.72	-12.28	54	34.66	31.58	8.95	33.47	100	296	A	H
	*	5230	98.97	-	-	91.78	31.68	8.98	33.47	100	296	P	H
	*	5230	91.69	-	-	84.5	31.68	8.98	33.47	100	296	A	H
802.11n		5417.21	53.1	-20.9	74	45.51	31.9	9.17	33.48	100	296	P	H
HT40		5382.23	40.17	-13.83	54	32.66	31.86	9.13	33.48	100	296	A	H
CH 46		5085.8	49.88	-24.12	74	42.93	31.5	8.92	33.47	100	173	P	V
5230MHz		5142.95	40.73	-13.27	54	33.67	31.58	8.95	33.47	100	173	A	V
	*	5230	92.87	-	-	85.68	31.68	8.98	33.47	100	173	P	V
	*	5230	85.35	-	-	78.16	31.68	8.98	33.47	100	173	A	V
		5458.68	48.62	-25.38	74	40.94	31.94	9.22	33.48	100	173	P	V
		5377.83	40.17	-13.83	54	32.66	31.86	9.13	33.48	100	173	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)
		10380	42.84	-31.16	74	57.44	39.81	13.09	67.5	100	0	P	H
		15570	41.33	-32.67	74	51.68	38.49	16.55	65.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	42.99	-31.01	74	57.59	39.81	13.09	67.5	100	0	P	V
5190MHz		15570	41.82	-32.18	74	52.17	38.49	16.55	65.39	100	0	P	V
													V
													V
		10460	42.5	-31.5	74	56.97	39.92	13.11	67.5	100	0	P	H
		15690	40.82	-33.18	74	51.49	38.13	16.56	65.36	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	42.73	-31.27	74	57.2	39.92	13.11	67.5	100	0	P	V
5230MHz		15690	41.35	-32.65	74	52.02	38.13	16.56	65.36	100	0	P	V
													V
													V

Remark

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

Band 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		5148.2	50.89	-23.11	74	43.83	31.58	8.95	33.47	174	161	P	H
		5145.35	42.66	-11.34	54	35.6	31.58	8.95	33.47	174	161	A	H
	*	5210	92.73	-	-	85.56	31.66	8.98	33.47	174	161	P	H
	*	5210	82.87	-	-	75.7	31.66	8.98	33.47	174	161	A	H
		5356.6	48.34	-25.66	74	40.92	31.82	9.08	33.48	174	161	P	H
		5353.63	40.33	-13.67	54	32.91	31.82	9.08	33.48	174	161	A	H
		5142.8	53.06	-20.94	74	46	31.58	8.95	33.47	100	268	P	V
		5150	43.58	-10.42	54	36.52	31.58	8.95	33.47	100	268	A	V
	*	5210	94.57	-	-	87.4	31.66	8.98	33.47	100	268	P	V
	*	5210	82.44	-	-	75.27	31.66	8.98	33.47	100	268	A	V
		5458.68	51.61	-22.39	74	43.93	31.94	9.22	33.48	100	268	P	V
		5354.84	41.31	-12.69	54	33.89	31.82	9.08	33.48	100	268	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)
		6948	42.84	-31.16	74	62.38	35.27	10.11	64.92	100	0	P	H
		10420	42.32	-31.68	74	56.85	39.87	13.1	67.5	100	0	P	H
802.11ac		15630	40.81	-33.19	74	51.34	38.29	16.55	65.37	100	0	P	H
VHT80													H
CH 42		6948	41.49	-32.51	74	61.03	35.27	10.11	64.92	100	0	P	V
5210MHz		10420	43.25	-30.75	74	57.78	39.87	13.1	67.5	100	0	P	V
		15630	40.63	-33.37	74	51.16	38.29	16.55	65.37	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5132.45	49.75	-24.25	74	42.71	31.56	8.95	33.47	100	284	P	H
		5094.35	40.14	-13.86	54	33.17	31.52	8.92	33.47	100	284	A	H
	*	5260	103.05	-	-	95.82	31.72	8.99	33.48	100	284	P	H
	*	5260	96.78	-	-	89.55	31.72	8.99	33.48	100	284	A	H
		5432.17	48.7	-25.3	74	41.09	31.92	9.17	33.48	100	284	P	H
		5357.37	39.62	-14.38	54	32.2	31.82	9.08	33.48	100	284	A	H
		5096.15	48.8	-25.2	74	41.83	31.52	8.92	33.47	100	182	P	V
		5037.5	40.08	-13.92	54	33.23	31.46	8.86	33.47	100	182	A	V
	*	5260	100.08	-	-	92.85	31.72	8.99	33.48	100	182	P	V
	*	5260	93.14	-	-	85.91	31.72	8.99	33.48	100	182	A	V
		5446.14	49.18	-24.82	74	41.5	31.94	9.22	33.48	100	182	P	V
		5451.09	39.73	-14.27	54	32.05	31.94	9.22	33.48	100	182	A	V
802.11a CH 60 5300MHz		5070.8	48.86	-25.14	74	41.96	31.48	8.89	33.47	100	269	P	H
		5096.6	40.1	-13.9	54	33.13	31.52	8.92	33.47	100	269	A	H
	*	5300	105.7	-	-	98.38	31.76	9.04	33.48	100	269	P	H
	*	5300	98.75	-	-	91.43	31.76	9.04	33.48	100	269	A	H
		5363.86	53.25	-20.75	74	45.76	31.84	9.13	33.48	100	269	P	H
		5350.77	42.73	-11.27	54	35.31	31.82	9.08	33.48	100	269	A	H
		5051.75	48.21	-25.79	74	41.33	31.46	8.89	33.47	100	179	P	V
		5091.8	40.09	-13.91	54	33.12	31.52	8.92	33.47	100	179	A	V
	*	5300	101.2	-	-	93.88	31.76	9.04	33.48	100	179	P	V
	*	5300	93.97	-	-	86.65	31.76	9.04	33.48	100	179	A	V
		5442.95	49	-25	74	41.34	31.92	9.22	33.48	100	179	P	V
		5353.19	40.26	-13.74	54	32.84	31.82	9.08	33.48	100	179	A	V

802.11a CH 64 5320MHz	*	5320	106.24	-	-	98.9	31.78	9.04	33.48	100	270	P	H
	*	5320	99.13	-	-	91.79	31.78	9.04	33.48	100	270	A	H
		5350.11	57.9	-16.1	74	50.48	31.82	9.08	33.48	100	270	P	H
		5350.55	50.4	-3.6	54	42.98	31.82	9.08	33.48	100	270	A	H
													H
													H
	*	5320	99.18	-	-	91.84	31.78	9.04	33.48	100	183	P	V
	*	5320	91.88	-	-	84.54	31.78	9.04	33.48	100	183	A	V
		5358.47	50.9	-23.1	74	43.48	31.82	9.08	33.48	100	183	P	V
		5350.55	43.44	-10.56	54	36.02	31.82	9.08	33.48	100	183	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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	56.21	-17.79	74	70.54	40.01	13.14	67.48	100	302	P	H
		10520	47.21	-6.79	54	61.54	40.01	13.14	67.48	100	302	A	H
		15780	39.1	-34.9	74	50	37.87	16.57	65.34	100	0	P	H
													H
		10520	59.8	-14.2	74	74.13	40.01	13.14	67.48	100	273	P	V
		10520	50.99	-3.01	54	65.32	40.01	13.14	67.48	100	273	A	V
		15780	39.22	-34.78	74	50.12	37.87	16.57	65.34	100	0	P	V
													V
802.11a CH 60 5300MHz		10600	56.47	-17.53	74	70.61	40.06	13.2	67.4	100	271	P	H
		10600	47.17	-6.83	54	61.31	40.06	13.2	67.4	100	271	A	H
		15900	39.85	-34.15	74	51.08	37.51	16.58	65.32	100	0	P	H
													H
		10600	59.61	-14.39	74	73.75	40.06	13.2	67.4	100	274	P	V
		10600	50.83	-3.17	54	64.97	40.06	13.2	67.4	100	274	A	V
		15900	38.92	-35.08	74	50.15	37.51	16.58	65.32	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	57.2	-16.8	74	71.25	40.08	13.23	67.36	102	268	P	H
		10640	48.13	-5.87	54	62.18	40.08	13.23	67.36	102	268	A	H
		15960	40.18	-33.82	74	51.6	37.3	16.59	65.31	100	0	P	H
													H
		10640	59.73	-14.27	74	73.78	40.08	13.23	67.36	100	272	P	V
		10640	50.73	-3.27	54	64.78	40.08	13.23	67.36	100	272	A	V
		15960	40.28	-33.72	74	51.7	37.3	16.59	65.31	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5130.8	48.75	-25.25	74	41.71	31.56	8.95	33.47	100	280	P	H
		5106.95	40.75	-13.25	54	33.76	31.54	8.92	33.47	100	280	A	H
	*	5260	102.27	-	-	95.04	31.72	8.99	33.48	100	280	P	H
	*	5260	95.44	-	-	88.21	31.72	8.99	33.48	100	280	A	H
802.11n		5455.49	48.81	-25.19	74	41.13	31.94	9.22	33.48	100	280	P	H
HT20		5358.36	40.67	-13.33	54	33.25	31.82	9.08	33.48	100	280	A	H
CH 52		5074.4	49.12	-24.88	74	42.2	31.5	8.89	33.47	100	174	P	V
5260MHz		5034.2	40.69	-13.31	54	33.86	31.44	8.86	33.47	100	174	A	V
	*	5260	97.93	-	-	90.7	31.72	8.99	33.48	100	174	P	V
	*	5260	89.53	-	-	82.3	31.72	8.99	33.48	100	174	A	V
		5422.38	49.3	-24.7	74	41.71	31.9	9.17	33.48	100	174	P	V
		5441.08	40.07	-13.93	54	32.46	31.92	9.17	33.48	100	174	A	V
		5070.05	49.35	-24.65	74	42.45	31.48	8.89	33.47	100	287	P	H
		5083.1	40.74	-13.26	54	33.79	31.5	8.92	33.47	100	287	A	H
	*	5300	103.01	-	-	95.69	31.76	9.04	33.48	100	287	P	H
	*	5300	95.16	-	-	87.84	31.76	9.04	33.48	100	287	A	H
802.11n		5351.43	55.7	-18.3	74	48.28	31.82	9.08	33.48	100	287	P	H
HT20		5351.1	44.34	-9.66	54	36.92	31.82	9.08	33.48	100	287	A	H
CH 60		5022.05	49.41	-24.59	74	42.58	31.44	8.86	33.47	100	192	P	V
5300MHz		5098.7	40.68	-13.32	54	33.71	31.52	8.92	33.47	100	192	A	V
	*	5300	97.89	-	-	90.57	31.76	9.04	33.48	100	192	P	V
	*	5300	90.14	-	-	82.82	31.76	9.04	33.48	100	192	A	V
		5351.76	48.62	-25.38	74	41.2	31.82	9.08	33.48	100	192	P	V
		5350.33	40.99	-13.01	54	33.57	31.82	9.08	33.48	100	192	A	V

	*	5320	103.29	-	-	95.95	31.78	9.04	33.48	100	287	P	H
	*	5320	95.5	-	-	88.16	31.78	9.04	33.48	100	287	A	H
		5350.44	59.42	-14.58	74	52	31.82	9.08	33.48	100	287	P	H
		5350.44	50.49	-3.51	54	43.07	31.82	9.08	33.48	100	287	A	H
802.11n													H
HT20													H
CH 64	*	5320	98.01	-	-	90.67	31.78	9.04	33.48	100	184	P	V
5320MHz	*	5320	90.42	-	-	83.08	31.78	9.04	33.48	100	184	A	V
		5357.7	51.91	-22.09	74	44.49	31.82	9.08	33.48	100	184	P	V
		5353.85	44.71	-9.29	54	37.29	31.82	9.08	33.48	100	184	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)
		7014	44.58	-29.42	74	63.99	35.44	10.15	65	383	333	P	H
		10518	44.62	-29.38	74	58.98	40.01	13.11	67.48	100	0	P	H
802.11n		15780	40.22	-33.78	74	51.12	37.87	16.57	65.34	100	0	P	H
HT20													H
CH 52		7014	42.6	-31.4	74	62.01	35.44	10.15	65	398	288	P	V
5260MHz		10520	47.08	-26.92	74	61.41	40.01	13.14	67.48	100	0	P	V
		15780	40.06	-33.94	74	50.96	37.87	16.57	65.34	100	0	P	V
													V
		10600	46.92	-27.08	74	33.72	-500	13.2	-500	100	0	P	H
		15900	40.25	-33.75	74	23.67	-500	16.58	-500	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	47.54	-26.46	74	61.68	40.06	13.2	67.4	100	0	P	V
5300MHz		15900	38.97	-35.03	74	50.2	37.51	16.58	65.32	100	0	P	V
													V
													V
		10640	41.05	-32.95	74	55.1	40.08	13.23	67.36	100	0	P	H
		15960	39.59	-34.41	74	51.01	37.3	16.59	65.31	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	41.28	-32.72	74	55.33	40.08	13.23	67.36	100	0	P	V
5320MHz		15960	39.64	-34.36	74	51.06	37.3	16.59	65.31	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)
		5090.15	49.67	-24.33	74	42.7	31.52	8.92	33.47	100	291	P	H
		5099.45	40.85	-13.15	54	33.88	31.52	8.92	33.47	100	291	A	H
	*	5272	98.85	-	-	91.62	31.72	8.99	33.48	100	291	P	H
	*	5272	91.05	-	-	83.82	31.72	8.99	33.48	100	291	A	H
802.11n		5364.08	56.17	-17.83	74	48.68	31.84	9.13	33.48	100	291	P	H
HT40		5352.86	42.65	-11.35	54	35.23	31.82	9.08	33.48	100	291	A	H
CH 54		5122.7	49.89	-24.11	74	42.85	31.56	8.95	33.47	107	195	P	V
5270MHz		5116.1	40.7	-13.3	54	33.71	31.54	8.92	33.47	107	195	A	V
	*	5270	93.54	-	-	86.31	31.72	8.99	33.48	107	195	P	V
	*	5270	85.8	-	-	78.57	31.72	8.99	33.48	107	195	A	V
		5361.77	50.07	-23.93	74	42.58	31.84	9.13	33.48	107	195	P	V
		5354.73	40.35	-13.65	54	32.93	31.82	9.08	33.48	107	195	A	V
		5146.25	48.95	-25.05	74	41.89	31.58	8.95	33.47	100	289	P	H
		5086.1	40.81	-13.19	54	33.86	31.5	8.92	33.47	100	289	A	H
	*	5310	101.17	-	-	93.83	31.78	9.04	33.48	100	289	P	H
	*	5310	92.88	-	-	85.54	31.78	9.04	33.48	100	289	A	H
802.11n		5361.55	63.39	-10.61	74	55.95	31.84	9.08	33.48	100	289	P	H
HT40		5352.09	50.83	-3.17	54	43.41	31.82	9.08	33.48	100	289	A	H
CH 62		5020.1	49.09	-24.91	74	42.28	31.42	8.86	33.47	100	195	P	V
5310MHz		5107.85	41.06	-12.94	54	34.07	31.54	8.92	33.47	100	195	A	V
	*	5310	94.79	-	-	87.45	31.78	9.04	33.48	100	195	P	V
	*	5310	87.66	-	-	80.32	31.78	9.04	33.48	100	195	A	V
		5361	58.19	-15.81	74	50.75	31.84	9.08	33.48	100	195	P	V
		5350.77	47.02	-6.98	54	39.6	31.82	9.08	33.48	100	195	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)
		10540	43.47	-30.53	74	57.78	40.02	13.14	67.47	100	0	P	H
		15810	41.13	-32.87	74	52.13	37.77	16.57	65.34	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	46.56	-27.44	74	60.87	40.02	13.14	67.47	100	0	P	V
5270MHz		15810	40.39	-33.61	74	51.39	37.77	16.57	65.34	100	0	P	V
													V
													V
		10620	43.34	-30.66	74	57.45	40.07	13.2	67.38	100	0	P	H
		15930	39.88	-34.12	74	51.2	37.41	16.58	65.31	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	45.15	-28.85	74	59.26	40.07	13.2	67.38	100	0	P	V
5310MHz		15930	38.07	-35.93	74	49.39	37.41	16.58	65.31	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)
		5147.15	50.07	-23.93	74	43.01	31.58	8.95	33.47	100	281	P	H
		5126.15	41.26	-12.74	54	34.22	31.56	8.95	33.47	100	281	A	H
	*	5290	97.36	-	-	90.06	31.74	9.04	33.48	100	281	P	H
	*	5290	87.04	-	-	79.74	31.74	9.04	33.48	100	281	A	H
802.11ac		5379.15	56.5	-17.5	74	48.99	31.86	9.13	33.48	100	281	P	H
VHT80		5350.11	47.34	-6.66	54	39.92	31.82	9.08	33.48	100	281	A	H
CH 58		5059.85	48.84	-25.16	74	41.94	31.48	8.89	33.47	100	196	P	V
5290MHz		5080.1	40.64	-13.36	54	33.72	31.5	8.89	33.47	100	196	A	V
	*	5290	91.46	-	-	84.16	31.74	9.04	33.48	100	196	P	V
	*	5290	82.64	-	-	75.34	31.74	9.04	33.48	100	196	A	V
		5401.92	51.99	-22.01	74	44.42	31.88	9.17	33.48	100	196	P	V
		5356.16	43.81	-10.19	54	36.39	31.82	9.08	33.48	100	196	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)
		7056	42.41	-31.59	74	61.74	35.51	10.17	65.01	100	0	P	H
		10580	43.11	-30.89	74	57.3	40.05	13.17	67.41	100	0	P	H
802.11ac		15870	39.54	-34.46	74	50.72	37.56	16.58	65.32	100	0	P	H
VHT80													H
CH 58		7056	40.28	-33.72	74	59.61	35.51	10.17	65.01	100	0	P	V
5290MHz		10580	44.14	-29.86	74	58.33	40.05	13.17	67.41	100	0	P	V
		15870	40.22	-33.78	74	51.4	37.56	16.58	65.32	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5469.2	56.31	-17.69	74	48.61	31.96	9.22	33.48	100	275	P	H
		5466.16	48.92	-5.08	54	41.22	31.96	9.22	33.48	100	275	A	H
	*	5500	104.2	-	-	96.42	32	9.26	33.48	100	275	P	H
	*	5500	98.12	-	-	90.34	32	9.26	33.48	100	275	A	H
													H
													H
		5465.52	51.31	-22.69	74	43.61	31.96	9.22	33.48	100	182	P	V
		5469.68	43.36	-10.64	54	35.66	31.96	9.22	33.48	100	182	A	V
	*	5500	98.2	-	-	90.42	32	9.26	33.48	100	182	P	V
	*	5500	92.39	-	-	84.61	32	9.26	33.48	100	182	A	V
													V
													V
802.11a CH 116 5580MHz		5410.64	49.55	-24.45	74	41.98	31.88	9.17	33.48	100	283	P	H
		5461.2	40.08	-13.92	54	32.4	31.94	9.22	33.48	100	283	A	H
	*	5580	102.1	-	-	94.2	32.1	9.32	33.52	100	283	P	H
	*	5580	95.37	-	-	87.47	32.1	9.32	33.52	100	283	A	H
		5733.64	48.88	-25.12	74	40.7	32.31	9.44	33.57	100	283	P	H
		5764.04	40.44	-13.56	54	32.17	32.36	9.49	33.58	100	283	A	H
		5410.96	48.77	-25.23	74	41.2	31.88	9.17	33.48	100	188	P	V
		5462.32	39.8	-14.2	54	32.12	31.94	9.22	33.48	100	188	A	V
	*	5580	101.21	-	-	93.31	32.1	9.32	33.52	100	188	P	V
	*	5580	94.51	-	-	86.61	32.1	9.32	33.52	100	188	A	V
		5764.76	49.1	-24.9	74	40.83	32.36	9.49	33.58	100	188	P	V
		5756.44	40.54	-13.46	54	32.32	32.36	9.44	33.58	100	188	A	V

