FCC RF Test Report

APPLICANT	:	**MITAC International Corp**
EQUIPMENT	:	**Tablet**
BRAND NAME	:	**Mio, Mitac,Stryker**
MODEL NAME	:	**N450**
FCC ID	:	**P4Q-N450W**
STANDARD	:	**FCC Part 15 Subpart E §15.407**
CLASSIFICATION	:	**(NII) Unlicensed National Information Infrastructure**

The product was received on Dec. 25, 2015 and testing was completed on Jan. 19, 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

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR5D2503E	Rev. 01	Initial issue of report	Feb. 24, 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	≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band) & 15.209(a)	Pass	Under limit 0.09 dB at 5458.000 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 6.50 dB at 0.446 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

MITAC International Corp

Building B, No. 209, Sec. 1, Nan Gang Rd., Nan Gang Dist., Taipei City 11568, Taiwan, R.O.C.

1.2 Manufacturer

MITAC Computer (Kunshan) Co,. Ltd.

No. 269, 2nd Avenue, District A, Conprehensive Free Trade Zone, 300 Kunshan, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet
Brand Name	Mio, Mitac,Stryker
Model Name	N450
FCC ID	P4Q-N450W
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 Bluetooth v4.0 EDR/LE
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5580 MHz and 5660 MHz ~ 5700 MHz
Maximum Output Power to Antenna	**<5180 MHz ~ 5240 MHz>** 802.11a : 14.06 dBm / 0.0255 W 802.11n HT20 : 14.10 dBm / 0.0257 W 802.11n HT40 : 13.22 dBm / 0.0210 W **<5260 MHz ~ 5320 MHz>** 802.11a : 13.83 dBm / 0.0242 W 802.11n HT20 : 13.57 dBm / 0.0228 W 802.11n HT40 : 13.01 dBm / 0.0200 W **<5500 MHz ~ 5580 MHz and 5660 MHz ~ 5700 MHz >** 802.11a : 13.74 dBm / 0.0237 W 802.11n HT20 : 13.70 dBm / 0.0234 W 802.11n HT40 : 12.92 dBm / 0.0196 W
99% Occupied Bandwidth	802.11a : 19.95 MHz 802.11n HT20 : 20.03 MHz 802.11n HT40 : 39.30 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>** PIFA Antenna with gain 2.74 dBi **<5260 MHz ~ 5320 MHz>** PIFA Antenna with gain 1.58 dBi **<5500 MHz ~ 5580 MHz and 5660 MHz ~ 5700 MHz >** PIFA Antenna with gain 2.64 dBi
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)

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. 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.**
	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
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5600 MHz and 5650-5725 MHz Band 3 (U-NII-2C)	100	5500	116	5580
	102	**5510**	132	5660
	104	5520	**134**	**5670**
	108	5540	136	5680
	110	**5550**	140	5700
	112	5560		

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.

5GHz 802.11a mode Average Power (dBm)								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
5150 ~ 5250 MHz	14.06	14.02	13.99	14.04	13.19	12.83	12.06	11.16
5250 ~ 5350 MHz	13.83	13.76	13.79	13.74	13.55	12.68	12.08	11.15
5470 ~ 5600 MHz and 5650 ~ 5725 MHz	13.74	13.63	13.61	13.62	13.16	12.65	11.72	10.74

5GHz 802.11n HT20 mode Average Power (dBm)								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
5150 ~ 5250 MHz	14.10	14.06	14.05	14.02	13.12	12.47	11.40	10.44
5250 ~ 5350 MHz	13.57	13.52	13.55	13.53	12.76	11.85	11.27	10.27
5470 ~ 5600 MHz and 5650 ~ 5725 MHz	13.70	13.67	13.68	13.61	12.44	11.80	10.82	9.84

5GHz 802.11n HT40 mode Average Power (dBm)								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
5150 ~ 5250 MHz	13.22	13.20	13.16	13.21	13.18	13.21	10.89	9.81
5250 ~ 5350 MHz	13.01	12.99	12.96	12.99	12.98	12.87	10.72	9.35
5470 ~ 5600 MHz and 5650 ~ 5725 MHz	12.92	12.89	12.83	12.87	12.88	12.64	10.14	8.89

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.

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

AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Camera (Rear) + USB HDD + Adapter + Micro SD + Micro USB Cable (Data Link with Notebook) + Battery + Earphone

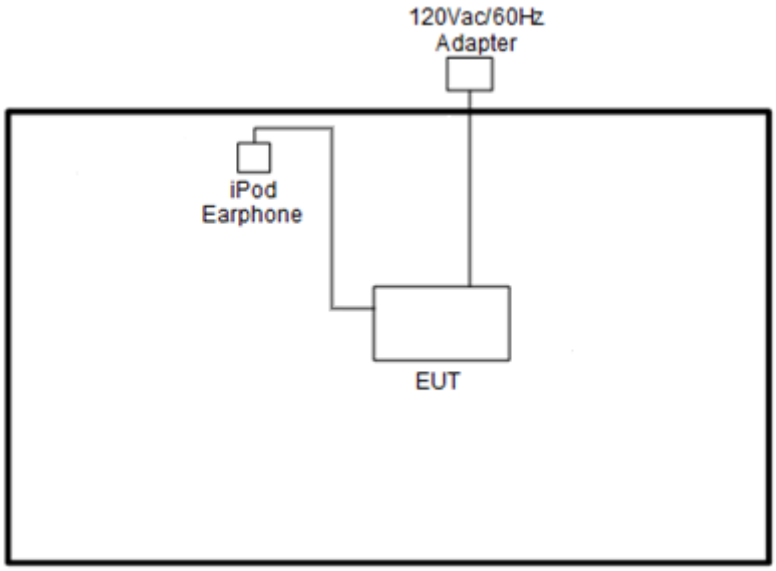
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5600 MHz and 5650-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

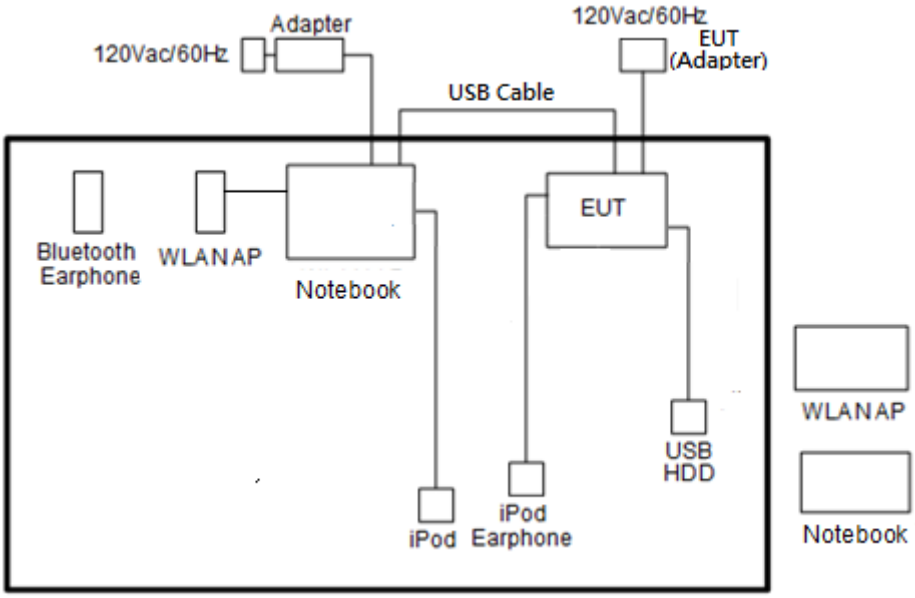
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5600 MHz and 5650-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

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.	WLAN AP	D-Link	DIR-865L	KA2IR865LA1	N/A	Unshielded, 1.8 m
2.	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
3.	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
4.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
5.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
6.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
7.	USB HDD	PQI	H568V	FCC DoC	Shielded, 0.45 m	N/A
8.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.6 EUT Operation Test Setup

The programmed RF utility “RF Test 0317”, is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

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.

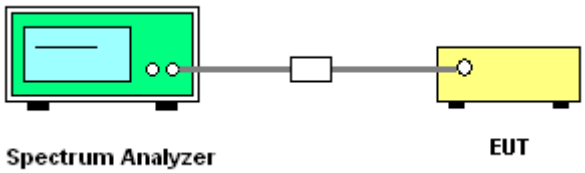
3.1.2 Measuring Instruments

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.

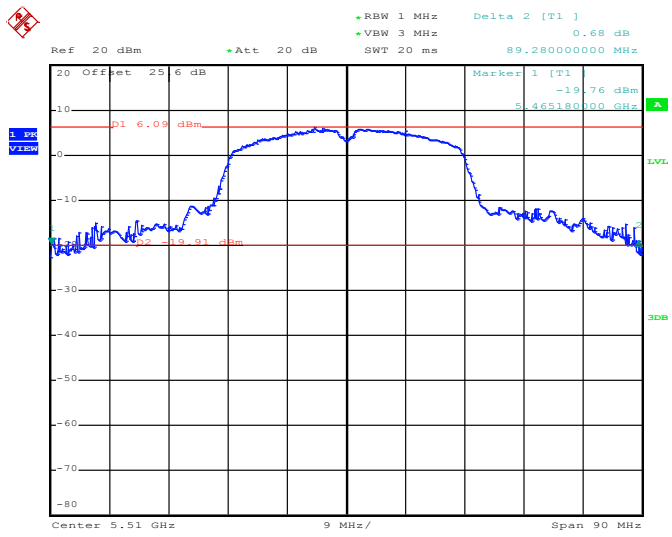
3.1.4 Test Setup



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

Please refer to Appendix A.

Maximum 26dB Bandwidth



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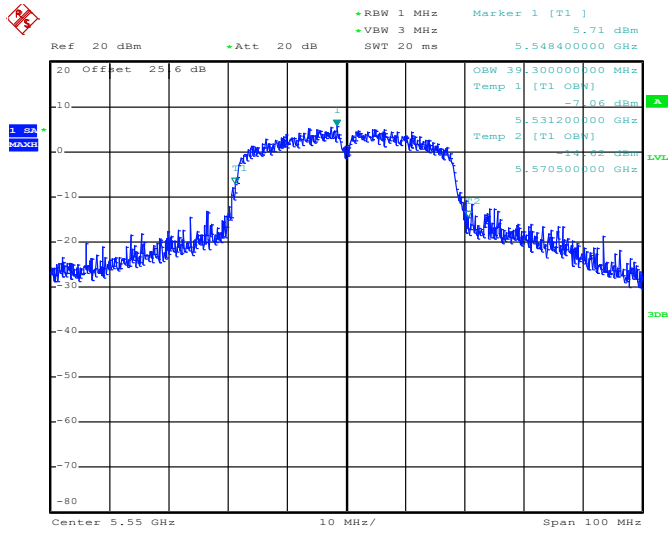
Maximum 99% Occupied Bandwidth



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3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

For the 5.25–5.35 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.

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.

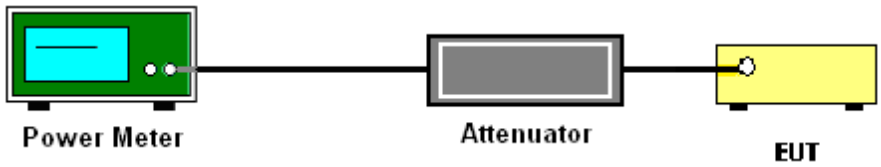
3.2.3 Test Procedures

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.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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.

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

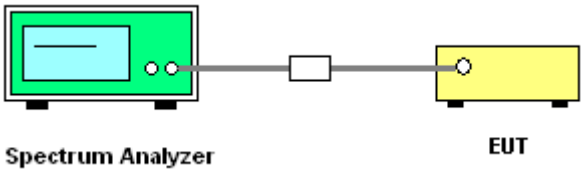
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01.
Section F) Maximum power spectral density.

 # 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.

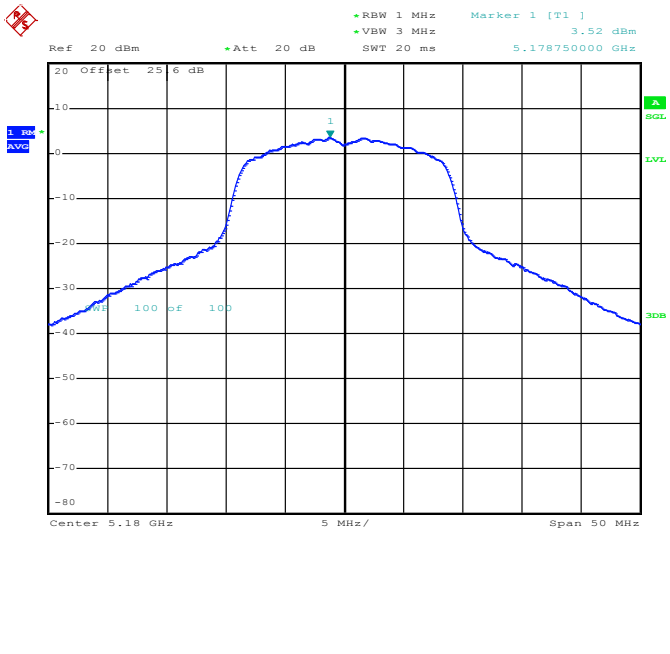
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Spectral Density(dBm/MHz)



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

3.4 Unwanted Radiated Emission 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 D01 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.

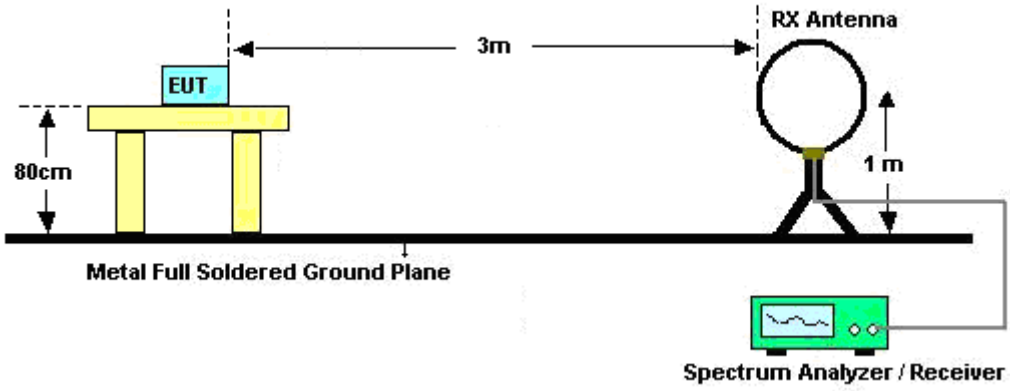
Band	Duty Cycle(%)	T(μs)	1/T(kHz)	VBW Setting
802.11a	85.21	1440.00	0.69	1kHz
802.11n HT20	83.75	1340.00	0.75	1kHz
802.11n HT40	72.17	664.00	1.51	3kHz

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.

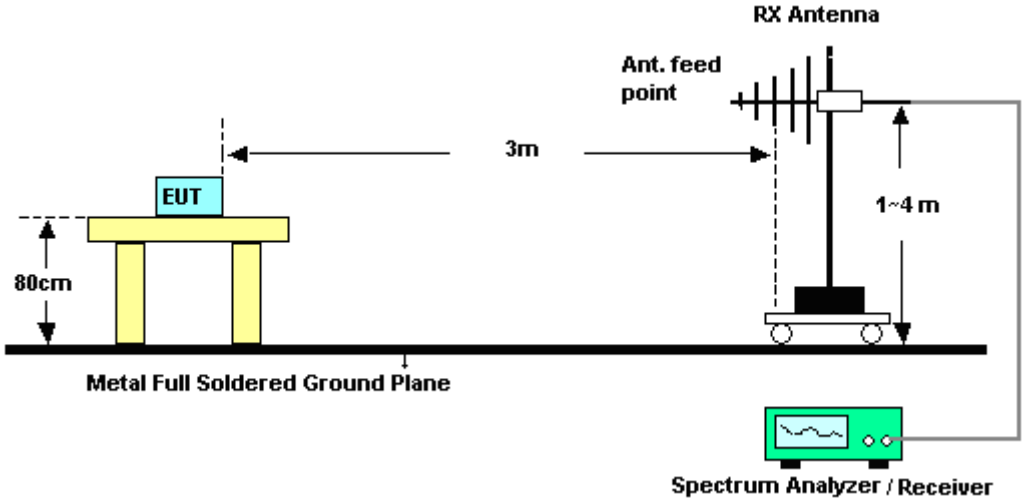
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst 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

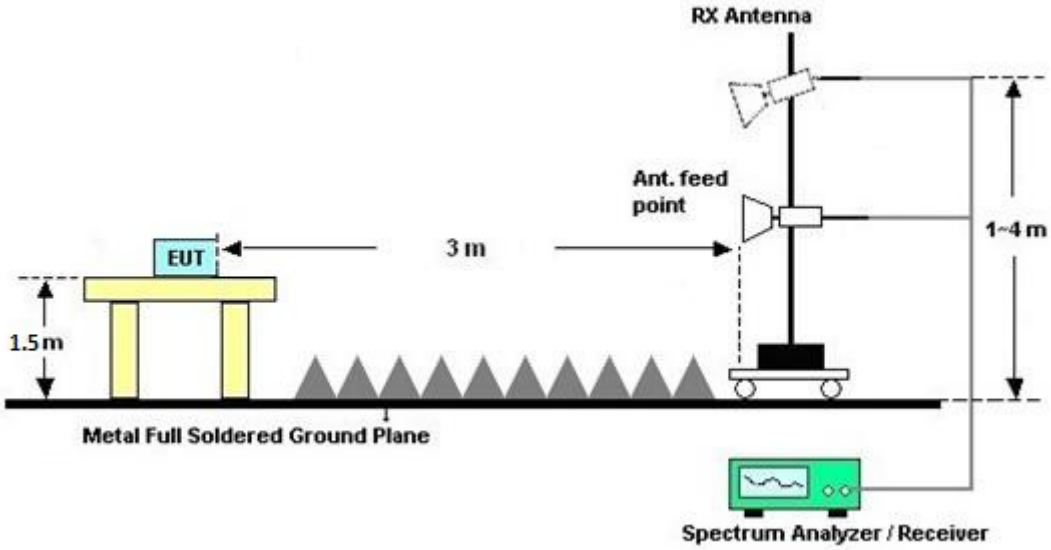
For radiated emissions below 30MHz



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 A and Appendix B.

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

Please refer to Appendix A and 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.

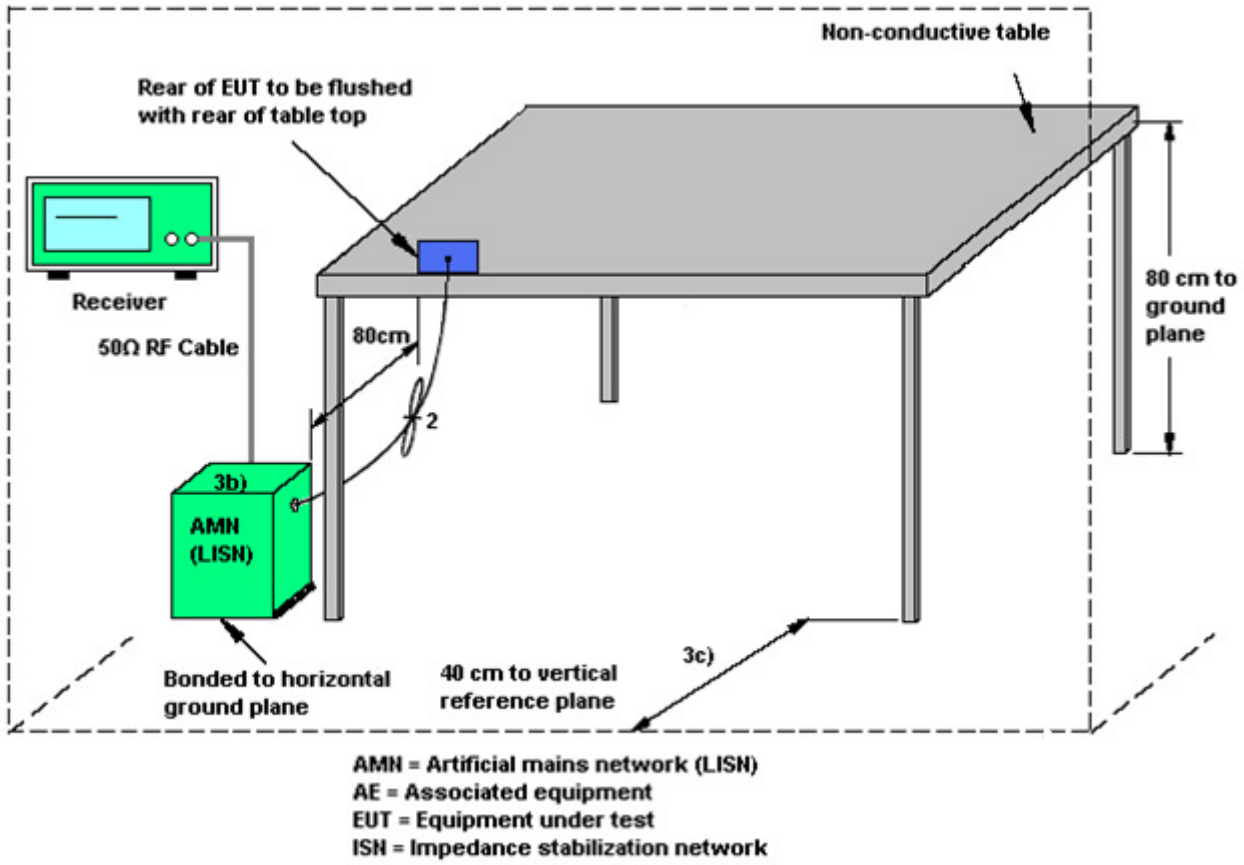
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