802.11a CH 140 5700MHz	*	5700	105.04	-	-	96.94	32.27	9.39	33.56	100	280	P	H
	*	5700	98.07	-	-	89.97	32.27	9.39	33.56	100	280	A	H
		5732.04	65.07	-8.93	74	56.89	32.31	9.44	33.57	100	280	P	H
		5725.56	50.02	-3.98	54	41.84	32.31	9.44	33.57	100	280	A	H
													H
													H
	*	5700	104.84	-	-	96.74	32.27	9.39	33.56	102	186	P	V
	*	5700	97.37	-	-	89.27	32.27	9.39	33.56	102	186	A	V
		5734.84	61.02	-12.98	74	52.81	32.34	9.44	33.57	102	186	P	V
		5725.08	49.62	-4.38	54	41.44	32.31	9.44	33.57	102	186	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+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	54.71	-19.29	74	67.93	40.3	13.48	67	100	299	P	H
		11000	46.03	-7.97	54	59.25	40.3	13.48	67	100	299	A	H
		16500	41.61	-32.39	74	49.9	38.9	16.81	64	100	0	P	H
													H
		11000	58.48	-15.52	74	71.7	40.3	13.48	67	100	302	P	V
		11000	49.78	-4.22	54	63	40.3	13.48	67	100	302	A	V
		16500	40.86	-33.14	74	49.15	38.9	16.81	64	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	54.54	-19.46	74	67.3	40.17	13.64	66.57	103	289	P	H
		11160	46.05	-7.95	54	58.81	40.17	13.64	66.57	103	289	A	H
		16740	41.15	-32.85	74	48.67	39.58	16.8	63.9	100	0	P	H
													H
		11160	58.11	-15.89	74	70.87	40.17	13.64	66.57	117	98	P	V
		11160	50.04	-3.96	54	62.8	40.17	13.64	66.57	117	98	A	V
		16740	41.26	-32.74	74	48.78	39.58	16.8	63.9	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	59.92	-14.08	74	72.03	39.98	13.87	65.96	100	273	P	H
		11400	48.39	-5.61	54	60.5	39.98	13.87	65.96	100	273	A	H
		17100	44.5	-29.5	74	50.97	40.6	16.85	63.92	100	0	P	H
													H
		11400	59.81	-14.19	74	71.92	39.98	13.87	65.96	100	273	P	V
		11400	50.99	-3.01	54	63.1	39.98	13.87	65.96	100	273	A	V
		17100	43.9	-30.1	74	50.37	40.6	16.85	63.92	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5468.24	56.42	-17.58	74	48.72	31.96	9.22	33.48	112	284	P	H
		5466.96	50.51	-3.49	54	42.81	31.96	9.22	33.48	112	284	A	H
	*	5500	104.93	-	-	97.15	32	9.26	33.48	112	284	P	H
	*	5500	98.25	-	-	90.47	32	9.26	33.48	112	284	A	H
802.11n													H
HT20													H
CH 100		5461.36	53.96	-20.04	74	46.28	31.94	9.22	33.48	100	193	P	V
5500MHz		5468.08	45.8	-8.2	54	38.1	31.96	9.22	33.48	100	193	A	V
	*	5499	99.17	-	-	91.39	32	9.26	33.48	100	193	P	V
	*	5499	92.44	-	-	84.66	32	9.26	33.48	100	193	A	V
													V
													V
		5432.08	49.6	-24.4	74	41.99	31.92	9.17	33.48	100	283	P	H
		5455.12	41.09	-12.91	54	33.41	31.94	9.22	33.48	100	283	A	H
	*	5580	107.03	-	-	99.13	32.1	9.32	33.52	100	283	P	H
	*	5580	99.49	-	-	91.59	32.1	9.32	33.52	100	283	A	H
802.11n		5761.24	49.22	-24.78	74	41	32.36	9.44	33.58	100	283	P	H
HT20		5737.48	40.99	-13.01	54	32.78	32.34	9.44	33.57	100	283	A	H
CH 116		5445.84	48.71	-25.29	74	41.03	31.94	9.22	33.48	100	181	P	V
5580MHz		5469.68	40.37	-13.63	54	32.67	31.96	9.22	33.48	100	181	A	V
	*	5580	102.72	-	-	94.82	32.1	9.32	33.52	100	181	P	V
	*	5580	93.99	-	-	86.09	32.1	9.32	33.52	100	181	A	V
		5760.36	49.57	-24.43	74	41.35	32.36	9.44	33.58	100	181	P	V
		5743.64	40.81	-13.19	54	32.6	32.34	9.44	33.57	100	181	A	V

	*	5700	104.27	-	-	96.17	32.27	9.39	33.56	100	284	P	H
	*	5700	96.94	-	-	88.84	32.27	9.39	33.56	100	284	A	H
		5725	57.27	-16.73	74	49.09	32.31	9.44	33.57	100	284	P	H
		5728.12	49.7	-4.3	54	41.52	32.31	9.44	33.57	100	284	A	H
802.11n													H
HT20													H
CH 140	*	5699	102.54	-	-	94.44	32.27	9.39	33.56	102	201	P	V
5700MHz	*	5699	93.95	-	-	85.85	32.27	9.39	33.56	102	201	A	V
		5727	54.77	-19.23	74	46.59	32.31	9.44	33.57	102	201	P	V
		5727.16	48.59	-5.41	54	40.41	32.31	9.44	33.57	102	201	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)
		11000	50.41	-23.59	74	63.63	40.3	13.48	67	100	0	P	H
		16500	41.47	-32.53	74	49.76	38.9	16.81	64	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	57.71	-16.29	74	70.93	40.3	13.48	67	107	298	P	V
5500MHz		11000	50.72	-3.28	54	63.94	40.3	13.48	67	107	298	A	V
		16500	40.61	-33.39	74	48.9	38.9	16.81	64	100	0	P	V
													V
		11160	48.82	-25.18	74	61.58	40.17	13.64	66.57	100	0	P	H
		16740	42.25	-31.75	74	49.77	39.58	16.8	63.9	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	54.7	-19.3	74	67.46	40.17	13.64	66.57	111	101	P	V
5580MHz		11160	50.23	-3.77	54	62.99	40.17	13.64	66.57	111	101	A	V
		16740	43.64	-30.36	74	51.16	39.58	16.8	63.9	100	0	P	V
													V
		11400	46.99	-27.01	74	59.1	39.98	13.87	65.96	100	0	P	H
		17100	43.93	-30.07	74	50.4	40.6	16.85	63.92	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	50.84	-23.16	74	62.95	39.98	13.87	65.96	100	0	P	V
5700MHz		17100	44.13	-29.87	74	50.6	40.6	16.85	63.92	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)
		5463.6	60.4	-13.6	74	52.7	31.96	9.22	33.48	105	285	P	H
		5469.84	50.82	-3.18	54	43.12	31.96	9.22	33.48	105	285	A	H
	*	5510	100.74	-	-	92.97	32	9.26	33.49	105	285	P	H
	*	5510	92.88	-	-	85.11	32	9.26	33.49	105	285	A	H
802.11n		5760.04	49.04	-24.96	74	40.82	32.36	9.44	33.58	105	285	P	H
HT40		5762.28	41.08	-12.92	54	32.81	32.36	9.49	33.58	105	285	A	H
CH 102		5468.88	56.06	-17.94	74	48.36	31.96	9.22	33.48	100	194	P	V
5510MHz		5469.68	45.53	-8.47	54	37.83	31.96	9.22	33.48	100	194	A	V
	*	5510	94.75	-	-	86.98	32	9.26	33.49	100	194	P	V
	*	5510	86.51	-	-	78.74	32	9.26	33.49	100	194	A	V
		5740.84	49.66	-24.34	74	41.45	32.34	9.44	33.57	100	194	P	V
		5762.84	41.37	-12.63	54	33.1	32.36	9.49	33.58	100	194	A	V
		5462.96	59.96	-14.04	74	52.26	31.96	9.22	33.48	100	285	P	H
		5469.04	45.47	-8.53	54	37.77	31.96	9.22	33.48	100	285	A	H
	*	5550	101.56	-	-	93.7	32.07	9.29	33.5	100	285	P	H
	*	5550	94.15	-	-	86.29	32.07	9.29	33.5	100	285	A	H
802.11n		5751.72	49.88	-24.12	74	41.65	32.36	9.44	33.57	100	285	P	H
HT40		5732.28	41.29	-12.71	54	33.11	32.31	9.44	33.57	100	285	A	H
CH 110		5435.92	52.66	-21.34	74	45.05	31.92	9.17	33.48	100	156	P	V
5550MHz		5461.52	41.03	-12.97	54	33.35	31.94	9.22	33.48	100	156	A	V
	*	5550	95.28	-	-	87.42	32.07	9.29	33.5	100	156	P	V
	*	5550	88.99	-	-	81.13	32.07	9.29	33.5	100	156	A	V
		5746.68	48.6	-25.4	74	40.39	32.34	9.44	33.57	100	156	P	V
		5764.92	40.98	-13.02	54	32.71	32.36	9.49	33.58	100	156	A	V

		5466	49.11	-24.89	74	41.41	31.96	9.22	33.48	100	294	P	H
		5463.92	40.18	-13.82	54	32.48	31.96	9.22	33.48	100	294	A	H
	*	5670	102.18	-	-	94.14	32.24	9.35	33.55	100	294	P	H
	*	5670	93.3	-	-	85.26	32.24	9.35	33.55	100	294	A	H
802.11n		5737.48	61.01	-12.99	74	52.8	32.34	9.44	33.57	100	294	P	H
HT40		5725.08	46.5	-7.5	54	38.32	32.31	9.44	33.57	100	294	A	H
CH 134		5422.48	48.68	-25.32	74	41.09	31.9	9.17	33.48	100	237	P	V
5670MHz		5468.56	40.46	-13.54	54	32.76	31.96	9.22	33.48	100	237	A	V
	*	5670	100.44	-	-	92.4	32.24	9.35	33.55	100	237	P	V
	*	5670	90.49	-	-	82.45	32.24	9.35	33.55	100	237	A	V
		5725.56	56.04	-17.96	74	47.86	32.31	9.44	33.57	100	237	P	V
		5727.88	45.58	-8.42	54	37.4	32.31	9.44	33.57	100	237	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)
		7345	42.77	-31.23	74	61.24	36.16	10.44	65.07	100	0	P	H
		11020	44.24	-29.76	74	57.43	40.29	13.48	66.96	100	0	P	H
802.11n		16530	40.52	-33.48	74	48.7	39	16.81	63.99	100	0	P	H
HT40													H
CH 102		7345	41.9	-32.1	74	60.37	36.16	10.44	65.07	100	0	P	V
5510MHz		11020	46.02	-27.98	74	59.21	40.29	13.48	66.96	100	0	P	V
		16530	39.47	-34.53	74	47.65	39	16.81	63.99	100	0	P	V
													V
		11100	50.66	-23.34	74	63.62	40.22	13.56	66.74	100	0	P	H
		16650	42.73	-31.27	74	50.54	39.33	16.8	63.94	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	54.27	-19.73	74	67.23	40.22	13.56	66.74	100	297	P	V
5550MHz		11100	48.04	-5.96	54	61	40.22	13.56	66.74	100	297	A	V
		16650	42.8	-31.2	74	50.61	39.33	16.8	63.94	100	0	P	V
													V
		11340	53.41	-20.59	74	65.72	40.03	13.79	66.13	100	260	P	H
		11340	45.46	-8.54	54	57.77	40.03	13.79	66.13	100	260	A	H
802.11n		17010	41.4	-32.6	74	48.07	40.35	16.8	63.82	100	0	P	H
HT40													H
CH 134		11340	56.39	-17.61	74	68.7	40.03	13.79	66.13	100	96	P	V
5670MHz		11340	49.48	-4.52	54	61.79	40.03	13.79	66.13	100	96	A	V
		17010	42.24	-31.76	74	48.91	40.35	16.8	63.82	100	0	P	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)
		5459.12	54.29	-19.71	74	46.61	31.94	9.22	33.48	107	282	P	H
		5469.84	46.07	-7.93	54	38.37	31.96	9.22	33.48	107	282	A	H
	*	5530	95.4	-	-	87.59	32.02	9.29	33.5	107	282	P	H
	*	5530	88.01	-	-	80.2	32.02	9.29	33.5	107	282	A	H
802.11ac		5760.12	49.69	-24.31	74	41.47	32.36	9.44	33.58	107	282	P	H
VHT80		5731.16	41.43	-12.57	54	33.25	32.31	9.44	33.57	107	282	A	H
CH 106		5468.88	56.58	-17.42	74	48.88	31.96	9.22	33.48	100	165	P	V
5530MHz		5469.36	44.25	-9.75	54	36.55	31.96	9.22	33.48	100	165	A	V
	*	5530	91.24	-	-	83.43	32.02	9.29	33.5	100	165	P	V
	*	5530	84.04	-	-	76.23	32.02	9.29	33.5	100	165	A	V
		5761.32	49.86	-24.14	74	41.64	32.36	9.44	33.58	100	165	P	V
		5735.96	41.23	-12.77	54	33.02	32.34	9.44	33.57	100	165	A	V
		5458.96	51.88	-22.12	74	44.2	31.94	9.22	33.48	100	280	P	H
		5469.2	43.89	-10.11	54	36.19	31.96	9.22	33.48	100	280	A	H
	*	5610	96.18	-	-	88.24	32.14	9.33	33.53	100	280	P	H
	*	5610	88.51	-	-	80.57	32.14	9.33	33.53	100	280	A	H
802.11ac		5736.36	51.07	-22.93	74	42.86	32.34	9.44	33.57	100	280	P	H
VHT80		5726.36	43.53	-10.47	54	35.35	32.31	9.44	33.57	100	280	A	H
CH 122		5412.24	49.99	-24.01	74	42.4	31.9	9.17	33.48	100	185	P	V
5610MHz		5459.44	41.71	-12.29	54	34.03	31.94	9.22	33.48	100	185	A	V
	*	5610	93.59	-	-	85.65	32.14	9.33	33.53	100	185	P	V
	*	5610	85.63	-	-	77.69	32.14	9.33	33.53	100	185	A	V
		5741.08	50.29	-23.71	74	42.08	32.34	9.44	33.57	100	185	P	V
		5735	42.03	-11.97	54	33.82	32.34	9.44	33.57	100	185	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)
		7375	44.08	-29.92	74	62.45	36.23	10.48	65.08	100	0	P	H
		11060	44.22	-29.78	74	57.28	40.25	13.52	66.83	100	0	P	H
802.11ac		16590	40.91	-33.09	74	48.93	39.14	16.81	63.97	100	0	P	H
VHT80													H
CH 106		7375	41.45	-32.55	74	59.82	36.23	10.48	65.08	100	0	P	V
5530MHz		11060	46.47	-27.53	74	59.53	40.25	13.52	66.83	100	0	P	V
		16590	41.51	-32.49	74	49.53	39.14	16.81	63.97	100	0	P	V
													V
		7480	45.21	-28.79	74	63.3	36.46	10.55	65.1	100	0	P	H
		11220	44.93	-29.07	74	57.57	40.13	13.67	66.44	100	0	P	H
802.11ac		16830	43.04	-30.96	74	50.29	39.82	16.8	63.87	100	0	P	H
VHT80													H
CH 122		7480	42.32	-31.68	74	60.41	36.46	10.55	65.1	100	0	P	V
5610MHz		11220	46.23	-27.77	74	58.87	40.13	13.67	66.44	100	0	P	V
		16830	42.47	-31.53	74	49.72	39.82	16.8	63.87	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5722	103.9	-	-	95.72	32.31	9.44	33.57	100	273	P	H
	*	5722	96.37	-	-	88.19	32.31	9.44	33.57	100	273	A	H
													H
													H
													H
													H
	*	5722	97.46	-	-	89.28	32.31	9.44	33.57	100	194	P	V
	*	5722	91.57	-	-	83.39	32.31	9.44	33.57	100	194	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. 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)
802.11a CH 144 5720MHz		11440	53.02	-20.98	74	65.03	39.95	13.91	65.87	100	258	P	H
		11440	44.5	-9.5	54	56.51	39.95	13.91	65.87	100	258	A	H
		17160	43.43	-30.57	74	49.73	40.8	16.9	64	100	0	P	H
													H
		11440	56.09	-17.91	74	68.1	39.95	13.91	65.87	105	96	P	V
		11440	48.35	-5.65	54	60.36	39.95	13.91	65.87	105	96	A	V
		17160	45.54	-28.46	74	51.84	40.8	16.9	64	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5722	103.66	-	-	95.48	32.31	9.44	33.57	101	271	P	H
	*	5722	95.54	-	-	87.36	32.31	9.44	33.57	101	271	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5721	96.37	-	-	88.24	32.31	9.39	33.57	100	194	P	V
5720MHz	*	5721	89.54	-	-	81.41	32.31	9.39	33.57	100	194	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)
		11440	54.02	-19.98	74	66.03	39.95	13.91	65.87	103	256	P	H
		11440	45.51	-8.49	54	57.52	39.95	13.91	65.87	103	256	A	H
802.11n		17160	44.78	-29.22	74	51.08	40.8	16.9	64	100	0	P	H
HT20													H
CH 144		11440	57.03	-16.97	74	69.04	39.95	13.91	65.87	107	95	P	V
5720MHz		11440	49.34	-4.66	54	61.35	39.95	13.91	65.87	107	95	A	V
		17160	42.92	-31.08	74	49.22	40.8	16.9	64	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+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)
	*	5708	103.38	-	-	95.27	32.29	9.39	33.57	100	270	P	H
	*	5708	95.37	-	-	87.26	32.29	9.39	33.57	100	270	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5708	96.01	-	-	87.9	32.29	9.39	33.57	100	166	P	V
5710MHz	*	5708	89.65	-	-	81.54	32.29	9.39	33.57	100	166	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)
		11420	55.06	-18.94	74	67.14	39.97	13.87	65.92	104	256	P	H
		11420	46.55	-7.45	54	58.63	39.97	13.87	65.92	104	256	A	H
802.11n		17130	42.64	-31.36	74	49.02	40.7	16.88	63.96	100	0	P	H
HT40													H
CH 142		11420	59.4	-14.6	74	71.48	39.97	13.87	65.92	115	97	P	V
5710MHz		11420	50.09	-3.91	54	62.17	39.97	13.87	65.92	115	97	A	V
		17130	36.76	-37.24	74	43.14	40.7	16.88	63.96	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac 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)
	*	5688	96.48	-	-	88.38	32.27	9.39	33.56	100	271	P	H
	*	5688	88.8	-	-	80.7	32.27	9.39	33.56	100	271	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5692	90.08	-	-	81.98	32.27	9.39	33.56	100	185	P	V
5690MHz	*	5692	83.49	-	-	75.39	32.27	9.39	33.56	100	185	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)
		7585	46.84	-27.16	74	64.54	36.6	10.73	65.03	100	249	P	H
		11380	45.42	-28.58	74	57.6	39.99	13.83	66	100	0	P	H
802.11ac		17070	43.28	-30.72	74	49.83	40.5	16.83	63.88	100	0	P	H
VHT80													H
CH 138		7585	44.83	-29.17	74	62.53	36.6	10.73	65.03	302	241	P	V
5690MHz		11380	43.81	-30.19	74	55.99	39.99	13.83	66	100	0	P	V
		17070	43.1	-30.9	74	49.65	40.5	16.83	63.88	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (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)
		41.34	28.91	-11.09	40	48.16	11.9	0.67	31.82			P	H
		108.57	35.21	-8.29	43.5	54.52	11.19	1.28	31.78	173	350	P	H
		152.85	30.85	-12.65	43.5	51.28	9.89	1.46	31.78			P	H
		301.4	25.09	-20.91	46	41.68	13.06	2.11	31.76			P	H
		415.5	22.72	-23.28	46	35.6	16.52	2.41	31.81			P	H
		760.6	21.86	-24.14	46	30.88	19.7	3.25	31.97			P	H
													H
													H
													H
													H
													H
802.11a													H
LF		41.61	38.91	-1.09	40	58.32	11.73	0.67	31.81	312	80	P	V
		56.46	35.68	-4.32	40	60.63	5.81	1.04	31.8			P	V
		177.15	28.62	-14.88	43.5	50.3	8.46	1.64	31.78			P	V
		423.2	20.94	-25.06	46	33.71	16.64	2.41	31.82			P	V
		755.7	22.05	-23.95	46	31.03	19.74	3.25	31.97			P	V
		903.4	29.29	-16.71	46	37.05	20.1	3.55	31.41			P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

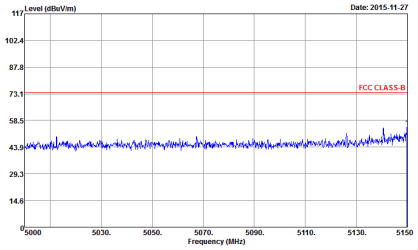
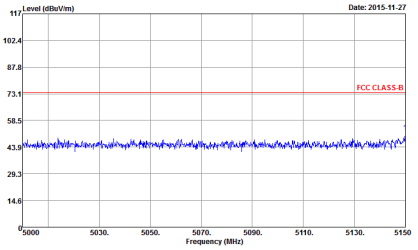
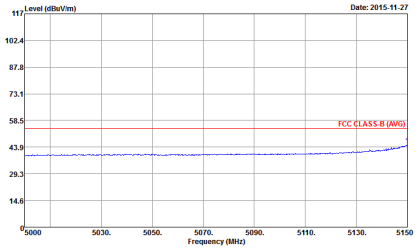
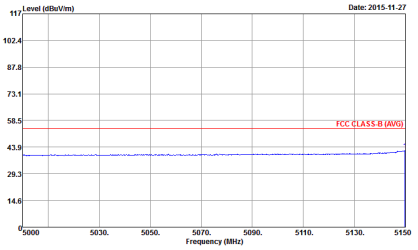
Both peak and average measured complies with the limit line, so test result is "PASS".

Appendix C. Radiated Spurious Emission

Test Engineer :	Bill Chang, Ken Wu, and J.C. Liang	**Temperature :**	20~23℃
		Humidity :	54~56%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5149.85	54.78	-19.22	74.00	47.72	31.58	8.95	33.47	100	280	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 1

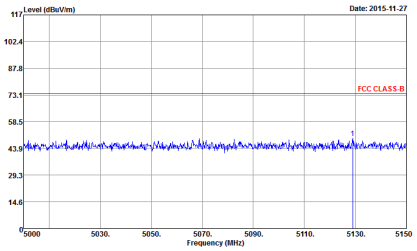
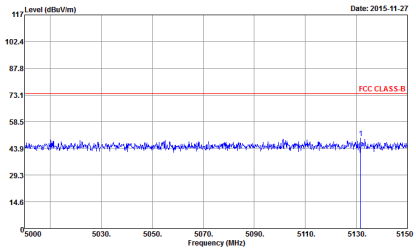
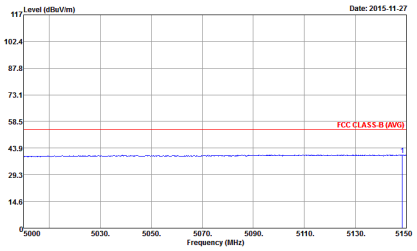
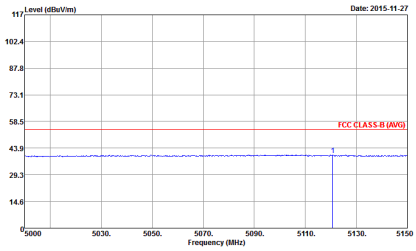
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5150.00	52.01	-21.99	74.00	44.95	31.58	8.95	33.47	104	184	Peak

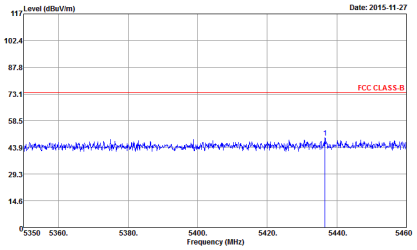
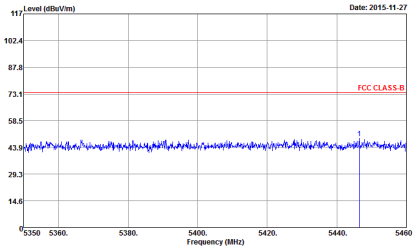
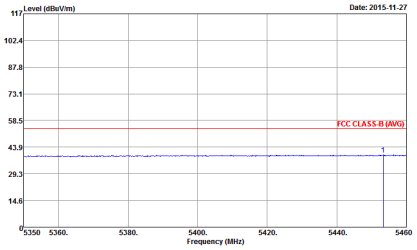
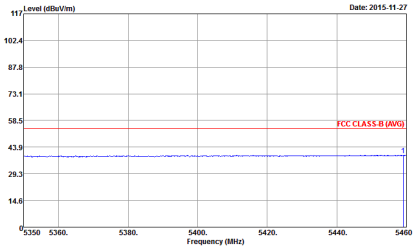
Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:1.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 1

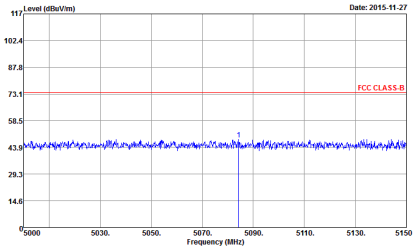
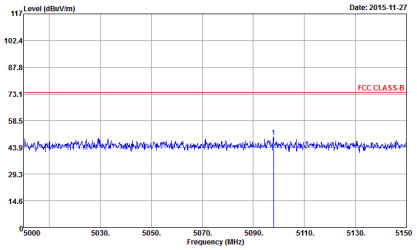
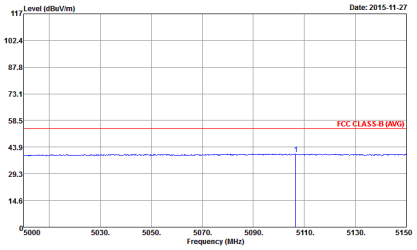
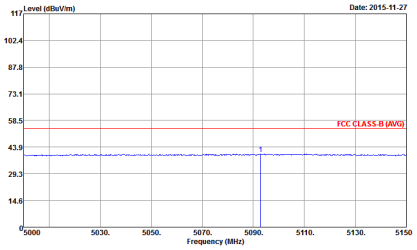
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5150.00	45.01	-8.99	54.00	37.95	31.58	8.95	33.47	100	280	Average

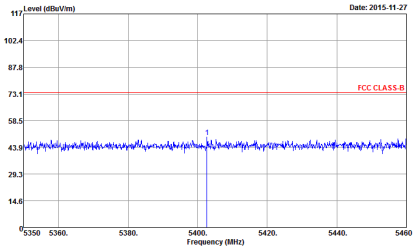
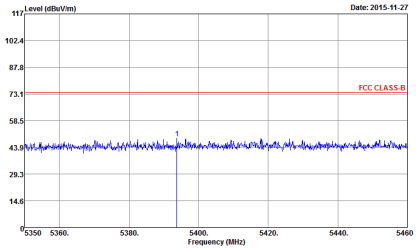
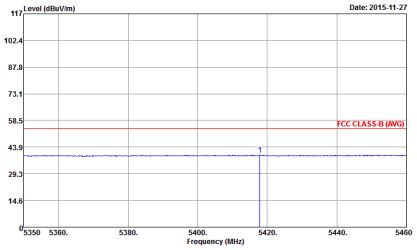
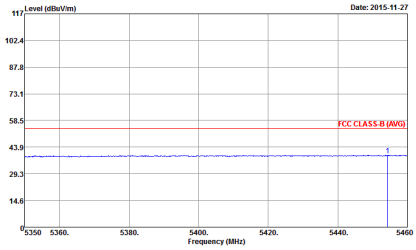
Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:1.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5149.85	41.93	-12.07	54.00	34.87	31.58	8.95	33.47	104	184	Average

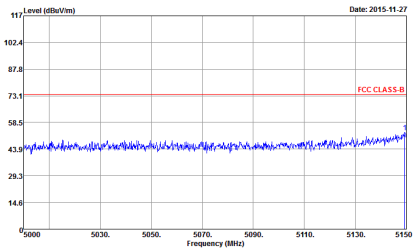
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5129.00 49.64 -24.36 74.00 42.60 31.56 8.95 33.47 100 270 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5131.70 49.52 -24.48 74.00 42.48 31.56 8.95 33.47 100 183 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5148.35 40.17 -13.83 54.00 33.11 31.58 8.95 33.47 100 270 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5120.75 40.16 -13.84 54.00 33.17 31.54 8.92 33.47 100 183 Average

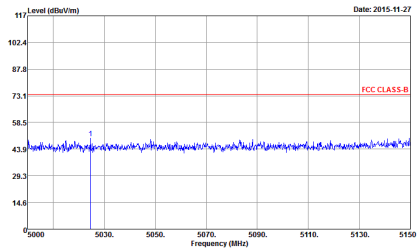
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5436.57 49.10 -24.90 74.00 41.49 31.92 9.17 33.48 100 270 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5446.47 48.76 -25.24 74.00 41.08 31.94 9.22 33.48 100 183 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5453.29 39.61 -14.39 54.00 31.93 31.94 9.22 33.48 100 270 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5459.12 39.55 -14.45 54.00 31.87 31.94 9.22 33.48 100 183 Average

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5084.30 48.32 -25.68 74.00 41.37 31.50 8.92 33.47 100 270 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5097.95 49.50 -24.50 74.00 42.53 31.52 8.92 33.47 100 181 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5106.65 40.12 -13.88 54.00 33.13 31.54 8.92 33.47 100 270 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5092.85 40.16 -13.84 54.00 33.19 31.52 8.92 33.47 100 181 Average

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5402.69 49.41 -24.59 74.00 41.84 31.88 9.17 33.48 100 270 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5393.78 49.00 -25.00 74.00 41.49 31.86 9.13 33.48 100 181 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5417.87 39.63 -14.37 54.00 32.04 31.90 9.17 33.48 100 270 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 3 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5454.28 39.49 -14.51 54.00 31.81 31.94 9.22 33.48 100 181 Average

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

<table>
<tr><td>WIFI</td><td colspan="2">Band 1 5150~5250MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11n HT20 CH36 5180MHz</td></tr>
<tr><td>1+2</td><td>Horizontal</td><td>Vertical</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 13
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr>
<tr><td>1</td><td>5149.40</td><td>52.96</td><td>-21.04</td><td>74.00</td><td>45.90</td><td>31.58</td><td>8.95</td><td>33.47</td><td>100</td><td>281</td><td>Peak</td></tr>
</table></td><td> 

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 13
<table>
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<tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr>
<tr><td>1</td><td>5024.60</td><td>49.97</td><td>-24.03</td><td>74.00</td><td>43.14</td><td>31.44</td><td>8.86</td><td>33.47</td><td>100</td><td>205</td><td>Peak</td></tr>
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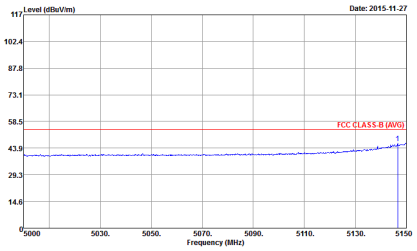
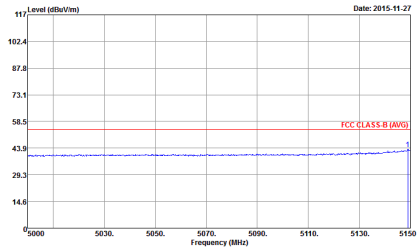
<tr><td>Avg.</td><td> 

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 13
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr>
<tr><td>1</td><td>5146.55</td><td>46.65</td><td>-7.35</td><td>54.00</td><td>39.59</td><td>31.58</td><td>8.95</td><td>33.47</td><td>100</td><td>281</td><td>Average</td></tr>
</table></td><td> 

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 13
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr>
<tr><td>1</td><td>5148.95</td><td>43.22</td><td>-10.78</td><td>54.00</td><td>36.16</td><td>31.58</td><td>8.95</td><td>33.47</td><td>100</td><td>205</td><td>Average</td></tr>
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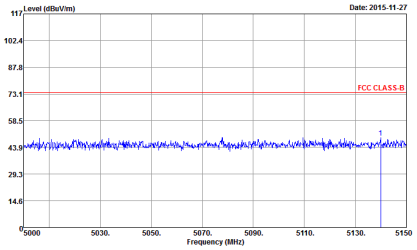
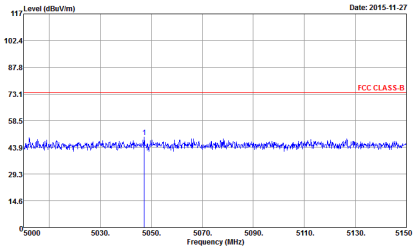
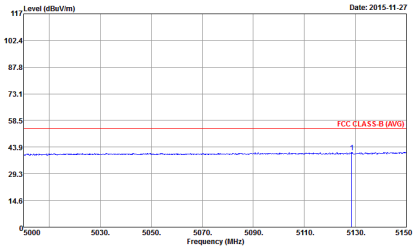
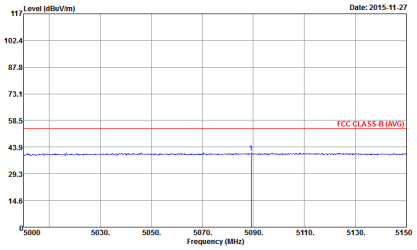
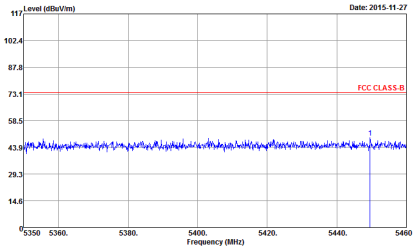
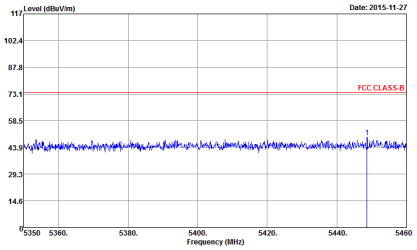
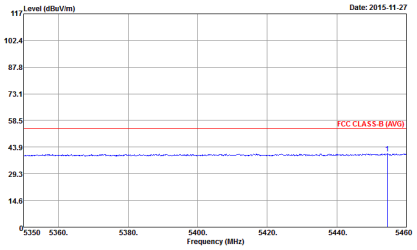
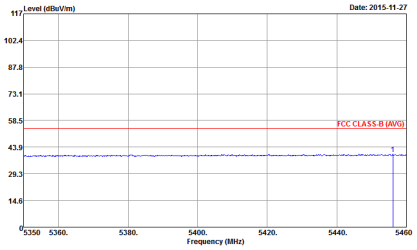
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 14 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5139.95 49.30 -24.70 74.00 42.24 31.58 8.95 33.47 100 281 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 14 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5047.25 49.54 -24.46 74.00 42.66 31.46 8.89 33.47 100 203 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 14 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5128.55 41.19 -12.81 54.00 34.15 31.56 8.95 33.47 100 281 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 14 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5089.10 40.89 -13.11 54.00 33.92 31.52 8.92 33.47 100 203 Average

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 14

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5449.55	49.10	-24.90	74.00	41.42	31.94	9.22	33.48	100	281	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 14

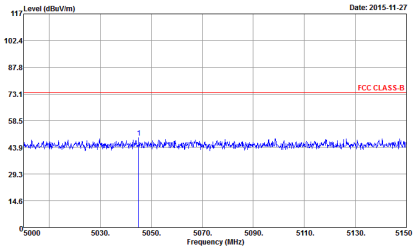
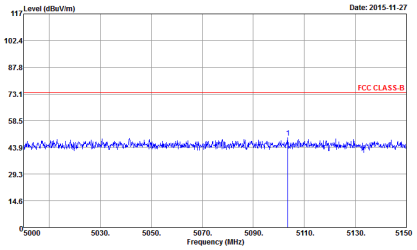
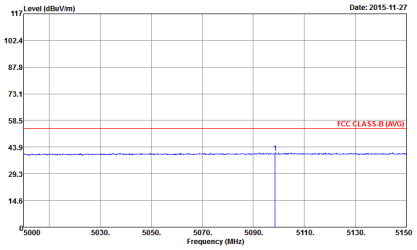
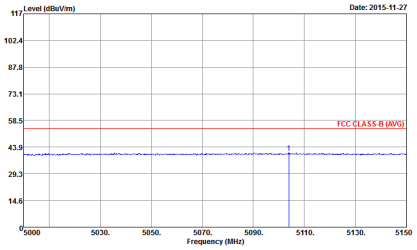
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5448.67	49.51	-24.49	74.00	41.83	31.94	9.22	33.48	100	203	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 14

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5454.50	40.34	-13.66	54.00	32.66	31.94	9.22	33.48	100	281	Average

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 14

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5456.15	39.95	-14.05	54.00	32.27	31.94	9.22	33.48	100	203	Average

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 15

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5045.15	49.18	-24.82	74.00	42.30	31.46	8.89	33.47	100	280	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 15

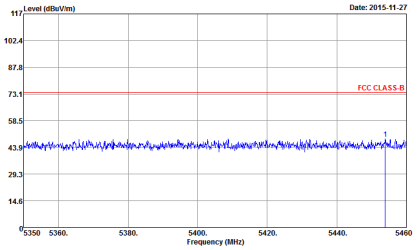
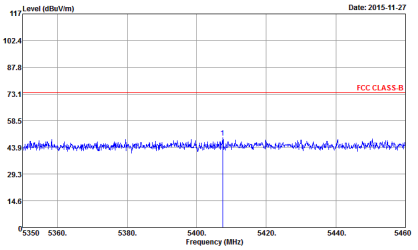
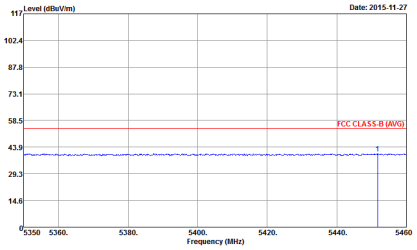
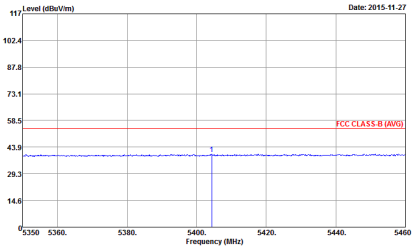
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5103.50	49.12	-24.88	74.00	42.15	31.52	8.92	33.47	100	202	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 15

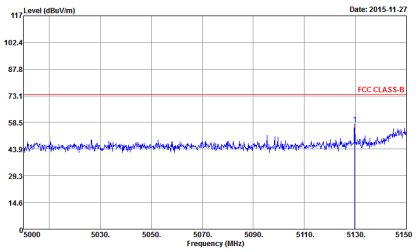
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5098.55	40.83	-13.17	54.00	33.86	31.52	8.92	33.47	100	280	Average

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 15

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5103.95	40.87	-13.13	54.00	33.90	31.52	8.92	33.47	100	202	Average

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 15 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5453.95 48.71 -25.29 74.00 41.03 31.94 9.22 33.48 100 280 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 15 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5407.53 49.09 -24.91 74.00 41.52 31.88 9.17 33.48 100 202 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 15 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5451.75 40.34 -13.66 54.00 32.66 31.94 9.22 33.48 100 280 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 15 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5404.34 40.00 -14.00 54.00 32.43 31.88 9.17 33.48 100 202 Average

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

<table>
<tr><td>WIFI</td><td colspan="2">Band 1 5150~5250MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11n HT40 CH38 5190MHz - L</td></tr>
<tr><td>1+2</td><td>Horizontal</td><td>Vertical</td></tr>
<tr><td>Peak</td><td>


Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 25
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<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5129.75</td><td>57.58</td><td>-16.42</td><td>74.00</td><td>50.54</td><td>31.56</td><td>8.95</td><td>33.47</td><td>100</td><td>294</td><td>Peak</td></tr>
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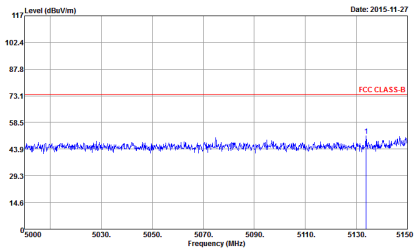

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 25
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5133.80</td><td>51.15</td><td>-22.85</td><td>74.00</td><td>44.11</td><td>31.56</td><td>8.95</td><td>33.47</td><td>100</td><td>172</td><td>Peak</td></tr>
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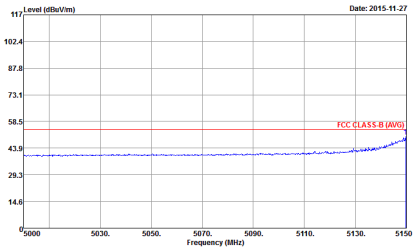

Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 25
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5149.70</td><td>50.16</td><td>-3.84</td><td>54.00</td><td>43.10</td><td>31.58</td><td>8.95</td><td>33.47</td><td>100</td><td>294</td><td>Average</td></tr>
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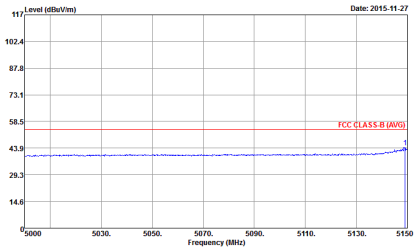

Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 25
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5149.10</td><td>44.47</td><td>-9.53</td><td>54.00</td><td>37.41</td><td>31.58</td><td>8.95</td><td>33.47</td><td>100</td><td>172</td><td>Average</td></tr>
</table>
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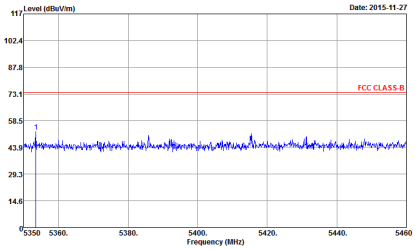
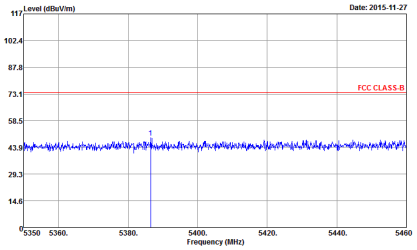
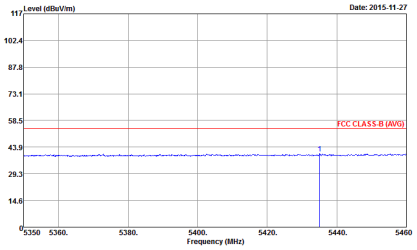
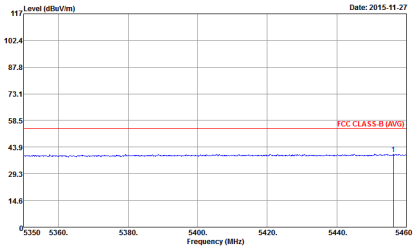
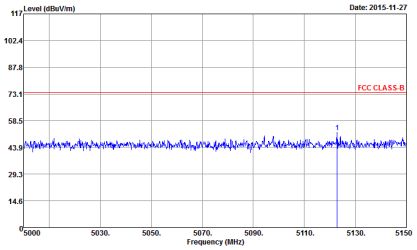
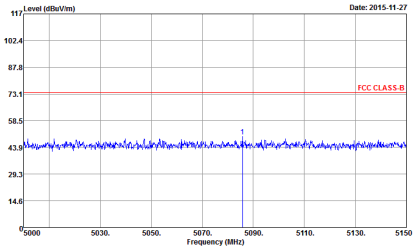
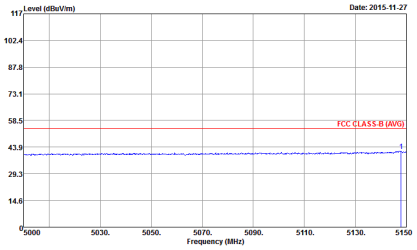
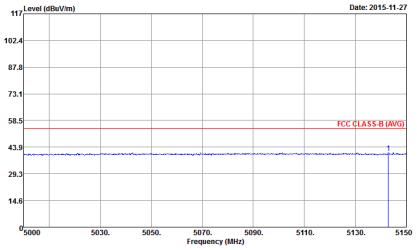
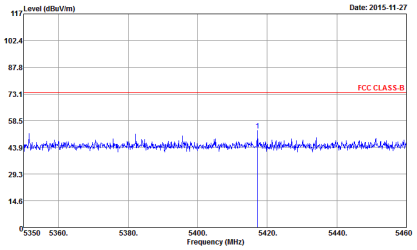
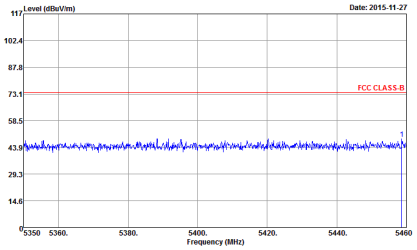
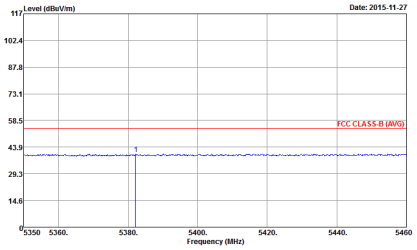
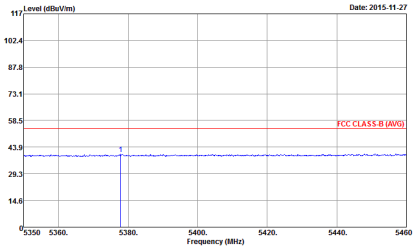
</table>