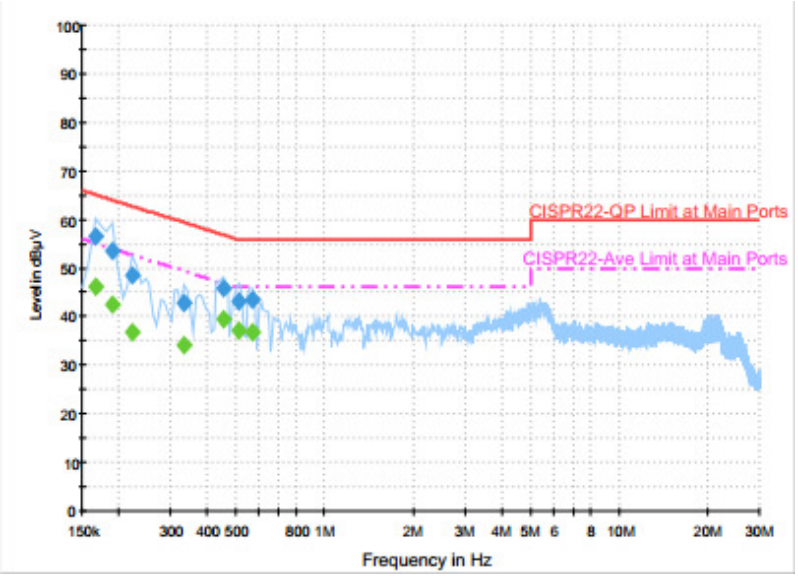
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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 :	51~52%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN (5GHz) Link + Bluetooth Link + Camera (Rear) + USB HDD + Adapter + Micro SD + Micro USB Cable (Data Link with Notebook) + Battery + Earphone		



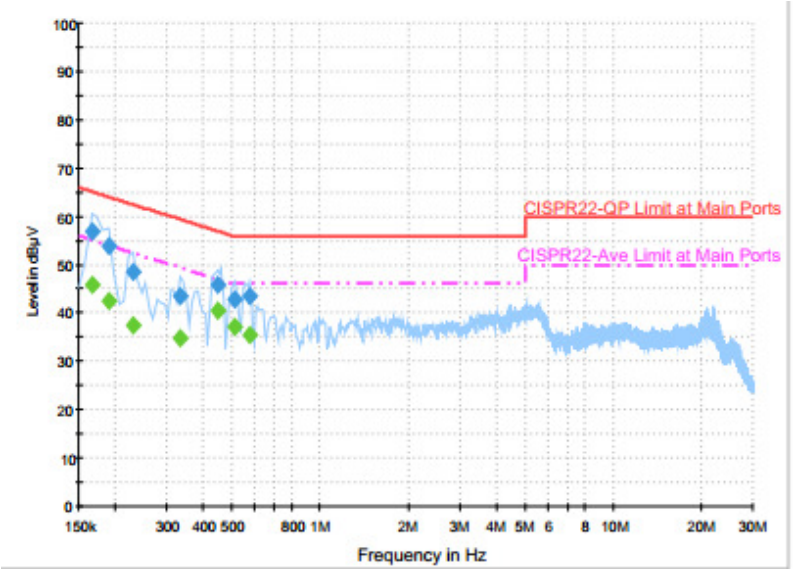
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	56.5	Off	L1	19.6	8.7	65.2
0.190000	53.5	Off	L1	19.6	10.5	64.0
0.222000	48.4	Off	L1	19.6	14.3	62.7
0.334000	42.8	Off	L1	19.6	16.6	59.4
0.454000	45.8	Off	L1	19.6	11.0	56.8
0.510000	43.1	Off	L1	19.6	12.9	56.0
0.566000	43.4	Off	L1	19.6	12.6	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	46.2	Off	L1	19.6	9.0	55.2
0.190000	42.4	Off	L1	19.6	11.6	54.0
0.222000	36.7	Off	L1	19.6	16.0	52.7
0.334000	34.0	Off	L1	19.6	15.4	49.4
0.454000	39.6	Off	L1	19.6	7.2	46.8
0.510000	37.1	Off	L1	19.6	8.9	46.0
0.566000	36.6	Off	L1	19.6	9.4	46.0

Test Mode :	Mode 1	Temperature :	24~25℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	51~52%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (5GHz) Link + Bluetooth Link + Camera (Rear) + USB HDD + Adapter + Micro SD + Micro USB Cable (Data Link with Notebook) + Battery + Earphone		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	56.9	Off	N	19.6	8.3	65.2
0.190000	53.8	Off	N	19.6	10.2	64.0
0.230000	48.4	Off	N	19.6	14.0	62.4
0.334000	43.6	Off	N	19.6	15.8	59.4
0.446000	45.7	Off	N	19.6	11.2	56.9
0.510000	42.9	Off	N	19.6	13.1	56.0
0.574000	43.6	Off	N	19.6	12.4	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	45.9	Off	N	19.6	9.3	55.2
0.190000	42.4	Off	N	19.6	11.6	54.0
0.230000	37.4	Off	N	19.6	15.0	52.4
0.334000	34.9	Off	N	19.6	14.5	49.4
0.446000	40.4	Off	N	19.6	6.5	46.9
0.510000	37.2	Off	N	19.6	8.8	46.0
0.574000	35.6	Off	N	19.6	10.4	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

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

4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1132003	300MHz~40GHz	Aug. 12, 2015	Jan. 04, 2016~ Jan. 14, 2016	Aug. 11, 2016	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Aug. 12, 2015	Jan. 04, 2016~ Jan. 14, 2016	Aug. 11, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 23, 2015	Jan. 04, 2016~ Jan. 14, 2016	Nov. 22, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	Jun. 15, 2015	Jan. 04, 2016~ Jan. 14, 2016	Jun. 14, 2016	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	GEO821763	N/A	Nov. 13, 2015	Jan. 04, 2016~ Jan. 14, 2016	Nov. 12, 2016	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Jan. 06, 2016~ Jan. 11, 2016	Sep. 01, 2016	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 20, 2015	Jan. 06, 2016~ Jan. 11, 2016	Nov. 19, 2016	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 08, 2015	Jan. 06, 2016~ Jan. 11, 2016	Oct. 07, 2016	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 19, 2015	Jan. 06, 2016~ Jan. 11, 2016	Nov. 18, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1902247	1GHz~18GHz	Jul. 01, 2015	Jan. 06, 2016~ Jan. 11, 2016	Jun. 30, 2016	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHZ	Sep. 24, 2015	Jan. 06, 2016~ Jan. 11, 2016	Sep. 23, 2016	Radiation (03CH11-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Feb. 02, 2015	Jan. 06, 2016~ Jan. 11, 2016	Feb. 01, 2016	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jan. 06, 2016~ Jan. 11, 2016	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0-360 degree	N/A	Jan. 06, 2016~ Jan. 11, 2016	N/A	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz to 1GHz	Nov. 17, 2015	Jan. 06, 2016~ Jan. 11, 2016	Nov. 16, 2016	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 20, 2015	Jan. 06, 2016~ Jan. 11, 2016	Apr. 19, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Jan. 06, 2016~ Jan. 11, 2016	Jun. 01, 2016	Radiation (03CH11-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 19, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 26, 2015	Jan. 19, 2016	Aug. 25, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Jan. 19, 2016	Dec. 01, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 14, 2015	Jan. 19, 2016	Dec. 13, 2016	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 08, 2016	Jan. 19, 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))	**2.26**

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 : FR5D2503E

Test Engineer:	An Wu	Temperature:	24~26	°C
Test Date:	2016/01/04 ~ 2016/01/14	Relative Humidity:	45~49	%

Report Number : FR5D2503E

TEST RESULTS DATA
26dB and 99% OBW

Band I										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)		
11a	6Mbps	1	36	5180	18.60	39.50	-	22.70		
11a	6Mbps	1	44	5220	19.20	40.50	-	22.83		
11a	6Mbps	1	48	5240	19.10	40.30	-	22.81		
HT20	MCS0	1	36	5180	19.65	40.30	-	22.93		
HT20	MCS0	1	44	5220	19.90	41.50	-	22.99		
HT20	MCS0	1	48	5240	19.60	41.00	-	22.92		
HT40	MCS0	1	38	5190	36.30	64.62	-	23.01		
HT40	MCS0	1	46	5230	37.40	85.68	-	23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.70	13.94	24.00	2.74		Pass
11a	6Mbps	1	44	5220	0.70	14.06	24.00	2.74		Pass
11a	6Mbps	1	48	5240	0.70	13.95	24.00	2.74		Pass
HT20	MCS0	1	36	5180	0.77	14.10	24.00	2.74		Pass
HT20	MCS0	1	44	5220	0.77	13.66	24.00	2.74		Pass
HT20	MCS0	1	48	5240	0.77	13.60	24.00	2.74		Pass
HT40	MCS0	1	38	5190	1.42	10.36	24.00	2.74		Pass
HT40	MCS0	1	46	5230	1.42	13.22	24.00	2.74		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.70	4.17	11.00	2.74		Pass
11a	6Mbps	1	44	5220	0.70	3.70	11.00	2.74		Pass
11a	6Mbps	1	48	5240	0.70	2.97	11.00	2.74		Pass
HT20	MCS0	1	36	5180	0.77	4.29	11.00	2.74		Pass
HT20	MCS0	1	44	5220	0.77	3.24	11.00	2.74		Pass
HT20	MCS0	1	48	5240	0.77	2.81	11.00	2.74		Pass
HT40	MCS0	1	38	5190	1.42	-3.19	11.00	2.74		Pass
HT40	MCS0	1	46	5230	1.42	-1.88	11.00	2.74		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6M bps	1	52	5260	18.95	39.8	23.78	29.78	23.98	
11a	6M bps	1	60	5300	19	39.9	23.79	29.79	23.98	
11a	6M bps	1	64	5320	19.45	41.9	23.89	29.89	23.98	
HT20	MCS 0	1	52	5260	19.9	40.9	23.98	29.99	23.98	
HT20	MCS 0	1	60	5300	19.55	40.4	23.91	29.91	23.98	
HT20	MCS 0	1	64	5320	19.95	40.4	23.98	30.00	23.98	
HT40	MCS 0	1	54	5270	36.9	80.64	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	37.3	85.32	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.70	13.82	23.98	1.58		Pass
11a	6M bps	1	60	5300	0.70	13.83	23.98	1.58		Pass
11a	6M bps	1	64	5320	0.70	13.76	23.98	1.58		Pass
HT20	MCS 0	1	52	5260	0.77	13.45	23.98	1.58		Pass
HT20	MCS 0	1	60	5300	0.77	13.57	23.98	1.58		Pass
HT20	MCS 0	1	64	5320	0.77	13.47	23.98	1.58		Pass
HT40	MCS 0	1	54	5270	1.42	13.01	23.98	1.58		Pass
HT40	MCS 0	1	62	5310	1.42	12.33	23.98	1.58		Pass

TEST RESULTS DATA
Power Spectral Density

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.70	3.12	11.00	1.58		Pass
11a	6M bps	1	60	5300	0.70	3.37	11.00	1.58		Pass
11a	6M bps	1	64	5320	0.70	2.87	11.00	1.58		Pass
HT20	MCS 0	1	52	5260	0.77	2.75	11.00	1.58		Pass
HT20	MCS 0	1	60	5300	0.77	3.10	11.00	1.58		Pass
HT20	MCS 0	1	64	5320	0.77	2.51	11.00	1.58		Pass
HT40	MCS 0	1	54	5270	1.42	-1.97	11.00	1.58		Pass
HT40	MCS 0	1	62	5310	1.42	-2.44	11.00	1.58		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6M bps	1	100	5500	19.45	42.2	23.89	29.89	23.98	
11a	6M bps	1	116	5580	19.75	41.3	23.96	29.96	23.98	
11a	6M bps	1	140	5700	19.95	42.1	23.98	30.00	23.98	
HT20	MCS 0	1	100	5500	20.1	42	23.98	30.00	23.98	
HT20	MCS 0	1	116	5580	19.95	41.7	23.98	30.00	23.98	
HT20	MCS 0	1	140	5700	20.03	42.7	23.98	30.00	23.98	
HT40	MCS 0	1	102	5510	38.2	89.28	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	39.3	87.84	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	38.3	89.28	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.70	13.74	23.98	2.64		Pass
11a	6M bps	1	116	5580	0.70	13.37	23.98	2.64		Pass
11a	6M bps	1	140	5700	0.70	13.71	23.98	2.64		Pass
HT20	MCS 0	1	100	5500	0.77	13.53	23.98	2.64		Pass
HT20	MCS 0	1	116	5580	0.77	13.30	23.98	2.64		Pass
HT20	MCS 0	1	140	5700	0.77	13.70	23.98	2.64		Pass
HT40	MCS 0	1	102	5510	1.42	11.54	23.98	2.64		Pass
HT40	MCS 0	1	110	5550	1.42	12.70	23.98	2.64		Pass
HT40	MCS 0	1	134	5670	1.42	12.92	23.98	2.64		Pass

TEST RESULTS DATA
Power Spectral Density

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.70	3.65	11.00	2.64		Pass
11a	6M bps	1	116	5580	0.70	3.61	11.00	2.64		Pass
11a	6M bps	1	140	5700	0.70	2.53	11.00	2.64		Pass
HT20	MCS 0	1	100	5500	0.77	3.13	11.00	2.64		Pass
HT20	MCS 0	1	116	5580	0.77	3.35	11.00	2.64		Pass
HT20	MCS 0	1	140	5700	0.77	2.48	11.00	2.64		Pass
HT40	MCS 0	1	102	5510	1.42	-2.76	11.00	2.64		Pass
HT40	MCS 0	1	110	5550	1.42	-2.56	11.00	2.64		Pass
HT40	MCS 0	1	134	5670	1.42	-2.21	11.00	2.64		Pass

Report Number : FR5D2503E

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	3.4	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	4.2	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.8	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	50	3.8	

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	3.4	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	4.2	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	3.8	

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	3.4	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	4.2	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	50	3.8	