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 25 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5353.52 52.48 -21.52 74.00 45.06 31.82 9.08 33.48 100 294 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 25 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5386.52 49.35 -24.65 74.00 41.84 31.86 9.13 33.48 100 172 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 25 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5435.03 40.29 -13.71 54.00 32.68 31.92 9.17 33.48 100 294 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 25 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5456.26 40.00 -14.00 54.00 32.32 31.94 9.22 33.48 100 172 Average

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 26 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5122.85 52.27 -21.73 74.00 45.23 31.56 8.95 33.47 100 296 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 26 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5085.80 49.88 -24.12 74.00 42.93 31.50 8.92 33.47 100 173 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 26 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5147.90 41.72 -12.28 54.00 34.66 31.58 8.95 33.47 100 296 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 26 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5142.95 40.73 -13.27 54.00 33.67 31.58 8.95 33.47 100 173 Average

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 26

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5417.21	53.10	-20.90	74.00	45.51	31.90	9.17	33.48	100	296	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 26

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5458.68	48.62	-25.38	74.00	40.94	31.94	9.22	33.48	100	173	Peak

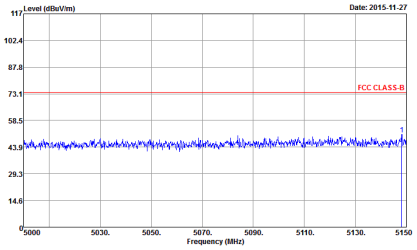
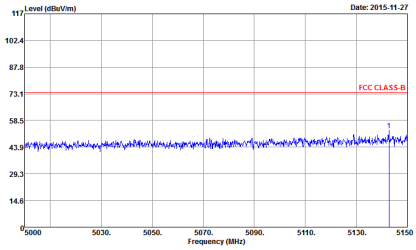
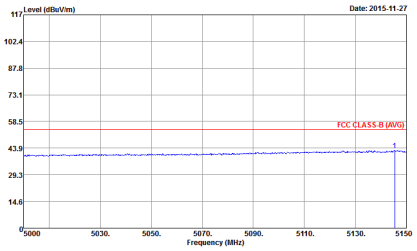
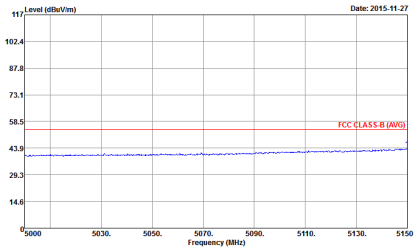
Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 26

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5382.23	40.17	-13.83	54.00	32.66	31.86	9.13	33.48	100	296	Average

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 26

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5377.83	40.17	-13.83	54.00	32.66	31.86	9.13	33.48	100	173	Average

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

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 34

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	5148.20	50.89	-23.11	74.00	43.83	31.58	8.95	33.47	174	161 Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 34

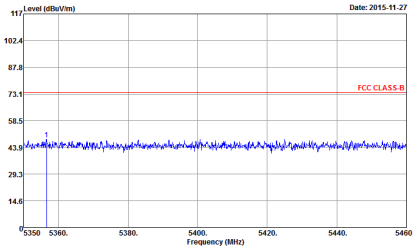
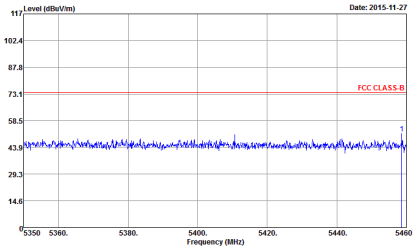
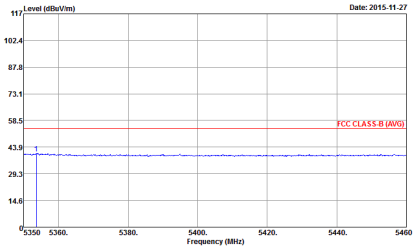
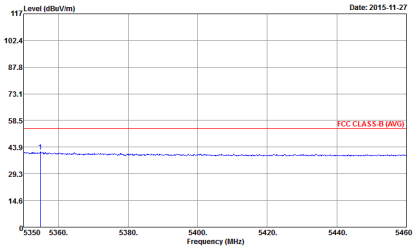
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	5142.80	53.06	-20.94	74.00	46.00	31.58	8.95	33.47	100	268 Peak

Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 34

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	5145.35	42.66	-11.34	54.00	35.60	31.58	8.95	33.47	174	161 Average

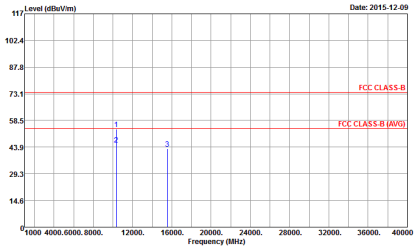
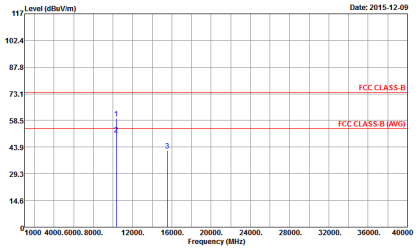
Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 34

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	5150.00	43.58	-10.42	54.00	36.52	31.58	8.95	33.47	100	268 Average

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 34 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5356.60 48.34 -25.66 74.00 40.92 31.82 9.08 33.48 174 161 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 34 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5458.68 51.61 -22.39 74.00 43.93 31.94 9.22 33.48 100 268 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 34 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5353.63 40.33 -13.67 54.00 32.91 31.82 9.08 33.48 174 161 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 34 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5354.84 41.31 -12.69 54.00 33.89 31.82 9.08 33.48 100 268 Average

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

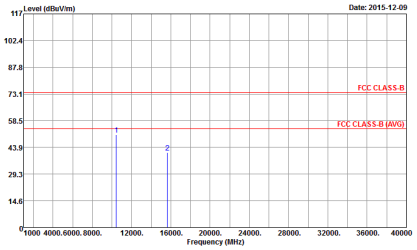
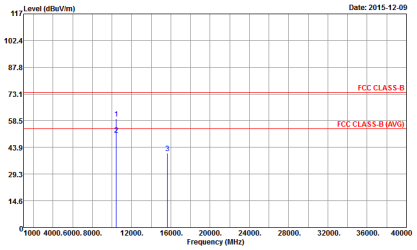
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 1
: 9.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10360.00	53.64	-20.36	74.00	68.26	39.79	13.09	67.50	100	305	Peak
2	10360.00	45.38	-8.62	54.00	60.00	39.79	13.09	67.50	100	305	Average
3	15540.00	43.14	-30.86	74.00	53.38	38.60	16.55	65.39	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 1
: 9.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10360.00	59.74	-14.26	74.00	74.36	39.79	13.09	67.50	100	279	Peak
2	10360.00	50.68	-3.32	54.00	65.30	39.79	13.09	67.50	100	279	Average
3	15540.00	41.95	-32.05	74.00	52.19	38.60	16.55	65.39	100	0	Peak

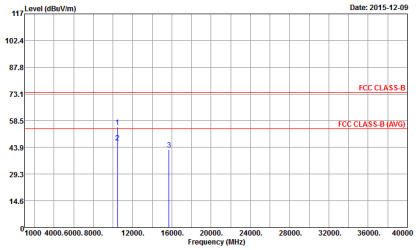
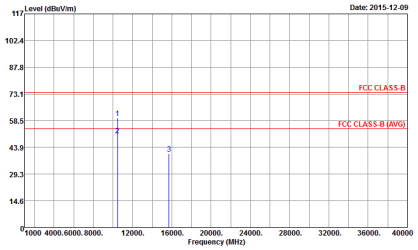
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10440.00	50.83	-23.17	74.00	65.33	39.89	13.11	67.50	100	0	Peak
2	15660.00	41.16	-32.84	74.00	51.74	38.23	16.56	65.37	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10440.00	59.67	-14.33	74.00	74.17	39.89	13.11	67.50	100	273	Peak
2	10440.00	50.91	-3.09	54.00	65.41	39.89	13.11	67.50	100	273	Average
3	15660.00	40.61	-33.39	74.00	51.19	38.23	16.56	65.37	100	0	Peak

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

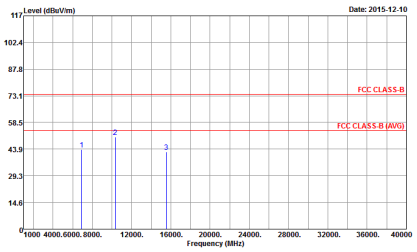
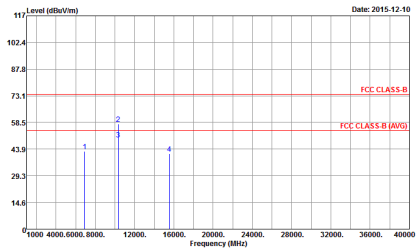
Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 3
: 9

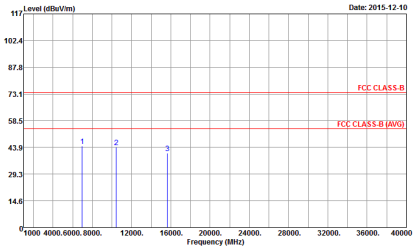
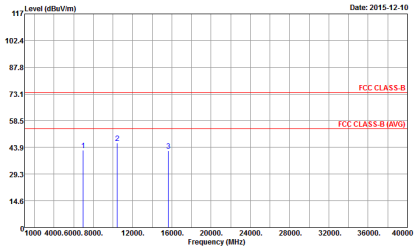
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10480.00	55.10	-18.90	74.00	69.52	39.97	13.11	67.50	100	301	Peak
2	10480.00	46.75	-7.25	54.00	61.17	39.97	13.11	67.50	100	301	Average
3	15720.00	42.61	-31.39	74.00	53.37	38.03	16.57	65.36	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 3
: 9

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10480.00	59.97	-14.03	74.00	74.39	39.97	13.11	67.50	100	273	Peak
2	10480.00	50.67	-3.33	54.00	65.09	39.97	13.11	67.50	100	273	Average
3	15720.00	40.28	-33.72	74.00	51.04	38.03	16.57	65.36	100	0	Peak

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 13 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 6906.00 43.81 -30.19 74.00 63.41 35.13 10.10 64.83 296 39 Peak 2 10360.00 50.41 -23.59 74.00 65.83 39.79 13.09 67.50 100 0 Peak 3 15540.00 42.32 -31.68 74.00 52.56 38.60 16.55 65.39 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 13 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 6906.00 42.67 -31.33 74.00 62.27 35.13 10.10 64.83 304 101 Peak 2 10360.00 57.75 -16.25 74.00 72.37 39.79 13.09 67.50 100 274 Peak 3 10360.00 49.29 -4.71 54.00 63.91 39.79 13.09 67.50 100 274 Average 4 15540.00 41.36 -32.64 74.00 51.60 38.60 16.55 65.39 100 0 Peak

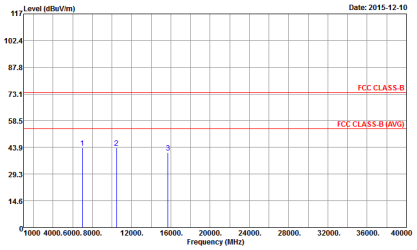
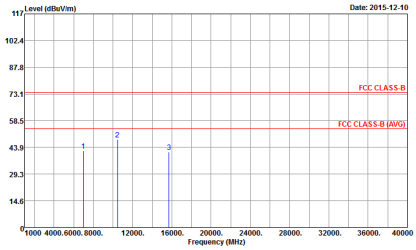
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 14

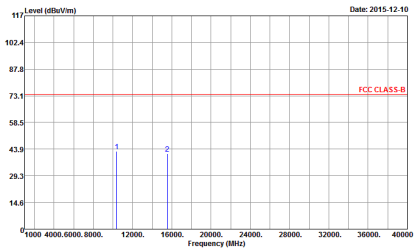
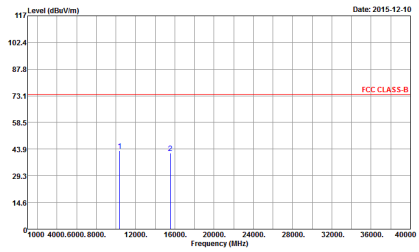
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	6960.00	44.66	-29.34	74.00	64.18	35.31	10.11	64.94	254	319	Peak
2	10440.00	43.93	-30.07	74.00	58.43	39.89	13.11	67.50	100	0	Peak
3	15660.00	40.74	-33.26	74.00	51.32	38.23	16.56	65.37	100	0	Peak

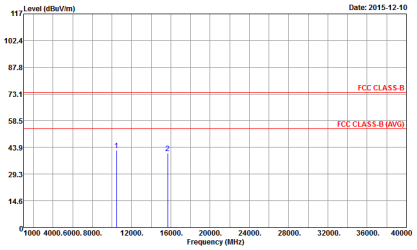
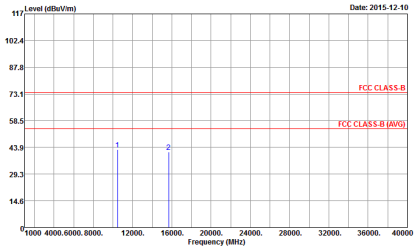
Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 14

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	6960.00	42.28	-31.72	74.00	61.80	35.31	10.11	64.94	345	202	Peak
2	10440.00	46.34	-27.66	74.00	60.84	39.89	13.11	67.50	100	0	Peak
3	15660.00	41.94	-32.06	74.00	52.52	38.23	16.56	65.37	100	0	Peak

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 15 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 6984.00 43.63 -30.37 74.00 63.12 35.36 10.12 64.97 385 0 Peak 2 10480.00 43.83 -30.17 74.00 58.25 39.97 13.11 67.50 100 0 Peak 3 15720.00 40.93 -33.07 74.00 51.69 38.03 16.57 65.36 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 15 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 6984.00 42.16 -31.84 74.00 61.65 35.36 10.12 64.97 380 286 Peak 2 10480.00 48.16 -25.84 74.00 62.58 39.97 13.11 67.50 100 0 Peak 3 15720.00 41.33 -32.67 74.00 52.09 38.03 16.57 65.36 100 0 Peak

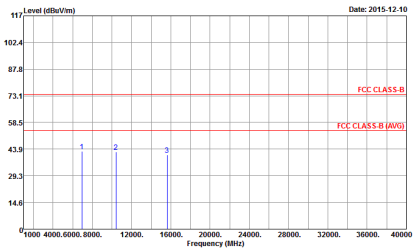
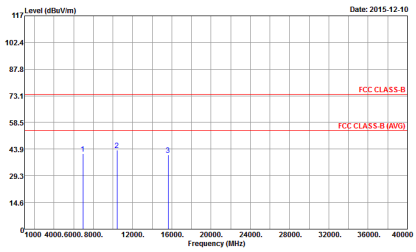
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 25 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10380.00 42.84 -31.16 74.00 57.44 39.81 13.09 67.50 100 0 Peak 2 15570.00 41.33 -32.67 74.00 51.68 38.49 16.55 65.39 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 25 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10380.00 42.99 -31.01 74.00 57.59 39.81 13.09 67.50 100 0 Peak 2 15570.00 41.82 -32.18 74.00 52.17 38.49 16.55 65.39 100 0 Peak

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 26 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 10460.00 42.50 -31.50 74.00 56.97 39.92 13.11 67.50 100 0 Peak 2 15690.00 40.82 -33.18 74.00 51.49 38.13 16.56 65.36 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 26 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 10460.00 42.73 -31.27 74.00 57.20 39.92 13.11 67.50 100 0 Peak 2 15690.00 41.35 -32.65 74.00 52.02 38.13 16.56 65.36 100 0 Peak

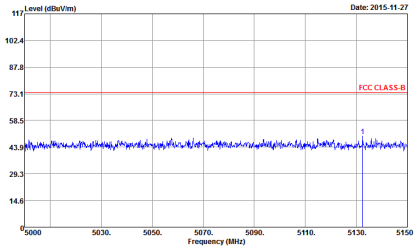
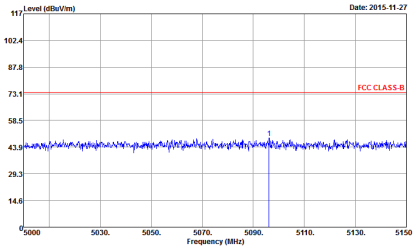
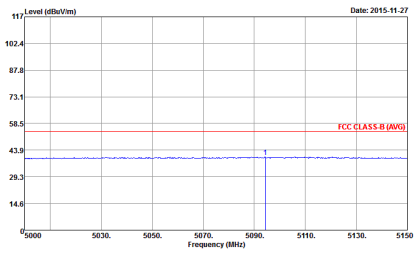
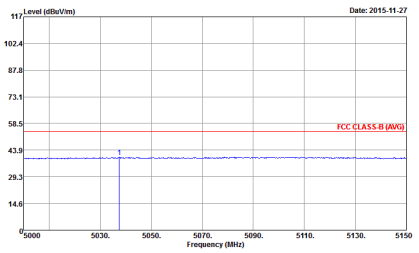
Band 1 5150~5250MHz

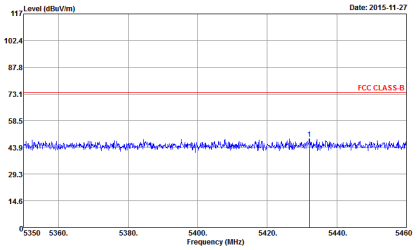
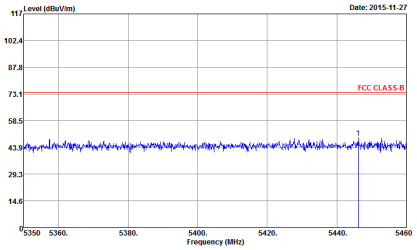
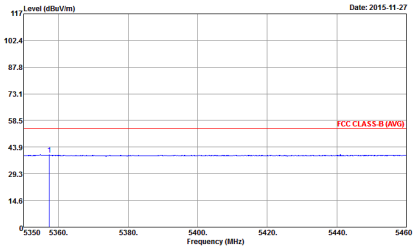
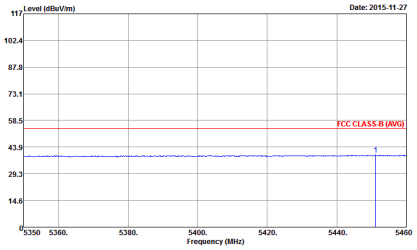
WIFI 802.11ac VHT80 (Harmonic @ 3m)

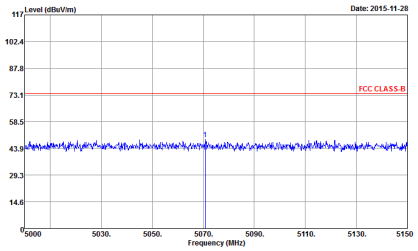
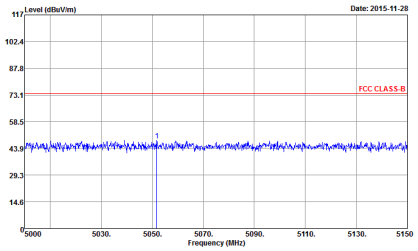
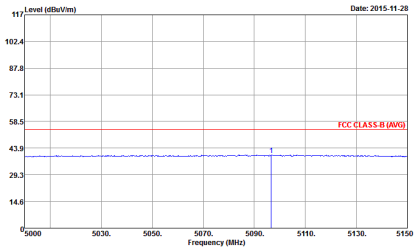
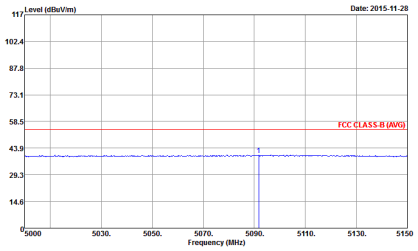
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 34 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 6948.00 42.84 -31.16 74.00 62.38 35.27 10.11 64.92 100 0 Peak 2 10420.00 42.32 -31.68 74.00 56.85 39.87 13.10 67.50 100 0 Peak 3 15630.00 40.81 -33.19 74.00 51.34 38.29 16.55 65.37 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 34 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 6948.00 41.49 -32.51 74.00 61.03 35.27 10.11 64.92 100 0 Peak 2 10420.00 43.25 -30.75 74.00 57.78 39.87 13.10 67.50 100 0 Peak 3 15630.00 40.63 -33.37 74.00 51.16 38.29 16.55 65.37 100 0 Peak

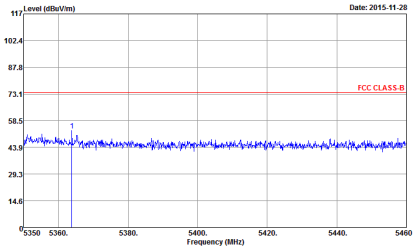
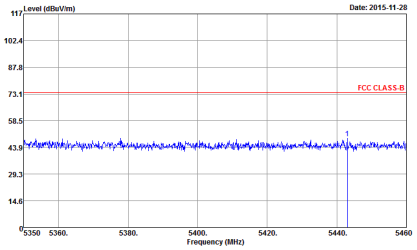
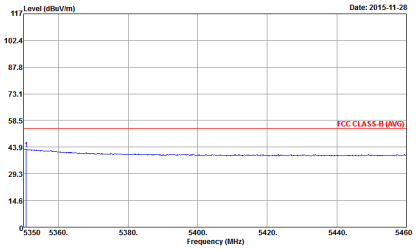
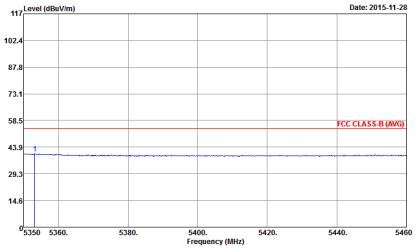
Band 2 - 5250~5350MHz