Appendix B. Radiated Spurious Emission

Test Engineer :	Bill Kuo, Ken Wu and J.C. Liang	Temperature :	20~22°C
		Relative Humidity :	54~56%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5148.5	56.21	-17.79	74	49.15	31.58	8.95	33.47	225	9	P	H
		5149.7	46.7	-7.3	54	39.64	31.58	8.95	33.47	225	9	A	H
	*	5180	105.05	-	-	97.93	31.62	8.97	33.47	225	9	P	H
	*	5180	98.82	-	-	91.7	31.62	8.97	33.47	225	9	A	H
													H
													H
		5145.2	50.12	-23.88	74	43.06	31.58	8.95	33.47	313	1	P	V
		5150	43.31	-10.69	54	36.25	31.58	8.95	33.47	313	1	A	V
	*	5180	100.86	-	-	93.74	31.62	8.97	33.47	313	1	P	V
	*	5180	93.85	-	-	86.73	31.62	8.97	33.47	313	1	A	V
													V
													V
802.11a CH 44 5220MHz		5115.65	48.6	-25.4	74	41.61	31.54	8.92	33.47	182	2	P	H
		5114.75	41.53	-12.47	54	34.54	31.54	8.92	33.47	182	2	A	H
	*	5220	104.87	-	-	97.7	31.66	8.98	33.47	182	2	P	H
	*	5220	97.48	-	-	90.31	31.66	8.98	33.47	182	2	A	H
		5397.41	46.78	-27.22	74	39.25	31.88	9.13	33.48	182	2	P	H
		5458.9	37.63	-16.37	54	29.95	31.94	9.22	33.48	182	2	A	H
		5116.25	46.98	-27.02	74	39.99	31.54	8.92	33.47	223	286	P	V
		5115.05	39.72	-14.28	54	32.73	31.54	8.92	33.47	223	286	A	V
	*	5220	98.04	-	-	90.87	31.66	8.98	33.47	223	286	P	V
	*	5220	90.37	-	-	83.2	31.66	8.98	33.47	223	286	A	V
		5411.27	46.55	-27.45	74	38.98	31.88	9.17	33.48	223	286	P	V
		5448.01	37.74	-16.26	54	30.06	31.94	9.22	33.48	223	286	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		5139.65	48.28	-25.72	74	41.22	31.58	8.95	33.47	271	359	P	H
		5137.7	40.5	-13.5	54	33.46	31.56	8.95	33.47	271	359	A	H
	*	5240	104.41	-	-	97.22	31.68	8.98	33.47	271	359	P	H
	*	5240	96.14	-	-	88.95	31.68	8.98	33.47	271	359	A	H
		5431.62	47.11	-26.89	74	39.5	31.92	9.17	33.48	271	359	P	H
		5435.47	37.68	-16.32	54	30.07	31.92	9.17	33.48	271	359	A	H
		5053.85	47.42	-26.58	74	40.54	31.46	8.89	33.47	222	277	P	V
		5136.95	39.28	-14.72	54	32.24	31.56	8.95	33.47	222	277	A	V
	*	5240	97.84	-	-	90.65	31.68	8.98	33.47	222	277	P	V
	*	5240	89.38	-	-	82.19	31.68	8.98	33.47	222	277	A	V
		5413.8	46.14	-27.86	74	38.55	31.9	9.17	33.48	222	277	P	V
		5448.78	37.67	-16.33	54	29.99	31.94	9.22	33.48	222	277	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	42.03	-31.97	74	56.65	39.79	13.09	67.5	100	0	P	H
		15540	41.37	-32.63	74	51.61	38.6	16.55	65.39	100	0	P	H
													H
													H
		10360	41.65	-32.35	74	56.27	39.79	13.09	67.5	100	0	P	V
		15540	41.21	-32.79	74	51.45	38.6	16.55	65.39	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	41.46	-32.54	74	55.96	39.89	13.11	67.5	100	0	P	H
		15660	40.97	-33.03	74	51.55	38.23	16.56	65.37	100	0	P	H
													H
													H
		10440	40.42	-33.58	74	54.92	39.89	13.11	67.5	100	0	P	V
		15660	39.77	-34.23	74	50.35	38.23	16.56	65.37	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	42.08	-31.92	74	56.5	39.97	13.11	67.5	100	0	P	H
		15720	39.83	-34.17	74	50.59	38.03	16.57	65.36	100	0	P	H
													H
													H
		10480	42.36	-31.64	74	56.78	39.97	13.11	67.5	100	0	P	V
		15720	40.31	-33.69	74	51.07	38.03	16.57	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.15	59.88	-14.12	74	52.82	31.58	8.95	33.47	181	13	P	H
		5150	50.5	-3.5	54	43.44	31.58	8.95	33.47	181	13	A	H
	*	5180	105.96	-	-	98.84	31.62	8.97	33.47	181	13	P	H
	*	5180	99.02	-	-	91.9	31.62	8.97	33.47	181	13	A	H
802.11n													H
HT20													H
CH 36		5149.1	54.06	-19.94	74	47	31.58	8.95	33.47	400	37	P	V
5180MHz		5150	43.33	-10.67	54	36.27	31.58	8.95	33.47	400	37	A	V
	*	5179	99.61	-	-	92.49	31.62	8.97	33.47	400	37	P	V
	*	5179	92.52	-	-	85.4	31.62	8.97	33.47	400	37	A	V
													V
													V
		5119.25	49.97	-24.03	74	42.98	31.54	8.92	33.47	155	10	P	H
		5114.3	41.46	-12.54	54	34.47	31.54	8.92	33.47	155	10	A	H
	*	5220	104.4	-	-	97.23	31.66	8.98	33.47	155	10	P	H
	*	5220	98.57	-	-	91.4	31.66	8.98	33.47	155	10	A	H
802.11n		5412.15	46.28	-27.72	74	38.69	31.9	9.17	33.48	155	10	P	H
HT20		5453.62	37.66	-16.34	54	29.98	31.94	9.22	33.48	155	10	A	H
CH 44		5039.6	47.24	-26.76	74	40.39	31.46	8.86	33.47	400	38	P	V
5220MHz		5116.85	38.99	-15.01	54	32	31.54	8.92	33.47	400	38	A	V
	*	5220	98.16	-	-	90.99	31.66	8.98	33.47	400	38	P	V
	*	5220	91.67	-	-	84.5	31.66	8.98	33.47	400	38	A	V
		5444.82	46.97	-27.03	74	39.31	31.92	9.22	33.48	400	38	P	V
		5455.27	37.58	-16.42	54	29.9	31.94	9.22	33.48	400	38	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5138.6	49.06	-24.94	74	42.02	31.56	8.95	33.47	164	10	P	H
		5133.8	41.59	-12.41	54	34.55	31.56	8.95	33.47	164	10	A	H
	*	5241	105.52	-	-	98.33	31.68	8.98	33.47	164	10	P	H
	*	5241	98.29	-	-	91.1	31.68	8.98	33.47	164	10	A	H
802.11n		5420.84	46.89	-27.11	74	39.3	31.9	9.17	33.48	164	10	P	H
HT20		5449.22	37.67	-16.33	54	29.99	31.94	9.22	33.48	164	10	A	H
CH 48		5099.75	47.09	-26.91	74	40.12	31.52	8.92	33.47	391	34	P	V
5240MHz		5133.35	38.66	-15.34	54	31.62	31.56	8.95	33.47	391	34	A	V
	*	5240	98.01	-	-	90.82	31.68	8.98	33.47	391	34	P	V
	*	5240	91.33	-	-	84.14	31.68	8.98	33.47	391	34	A	V
		5352.75	47.04	-26.96	74	39.62	31.82	9.08	33.48	391	34	P	V
		5448.45	37.64	-16.36	54	29.96	31.94	9.22	33.48	391	34	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	41.43	-32.57	74	56.05	39.79	13.09	67.5	100	0	P	H
		15540	40.98	-33.02	74	51.22	38.6	16.55	65.39	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	41.52	-32.48	74	56.14	39.79	13.09	67.5	100	0	P	V
5180MHz		15540	40.37	-33.63	74	50.61	38.6	16.55	65.39	100	0	P	V
													V
													V
		10440	41.44	-32.56	74	55.94	39.89	13.11	67.5	100	0	P	H
		15660	40.3	-33.7	74	50.88	38.23	16.56	65.37	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	41.19	-32.81	74	55.69	39.89	13.11	67.5	100	0	P	V
5220MHz		15660	40.18	-33.82	74	50.76	38.23	16.56	65.37	100	0	P	V
													V
													V
		10480	40.71	-33.29	74	55.13	39.97	13.11	67.5	100	0	P	H
		15720	39.69	-34.31	74	50.45	38.03	16.57	65.36	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	41.15	-32.85	74	55.57	39.97	13.11	67.5	100	0	P	V
5240MHz		15720	40.36	-33.64	74	51.12	38.03	16.57	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.85	59.21	-14.79	74	52.15	31.58	8.95	33.47	165	9	P	H
		5149.55	52.83	-1.17	54	45.77	31.58	8.95	33.47	165	9	A	H
	*	5190	99.77	-	-	92.65	31.62	8.97	33.47	165	9	P	H
	*	5190	92.02	-	-	84.9	31.62	8.97	33.47	165	9	A	H
		5441.08	46.81	-27.19	74	39.2	31.92	9.17	33.48	165	9	P	H
		5456.26	38.4	-15.6	54	30.72	31.94	9.22	33.48	165	9	A	H
		5146.25	55.04	-18.96	74	47.98	31.58	8.95	33.47	160	265	P	V
		5150	47.11	-6.89	54	40.05	31.58	8.95	33.47	160	265	A	V
	*	5190	94.86	-	-	87.74	31.62	8.97	33.47	160	265	P	V
	*	5190	86.64	-	-	79.52	31.62	8.97	33.47	160	265	A	V
		5436.57	47	-27	74	39.39	31.92	9.17	33.48	160	265	P	V
		5429.42	38.48	-15.52	54	30.87	31.92	9.17	33.48	160	265	A	V
802.11n HT40 CH 46 5230MHz		5148.05	55.26	-18.74	74	48.2	31.58	8.95	33.47	169	11	P	H
		5136.8	44.82	-9.18	54	37.78	31.56	8.95	33.47	169	11	A	H
	*	5230	101.55	-	-	94.36	31.68	8.98	33.47	169	11	P	H
	*	5230	94.03	-	-	86.84	31.68	8.98	33.47	169	11	A	H
		5390.59	46.17	-27.83	74	38.66	31.86	9.13	33.48	169	11	P	H
		5447.13	38.29	-15.71	54	30.61	31.94	9.22	33.48	169	11	A	H
		5146.7	50.89	-23.11	74	43.83	31.58	8.95	33.47	151	265	P	V
		5138	41.64	-12.36	54	34.6	31.56	8.95	33.47	151	265	A	V
	*	5230	95.73	-	-	88.54	31.68	8.98	33.47	151	265	P	V
	*	5230	88.5	-	-	81.31	31.68	8.98	33.47	151	265	A	V
		5372	45.93	-28.07	74	38.44	31.84	9.13	33.48	151	265	P	V
		5452.19	38.31	-15.69	54	30.63	31.94	9.22	33.48	151	265	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	42.4	-31.6	74	57	39.81	13.09	67.5	100	0	P	H
		15570	40.87	-33.13	74	51.22	38.49	16.55	65.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	42.05	-31.95	74	56.65	39.81	13.09	67.5	100	0	P	V
5190MHz		15570	40.53	-33.47	74	50.88	38.49	16.55	65.39	100	0	P	V
													V
													V
		10460	41.65	-32.35	74	56.12	39.92	13.11	67.5	100	0	P	H
		15690	41.46	-32.54	74	52.13	38.13	16.56	65.36	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	41.55	-32.45	74	56.02	39.92	13.11	67.5	100	0	P	V
5230MHz		15690	40.85	-33.15	74	51.52	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 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5054	48.03	-25.97	74	41.15	31.46	8.89	33.47	155	11	P	H
		5150	39.92	-14.08	54	32.86	31.58	8.95	33.47	155	11	A	H
	*	5260	104.51	-	-	97.28	31.72	8.99	33.48	155	11	P	H
	*	5260	97.44	-	-	90.21	31.72	8.99	33.48	155	11	A	H
		5368.92	46.49	-27.51	74	39	31.84	9.13	33.48	155	11	P	H
		5362.98	38.27	-15.73	54	30.78	31.84	9.13	33.48	155	11	A	H
		5136.5	46.61	-27.39	74	39.57	31.56	8.95	33.47	387	36	P	V
		5148.8	38.46	-15.54	54	31.4	31.58	8.95	33.47	387	36	A	V
	*	5260	97.92	-	-	90.69	31.72	8.99	33.48	387	36	P	V
	*	5260	91.34	-	-	84.11	31.72	8.99	33.48	387	36	A	V
		5394.55	46.2	-27.8	74	38.67	31.88	9.13	33.48	387	36	P	V
		5436.13	37.72	-16.28	54	30.11	31.92	9.17	33.48	387	36	A	V
802.11a CH 60 5300MHz		5028.8	48.41	-25.59	74	41.58	31.44	8.86	33.47	182	102	P	H
		5028.65	39.38	-14.62	54	32.55	31.44	8.86	33.47	182	102	A	H
	*	5301	103.51	-	-	96.19	31.76	9.04	33.48	182	102	P	H
	*	5301	96.62	-	-	89.3	31.76	9.04	33.48	182	102	A	H
		5350.99	50.76	-23.24	74	43.34	31.82	9.08	33.48	182	102	P	H
		5351.32	38.78	-15.22	54	31.36	31.82	9.08	33.48	182	102	A	H
		5132.45	47.19	-26.81	74	40.15	31.56	8.95	33.47	367	41	P	V
		5030.6	38.64	-15.36	54	31.81	31.44	8.86	33.47	367	41	A	V
	*	5300	96.37	-	-	89.05	31.76	9.04	33.48	367	41	P	V
	*	5300	89.42	-	-	82.1	31.76	9.04	33.48	367	41	A	V
		5449.99	47	-27	74	39.32	31.94	9.22	33.48	367	41	P	V
		5458.68	37.8	-16.2	54	30.12	31.94	9.22	33.48	367	41	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz	*	5320	103.81	-	-	96.47	31.78	9.04	33.48	269	360	P	H
	*	5320	96.09	-	-	88.75	31.78	9.04	33.48	269	360	A	H
		5350.55	54.76	-19.24	74	47.34	31.82	9.08	33.48	269	360	P	H
		5350	46.05	-7.95	54	38.63	31.82	9.08	33.48	269	360	A	H
													H
													H
	*	5322	97.21	-	-	89.83	31.78	9.08	33.48	297	36	P	V
	*	5322	89.25	-	-	81.87	31.78	9.08	33.48	297	36	A	V
		5350.44	50.34	-23.66	74	42.92	31.82	9.08	33.48	297	36	P	V
		5350	40.98	-13.02	54	33.56	31.82	9.08	33.48	297	36	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	42.22	-31.78	74	56.55	40.01	13.14	67.48	100	0	P	H
		15780	38.88	-35.12	74	49.78	37.87	16.57	65.34	100	0	P	H
													H
													H
		10520	41.31	-32.69	74	55.64	40.01	13.14	67.48	100	0	P	V
		15780	38.36	-35.64	74	49.26	37.87	16.57	65.34	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	41.87	-32.13	74	56.01	40.06	13.2	67.4	100	0	P	H
		15900	38.68	-35.32	74	49.91	37.51	16.58	65.32	100	0	P	H
													H
													H
		10600	41.52	-32.48	74	55.66	40.06	13.2	67.4	100	0	P	V
		15900	38.79	-35.21	74	50.02	37.51	16.58	65.32	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	41.49	-32.51	74	55.54	40.08	13.23	67.36	100	0	P	H
		15960	39.11	-34.89	74	50.53	37.3	16.59	65.31	100	0	P	H
													H
													H
		10640	41.74	-32.26	74	55.79	40.08	13.23	67.36	100	0	P	V
		15960	38.07	-35.93	74	49.49	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 HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5118.5	46.82	-27.18	74	39.83	31.54	8.92	33.47	147	10	P	H
		5150	40.03	-13.97	54	32.97	31.58	8.95	33.47	147	10	A	H
	*	5261	104.54	-	-	97.31	31.72	8.99	33.48	147	10	P	H
	*	5261	97.04	-	-	89.81	31.72	8.99	33.48	147	10	A	H
802.11n		5428.65	47.11	-26.89	74	39.5	31.92	9.17	33.48	147	10	P	H
HT20		5366.17	38.13	-15.87	54	30.64	31.84	9.13	33.48	147	10	A	H
CH 52		5071.4	47.52	-26.48	74	40.62	31.48	8.89	33.47	387	36	P	V
5260MHz		5099	38.49	-15.51	54	31.52	31.52	8.92	33.47	387	36	A	V
	*	5259	97.63	-	-	90.4	31.72	8.99	33.48	387	36	P	V
	*	5259	90.25	-	-	83.02	31.72	8.99	33.48	387	36	A	V
		5413.58	46.31	-27.69	74	38.72	31.9	9.17	33.48	387	36	P	V
		5454.06	37.65	-16.35	54	29.97	31.94	9.22	33.48	387	36	A	V
		5042	48.02	-25.98	74	41.14	31.46	8.89	33.47	158	10	P	H
		5043.2	40.59	-13.41	54	33.71	31.46	8.89	33.47	158	10	A	H
	*	5300	103.83	-	-	96.51	31.76	9.04	33.48	158	10	P	H
	*	5300	96.31	-	-	88.99	31.76	9.04	33.48	158	10	A	H
802.11n		5354.95	47.13	-26.87	74	39.71	31.82	9.08	33.48	158	10	P	H
HT20		5350.22	38.41	-15.59	54	30.99	31.82	9.08	33.48	158	10	A	H
CH 60		5009	47.62	-26.38	74	40.81	31.42	8.86	33.47	312	36	P	V
5300MHz		5042.15	38.59	-15.41	54	31.71	31.46	8.89	33.47	312	36	A	V
	*	5300	96.97	-	-	89.65	31.76	9.04	33.48	312	36	P	V
	*	5300	89.87	-	-	82.55	31.76	9.04	33.48	312	36	A	V
		5379.81	46.75	-27.25	74	39.24	31.86	9.13	33.48	312	36	P	V
		5451.31	37.68	-16.32	54	30	31.94	9.22	33.48	312	36	A	V

	*	5320	103.39	-	-	96.05	31.78	9.04	33.48	265	0	P	H
	*	5320	95.64	-	-	88.3	31.78	9.04	33.48	265	0	A	H
		5352.97	55.51	-18.49	74	48.09	31.82	9.08	33.48	265	0	P	H
		5350.11	45.96	-8.04	54	38.54	31.82	9.08	33.48	265	0	A	H
802.11n													H
HT20													H
CH 64	*	5319	96.79	-	-	89.45	31.78	9.04	33.48	300	36	P	V
5320MHz	*	5319	89.14	-	-	81.8	31.78	9.04	33.48	300	36	A	V
		5350.77	50.06	-23.94	74	42.64	31.82	9.08	33.48	300	36	P	V
		5350.66	39.96	-14.04	54	32.54	31.82	9.08	33.48	300	36	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	41.34	-32.66	74	55.67	40.01	13.14	67.48	100	0	P	H
		15780	38.28	-35.72	74	49.18	37.87	16.57	65.34	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	41.52	-32.48	74	55.85	40.01	13.14	67.48	100	0	P	V
5260MHz		15780	38.67	-35.33	74	49.57	37.87	16.57	65.34	100	0	P	V
													V
													V
		10600	41.19	-32.81	74	55.33	40.06	13.2	67.4	100	0	P	H
		15900	40.01	-33.99	74	51.24	37.51	16.58	65.32	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	42.13	-31.87	74	56.27	40.06	13.2	67.4	100	0	P	V
5300MHz		15900	38.61	-35.39	74	49.84	37.51	16.58	65.32	100	0	P	V
													V
													V
		10640	40.19	-33.81	74	54.24	40.08	13.23	67.36	100	0	P	H
		15960	38.46	-35.54	74	49.88	37.3	16.59	65.31	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	42.12	-31.88	74	56.17	40.08	13.23	67.36	100	0	P	V
5320MHz		15960	38.69	-35.31	74	50.11	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5148.95	47.35	-26.65	74	40.29	31.58	8.95	33.47	158	12	P	H
		5150	39.6	-14.4	54	32.54	31.58	8.95	33.47	158	12	A	H
	*	5270	99.34	-	-	92.11	31.72	8.99	33.48	158	12	P	H
	*	5270	92.21	-	-	84.98	31.72	8.99	33.48	158	12	A	H
		5350.44	47.69	-26.31	74	40.27	31.82	9.08	33.48	158	12	P	H
		5350.77	39.34	-14.66	54	31.92	31.82	9.08	33.48	158	12	A	H
		5060.75	47.86	-26.14	74	40.96	31.48	8.89	33.47	159	262	P	V
		5057.15	39.01	-14.99	54	32.11	31.48	8.89	33.47	159	262	A	V
	*	5270	94.47	-	-	87.24	31.72	8.99	33.48	159	262	P	V
	*	5270	87.71	-	-	80.48	31.72	8.99	33.48	159	262	A	V
		5419.08	47.29	-26.71	74	39.7	31.9	9.17	33.48	159	262	P	V
		5433.6	38.3	-15.7	54	30.69	31.92	9.17	33.48	159	262	A	V
802.11n HT40 CH 62 5310MHz		5118.5	47.62	-26.38	74	40.63	31.54	8.92	33.47	158	10	P	H
		5069.45	39.56	-14.44	54	32.66	31.48	8.89	33.47	158	10	A	H
	*	5310	99.53	-	-	92.19	31.78	9.04	33.48	158	10	P	H
	*	5310	91.4	-	-	84.06	31.78	9.04	33.48	158	10	A	H
		5356.71	61.19	-12.81	74	53.77	31.82	9.08	33.48	158	10	P	H
		5350.11	53.16	-0.84	54	45.74	31.82	9.08	33.48	158	10	A	H
		5068.25	47.92	-26.08	74	41.02	31.48	8.89	33.47	177	262	P	V
		5084.9	39.31	-14.69	54	32.36	31.5	8.92	33.47	177	262	A	V
	*	5310	93.51	-	-	86.17	31.78	9.04	33.48	177	262	P	V
	*	5310	85.06	-	-	77.72	31.78	9.04	33.48	177	262	A	V
		5354.4	55.7	-18.3	74	48.28	31.82	9.08	33.48	177	262	P	V
		5350.11	47.85	-6.15	54	40.43	31.82	9.08	33.48	177	262	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	42.33	-31.67	74	56.64	40.02	13.14	67.47	100	0	P	H
		15810	39.87	-34.13	74	50.87	37.77	16.57	65.34	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	42.31	-31.69	74	56.62	40.02	13.14	67.47	100	0	P	V
5270MHz		15810	39.26	-34.74	74	50.26	37.77	16.57	65.34	100	0	P	V
													V
													V
		10620	40.39	-33.61	74	54.5	40.07	13.2	67.38	100	0	P	H
		15930	39.52	-34.48	74	50.84	37.41	16.58	65.31	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	41.57	-32.43	74	55.68	40.07	13.2	67.38	100	0	P	V
5310MHz		15930	37.9	-36.1	74	49.22	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 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5458.32	59.89	-14.11	74	52.21	31.94	9.22	33.48	234	349	P	H
		5470	65.58	-2.72	68.3	57.88	31.96	9.22	33.48	234	349	P	H
		5459.44	50.54	-3.46	54	42.86	31.94	9.22	33.48	234	349	P	H
	*	5501	103	-	-	95.23	32	9.26	33.49	234	349	P	H
		5501	96.61	-	-	88.84	32	9.26	33.49	234	349	A	H
													H
		5457.04	51.6	-22.4	74	43.92	31.94	9.22	33.48	260	24	P	V
		5469.36	53.86	-14.44	68.3	46.16	31.96	9.22	33.48	260	24	P	V
		5459.76	41.54	-12.46	54	33.86	31.94	9.22	33.48	260	24	P	V
	*	5500	96.86	-	-	89.08	32	9.26	33.48	260	24	P	V
		5500	90.78	-	-	83	32	9.26	33.48	260	24	A	V
													V
802.11a CH 116 5580MHz		5374.64	47.87	-26.13	74	40.38	31.84	9.13	33.48	152	130	P	H
		5469.52	38.48	-15.52	54	30.78	31.96	9.22	33.48	152	130	A	H
	*	5580	103.44	-	-	95.54	32.1	9.32	33.52	152	130	P	H
	*	5580	95.91	-	-	88.01	32.1	9.32	33.52	152	130	A	H
		5761.56	46.84	-27.16	74	38.57	32.36	9.49	33.58	152	130	P	H
		5763.4	38.82	-15.18	54	30.55	32.36	9.49	33.58	152	130	A	H
		5466.16	46.86	-27.14	74	39.16	31.96	9.22	33.48	298	160	P	V
		5462.48	37.83	-16.17	54	30.15	31.94	9.22	33.48	298	160	A	V
	*	5580	97.61	-	-	89.71	32.1	9.32	33.52	298	160	P	V
	*	5580	89.8	-	-	81.9	32.1	9.32	33.52	298	160	A	V
		5739.72	47.29	-26.71	74	39.08	32.34	9.44	33.57	298	160	P	V
		5761.64	38.73	-15.27	54	30.46	32.36	9.49	33.58	298	160	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz	*	5700	104.25	-	-	96.15	32.27	9.39	33.56	128	131	P	H
	*	5700	96.88	-	-	88.78	32.27	9.39	33.56	128	131	A	H
		5725	60.53	-13.47	74	52.35	32.31	9.44	33.57	128	131	P	H
		5725.08	52.32	-1.68	54	44.14	32.31	9.44	33.57	128	131	A	H
													H
													H
	*	5700	98.69	-	-	90.59	32.27	9.39	33.56	300	166	P	V
	*	5700	91.6	-	-	83.5	32.27	9.39	33.56	300	166	A	V
		5727.64	56.75	-17.25	74	48.57	32.31	9.44	33.57	300	166	P	V
		5725	47.43	-6.57	54	39.25	32.31	9.44	33.57	300	166	A	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	43.3	-30.7	74	56.52	40.3	13.48	67	100	0	P	H
		16500	44.97	-23.33	68.3	53.26	38.9	16.81	64	100	0	P	H
													H
													H
		11000	42.27	-31.73	74	55.49	40.3	13.48	67	100	0	P	V
		16500	43.68	-24.62	68.3	51.97	38.9	16.81	64	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	43.23	-30.77	74	55.99	40.17	13.64	66.57	100	0	P	H
		16740	46.73	-27.27	74	54.25	39.58	16.8	63.9	100	0	P	H
													H
													H
		11160	42.68	-31.32	74	55.44	40.17	13.64	66.57	100	0	P	V
		16740	44.27	-29.73	74	51.79	39.58	16.8	63.9	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	41.68	-32.32	74	53.79	39.98	13.87	65.96	100	0	P	H
		17100	46.34	-27.66	74	52.81	40.6	16.85	63.92	100	0	P	H
													H
													H
		11400	42.53	-31.47	74	54.64	39.98	13.87	65.96	100	0	P	V
		17100	48.37	-25.63	74	54.84	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 HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5453.36	62.57	-11.43	74	54.89	31.94	9.22	33.48	145	130	P	H
		5466.96	63.33	-4.97	68.3	55.63	31.96	9.22	33.48	145	130	P	H
		5459.45	50.71	-3.29	54	43.03	31.94	9.22	33.48	145	130	A	H
	*	5500	102.88	-	-	95.1	32	9.26	33.48	145	130	P	H
802.11n		5500	93.29	-	-	85.51	32	9.26	33.48	145	130	A	H
HT20													H
CH 100		5459.12	52.4	-21.6	74	44.72	31.94	9.22	33.48	138	36	P	V
5500MHz		5467.28	57.54	-10.76	68.3	49.84	31.96	9.22	33.48	138	36	P	V
		5459.67	44.03	-9.97	54	36.35	31.94	9.22	33.48	138	36	A	V
	*	5500	95.69	-	-	87.91	32	9.26	33.48	138	36	P	V
		5500	85.97	-	-	78.19	32	9.26	33.48	138	36	A	V
													V
		5372.56	46.45	-27.55	74	38.96	31.84	9.13	33.48	136	146	P	H
		5469.52	38.23	-15.77	54	30.53	31.96	9.22	33.48	136	146	A	H
	*	5580	102.97	-	-	95.07	32.1	9.32	33.52	136	146	P	H
	*	5580	94.33	-	-	86.43	32.1	9.32	33.52	136	146	A	H
802.11n		5732.68	47.22	-26.78	74	39.04	32.31	9.44	33.57	136	146	P	H
HT20		5742.04	38.81	-15.19	54	30.6	32.34	9.44	33.57	136	146	A	H
CH 116		5392.88	46.41	-27.59	74	38.9	31.86	9.13	33.48	130	37	P	V
5580MHz		5448.08	37.68	-16.32	54	30	31.94	9.22	33.48	130	37	A	V
	*	5580	95.54	-	-	87.64	32.1	9.32	33.52	130	37	P	V
	*	5580	87.08	-	-	79.18	32.1	9.32	33.52	130	37	A	V
		5733	46.92	-27.08	74	38.74	32.31	9.44	33.57	130	37	P	V
		5761.16	38.72	-15.28	54	30.5	32.36	9.44	33.58	130	37	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5700	102.13	-	-	94.03	32.27	9.39	33.56	140	133	P	H
	*	5700	95.36	-	-	87.26	32.27	9.39	33.56	140	133	A	H
		5725	63.1	-10.9	74	54.92	32.31	9.44	33.57	140	133	P	H
		5725	52.32	-1.68	54	44.14	32.31	9.44	33.57	140	133	A	H
802.11n													H
HT20													H
CH 140	*	5700	95.39	-	-	87.29	32.27	9.39	33.56	167	29	P	V
5700MHz	*	5700	88.62	-	-	80.52	32.27	9.39	33.56	167	29	A	V
		5725.48	55.65	-18.35	74	47.47	32.31	9.44	33.57	167	29	P	V
		5725	45.65	-8.35	54	37.47	32.31	9.44	33.57	167	29	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	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	44.52	-29.48	74	57.74	40.3	13.48	67	100	0	P	H
		16500	44.85	-29.15	74	53.14	38.9	16.81	64	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	44.47	-29.53	74	57.69	40.3	13.48	67	100	0	P	V
5500MHz		16500	43.08	-30.92	74	51.37	38.9	16.81	64	100	0	P	V
													V
													V
		11160	43.03	-30.97	74	55.79	40.17	13.64	66.57	100	0	P	H
		16740	44.31	-29.69	74	51.83	39.58	16.8	63.9	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	43.34	-30.66	74	56.1	40.17	13.64	66.57	100	0	P	V
5580MHz		16740	45.72	-28.28	74	53.24	39.58	16.8	63.9	100	0	P	V
													V
													V
		11400	42.47	-31.53	74	54.58	39.98	13.87	65.96	100	0	P	H
		17100	46.15	-27.85	74	52.62	40.6	16.85	63.92	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	41.79	-32.21	74	53.9	39.98	13.87	65.96	100	0	P	V
5700MHz		17100	48.62	-25.38	74	55.09	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	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)
		5459.92	62.98	-11.02	74	55.3	31.94	9.22	33.48	355	262	P	H
		5469.84	68.16	-0.14	68.3	60.46	31.96	9.22	33.48	355	262	P	H
		5458	53.91	-0.09	54	46.23	31.94	9.22	33.48	355	262	A	H
	*	5510	99.44	-	-	91.67	32	9.26	33.49	355	262	P	H
802.11n		5510	91.75	-	-	83.98	32	9.26	33.49	355	262	A	H
HT40		5749.72	47.46	-20.84	68.3	39.25	32.34	9.44	33.57	355	262	P	H
CH 102		5454.8	55.91	-18.09	74	48.23	31.94	9.22	33.48	297	131	P	V
5510MHz		5468.24	61.41	-6.89	68.3	53.71	31.96	9.22	33.48	297	131	P	V
		5458.79	47.48	-6.52	54	39.8	31.94	9.22	33.48	297	131	A	V
	*	5510	91.2	-	-	83.43	32	9.26	33.49	297	131	P	V
		5510	83.66	-	-	75.89	32	9.26	33.49	297	131	A	V
		5760.6	47.31	-20.99	68.3	39.09	32.36	9.44	33.58	297	131	P	V
		5464.4	59.91	-14.09	74	52.21	31.96	9.22	33.48	100	161	P	H
		5469.52	49.66	-4.34	54	41.96	31.96	9.22	33.48	100	161	A	H
	*	5550	99.12	-	-	91.26	32.07	9.29	33.5	100	161	P	H
	*	5550	90.44	-	-	82.58	32.07	9.29	33.5	100	161	A	H
802.11n		5738.6	47.42	-26.58	74	39.21	32.34	9.44	33.57	100	161	P	H
HT40		5740.44	39.45	-14.55	54	31.24	32.34	9.44	33.57	100	161	A	H
CH 110		5445.52	56.38	-17.62	74	48.7	31.94	9.22	33.48	246	26	P	V
5550MHz		5470	48.86	-5.14	54	41.16	31.96	9.22	33.48	246	26	A	V
	*	5550	97.2	-	-	89.34	32.07	9.29	33.5	246	26	P	V
	*	5550	88.78	-	-	80.92	32.07	9.29	33.5	246	26	A	V
		5761.96	47.26	-26.74	74	38.99	32.36	9.49	33.58	246	26	P	V
		5755.08	39.38	-14.62	54	31.15	32.36	9.44	33.57	246	26	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5464.24	46.58	-27.42	74	38.88	31.96	9.22	33.48	136	128	P	H
		5469.2	38.7	-15.3	54	31	31.96	9.22	33.48	136	128	A	H
	*	5670	99.66	-	-	91.62	32.24	9.35	33.55	136	128	P	H
	*	5670	91.75	-	-	83.71	32.24	9.35	33.55	136	128	A	H
802.11n		5728.04	59.53	-14.47	74	51.35	32.31	9.44	33.57	136	128	P	H
HT40		5726.04	50.86	-3.14	54	42.68	32.31	9.44	33.57	136	128	A	H
CH 134		5451.12	47.42	-26.58	74	39.74	31.94	9.22	33.48	249	28	P	V
5670MHz		5463.76	38.76	-15.24	54	31.06	31.96	9.22	33.48	249	28	A	V
	*	5670	98.36	-	-	90.32	32.24	9.35	33.55	249	28	P	V
	*	5670	90.37	-	-	82.33	32.24	9.35	33.55	249	28	A	V
		5733.96	59.99	-14.01	74	51.81	32.31	9.44	33.57	249	28	P	V
		5727.48	49.4	-4.6	54	41.22	32.31	9.44	33.57	249	28	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	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)
		11020	43.04	-30.96	74	56.23	40.29	13.48	66.96	100	0	P	H
		16530	40.26	-28.04	68.3	48.44	39	16.81	63.99	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	43.03	-30.97	74	56.22	40.29	13.48	66.96	100	0	P	V
5510MHz		16530	42.85	-25.45	68.3	51.03	39	16.81	63.99	100	0	P	V
													V
													V
		11100	42.86	-31.14	74	55.82	40.22	13.56	66.74	100	0	P	H
		16650	42.66	-31.34	74	50.47	39.33	16.8	63.94	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	42.48	-31.52	74	55.44	40.22	13.56	66.74	100	0	P	V
5550MHz		16650	43.46	-30.54	74	51.27	39.33	16.8	63.94	100	0	P	V
													V
													V
		11340	42.44	-31.56	74	54.75	40.03	13.79	66.13	100	0	P	H
		17010	44.43	-29.57	74	51.1	40.35	16.8	63.82	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	42.5	-31.5	74	54.81	40.03	13.79	66.13	100	0	P	V
5670MHz		17010	44.05	-29.95	74	50.72	40.35	16.8	63.82	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		76.71	28.24	-11.76	40	45.76	13.23	1.04	31.79	-	-	P	H
		105.06	31.8	-11.7	43.5	45.65	16.65	1.28	31.78	-	-	P	H
		123.42	32.54	-10.96	43.5	45.25	17.79	1.28	31.78	145	352	P	H
		345.5	32.05	-13.95	46	40.69	20.97	2.17	31.78	-	-	P	H
		537.3	31.43	-14.57	46	35.99	24.62	2.77	31.95	-	-	P	H
		575.8	30.67	-15.33	46	34.51	25.27	2.89	32	-	-	P	H
													H
													H
													H
													H
													H
													H
		38.37	37.99	-2.01	40	48.28	20.86	0.67	31.82	312	54	P	V
		149.61	28.47	-15.03	43.5	41.34	17.45	1.46	31.78	-	-	P	V
		222.24	25.88	-20.12	46	39.53	16.34	1.79	31.78	-	-	P	V
		345.5	31.34	-14.66	46	39.98	20.97	2.17	31.78	-	-	P	V
		537.3	29.68	-16.32	46	34.24	24.62	2.77	31.95	-	-	P	V
		575.8	32.3	-13.7	46	36.14	25.27	2.89	32	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

1. Level(dBµV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

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

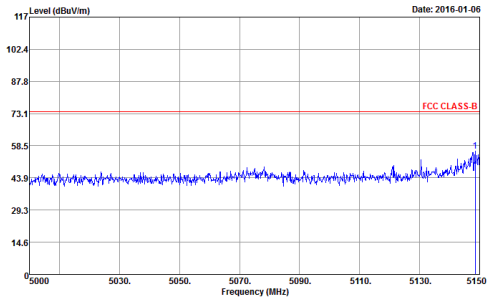
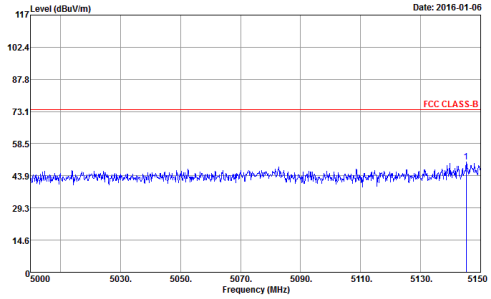
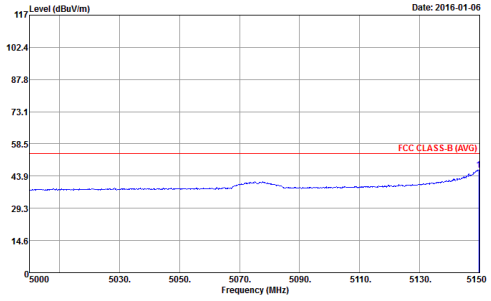
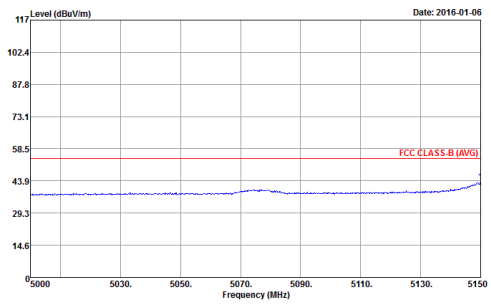
Appendix C. Radiated Spurious Emission Plot

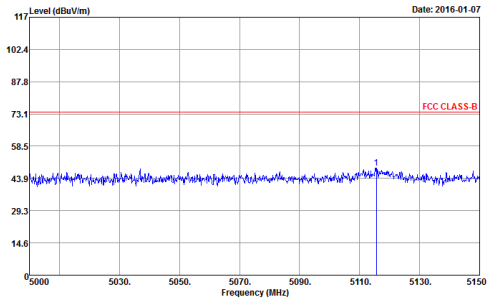
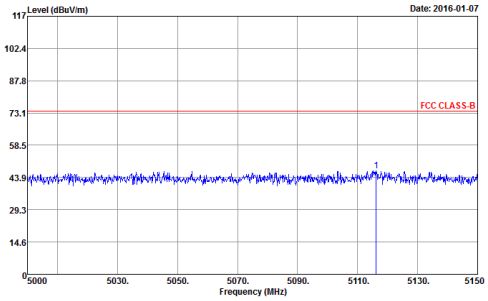
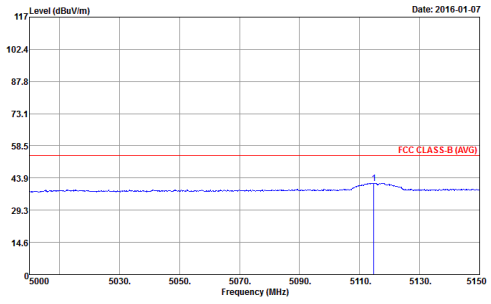
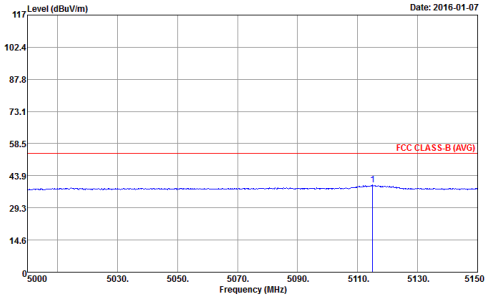
Note symbol

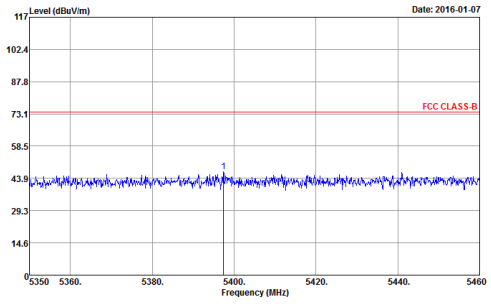
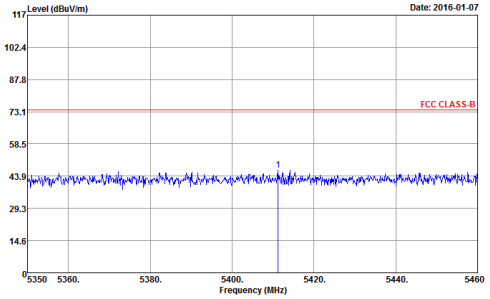
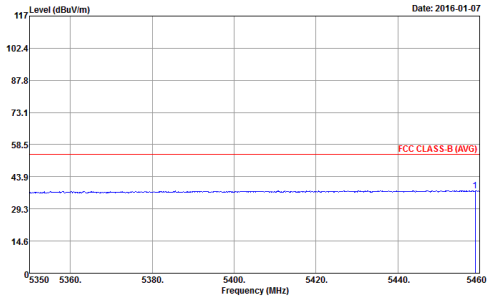
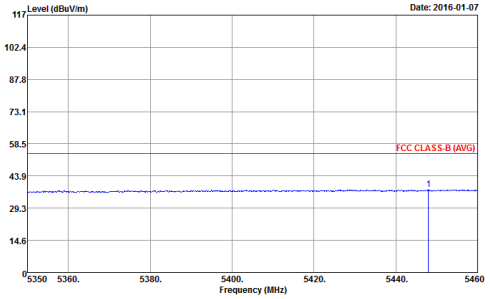
-L	**Low channel location**
-R	**High channel location**

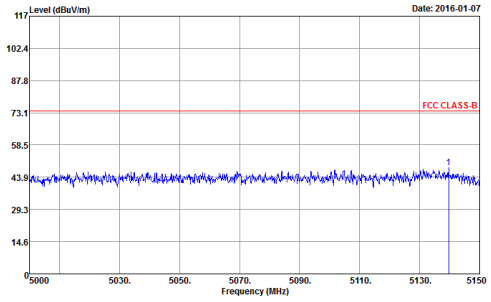
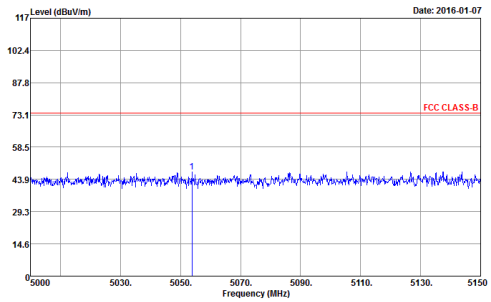
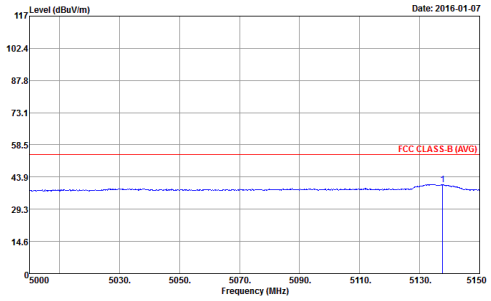
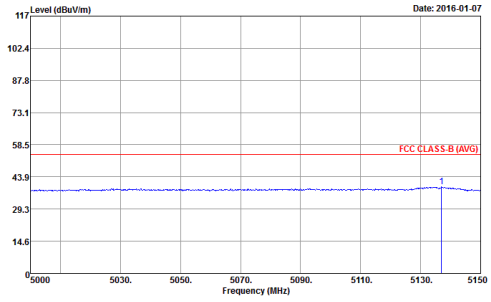
Band 1 - 5150~5250MHz

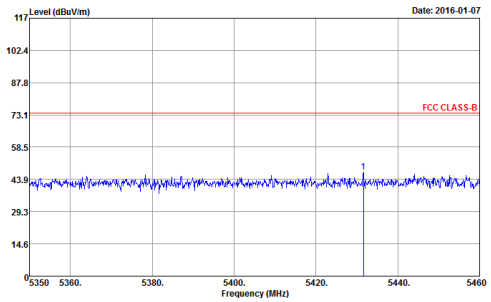
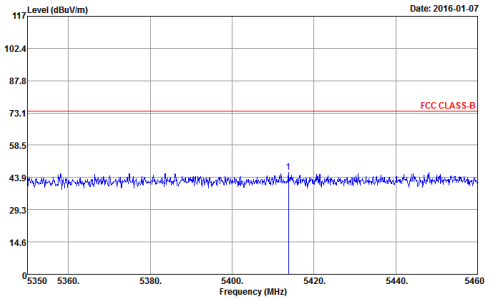
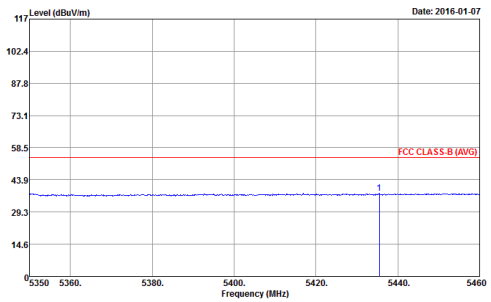
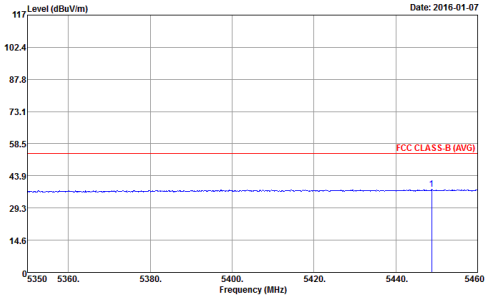
WIFI 802.11a (Band Edge @ 3m)

WIFI	**Band 1 5150~5250MHz Band Edge @ 3m**	
ANT	**802.11a CH36 5180MHz**	
1	**Horizontal**	**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 5D2503 Mode : 1	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 1
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 5D2503 Mode : 1	 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 5D2503 Mode : 1

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	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 5D2503 Mode : 2	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 2
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 5D2503 Mode : 2	 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 5D2503 Mode : 2

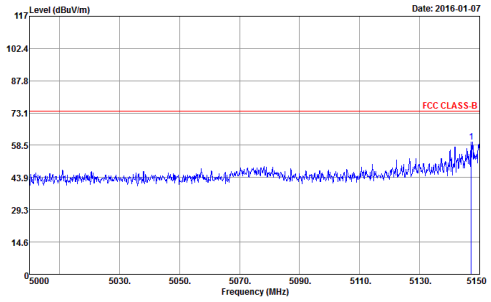
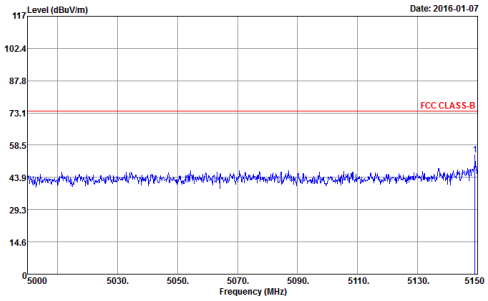
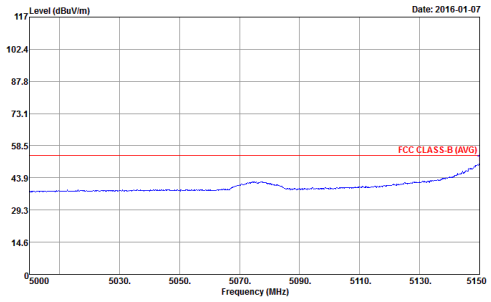
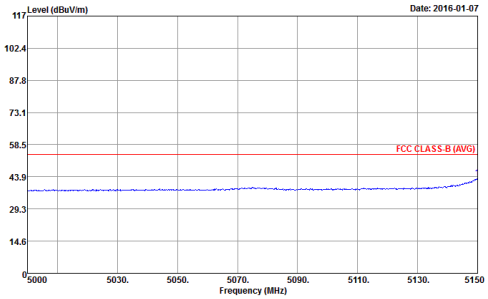
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 2	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 2
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 5D2503 Mode : 2	 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 5D2503 Mode : 2

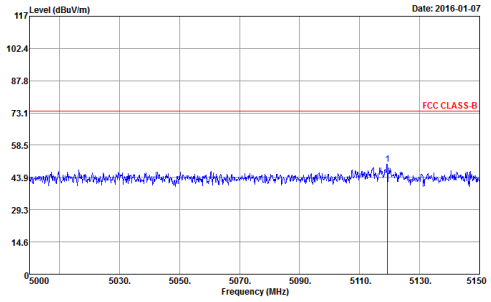
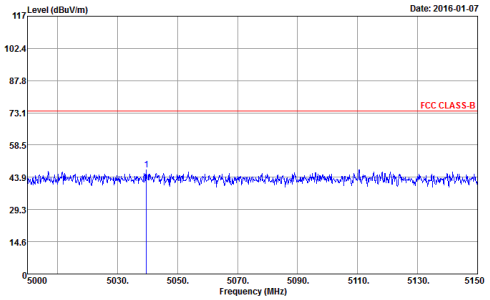
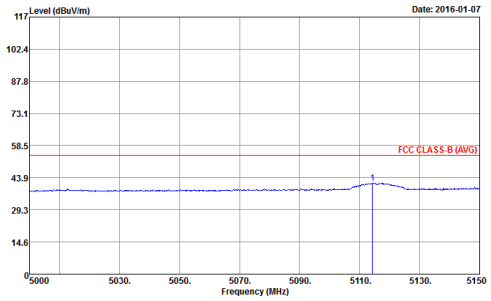
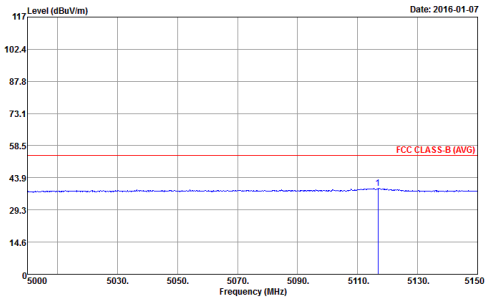
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 3	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 3
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 5D2503 Mode : 3	 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 5D2503 Mode : 3

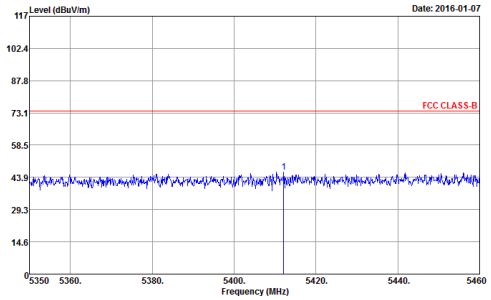
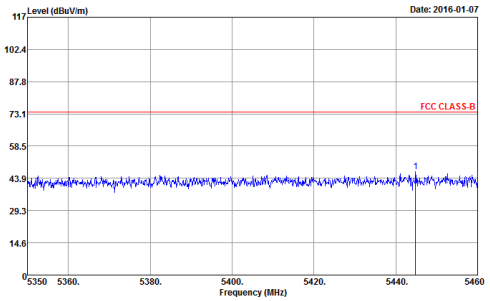
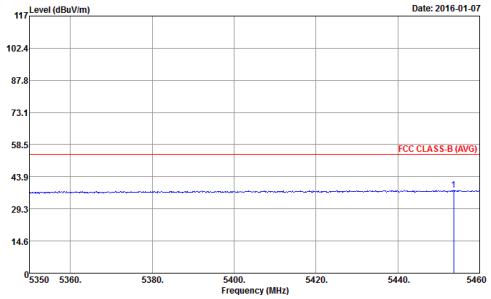
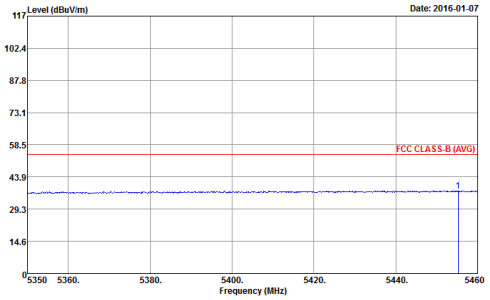
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 3	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 3
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 5D2503 Mode : 3	 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 5D2503 Mode : 3