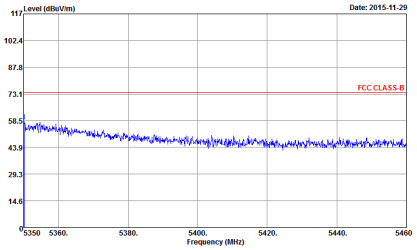
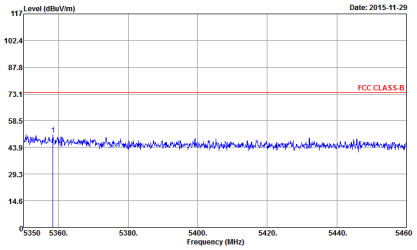
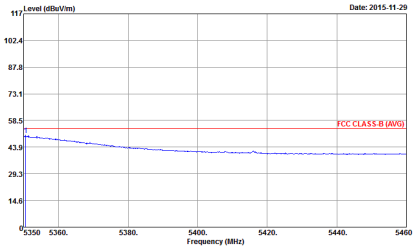
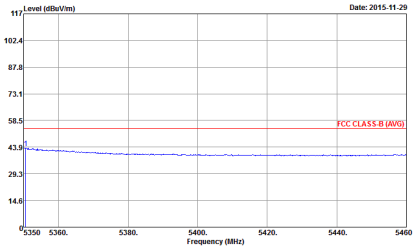
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5132.45 49.75 -24.25 74.00 42.71 31.56 8.95 33.47 100 284 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5096.15 48.80 -25.20 74.00 41.83 31.52 8.92 33.47 100 182 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5094.35 40.14 -13.86 54.00 33.17 31.52 8.92 33.47 100 284 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5037.50 40.08 -13.92 54.00 33.23 31.46 8.86 33.47 100 182 Average

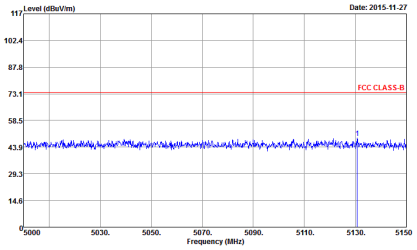
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5432.17 48.70 -25.30 74.00 41.09 31.92 9.17 33.48 100 284 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5446.14 49.18 -24.82 74.00 41.50 31.94 9.22 33.48 100 182 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5357.37 39.62 -14.38 54.00 32.20 31.82 9.08 33.48 100 284 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 4 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5451.09 39.73 -14.27 54.00 32.05 31.94 9.22 33.48 100 182 Average

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5070.80 48.86 -25.14 74.00 41.96 31.48 8.89 33.47 100 269 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5051.75 48.21 -25.79 74.00 41.33 31.46 8.89 33.47 100 179 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5096.60 40.10 -13.90 54.00 33.13 31.52 8.92 33.47 100 269 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5091.80 40.09 -13.91 54.00 33.12 31.52 8.92 33.47 100 179 Average

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5363.86 53.25 -20.75 74.00 45.76 31.84 9.13 33.48 100 269 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5442.95 49.00 -25.00 74.00 41.34 31.92 9.22 33.48 100 179 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5350.77 42.73 -11.27 54.00 35.31 31.82 9.08 33.48 100 269 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5353.19 40.26 -13.74 54.00 32.84 31.82 9.08 33.48 100 179 Average

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 6 Setting : 6.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5350.11 57.90 -16.10 74.00 50.48 31.82 9.08 33.48 100 270 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 6 Setting : 6.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5358.47 50.90 -23.10 74.00 43.48 31.82 9.08 33.48 100 183 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 6 Setting : 6.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5350.55 50.40 -3.60 54.00 42.98 31.82 9.08 33.48 100 270 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 6 Setting : 6.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5350.55 43.44 -10.56 54.00 36.02 31.82 9.08 33.48 100 183 Average

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

<table>
<tr><td>WIFI</td><td colspan="2">Band 2 5250~5350MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11n HT20 CH52 5260MHz - L</td></tr>
<tr><td>1+2</td><td>Horizontal</td><td>Vertical</td></tr>
<tr><td>Peak</td><td>


Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 16
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5130.80</td><td>48.75</td><td>-25.25</td><td>74.00</td><td>41.71</td><td>31.56</td><td>8.95</td><td>33.47</td><td>100</td><td>280</td><td>Peak</td></tr>
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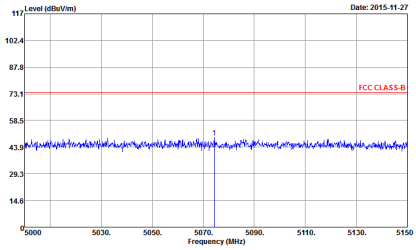

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 16
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5074.40</td><td>49.12</td><td>-24.88</td><td>74.00</td><td>42.20</td><td>31.50</td><td>8.89</td><td>33.47</td><td>100</td><td>174</td><td>Peak</td></tr>
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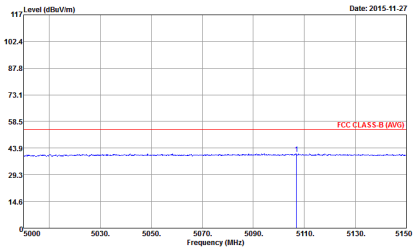

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 16
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5106.95</td><td>40.75</td><td>-13.25</td><td>54.00</td><td>33.76</td><td>31.54</td><td>8.92</td><td>33.47</td><td>100</td><td>280</td><td>Average</td></tr>
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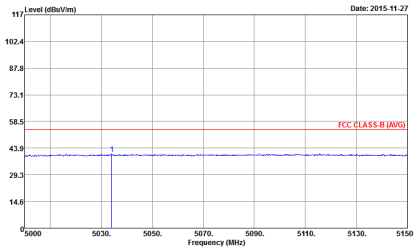

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 16
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5034.20</td><td>40.69</td><td>-13.31</td><td>54.00</td><td>33.86</td><td>31.44</td><td>8.86</td><td>33.47</td><td>100</td><td>174</td><td>Average</td></tr>
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</td></tr>
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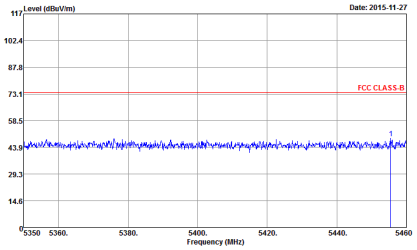
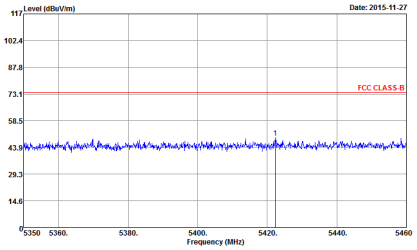
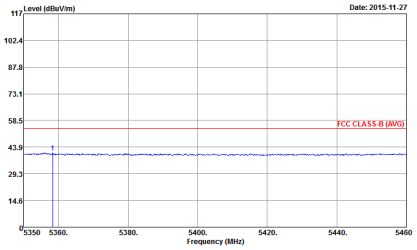
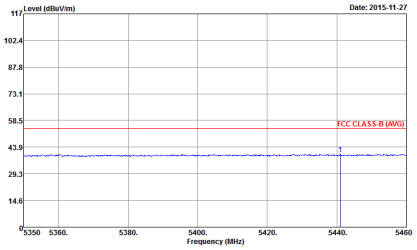
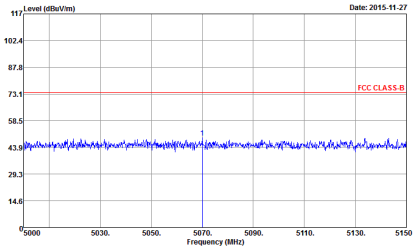
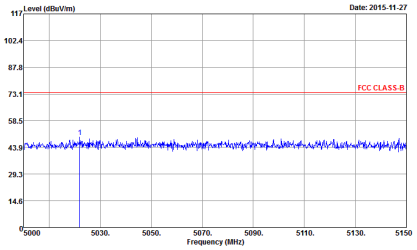
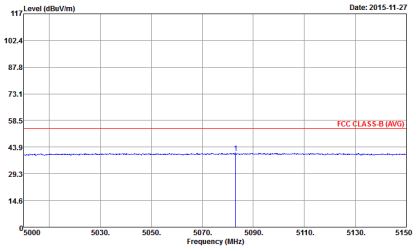
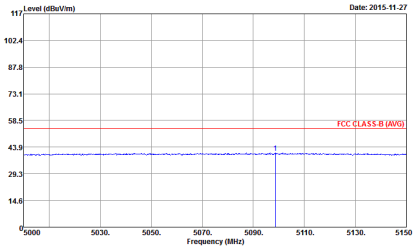
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5455.49 48.81 -25.19 74.00 41.13 31.94 9.22 33.48 100 280 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5422.38 49.30 -24.70 74.00 41.71 31.90 9.17 33.48 100 174 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5358.36 40.67 -13.33 54.00 33.25 31.82 9.08 33.48 100 280 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5441.08 40.07 -13.93 54.00 32.46 31.92 9.17 33.48 100 174 Average

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 17

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5070.05	49.35	-24.65	74.00	42.45	31.48	8.89	33.47	100	287	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 17

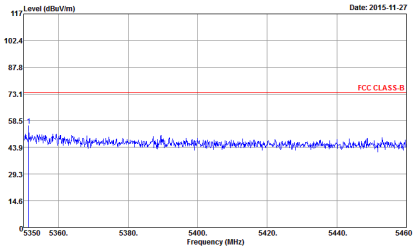
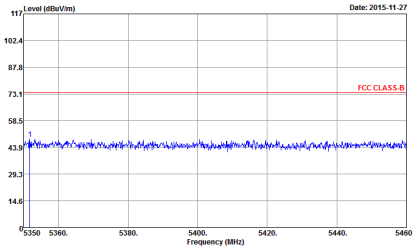
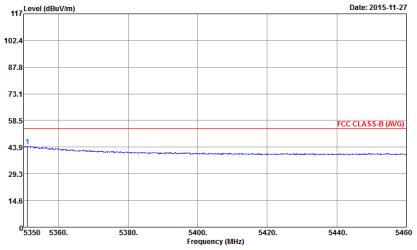
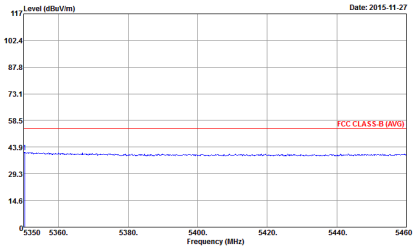
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5022.05	49.41	-24.59	74.00	42.58	31.44	8.86	33.47	100	192	Peak

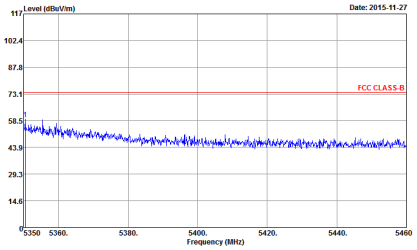
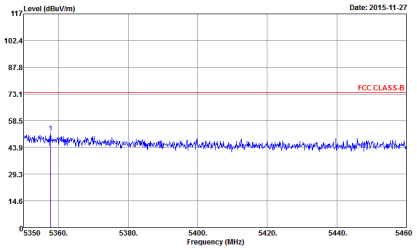
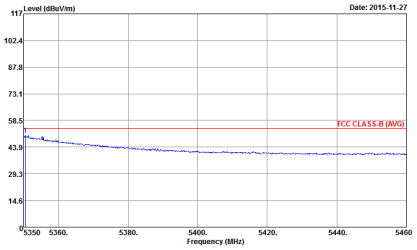
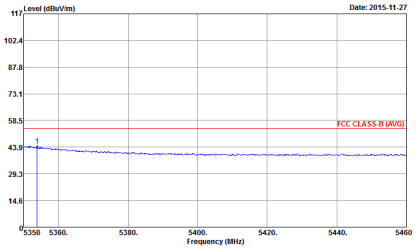
Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 17

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5083.10	40.74	-13.26	54.00	33.79	31.50	8.92	33.47	100	287	Average

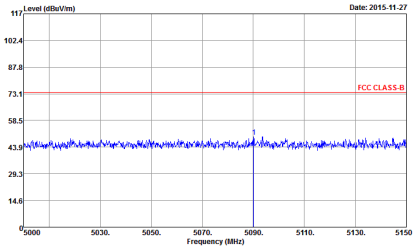
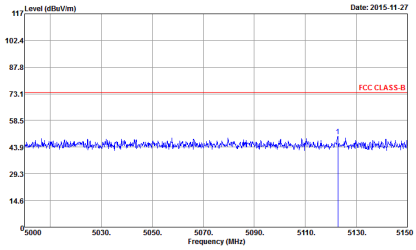
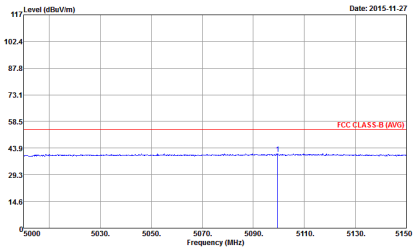
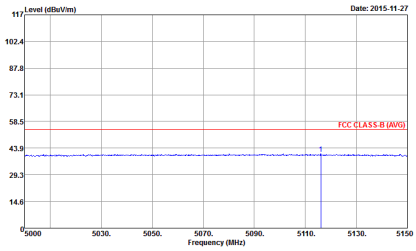
Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 17

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5098.70	40.68	-13.32	54.00	33.71	31.52	8.92	33.47	100	192	Average

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5351.43 55.70 -18.30 74.00 48.28 31.82 9.08 33.48 100 287 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5351.76 48.62 -25.38 74.00 41.20 31.82 9.08 33.48 100 192 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5351.10 44.34 -9.66 54.00 36.92 31.82 9.08 33.48 100 287 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5350.33 40.99 -13.01 54.00 33.57 31.82 9.08 33.48 100 192 Average

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 18 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5350.44 59.42 -14.58 74.00 52.00 31.82 9.08 33.48 100 287 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 18 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5357.70 51.91 -22.09 74.00 44.49 31.82 9.08 33.48 100 184 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 18 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5350.44 50.49 -3.51 54.00 43.07 31.82 9.08 33.48 100 287 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 18 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5353.85 44.71 -9.29 54.00 37.29 31.82 9.08 33.48 100 184 Average

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

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 27

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5090.15	49.67	-24.33	74.00	42.70	31.52	8.92	33.47	100	291	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 27

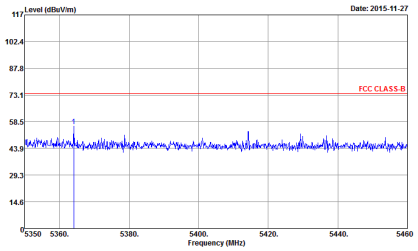
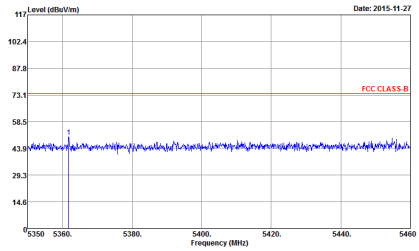
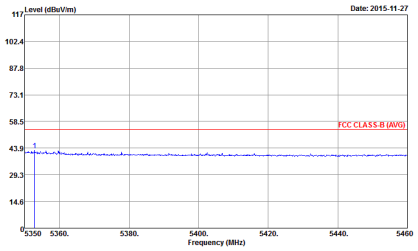
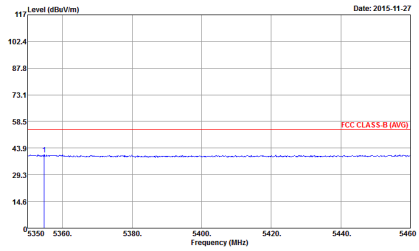
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5122.70	49.89	-24.11	74.00	42.85	31.56	8.95	33.47	107	195	Peak

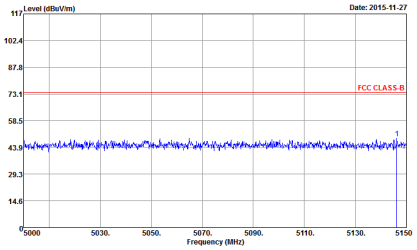
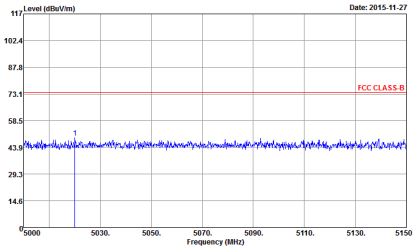
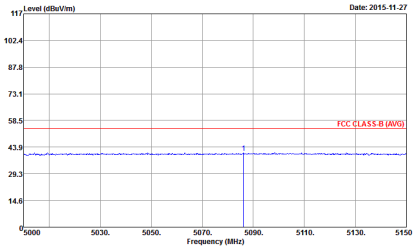
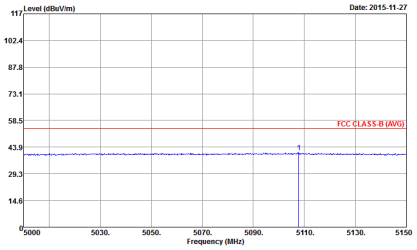
Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 27

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5099.45	40.85	-13.15	54.00	33.88	31.52	8.92	33.47	100	291	Average

Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 27

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5116.10	40.70	-13.30	54.00	33.71	31.54	8.92	33.47	107	195	Average

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 27 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5364.08 56.17 -17.83 74.00 48.68 31.84 9.13 33.48 100 291 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 27 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5361.77 50.07 -23.93 74.00 42.58 31.84 9.13 33.48 107 195 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 27 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5352.86 42.65 -11.35 54.00 35.23 31.82 9.08 33.48 100 291 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 27 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5354.73 40.35 -13.65 54.00 32.93 31.82 9.08 33.48 107 195 Average

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5146.25	48.95	-25.05	74.00	41.89	31.58	8.95	33.47	100	289	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

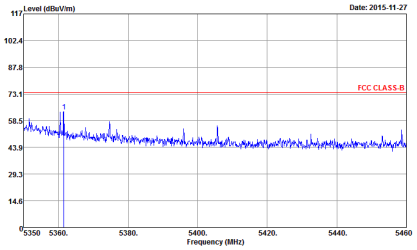
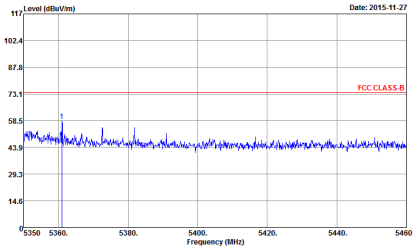
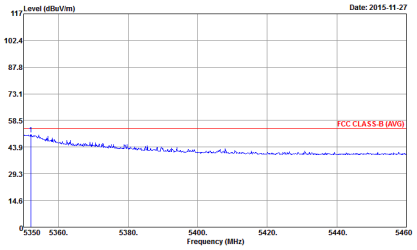
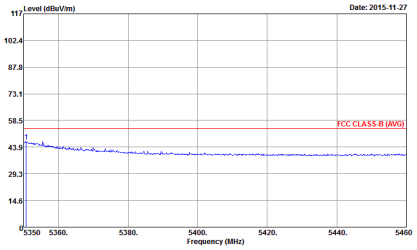
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5020.10	49.09	-24.91	74.00	42.28	31.42	8.86	33.47	100	195	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5086.10	40.81	-13.19	54.00	33.86	31.50	8.92	33.47	100	289	Average

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5107.85	41.06	-12.94	54.00	34.07	31.54	8.92	33.47	100	195	Average

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5361.55	63.39	-10.61	74.00	55.95	31.84	9.08	33.48	100	289	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5361.00	58.19	-15.81	74.00	50.75	31.84	9.08	33.48	100	195	Peak

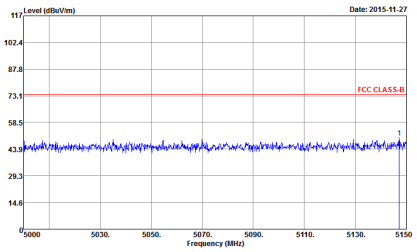
Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5352.09	50.83	-3.17	54.00	43.41	31.82	9.08	33.48	100	289	Average

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 28

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5350.77	47.02	-6.98	54.00	39.60	31.82	9.08	33.48	100	195	Average

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

<table>
<tr><td>WIFI</td><td colspan="2">Band 2 5250~5350MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ac VHT80 CH58 5290MHz - L</td></tr>
<tr><td>1+2</td><td>Horizontal</td><td>Vertical</td></tr>
<tr><td>Peak</td><td>


Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 35
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Cable Factor</th><th>Preamp Loss</th><th>A/Pos Factor</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5147.15</td><td>50.07</td><td>-23.93</td><td>74.00</td><td>43.01</td><td>31.58</td><td>8.95</td><td>33.47</td><td>100</td><td>281</td><td>Peak</td></tr>
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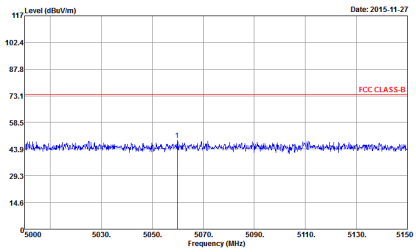

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 35
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Cable Factor</th><th>Preamp Loss</th><th>A/Pos Factor</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5059.85</td><td>48.84</td><td>-25.16</td><td>74.00</td><td>41.94</td><td>31.48</td><td>8.89</td><td>33.47</td><td>100</td><td>196</td><td>Peak</td></tr>
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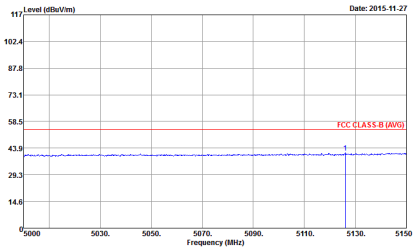