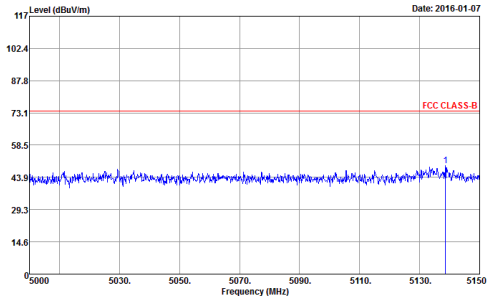
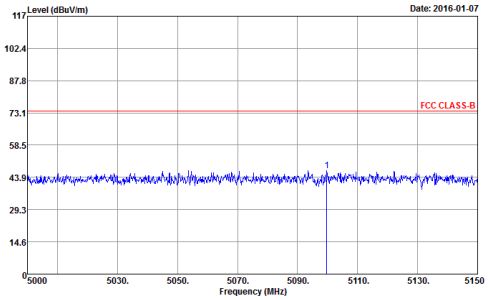
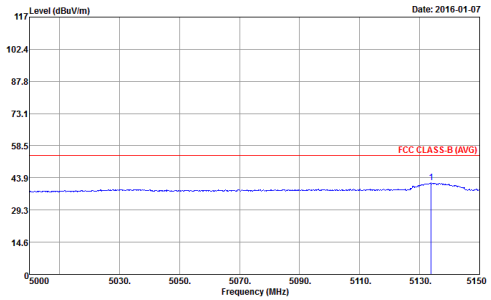
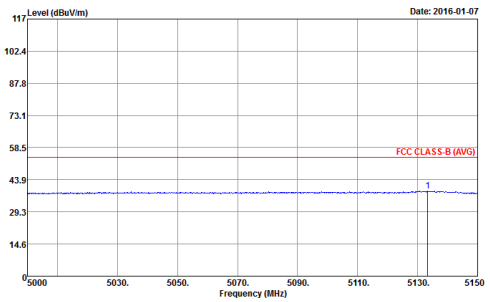
Band 1 5150~5250MHz

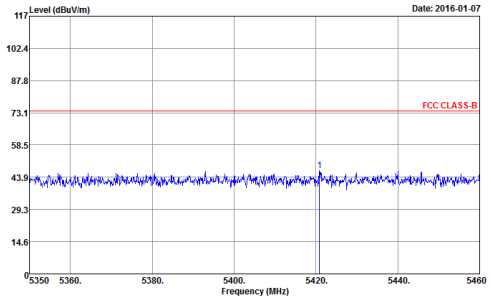
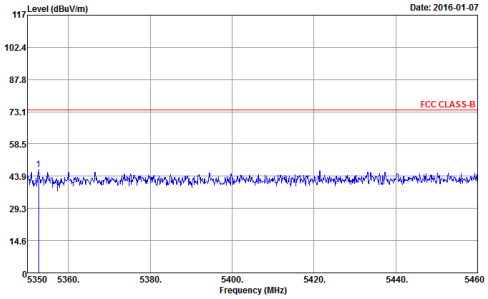
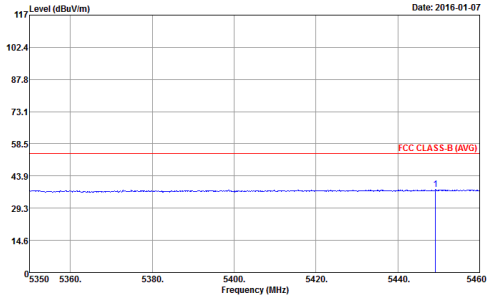
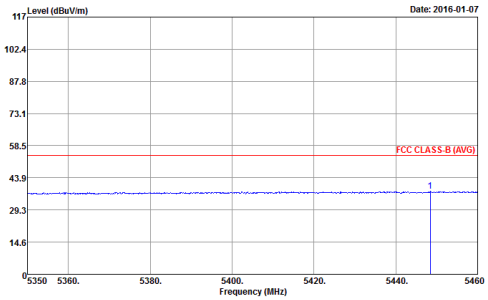
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	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 : 5D2503 Mode : 10	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 10
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 : 5D2503 Mode : 10	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 10

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	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 : 5D2503 Mode : 11	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 11
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 : 5D2503 Mode : 11	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 11

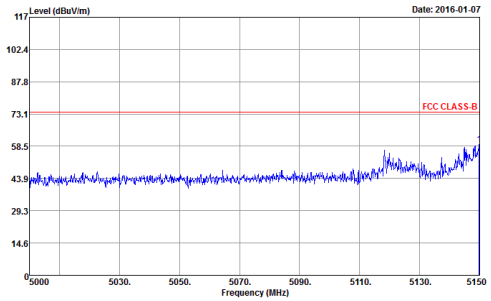
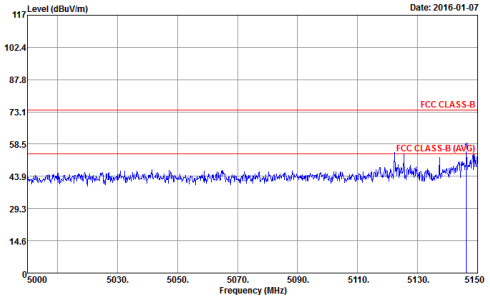
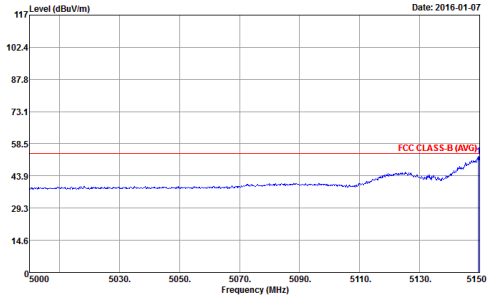
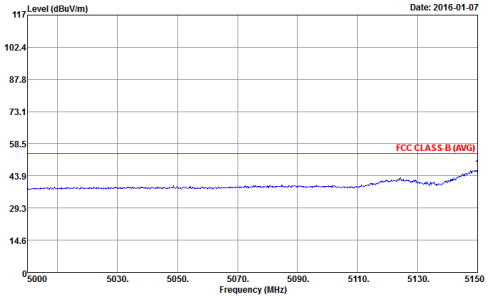
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 11	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 11
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 : 5D2503 Mode : 11	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 11

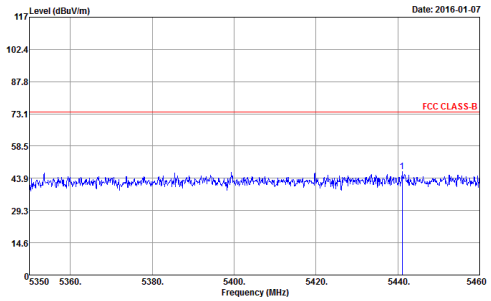
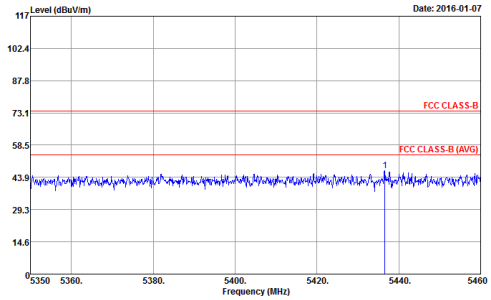
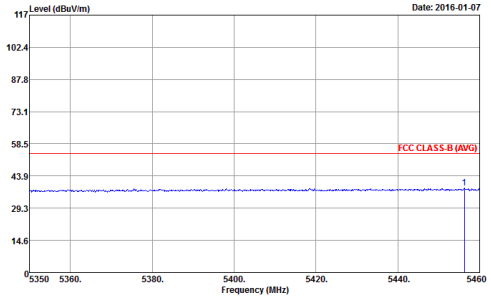
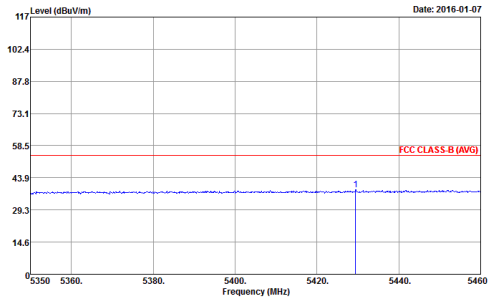
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 12	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 12
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 : 5D2503 Mode : 12	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 12

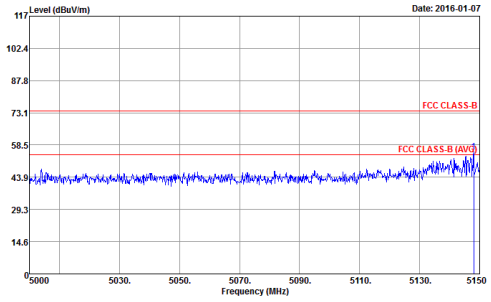
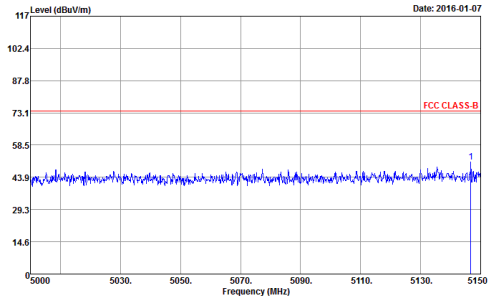
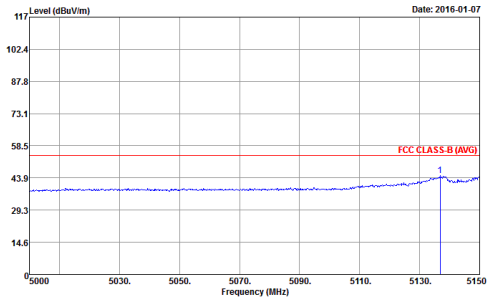
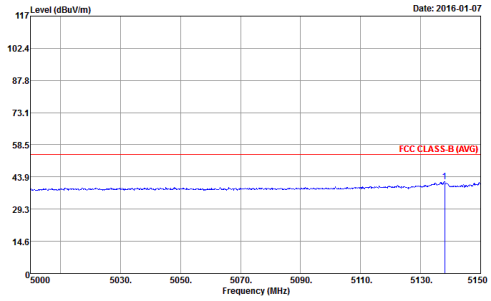
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 12	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 12
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 : 5D2503 Mode : 12	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 12

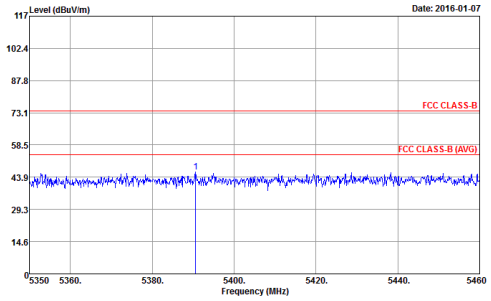
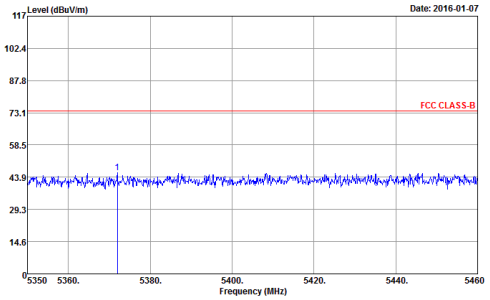
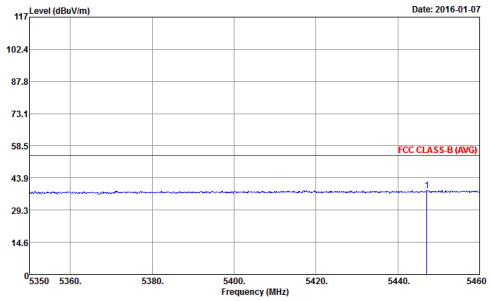
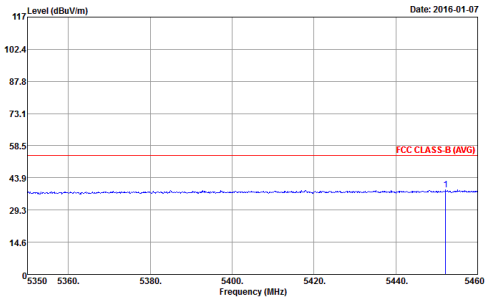
Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	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 : 5D2503 Mode : 19 Setting : 16000	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 19 Setting : 16000
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 : 5D2503 Mode : 19 Setting : 16000	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 19 Setting : 16000

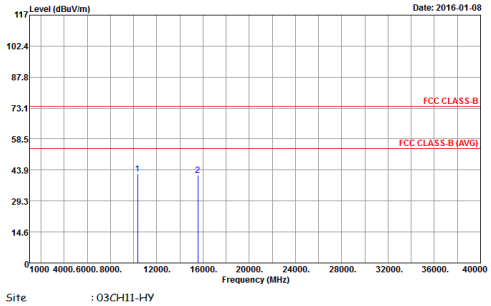
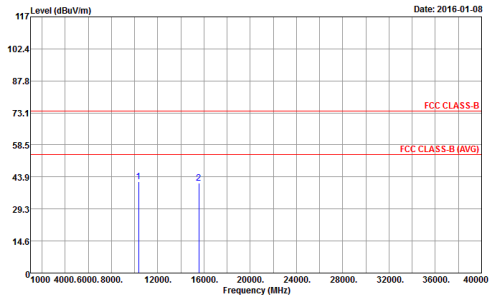
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 19 Setting : 16000	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 19 Setting : 16000
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 : 5D2503 Mode : 19 Setting : 16000	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 19 Setting : 16000

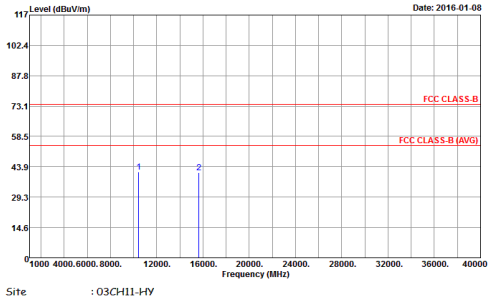
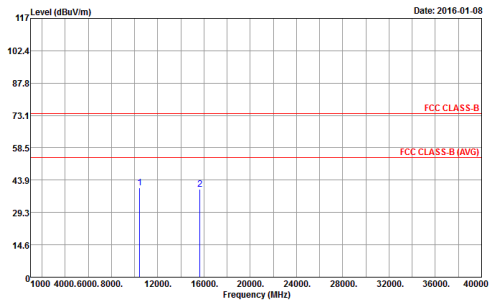
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 20	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 20
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 : 5D2503 Mode : 20	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 20

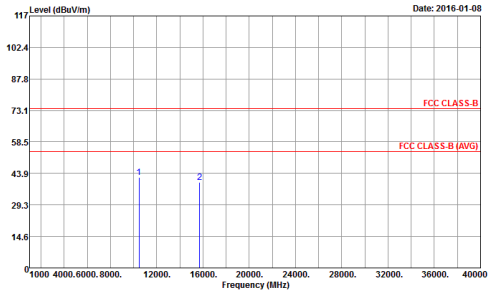
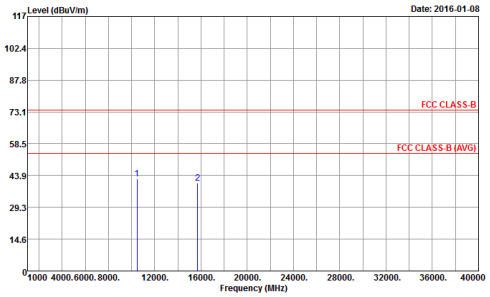
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 20	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 20
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 : 5D2503 Mode : 20	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 20

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

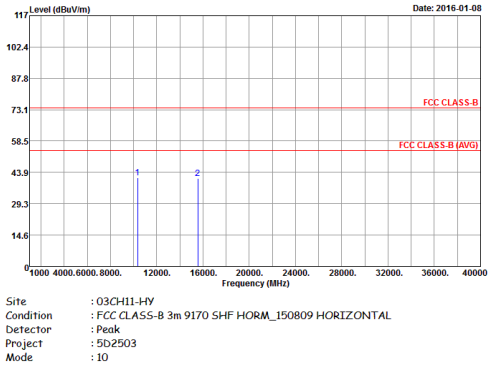
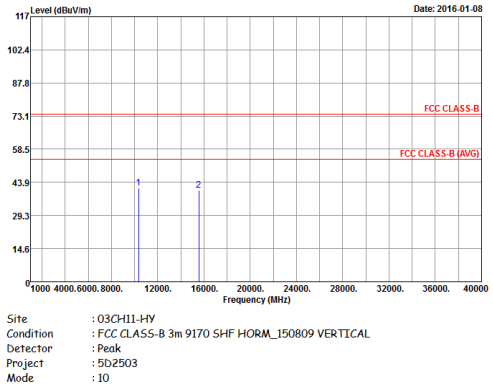
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 1	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 1

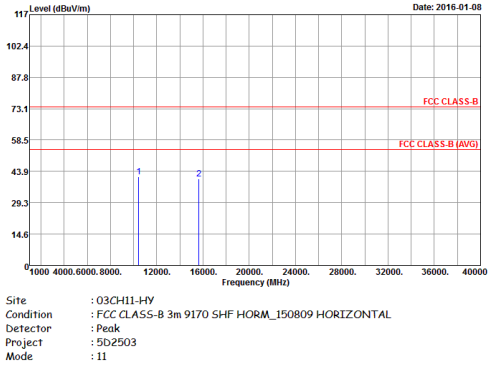
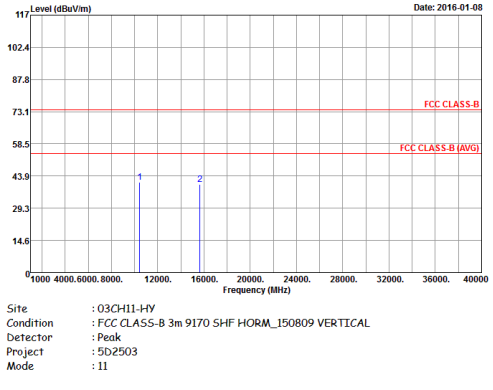
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 2	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 2

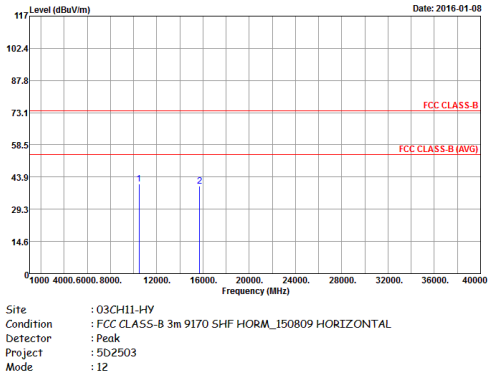
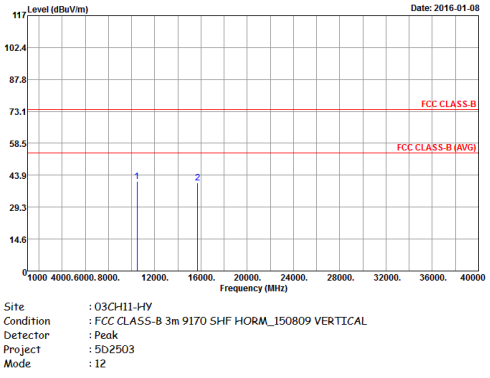
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 3	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 3

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

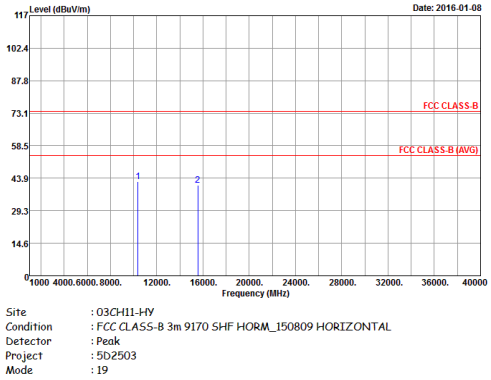
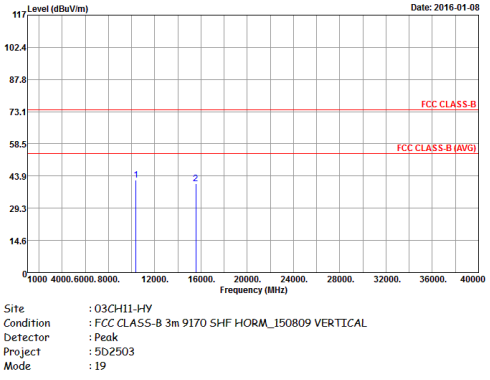
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

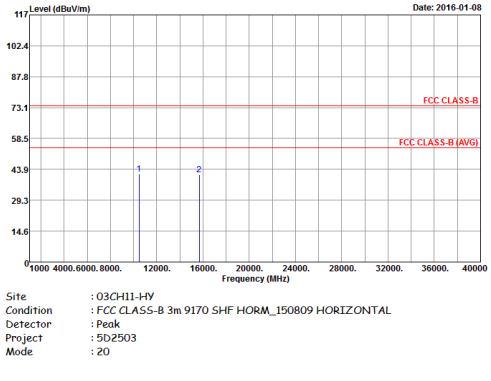
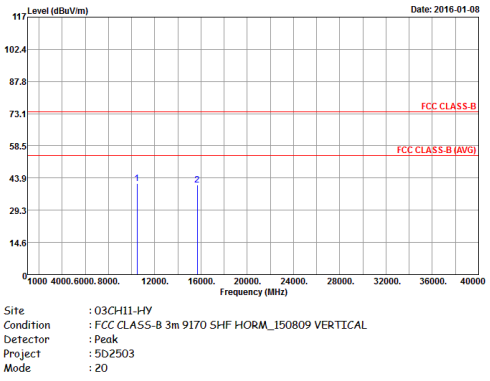
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 12	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 12

Band 1 5150~5250MHz

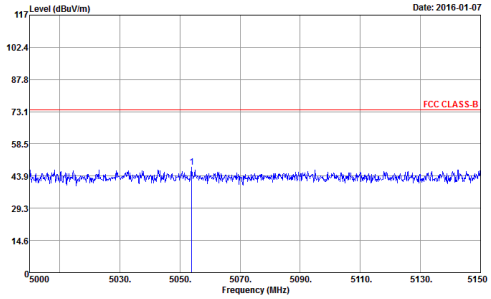
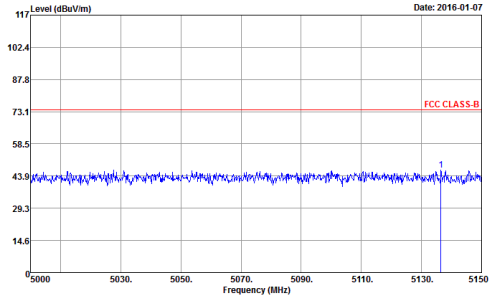
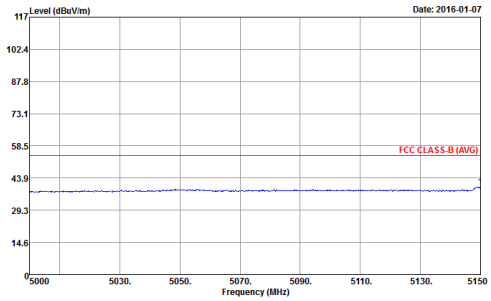
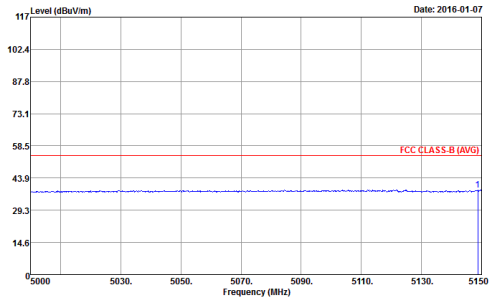
WIFI 802.11n HT40 (Harmonic @ 3m)

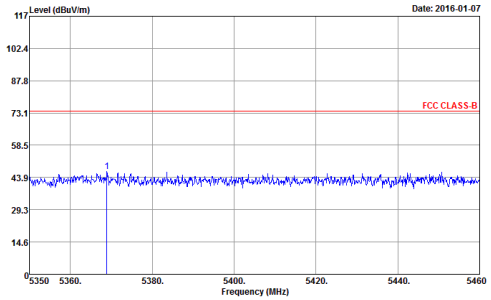
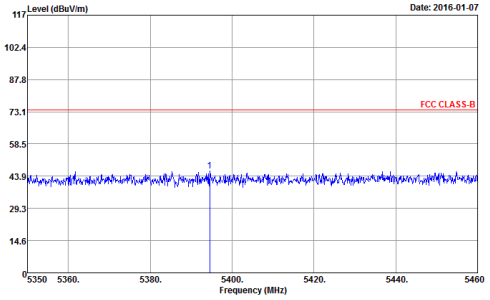
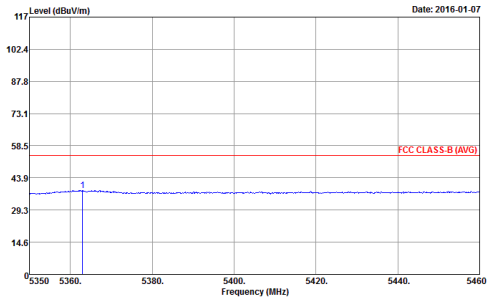
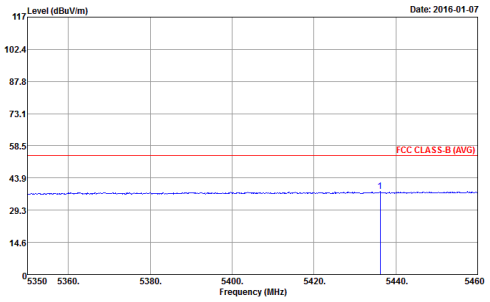
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

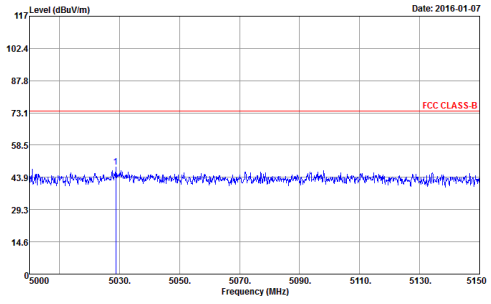
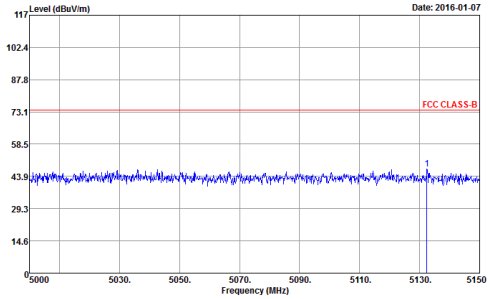
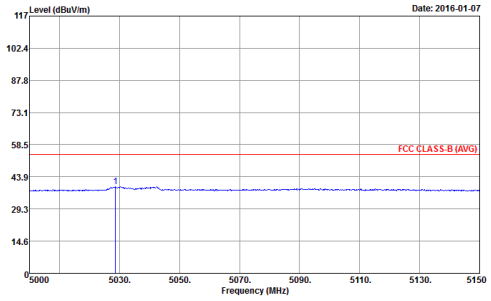
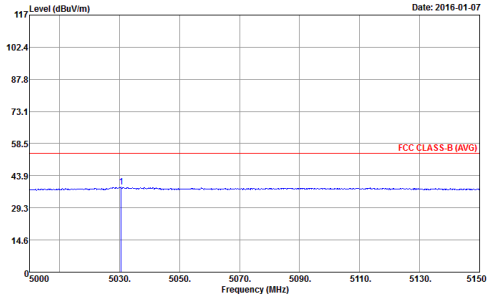
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

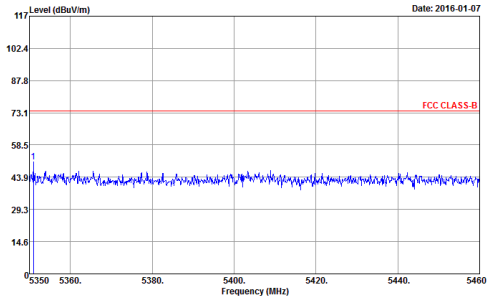
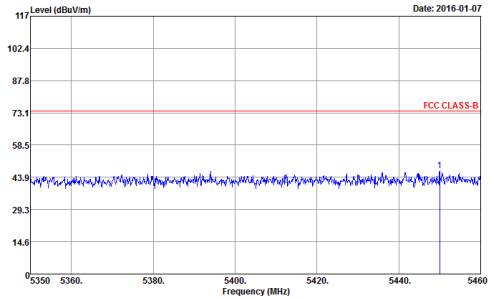
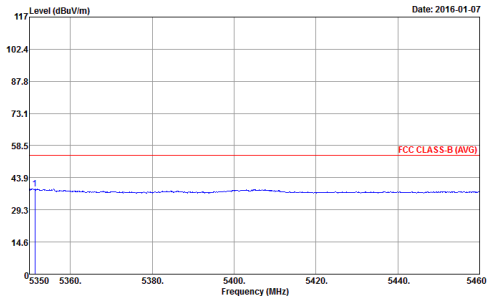
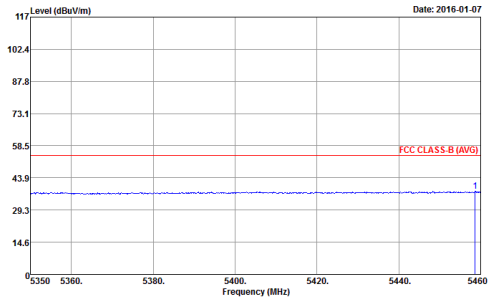
Band 2 - 5250~5350MHz

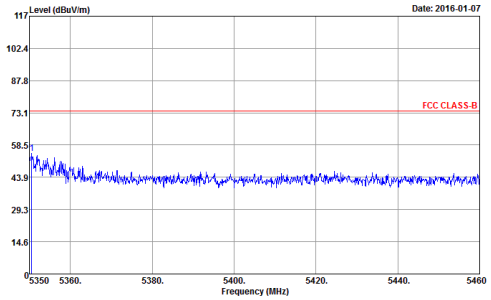
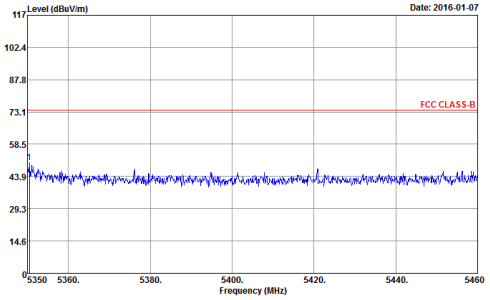
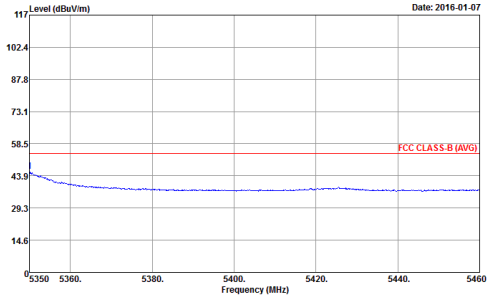
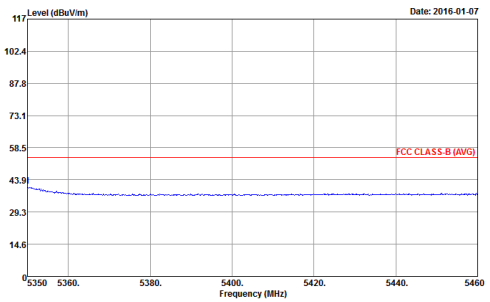
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	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 5D2503 Mode : 4	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 4
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 5D2503 Mode : 4	 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 5D2503 Mode : 4

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	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 5D2503 Mode : 4	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 4
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 5D2503 Mode : 4	 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 5D2503 Mode : 4

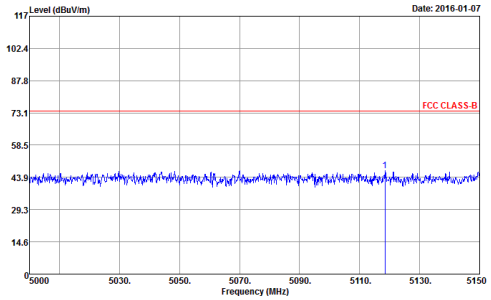
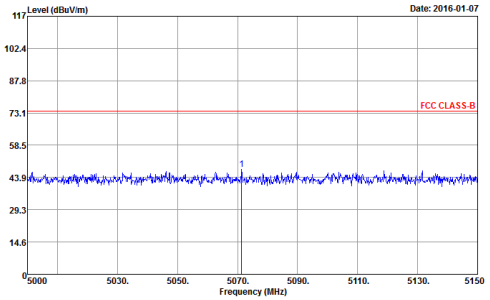
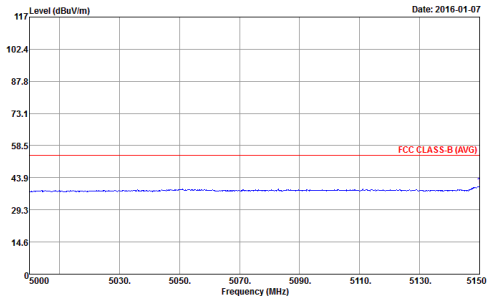
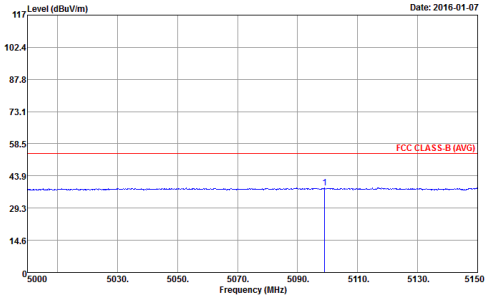
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 5	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 5
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 5D2503 Mode : 5	 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 5D2503 Mode : 5

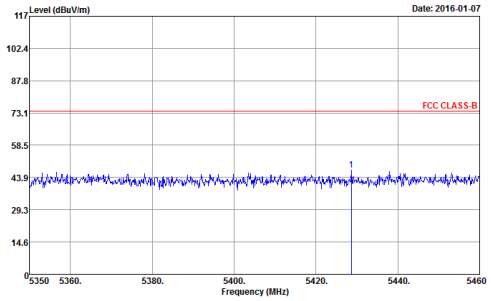
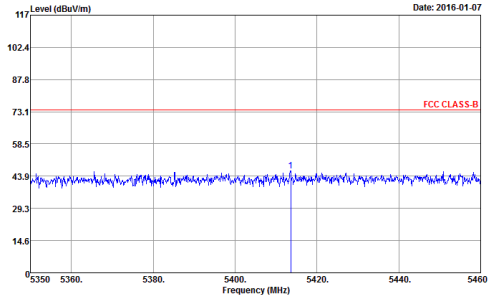
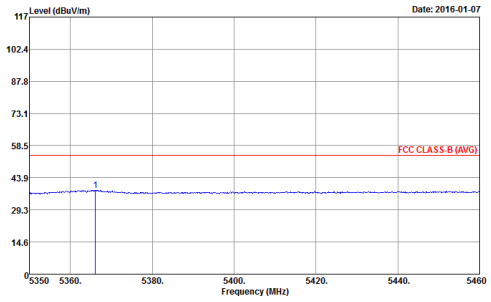
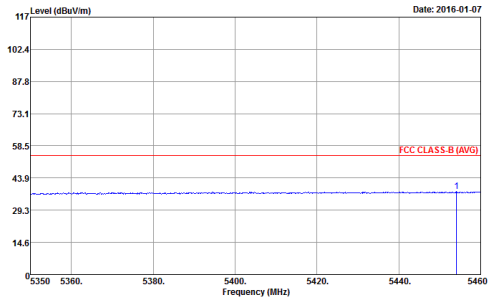
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 5	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 5
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 5D2503 Mode : 5	 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 5D2503 Mode : 5

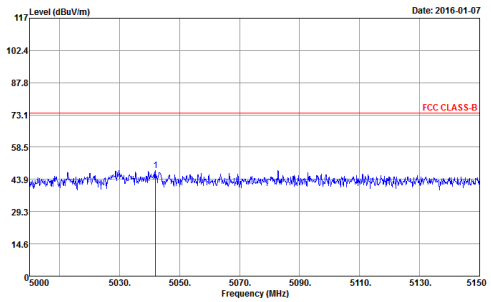
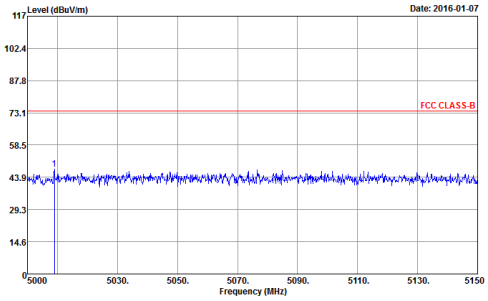
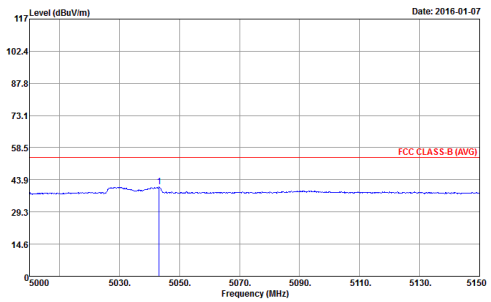
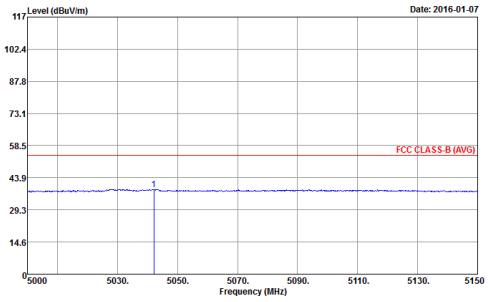
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 6	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : FR 5D2503 Mode : 6
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 5D2503 Mode : 6	 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 5D2503 Mode : 6

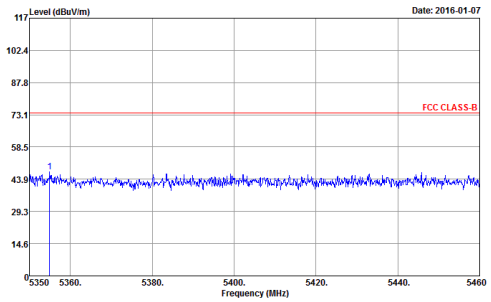
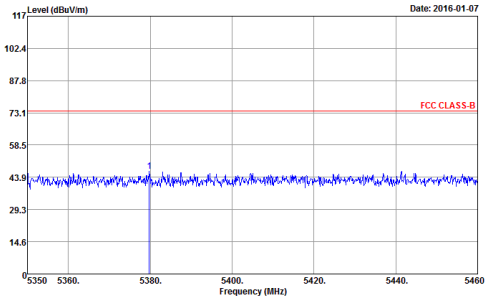
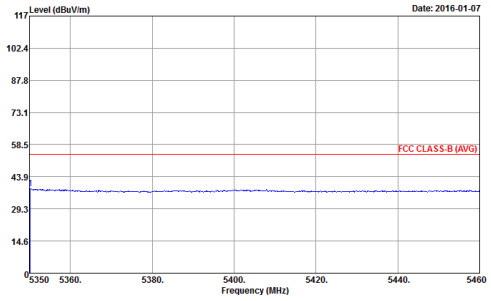
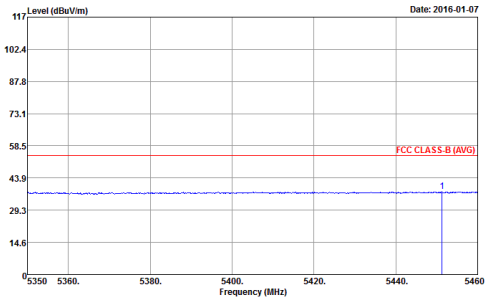
Band 2 5250~5350MHz

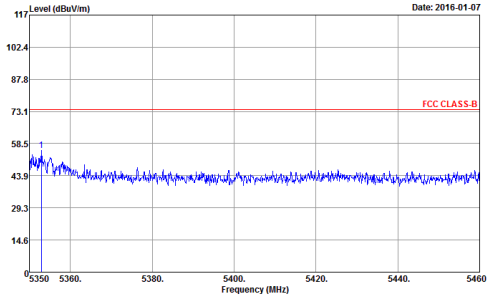
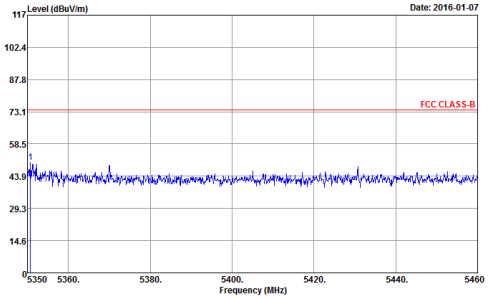
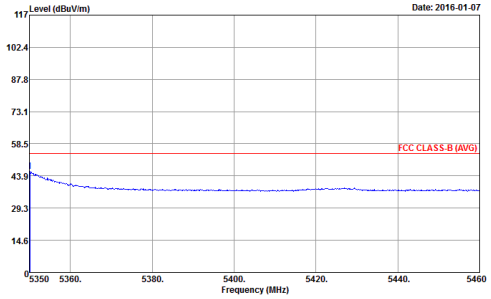
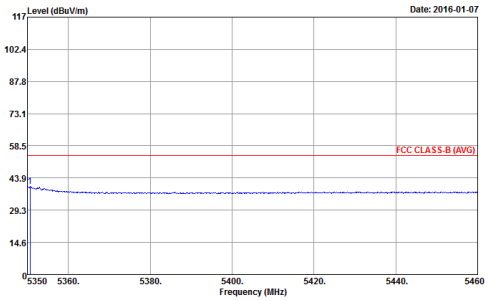
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	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 : 5D2503 Mode : 13	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 13
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 : 5D2503 Mode : 13	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 13

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	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 : 5D2503 Mode : 13	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 13
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 : 5D2503 Mode : 13	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 13

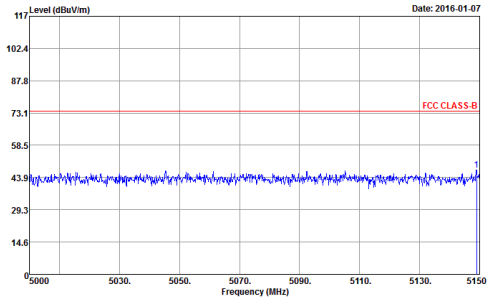
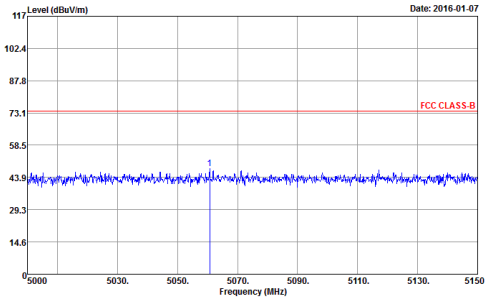
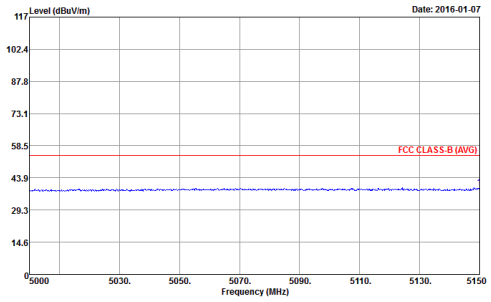
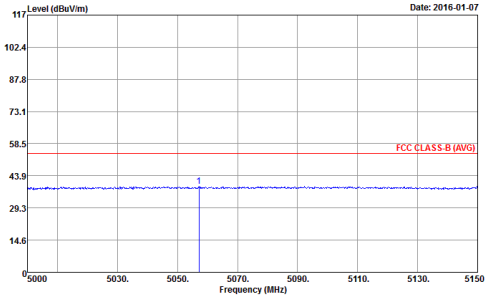
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 14	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 14
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 : 5D2503 Mode : 14	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 14