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 35
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Cable Factor</th><th>Preamp Loss</th><th>A/Pos Factor</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5126.15</td><td>41.26</td><td>-12.74</td><td>54.00</td><td>34.22</td><td>31.56</td><td>8.95</td><td>33.47</td><td>100</td><td>281</td><td>Average</td></tr>
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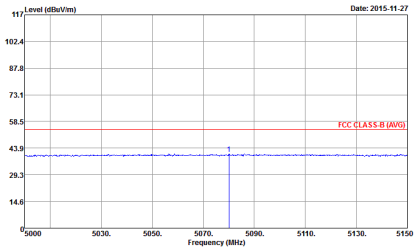

Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 35
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Cable Factor</th><th>Preamp Loss</th><th>A/Pos Factor</th><th>T/Pos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5080.10</td><td>40.64</td><td>-13.36</td><td>54.00</td><td>33.72</td><td>31.50</td><td>8.89</td><td>33.47</td><td>100</td><td>196</td><td>Average</td></tr>
</table>
</td></tr>
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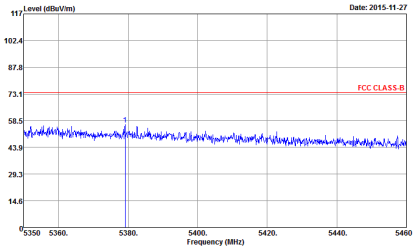
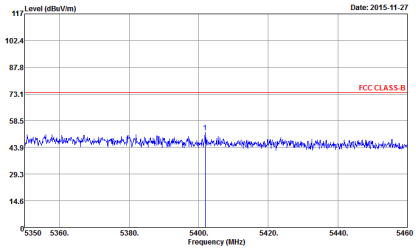
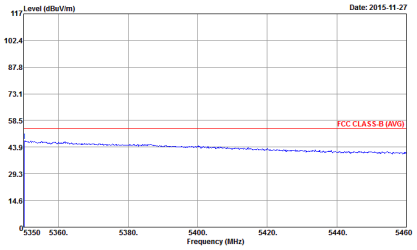
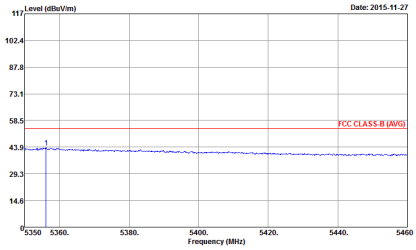
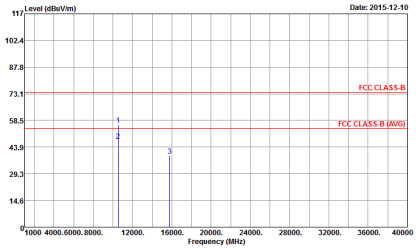
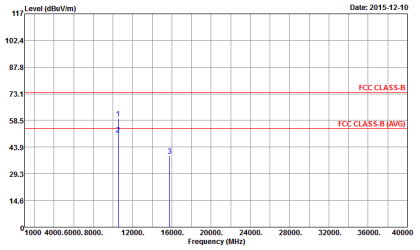
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 35 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5379.15 56.50 -17.50 74.00 48.99 31.86 9.13 33.48 100 281 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 35 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5401.92 51.99 -22.01 74.00 44.42 31.88 9.17 33.48 100 196 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 35 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5350.11 47.34 -6.66 54.00 39.92 31.82 9.08 33.48 100 281 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 35 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5356.16 43.81 -10.19 54.00 36.39 31.82 9.08 33.48 100 196 Average

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

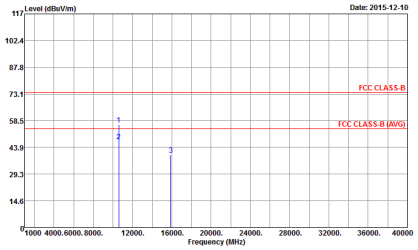
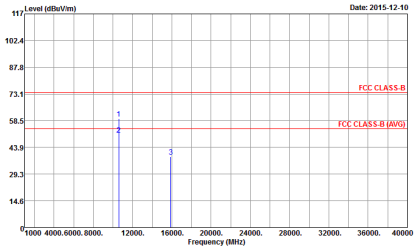
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 4
: 9

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10520.00	56.21	-17.79	74.00	70.54	40.01	13.14	67.48	100	302	Peak
2	10520.00	47.21	-6.79	54.00	61.54	40.01	13.14	67.48	100	302	Average
3	15780.00	39.10	-34.90	74.00	50.00	37.87	16.57	65.34	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 4
: 9

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10520.00	59.80	-14.20	74.00	74.13	40.01	13.14	67.48	100	273	Peak
2	10520.00	50.99	-3.01	54.00	65.32	40.01	13.14	67.48	100	273	Average
3	15780.00	39.22	-34.78	74.00	50.12	37.87	16.57	65.34	100	0	Peak

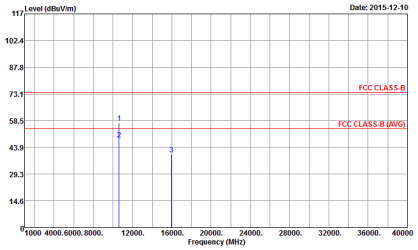
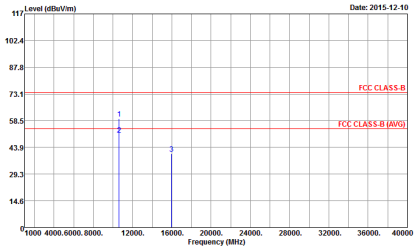
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 5
: 8

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10600.00	56.47	-17.53	74.00	70.61	40.06	13.20	67.40	100	271	Peak
2	10600.00	47.17	-6.83	54.00	61.31	40.06	13.20	67.40	100	271	Average
3	15900.00	39.85	-34.15	74.00	51.08	37.51	16.58	65.32	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 5
: 8

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10600.00	59.61	-14.39	74.00	73.75	40.06	13.20	67.40	100	274	Peak
2	10600.00	50.83	-3.17	54.00	64.97	40.06	13.20	67.40	100	274	Average
3	15900.00	38.92	-35.08	74.00	50.15	37.51	16.58	65.32	100	0	Peak

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 6
: 8

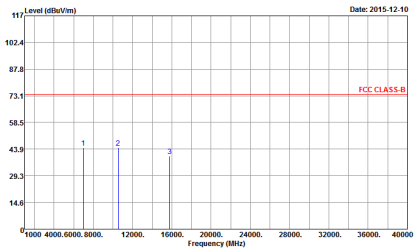
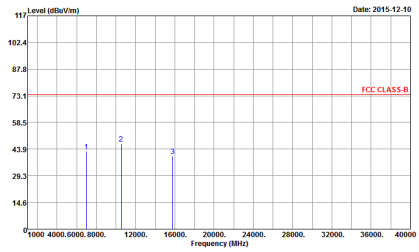
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10640.00	57.20	-16.80	74.00	71.25	40.08	13.23	67.36	102	268	Peak
2	10640.00	48.13	-5.87	54.00	62.18	40.08	13.23	67.36	102	268	Average
3	15960.00	40.18	-33.82	74.00	51.60	37.30	16.59	65.31	100	0	Peak

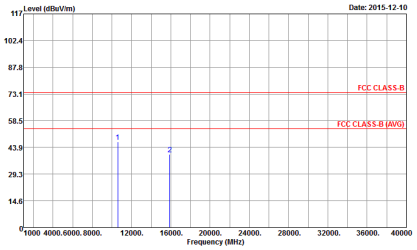
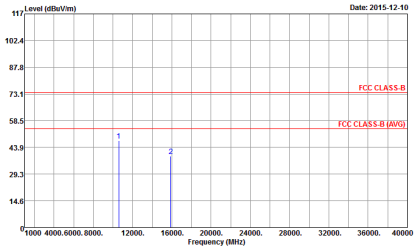
Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 6
: 8

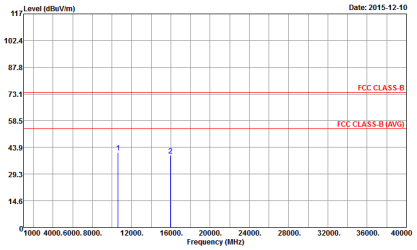
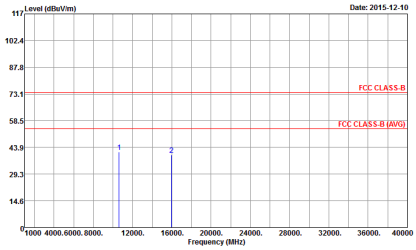
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10640.00	59.73	-14.27	74.00	73.78	40.08	13.23	67.36	100	272	Peak
2	10640.00	50.73	-3.27	54.00	64.78	40.08	13.23	67.36	100	272	Average
3	15960.00	40.28	-33.72	74.00	51.70	37.30	16.59	65.31	100	0	Peak

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

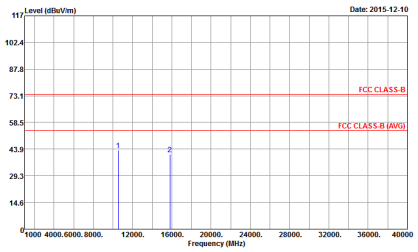
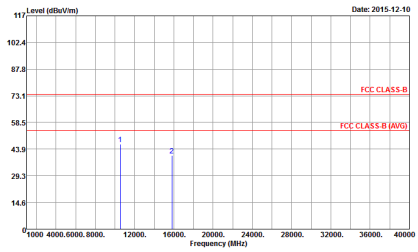
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : I6 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 7014.00 44.58 -29.42 74.00 63.99 35.44 10.15 65.00 383 333 Peak 2 10518.00 44.62 -29.38 74.00 58.98 40.01 13.11 67.48 100 0 Peak 3 15780.00 40.22 -33.78 74.00 51.12 37.87 16.57 65.34 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : I6 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 7014.00 42.60 -31.40 74.00 62.01 35.44 10.15 65.00 398 288 Peak 2 10520.00 47.08 -26.92 74.00 61.41 40.01 13.14 67.48 100 0 Peak 3 15780.00 40.06 -33.94 74.00 50.96 37.87 16.57 65.34 100 0 Peak

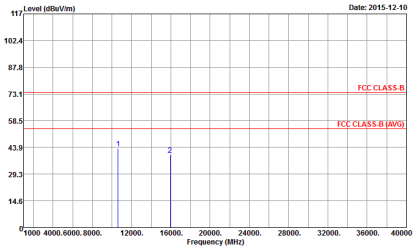
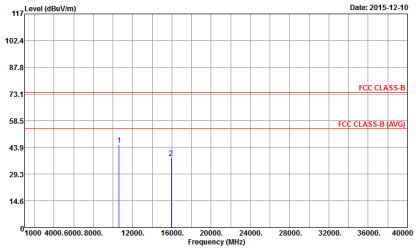
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 17 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10600.00 46.92 -27.08 74.00 33.72-500.00 13.20-500.00 100 0 Peak 2 15900.00 40.25 -33.75 74.00 23.67-500.00 16.58-500.00 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 17 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10600.00 47.54 -26.46 74.00 61.68 40.06 13.20 67.40 100 0 Peak 2 15900.00 38.97 -35.03 74.00 50.20 37.51 16.58 65.32 100 0 Peak

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 18 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10640.00 41.05 -32.95 74.00 55.10 40.08 13.23 67.36 100 0 Peak 2 15960.00 39.59 -34.41 74.00 51.01 37.30 16.59 65.31 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 18 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10640.00 41.28 -32.72 74.00 55.33 40.08 13.23 67.36 100 0 Peak 2 15960.00 39.64 -34.36 74.00 51.06 37.30 16.59 65.31 100 0 Peak

Band 2 5250~5350MHz

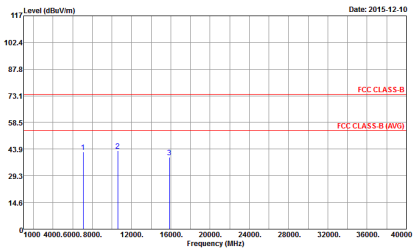
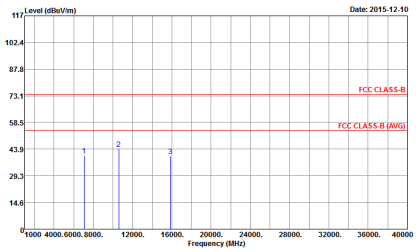
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 27 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10540.00 43.47 -30.53 74.00 57.78 40.02 13.14 67.47 100 0 Peak 2 15810.00 41.13 -32.87 74.00 52.13 37.77 16.57 65.34 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 27 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10540.00 46.56 -27.44 74.00 60.87 40.02 13.14 67.47 100 0 Peak 2 15810.00 40.39 -33.61 74.00 51.39 37.77 16.57 65.34 100 0 Peak

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 28 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10620.00 43.34 -30.66 74.00 57.45 40.07 13.20 67.38 100 0 Peak 2 15930.00 39.88 -34.12 74.00 51.20 37.41 16.58 65.31 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 28 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10620.00 45.15 -28.85 74.00 59.26 40.07 13.20 67.38 100 0 Peak 2 15930.00 38.07 -35.93 74.00 49.39 37.41 16.58 65.31 100 0 Peak

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 35

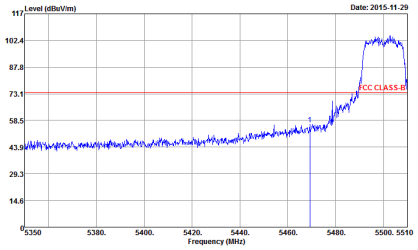
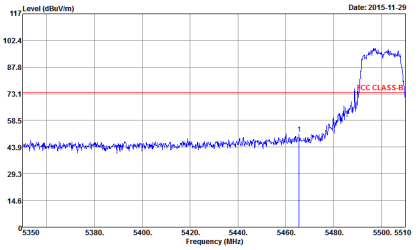
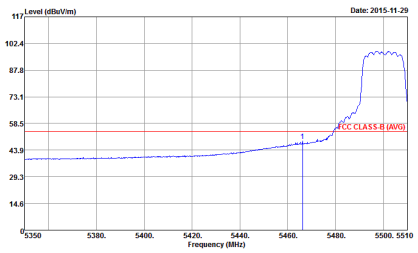
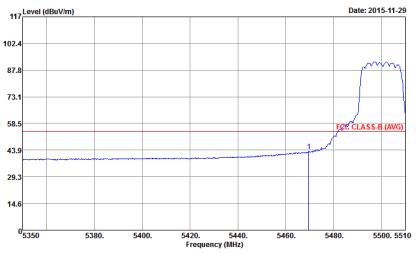
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	7056.00	42.41	-31.59	74.00	61.74	35.51	10.17	65.01	100	0	Peak
2	10580.00	43.11	-30.89	74.00	57.30	40.05	13.17	67.41	100	0	Peak
3	15870.00	39.54	-34.46	74.00	50.72	37.56	16.58	65.32	100	0	Peak

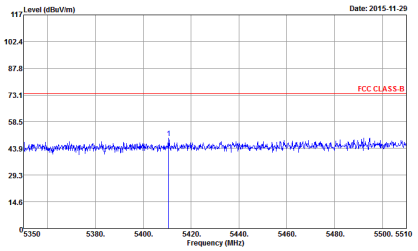
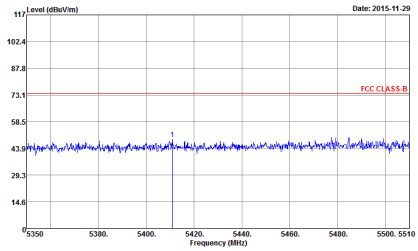
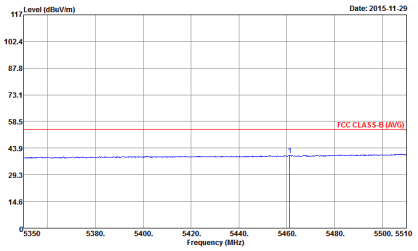
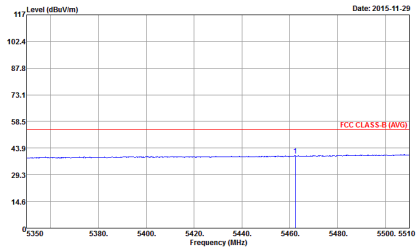
Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 35

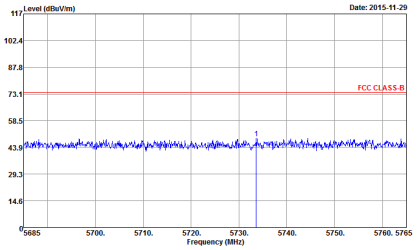
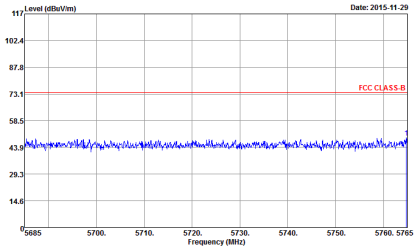
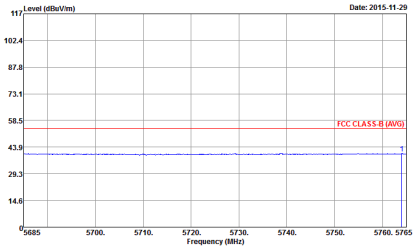
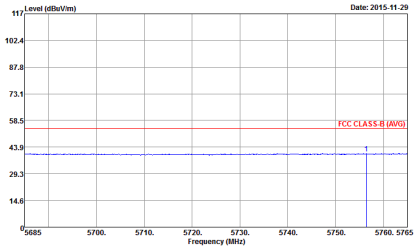
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	7056.00	40.28	-33.72	74.00	59.61	35.51	10.17	65.01	100	0	Peak
2	10580.00	44.14	-29.86	74.00	58.33	40.05	13.17	67.41	100	0	Peak
3	15870.00	40.22	-33.78	74.00	51.40	37.56	16.58	65.32	100	0	Peak

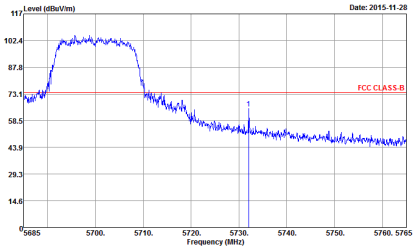
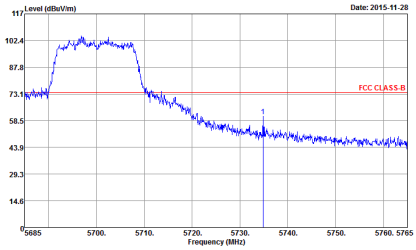
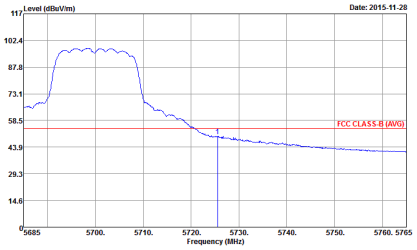
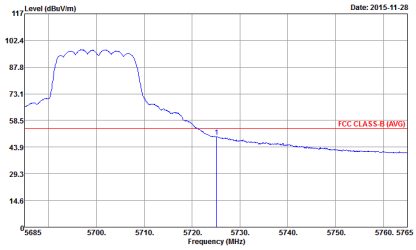
Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

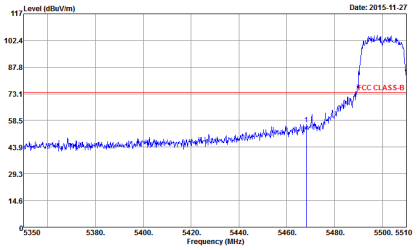
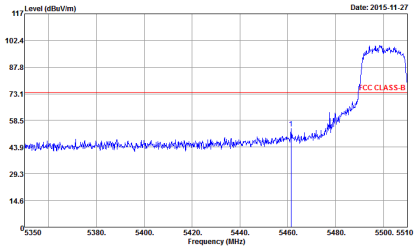
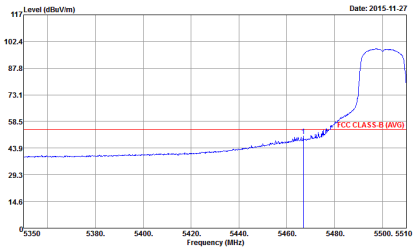
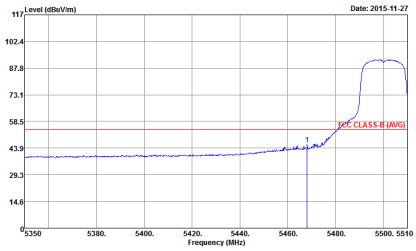
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 7 Setting : 7 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5469.20 56.31 -17.69 74.00 48.61 31.96 9.22 33.48 100 275 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 7 Setting : 7 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5465.52 51.31 -22.69 74.00 43.61 31.96 9.22 33.48 100 182 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 7 Setting : 7 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5466.16 48.92 -5.08 54.00 41.22 31.96 9.22 33.48 100 275 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 7 Setting : 7 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5469.68 43.36 -10.64 54.00 35.66 31.96 9.22 33.48 100 182 Average

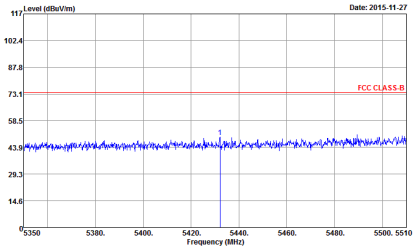
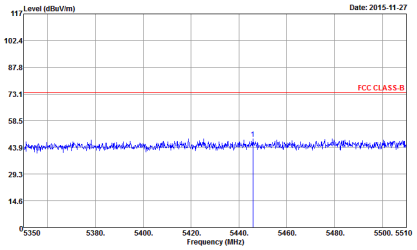
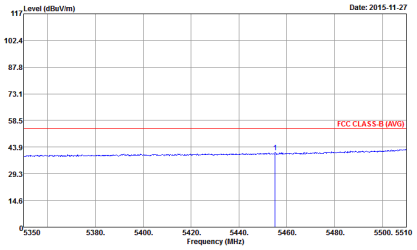
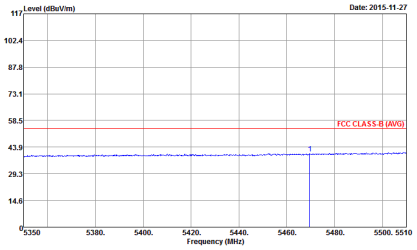
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5410.64 49.55 -24.45 74.00 41.98 31.88 9.17 33.48 100 283 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5410.96 48.77 -25.23 74.00 41.20 31.88 9.17 33.48 100 188 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5461.20 40.08 -13.92 54.00 32.40 31.94 9.22 33.48 100 283 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5462.32 39.80 -14.20 54.00 32.12 31.94 9.22 33.48 100 188 Average