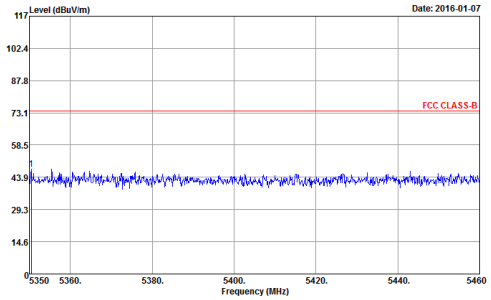
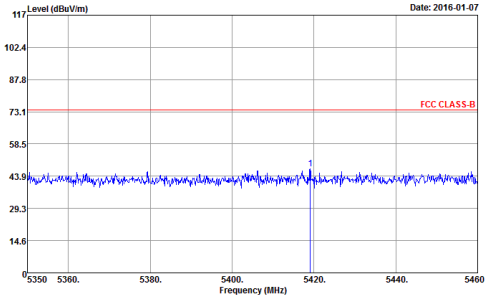
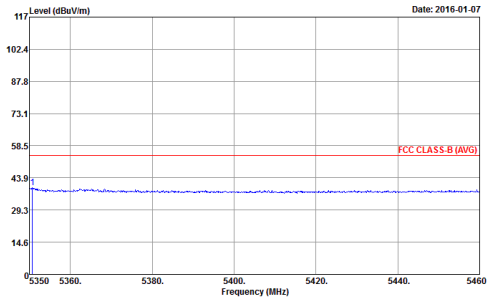
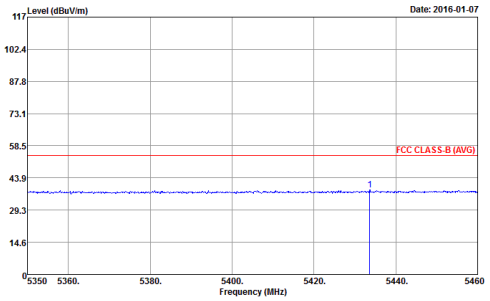
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 14	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 14
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 : 5D2503 Mode : 14	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 14

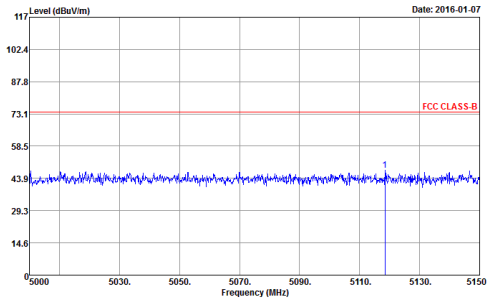
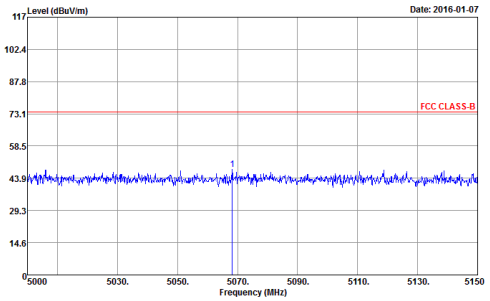
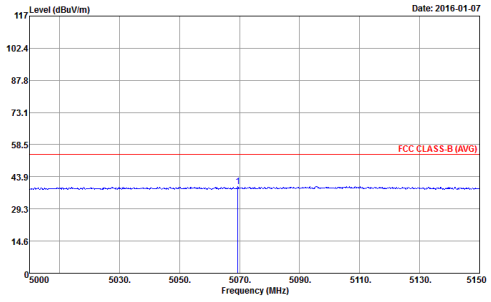
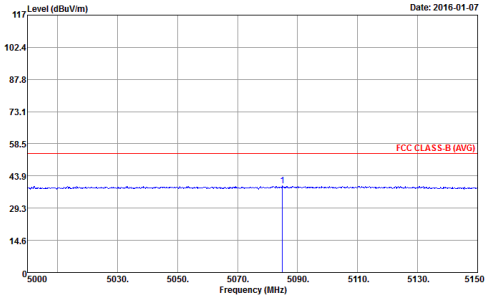
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 15	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 15
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 : 5D2503 Mode : 15	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 15

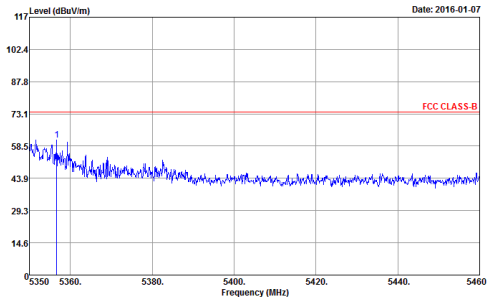
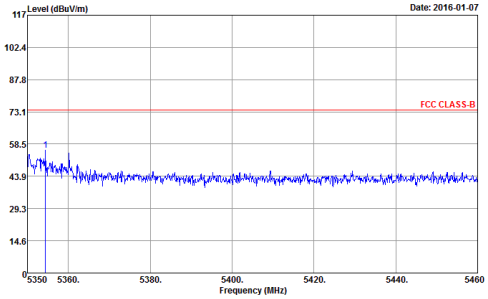
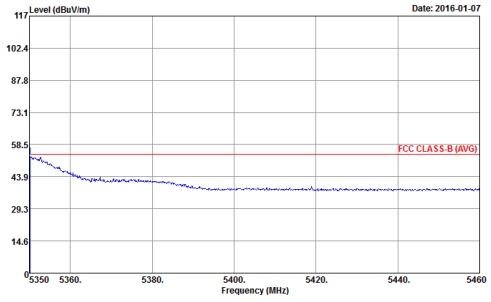
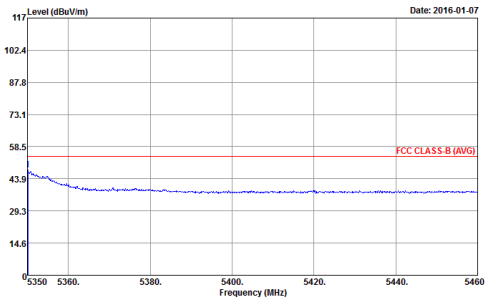
Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	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 : 5D2503 Mode : 21	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 21
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 : 5D2503 Mode : 21	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 21

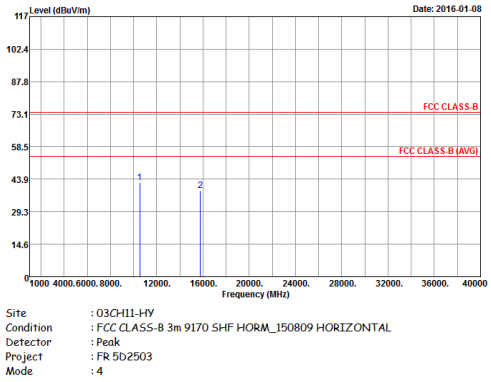
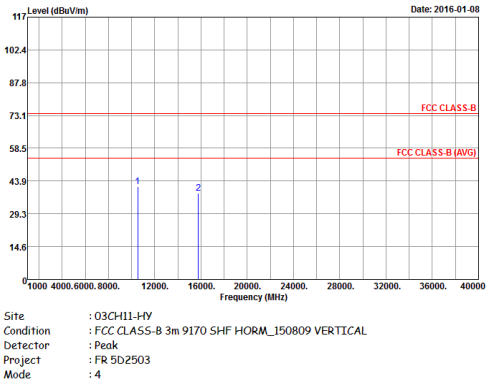
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 21	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 21
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 : 5D2503 Mode : 21	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 21

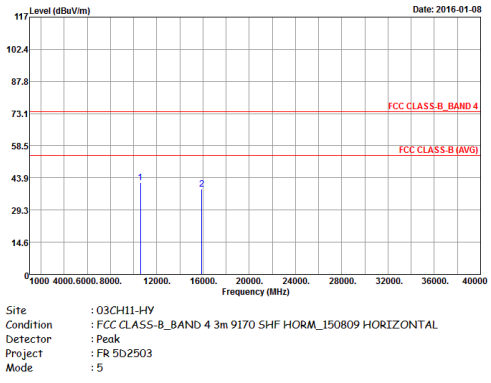
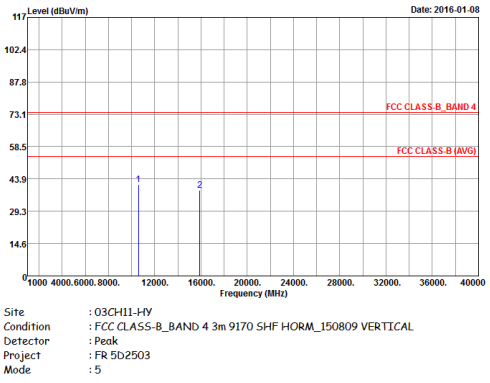
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 22 Setting : 18500	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 22 Setting : 18500
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 : 5D2503 Mode : 22 Setting : 18500	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 22 Setting : 18500

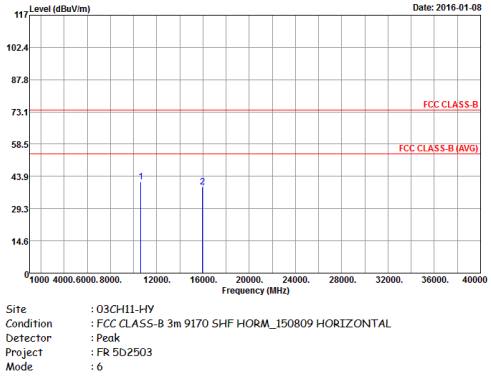
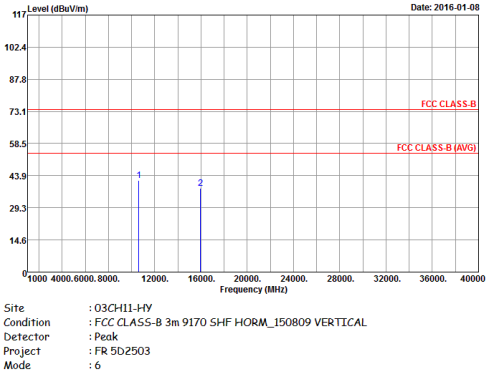
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 22 Setting : 18500	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 22 Setting : 18500
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 : 5D2503 Mode : 22 Setting : 18500	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 22 Setting : 18500

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

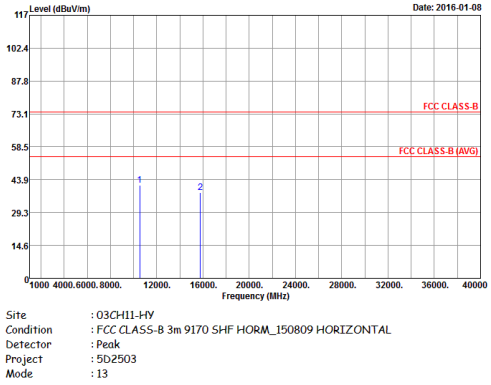
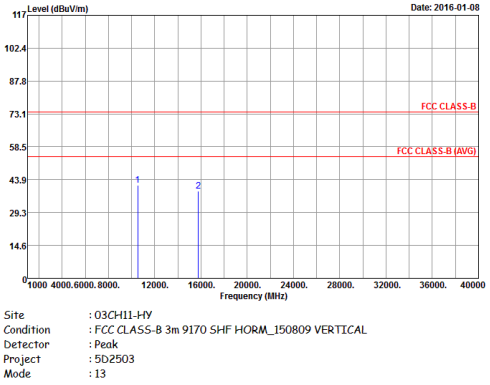
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

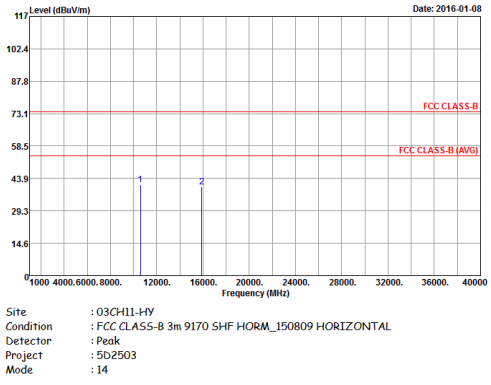
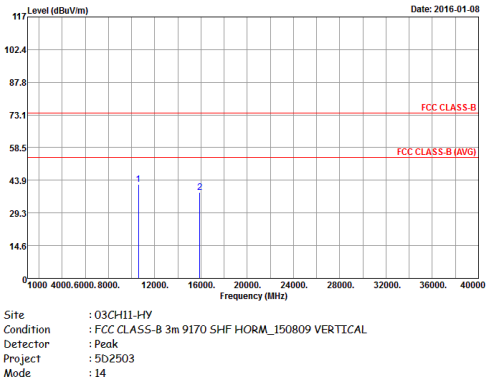
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

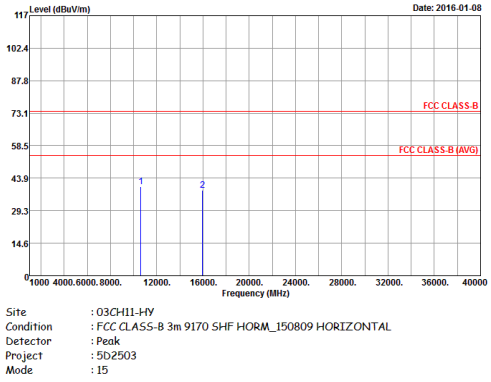
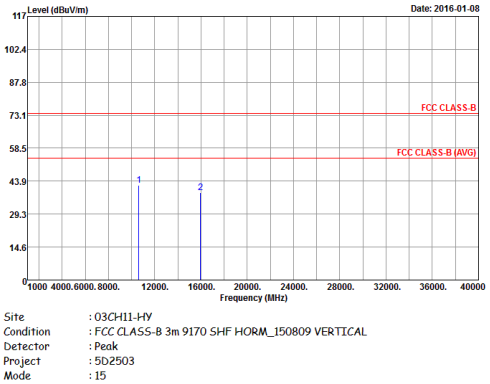
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : FR 5D2503 Mode : 6	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : FR 5D2503 Mode : 6

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

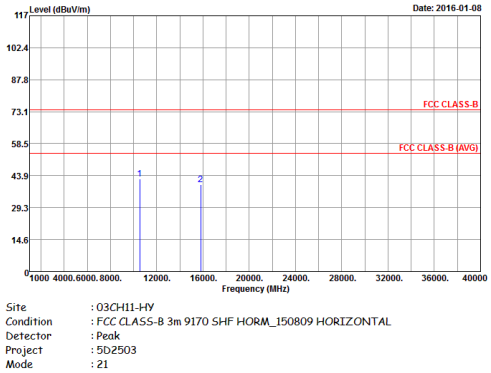
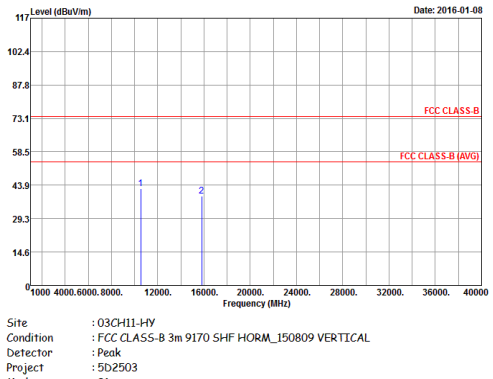
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 13	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 13

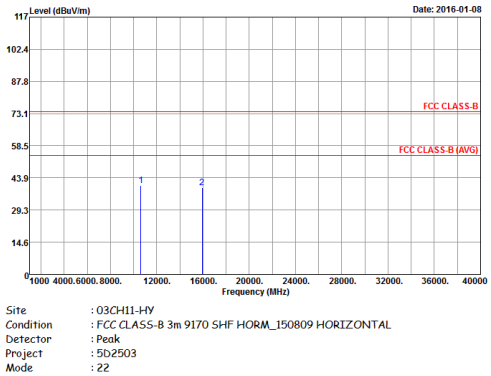
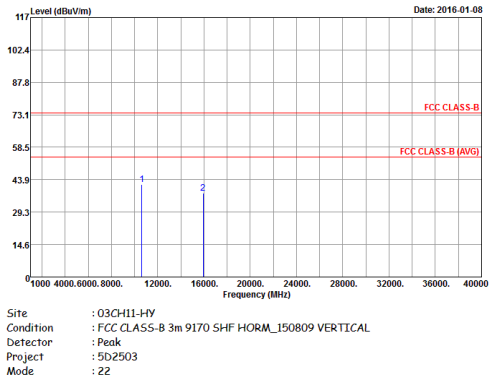
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 14	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 14

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 15	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 15

Band 2 5250~5350MHz

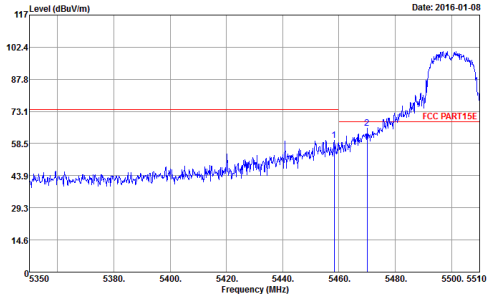
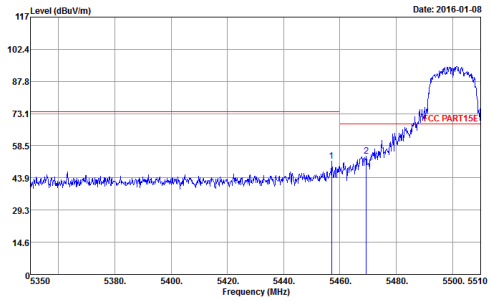
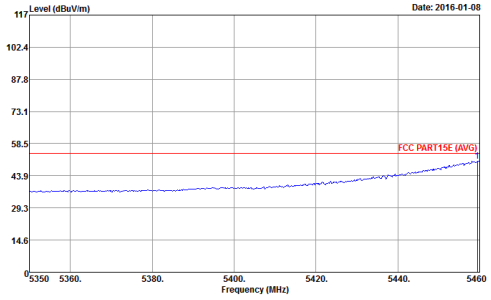
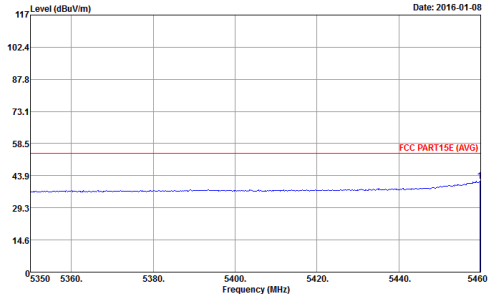
WIFI 802.11n HT40 (Harmonic @ 3m)

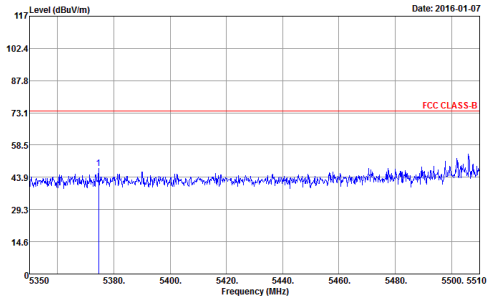
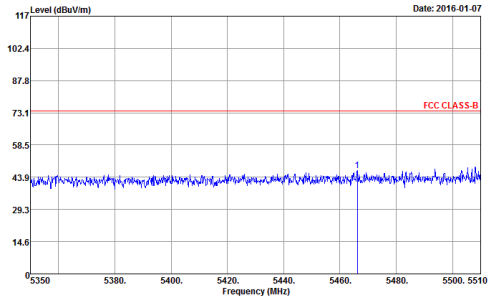
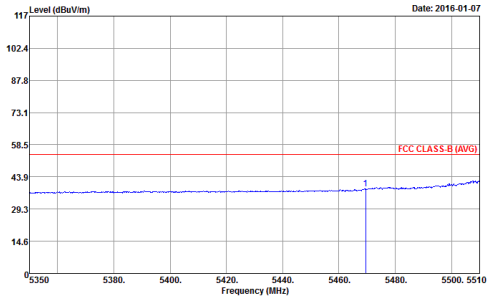
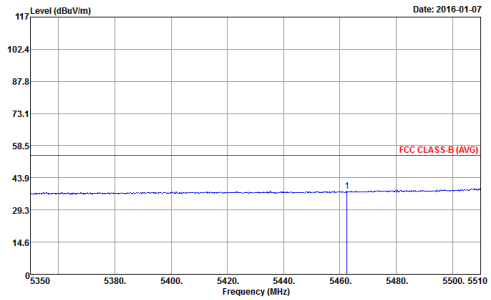
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.		

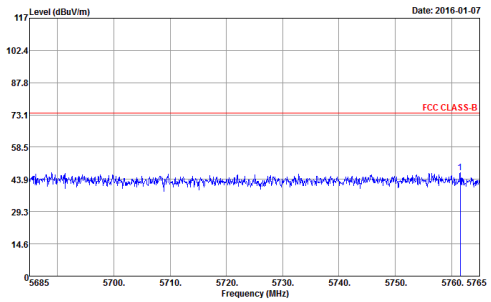
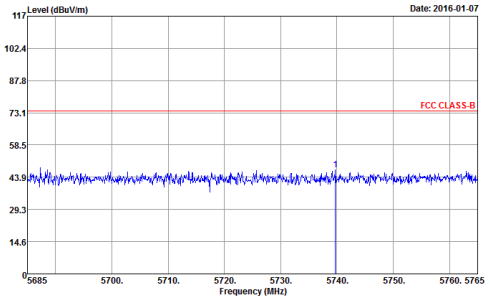
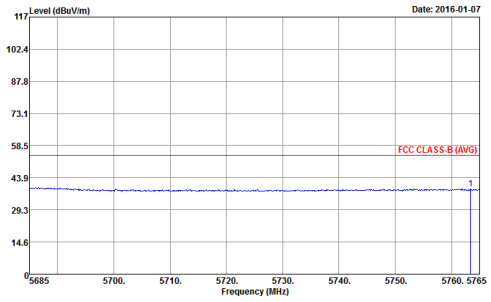
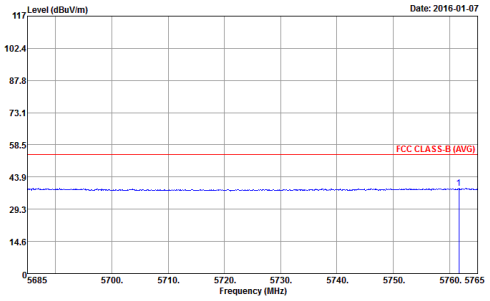
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.		