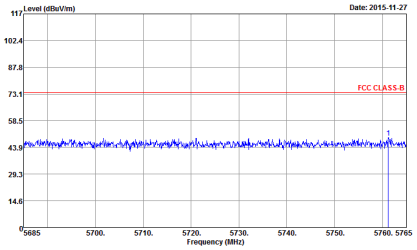
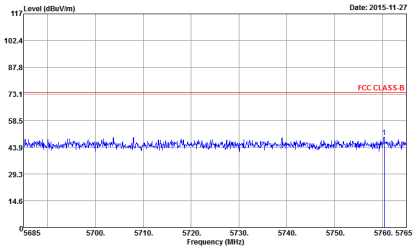
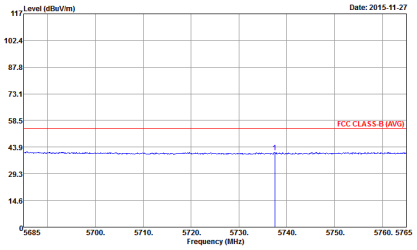
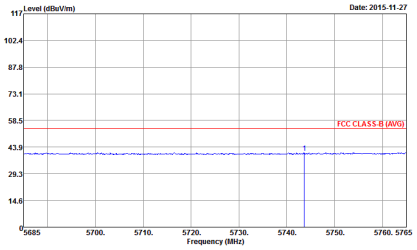
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5733.64 48.88 -25.12 74.00 40.70 32.31 9.44 33.57 100 283 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5764.76 49.10 -24.90 74.00 40.83 32.36 9.49 33.58 100 188 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5764.04 40.44 -13.56 54.00 32.17 32.36 9.49 33.58 100 283 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 8 Setting : 7.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5756.44 40.54 -13.46 54.00 32.32 32.36 9.44 33.58 100 188 Average

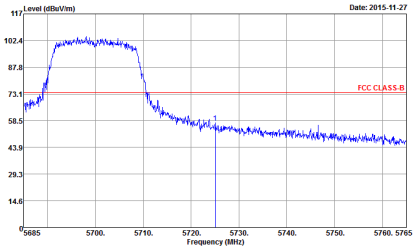
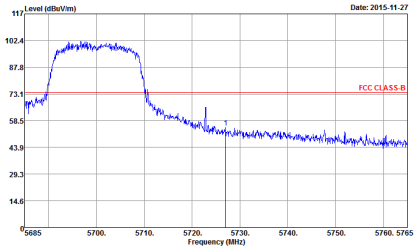
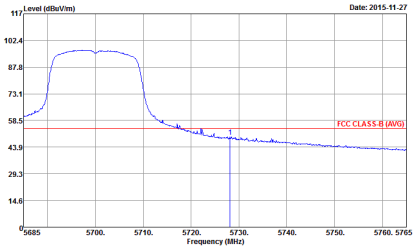
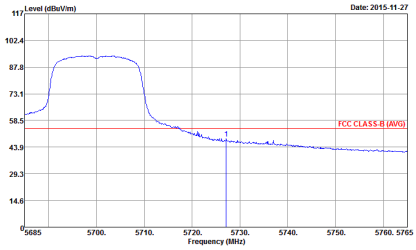
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 9 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5732.04 65.07 -8.93 74.00 56.89 32.31 9.44 33.57 100 280 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 9 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5734.84 61.02 -12.98 74.00 52.81 32.34 9.44 33.57 102 186 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 9 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5725.56 50.02 -3.98 54.00 41.84 32.31 9.44 33.57 100 280 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 9 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5725.08 49.62 -4.38 54.00 41.44 32.31 9.44 33.57 102 186 Average

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

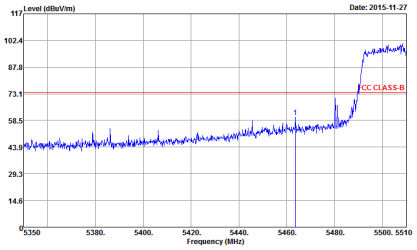
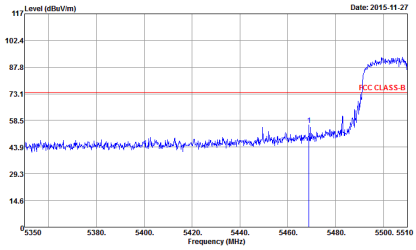
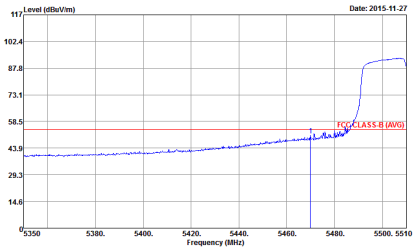
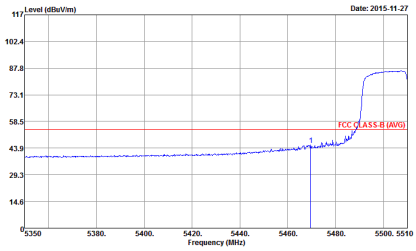
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 19 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5468.24 56.42 -17.58 74.00 48.72 31.96 9.22 33.48 112 284 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 19 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5461.36 53.96 -20.04 74.00 46.28 31.94 9.22 33.48 100 193 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 19 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5466.96 50.51 -3.49 54.00 42.81 31.96 9.22 33.48 112 284 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 19 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5468.08 45.80 -8.20 54.00 38.10 31.96 9.22 33.48 100 193 Average

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5432.08 49.60 -24.40 74.00 41.99 31.92 9.17 33.48 100 283 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5445.84 48.71 -25.29 74.00 41.03 31.94 9.22 33.48 100 181 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5455.12 41.09 -12.91 54.00 33.41 31.94 9.22 33.48 100 283 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5469.68 40.37 -13.63 54.00 32.67 31.96 9.22 33.48 100 181 Average

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5761.24 49.22 -24.78 74.00 41.00 32.36 9.44 33.58 100 283 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5760.36 49.57 -24.43 74.00 41.35 32.36 9.44 33.58 100 181 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5737.48 40.99 -13.01 54.00 32.78 32.34 9.44 33.57 100 283 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 20 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5743.64 40.81 -13.19 54.00 32.60 32.34 9.44 33.57 100 181 Average

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 21 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5725.00 57.27 -16.73 74.00 49.09 32.31 9.44 33.57 100 284 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 21 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5727.00 54.77 -19.23 74.00 46.59 32.31 9.44 33.57 102 201 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 21 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5728.12 49.70 -4.30 54.00 41.52 32.31 9.44 33.57 100 284 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 21 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5727.16 48.59 -5.41 54.00 40.41 32.31 9.44 33.57 102 201 Average

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Vertical
Peak		
Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5463.60	60.40	-13.60	74.00	52.70	31.96	9.22	33.48	105	285	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

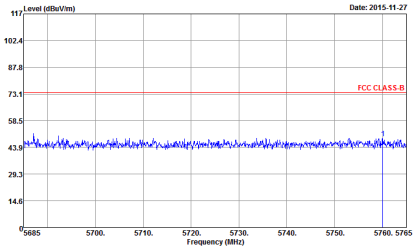
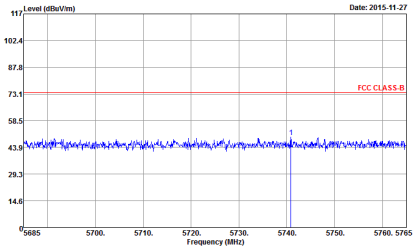
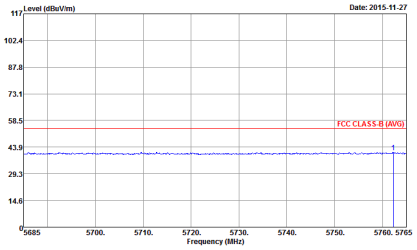
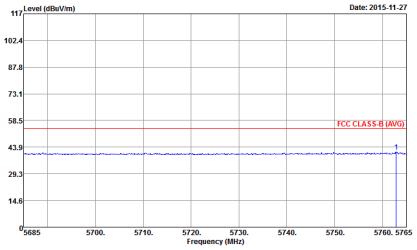
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5468.88	56.06	-17.94	74.00	48.36	31.96	9.22	33.48	100	194	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5469.84	50.82	-3.18	54.00	43.12	31.96	9.22	33.48	105	285	Average

Site : 03CH11-HY
Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5469.68	45.53	-8.47	54.00	37.83	31.96	9.22	33.48	100	194	Average

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Vertical
Peak		
Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5760.04	49.04	-24.96	74.00	40.82	32.36	9.44	33.58	105	285	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

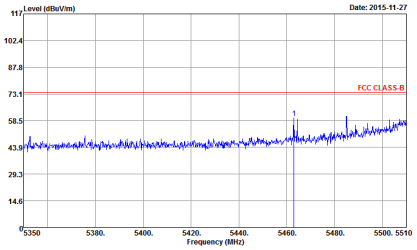
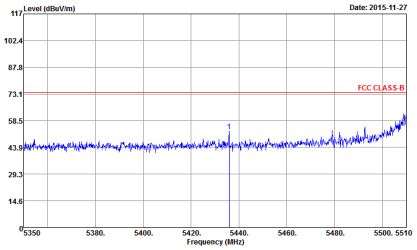
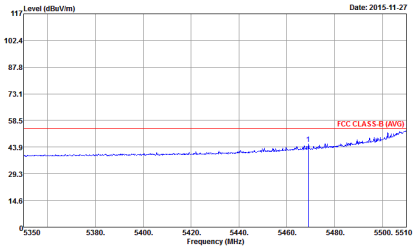
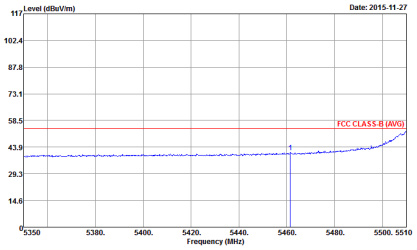
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5740.84	49.66	-24.34	74.00	41.45	32.34	9.44	33.57	100	194	Peak

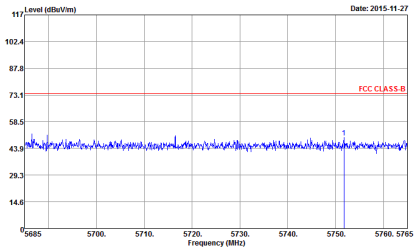
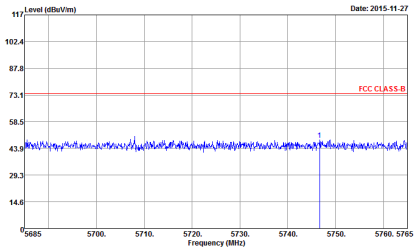
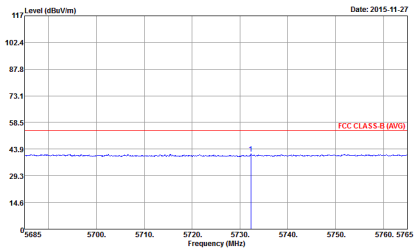
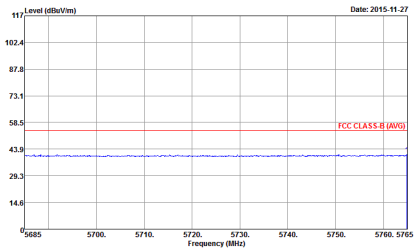
Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

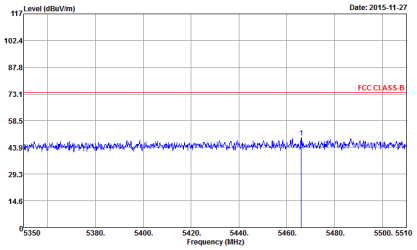
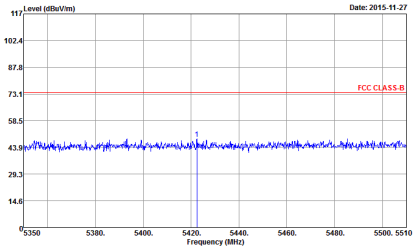
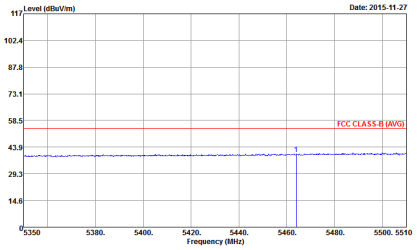
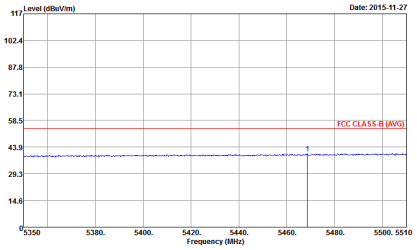
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5762.28	41.08	-12.92	54.00	32.81	32.36	9.49	33.58	105	285	Average

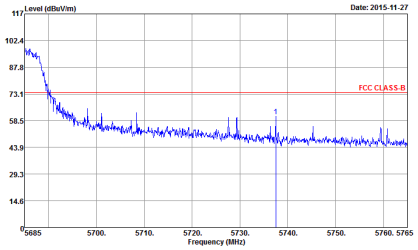
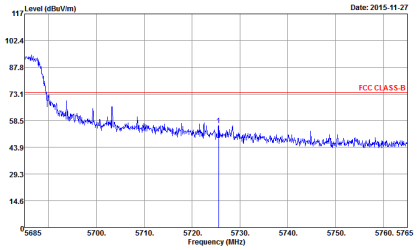
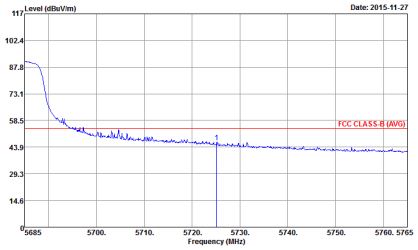
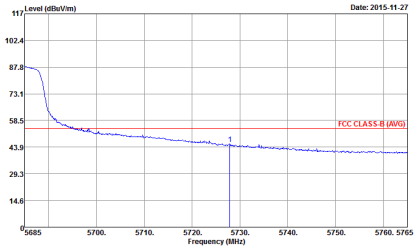
Site : 03CH11-HY
Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL
: RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Detector : Peak
Project : FR 5N0311
Mode : 29
Setting : 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5762.84	41.37	-12.63	54.00	33.10	32.36	9.49	33.58	100	194	Average

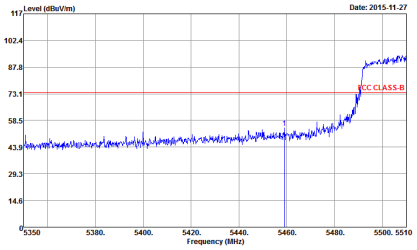
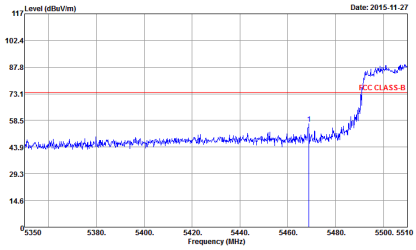
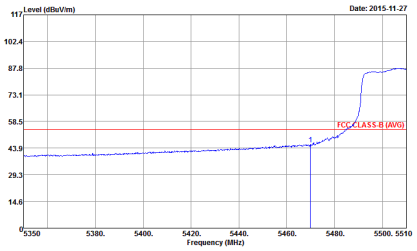
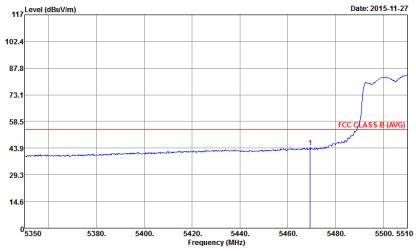
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5462.96 59.96 -14.04 74.00 52.26 31.96 9.22 33.48 100 285 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5435.92 52.66 -21.34 74.00 45.05 31.92 9.17 33.48 100 156 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5469.04 45.47 -8.53 54.00 37.77 31.96 9.22 33.48 100 285 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5461.52 41.03 -12.97 54.00 33.35 31.94 9.22 33.48 100 156 Average

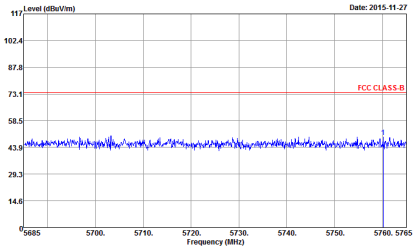
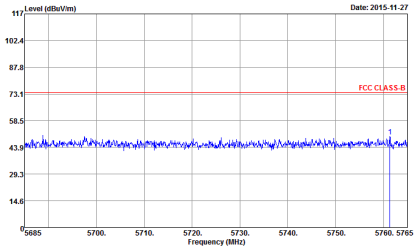
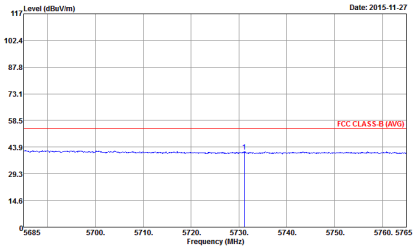
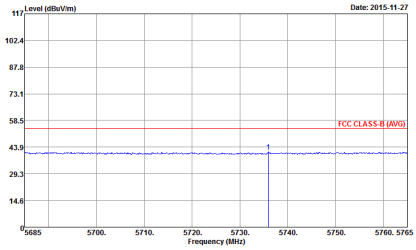
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5751.72 49.88 -24.12 74.00 41.65 32.36 9.44 33.57 100 285 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5746.68 48.60 -25.40 74.00 40.39 32.34 9.44 33.57 100 156 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5732.28 41.29 -12.71 54.00 33.11 32.31 9.44 33.57 100 285 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 30 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5764.92 40.98 -13.02 54.00 32.71 32.36 9.49 33.58 100 156 Average

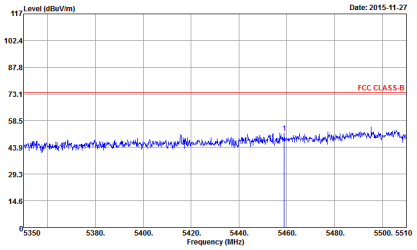
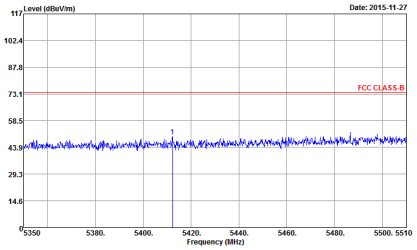
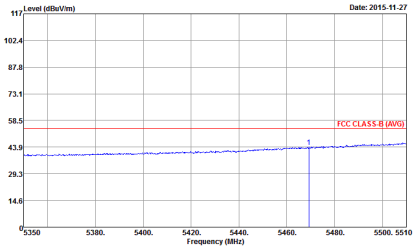
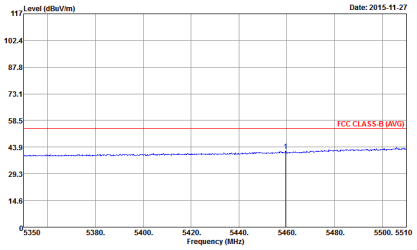
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5466.00 49.11 -24.89 74.00 41.41 31.96 9.22 33.48 100 294 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5422.48 48.68 -25.32 74.00 41.09 31.90 9.17 33.48 100 237 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5463.92 40.18 -13.82 54.00 32.48 31.96 9.22 33.48 100 294 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5468.56 40.46 -13.54 54.00 32.76 31.96 9.22 33.48 100 237 Average

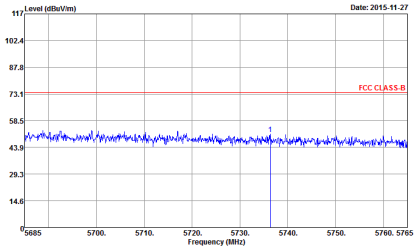
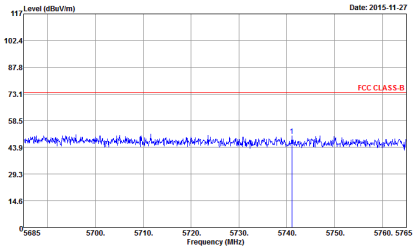
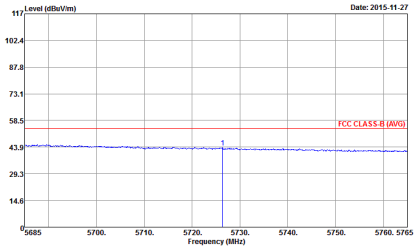
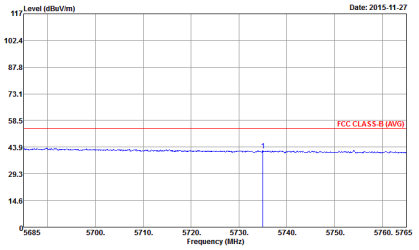
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5737.48 61.01 -12.99 74.00 52.80 32.34 9.44 33.57 100 294 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5725.56 56.04 -17.96 74.00 47.86 32.31 9.44 33.57 100 237 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5725.08 46.50 -7.50 54.00 38.32 32.31 9.44 33.57 100 294 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 31 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5727.88 45.58 -8.42 54.00 37.40 32.31 9.44 33.57 100 237 Average

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5459.12 54.29 -19.71 74.00 46.61 31.94 9.22 33.48 107 282 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5468.88 56.58 -17.42 74.00 48.88 31.96 9.22 33.48 100 165 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5469.84 46.07 -7.93 54.00 38.37 31.96 9.22 33.48 107 282 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5469.36 44.25 -9.75 54.00 36.55 31.96 9.22 33.48 100 165 Average

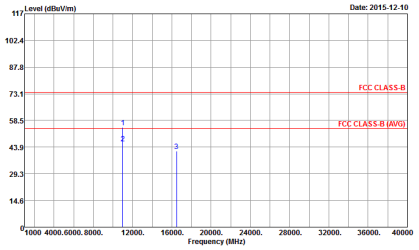
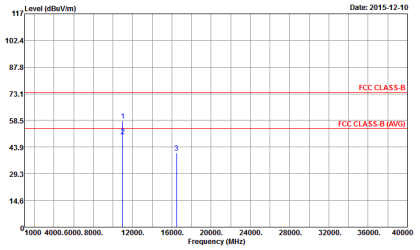
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5760.12 49.69 -24.31 74.00 41.47 32.36 9.44 33.58 107 282 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5761.32 49.86 -24.14 74.00 41.64 32.36 9.44 33.58 100 165 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5731.16 41.43 -12.57 54.00 33.25 32.31 9.44 33.57 107 282 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5735.96 41.23 -12.77 54.00 33.02 32.34 9.44 33.57 100 165 Average

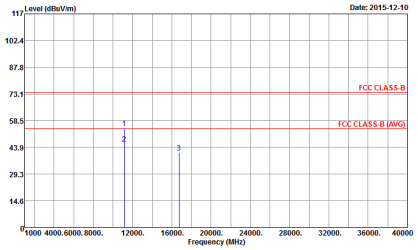
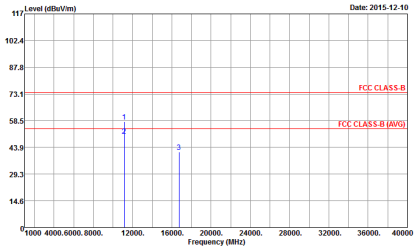
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5458.96 51.88 -22.12 74.00 44.20 31.94 9.22 33.48 100 280 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5412.24 49.99 -24.01 74.00 42.40 31.90 9.17 33.48 100 185 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5469.20 43.89 -10.11 54.00 36.19 31.96 9.22 33.48 100 280 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5459.44 41.71 -12.29 54.00 34.03 31.94 9.22 33.48 100 185 Average

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5736.36 51.07 -22.93 74.00 42.86 32.34 9.44 33.57 100 280 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5741.08 50.29 -23.71 74.00 42.08 32.34 9.44 33.57 100 185 Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5726.36 43.53 -10.47 54.00 35.35 32.31 9.44 33.57 100 280 Average	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : FR 5N0311 Mode : 37 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5735.00 42.03 -11.97 54.00 33.82 32.34 9.44 33.57 100 185 Average

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 7 : 6 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 11000.00 54.71 -19.29 74.00 67.93 40.30 13.48 67.00 100 299 Peak 2 11000.00 46.03 -7.97 54.00 59.25 40.30 13.48 67.00 100 299 Average 3 16500.00 41.61 -32.39 74.00 49.90 38.90 16.81 64.00 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 7 : 6 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 11000.00 58.48 -15.52 74.00 71.70 40.30 13.48 67.00 100 302 Peak 2 11000.00 49.78 -4.22 54.00 63.00 40.30 13.48 67.00 100 302 Average 3 16500.00 40.86 -33.14 74.00 49.15 38.90 16.81 64.00 100 0 Peak

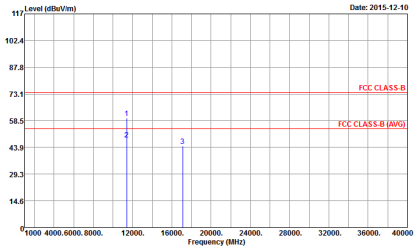
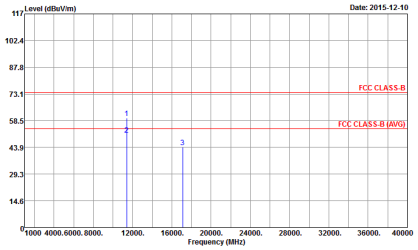
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 8
: 6.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11160.00	54.54	-19.46	74.00	67.30	40.17	13.64	66.57	103	289	Peak
2	11160.00	46.05	-7.95	54.00	58.81	40.17	13.64	66.57	103	289	Average
3	16740.00	41.15	-32.85	74.00	48.67	39.58	16.80	63.90	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 8
: 6.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11160.00	58.11	-15.89	74.00	70.87	40.17	13.64	66.57	117	98	Peak
2	11160.00	50.04	-3.96	54.00	62.80	40.17	13.64	66.57	117	98	Average
3	16740.00	41.26	-32.74	74.00	48.78	39.58	16.80	63.90	100	0	Peak

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 9
: 7.5

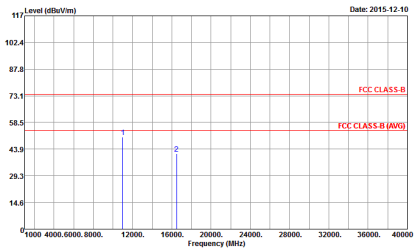
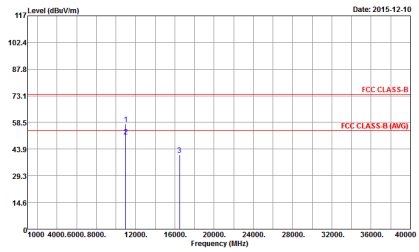
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11400.00	59.92	-14.08	74.00	72.03	39.98	13.87	65.96	100	273	Peak
2	11400.00	48.39	-5.61	54.00	60.50	39.98	13.87	65.96	100	273	Average
3	17100.00	44.50	-29.50	74.00	50.97	40.60	16.85	63.92	100	0	Peak

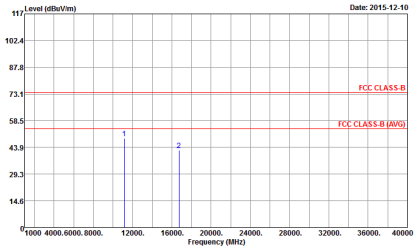
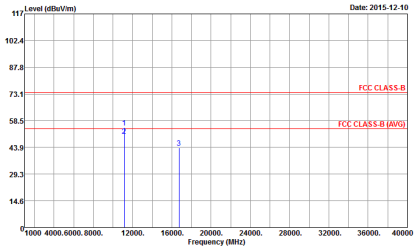
Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 9
: 7.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11400.00	59.81	-14.19	74.00	71.92	39.98	13.87	65.96	100	273	Peak
2	11400.00	50.99	-3.01	54.00	63.10	39.98	13.87	65.96	100	273	Average
3	17100.00	43.90	-30.10	74.00	50.37	40.60	16.85	63.92	100	0	Peak

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 19 : 7 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 11000.00 50.41 -23.59 74.00 63.63 40.30 13.48 67.00 100 0 Peak 2 16500.00 41.47 -32.53 74.00 49.76 38.90 16.81 64.00 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 19 : 7 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 11000.00 57.71 -16.29 74.00 70.93 40.30 13.48 67.00 107 298 Peak 2 11000.00 50.72 -3.28 54.00 63.94 40.30 13.48 67.00 107 298 Average 3 16500.00 40.61 -33.39 74.00 48.90 38.90 16.81 64.00 100 0 Peak

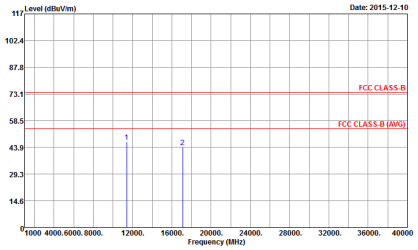
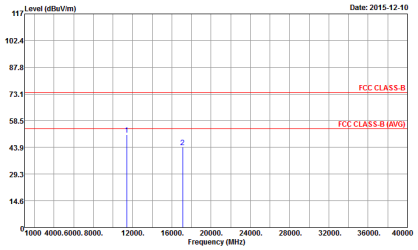
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 20
: 7

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11160.00	48.82	-25.18	74.00	61.58	40.17	13.64	66.57	100	0	Peak
2	16740.00	42.25	-31.75	74.00	49.77	39.58	16.80	63.90	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 20
: 7

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11160.00	54.70	-19.30	74.00	67.46	40.17	13.64	66.57	111	101	Peak
2	11160.00	50.23	-3.77	54.00	62.99	40.17	13.64	66.57	111	101	Average
3	16740.00	43.64	-30.36	74.00	51.16	39.58	16.80	63.90	100	0	Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

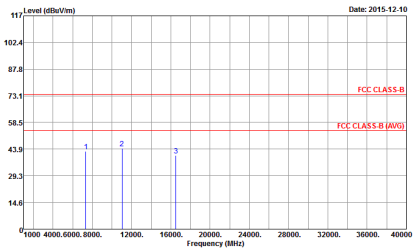
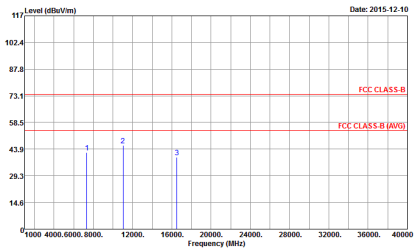
Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 21
: 6.5

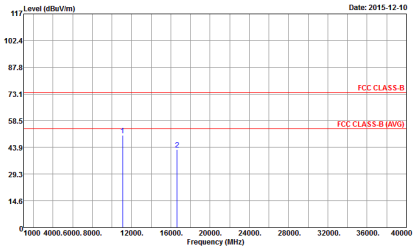
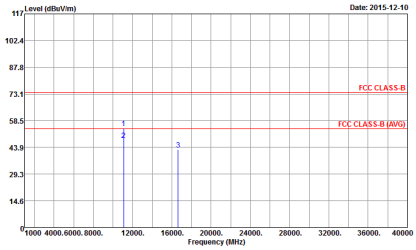
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11400.00	46.99	-27.01	74.00	59.10	39.98	13.87	65.96	100	0	Peak
2	17100.00	43.93	-30.07	74.00	50.40	40.60	16.85	63.92	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 21
: 6.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11400.00	50.84	-23.16	74.00	62.95	39.98	13.87	65.96	100	0	Peak
2	17100.00	44.13	-29.87	74.00	50.60	40.60	16.85	63.92	100	0	Peak

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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 29 Setting : 5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 7345.00 42.77 -31.23 74.00 61.24 36.16 10.44 65.07 100 0 Peak 2 11020.00 44.24 -29.76 74.00 57.43 40.29 13.48 66.96 100 0 Peak 3 16530.00 40.52 -33.48 74.00 48.70 39.00 16.81 63.99 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 29 Setting : 5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 7345.00 41.90 -32.10 74.00 60.37 36.16 10.44 65.07 100 0 Peak 2 11020.00 46.02 -27.98 74.00 59.21 40.29 13.48 66.96 100 0 Peak 3 16530.00 39.47 -34.53 74.00 47.65 39.00 16.81 63.99 100 0 Peak

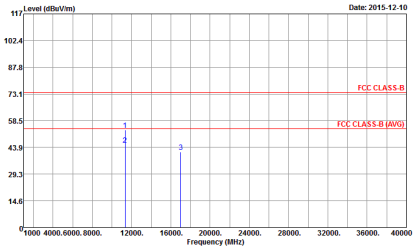
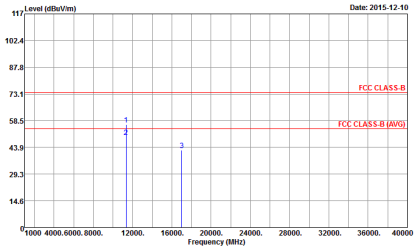
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 30

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11100.00	50.66	-23.34	74.00	63.62	40.22	13.56	66.74	100	0	Peak
2	16650.00	42.73	-31.27	74.00	50.54	39.33	16.80	63.94	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 30

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11100.00	54.27	-19.73	74.00	67.23	40.22	13.56	66.74	100	297	Peak
2	11100.00	48.04	-5.96	54.00	61.00	40.22	13.56	66.74	100	297	Average
3	16650.00	42.80	-31.20	74.00	50.61	39.33	16.80	63.94	100	0	Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.		

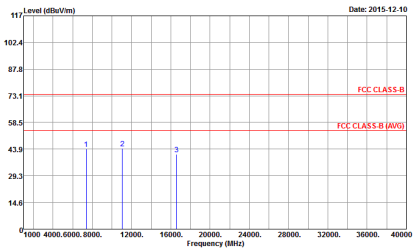
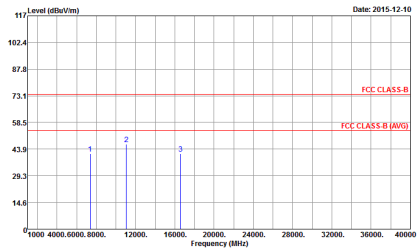
Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 31

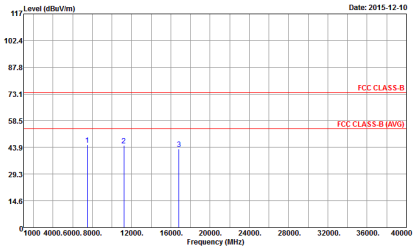
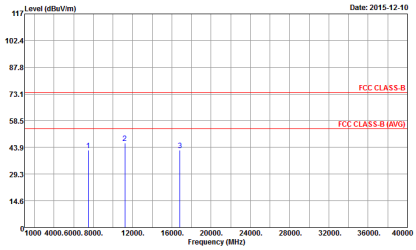
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11340.00	53.41	-20.59	74.00	65.72	40.03	13.79	66.13	100	260	Peak
2	11340.00	45.46	-8.54	54.00	57.77	40.03	13.79	66.13	100	260	Average
3	17010.00	41.40	-32.60	74.00	48.07	40.35	16.80	63.82	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 31

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11340.00	56.39	-17.61	74.00	68.70	40.03	13.79	66.13	100	96	Peak
2	11340.00	49.48	-4.52	54.00	61.79	40.03	13.79	66.13	100	96	Average
3	17010.00	42.24	-31.76	74.00	48.91	40.35	16.80	63.82	100	0	Peak

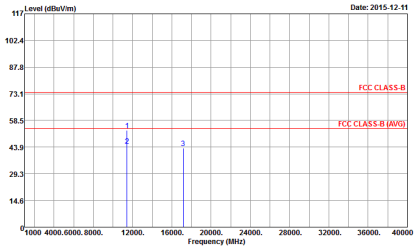
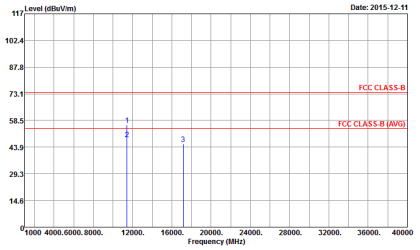
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 7375.00 44.08 -29.92 74.00 62.45 36.23 10.48 65.08 100 0 Peak 2 11060.00 44.22 -29.78 74.00 57.28 40.25 13.52 66.83 100 0 Peak 3 16590.00 40.91 -33.09 74.00 48.93 39.14 16.81 63.97 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 36 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 7375.00 41.45 -32.55 74.00 59.82 36.23 10.48 65.08 100 0 Peak 2 11060.00 46.47 -27.53 74.00 59.53 40.25 13.52 66.83 100 0 Peak 3 16590.00 41.51 -32.49 74.00 49.53 39.14 16.81 63.97 100 0 Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 37 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 7480.00 45.21 -28.79 74.00 63.30 36.46 10.55 65.10 100 0 Peak 2 11220.00 44.93 -29.07 74.00 57.57 40.13 13.67 66.44 100 0 Peak 3 16830.00 43.04 -30.96 74.00 50.29 39.82 16.80 63.87 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 37 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 7480.00 42.32 -31.68 74.00 60.41 36.46 10.55 65.10 100 0 Peak 2 11220.00 46.23 -27.77 74.00 58.87 40.13 13.67 66.44 100 0 Peak 3 16830.00 42.47 -31.53 74.00 49.72 39.82 16.80 63.87 100 0 Peak

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 39
: 6.5

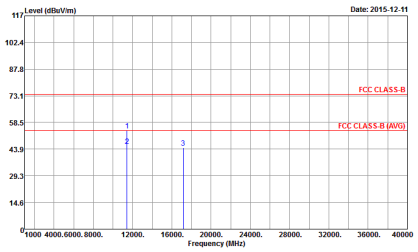
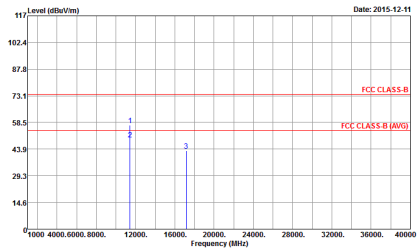
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11440.00	53.02	-20.98	74.00	65.03	39.95	13.91	65.87	100	258	Peak
2	11440.00	44.50	-9.50	54.00	56.51	39.95	13.91	65.87	100	258	Average
3	17160.00	43.43	-30.57	74.00	49.73	40.80	16.90	64.00	100	0	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 39
: 6.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11440.00	56.09	-17.91	74.00	68.10	39.95	13.91	65.87	105	96	Peak
2	11440.00	48.35	-5.65	54.00	60.36	39.95	13.91	65.87	105	96	Average
3	17160.00	45.54	-28.46	74.00	51.84	40.80	16.90	64.00	100	0	Peak

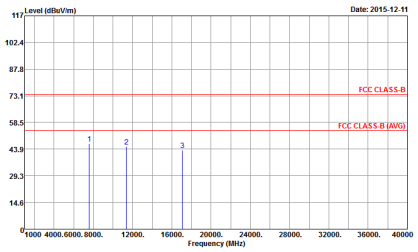
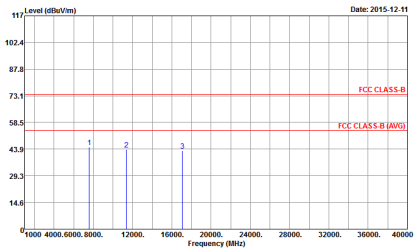
Band 3 – Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 40 : 6.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11440.00 54.02 -19.98 74.00 66.03 39.95 13.91 65.87 103 256 Peak 2 11440.00 45.51 -8.49 54.00 57.52 39.95 13.91 65.87 103 256 Average 3 17160.00 44.78 -29.22 74.00 51.08 40.80 16.90 64.00 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 40 : 6.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11440.00 57.03 -16.97 74.00 69.04 39.95 13.91 65.87 107 95 Peak 2 11440.00 49.34 -4.66 54.00 61.35 39.95 13.91 65.87 107 95 Average 3 17160.00 42.92 -31.08 74.00 49.22 40.80 16.90 64.00 100 0 Peak

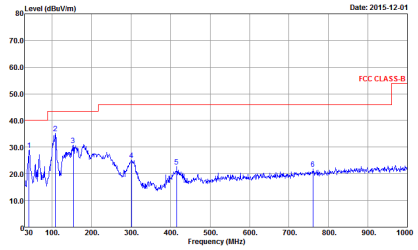
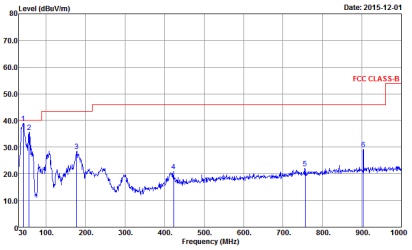
Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5N0311 Mode : 42 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 7585.00 46.84 -27.16 74.00 64.54 36.60 10.73 65.03 100 249 Peak 2 11380.00 45.42 -28.58 74.00 57.60 39.99 13.83 66.00 100 0 Peak 3 17070.00 43.28 -30.72 74.00 49.83 40.50 16.83 63.88 100 0 Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5N0311 Mode : 42 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 7585.00 44.83 -29.17 74.00 62.53 36.60 10.73 65.03 302 241 Peak 2 11380.00 43.81 -30.19 74.00 55.99 39.99 13.83 66.00 100 0 Peak 3 17070.00 43.10 -30.90 74.00 49.65 40.50 16.83 63.88 100 0 Peak

Emission below 1GHz

5GHz WIFI 802.11a (LF)

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

Site : 03CH11-HY
Condition : FCC CLASS-B 3m CBL6112 HORIZONTAL
Detector : Peak
Project : FR 5N0311
Mode : 43

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	41.34	28.91	-11.09	40.00	48.16	11.90	0.67	31.82	---	---	Peak
2	100.57	35.21	-8.29	43.50	54.52	11.19	1.28	31.78	173	350	Peak
3	152.85	30.85	-12.65	43.50	51.28	9.89	1.46	31.78	---	---	Peak
4	301.40	25.09	-20.91	46.00	41.68	13.06	2.11	31.76	---	---	Peak
5	415.50	22.72	-23.28	46.00	35.60	16.52	2.41	31.81	---	---	Peak
6	760.60	21.86	-24.14	46.00	30.88	19.70	3.25	31.97	---	---	Peak

Site : 03CH11-HY
Condition : FCC CLASS-B 3m CBL6112 VERTICAL
Detector : Peak
Project : FR 5N0311
Mode : 43

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	41.61	38.91	-1.09	40.00	58.32	11.73	0.67	31.81	312	80	Peak
2	56.46	35.68	-4.32	40.00	60.63	5.81	1.04	31.80	---	---	Peak
3	177.15	28.62	-14.88	43.50	50.30	8.46	1.64	31.78	---	---	Peak
4	423.20	20.94	-25.06	46.00	33.71	16.64	2.41	31.82	---	---	Peak
5	755.70	22.05	-23.95	46.00	31.03	19.74	3.25	31.97	---	---	Peak
6	903.40	29.29	-16.71	46.00	37.05	20.10	3.55	31.41	---	---	Peak