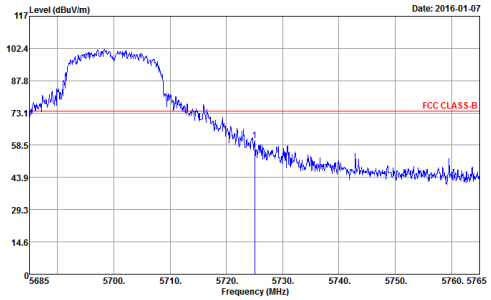
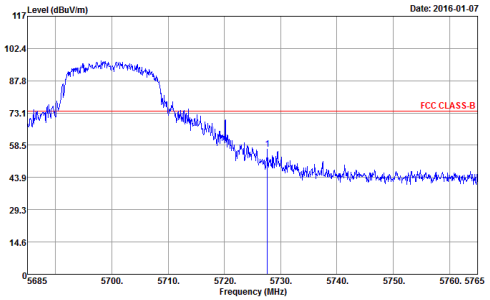
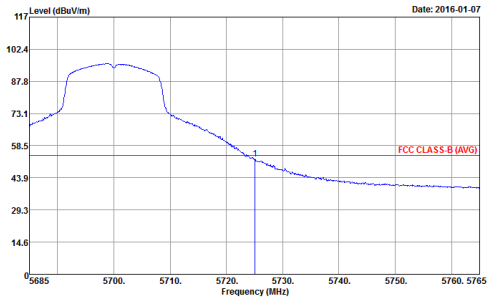
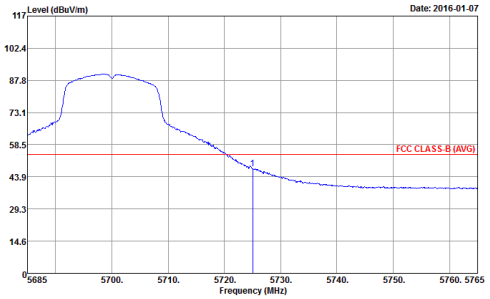
Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 7 Setting : 20000 : 68.3	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 7 Setting : 20000 : 68.3
Avg.	 Site : 03CH11-HY Condition : FCC PART15E (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 7 Setting : 20000 : 68.3	 Site : 03CH11-HY Condition : FCC PART15E (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 7 Setting : 20000 : 68.3

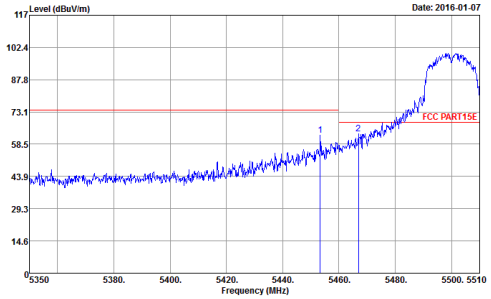
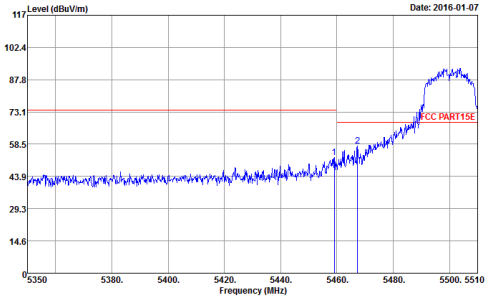
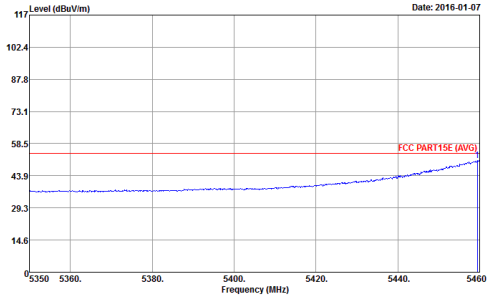
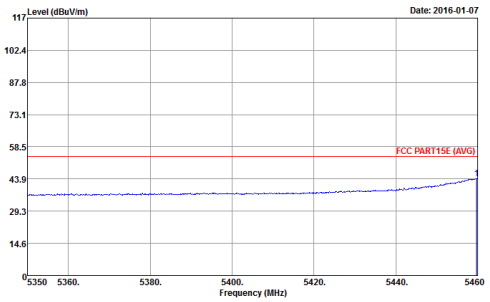
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 8	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 8
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 : 5D2503 Mode : 8	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 8

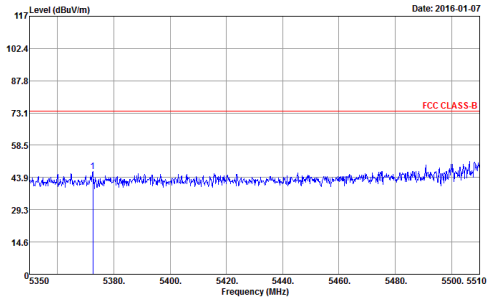
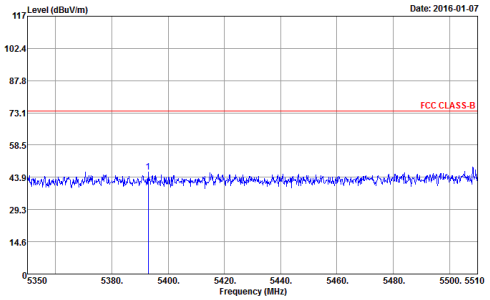
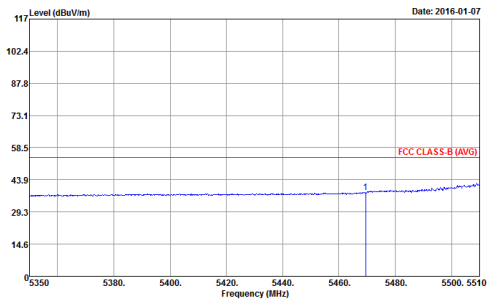
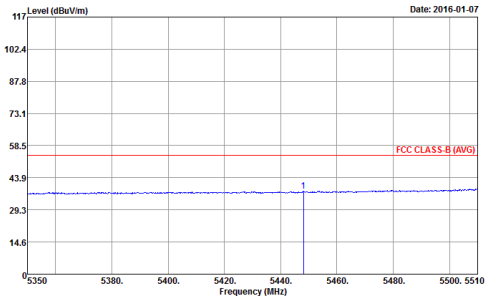
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 8	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 8
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 : 5D2503 Mode : 8	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 8

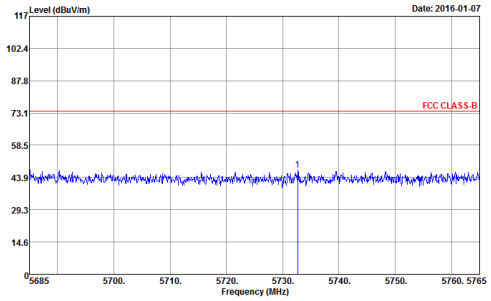
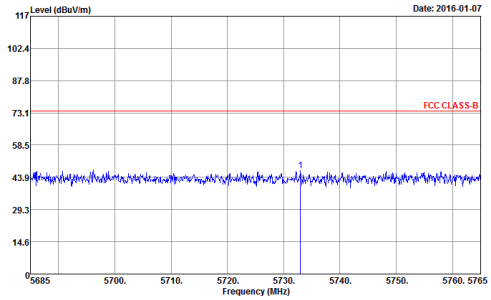
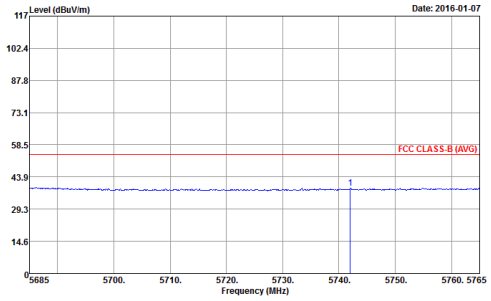
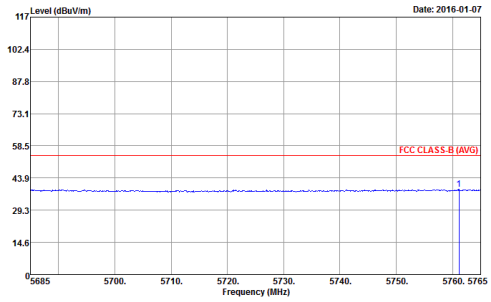
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 9	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 9
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 : 5D2503 Mode : 9	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 9

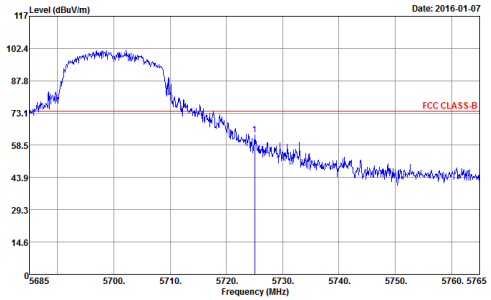
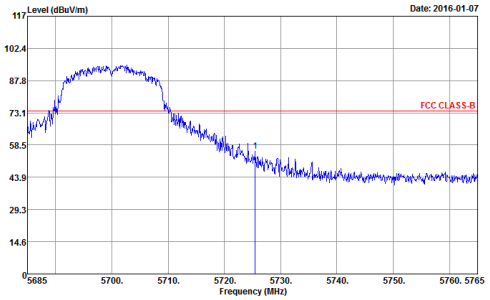
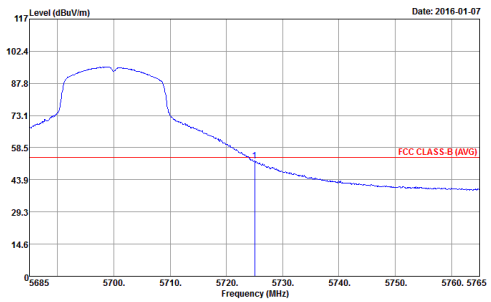
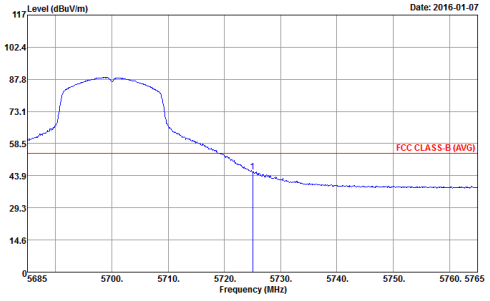
Band 3 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 16 Setting : 20000 : 68.3	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 16 Setting : 20000 : 68.3
Avg.	 Site : 03CH11-HY Condition : FCC PART15E (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 16 Setting : 20000 : 68.3	 Site : 03CH11-HY Condition : FCC PART15E (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 16 Setting : 20000 : 68.3

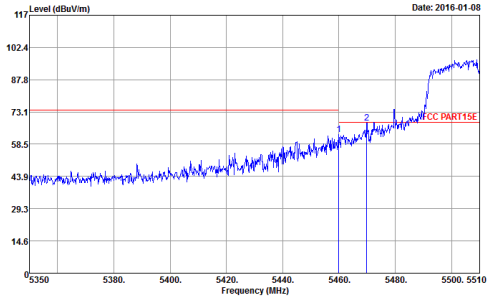
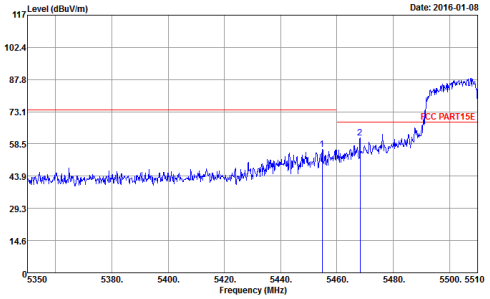
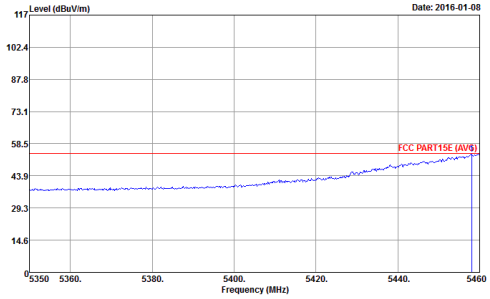
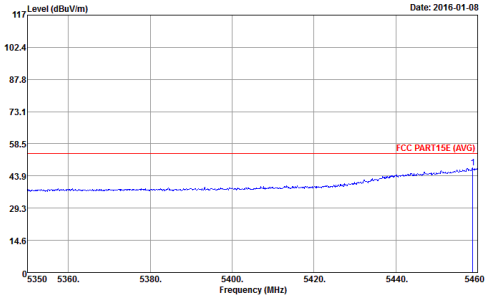
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 17	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 17
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 : 5D2503 Mode : 17	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 17

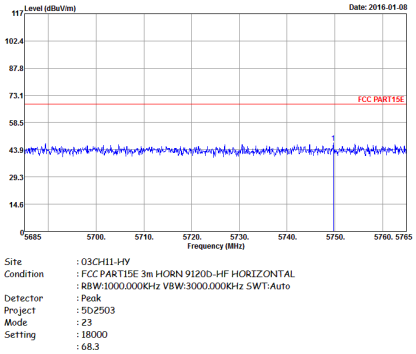
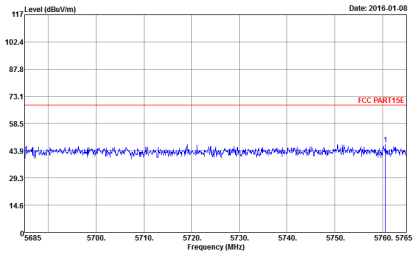
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 17	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 17
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 : 5D2503 Mode : 17	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 17

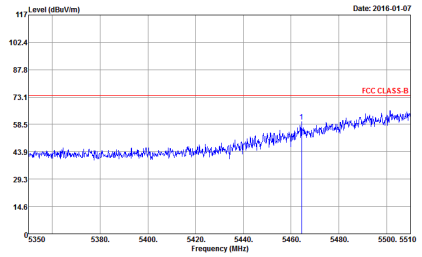
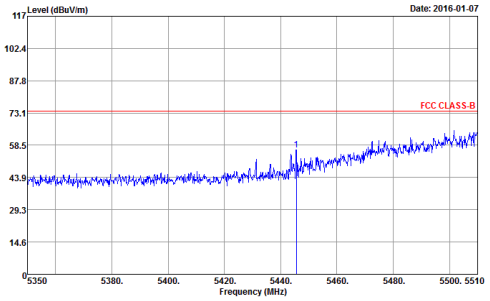
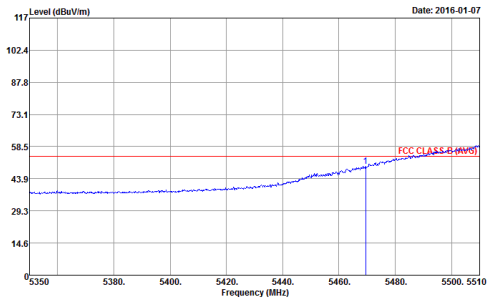
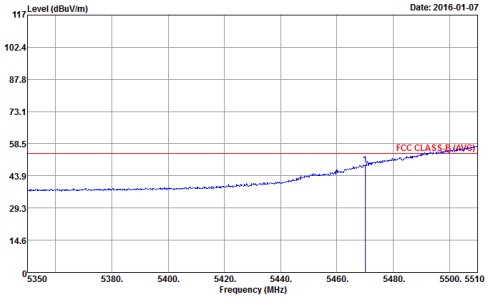
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 18	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 18
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 : 5D2503 Mode : 18	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 18

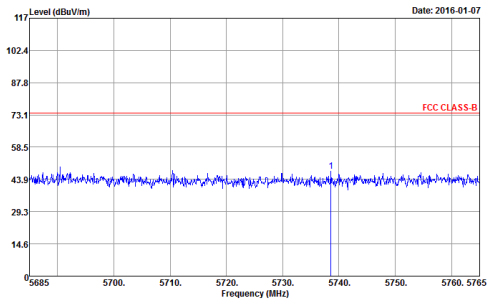
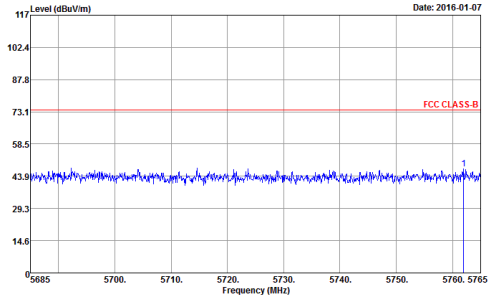
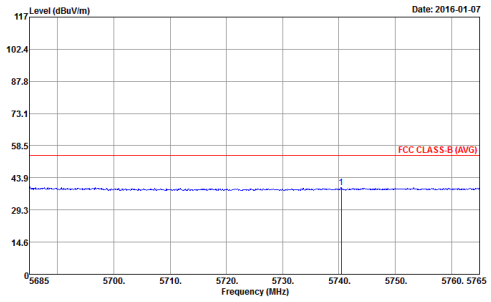
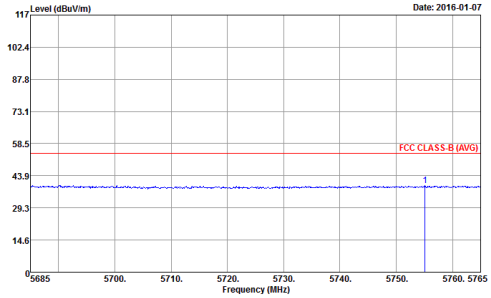
Band 3 5470~5725MHz

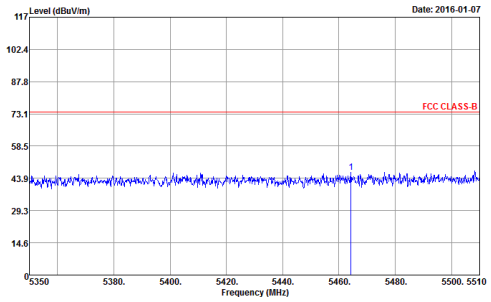
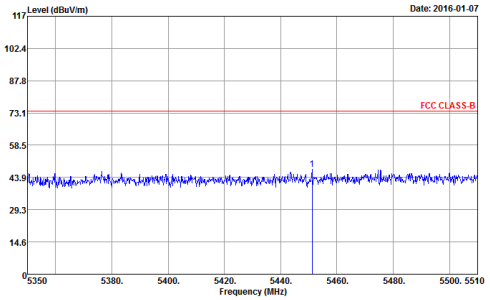
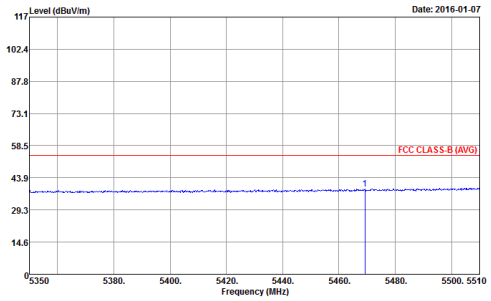
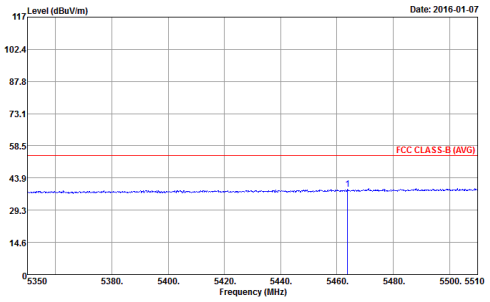
WIFI 802.11n HT40 (Band Edge @ 3m)

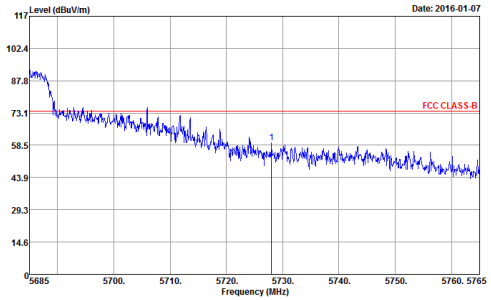
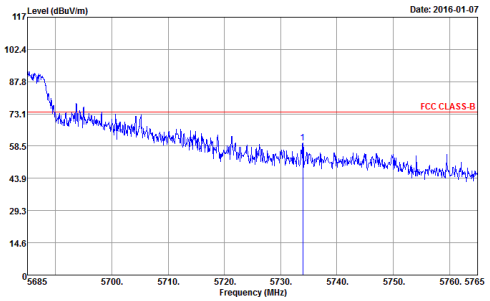
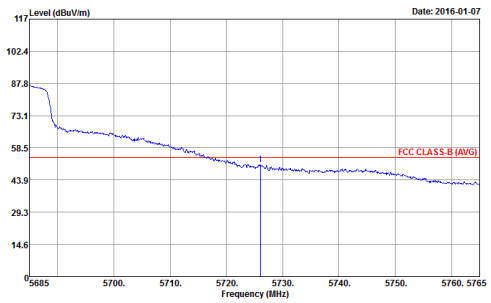
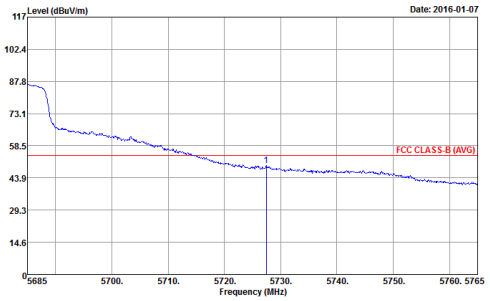
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 23 Setting : 18000 : 68.3	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 23 Setting : 18000 : 68.3
Avg.	 Site : 03CH11-HY Condition : FCC PART15E (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 23 Setting : 18000 : 68.3	 Site : 03CH11-HY Condition : FCC PART15E (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 23 Setting : 18000 : 68.3

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 23 Setting : 18000 : 68.3	 Site : 03CH11-HY Condition : FCC PART15E 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 23 Setting : 18000 : 68.3

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	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 : 5D2503 Mode : 24	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 24
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 : 5D2503 Mode : 24	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 24

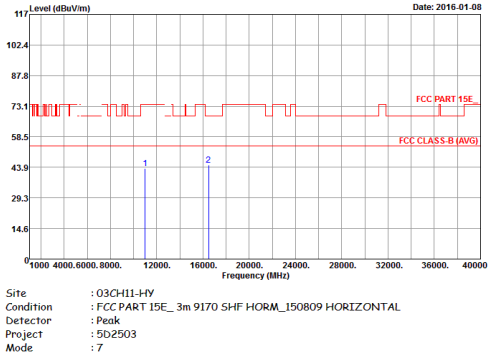
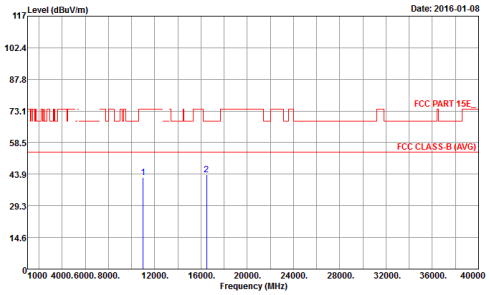
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 24	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 24
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 : 5D2503 Mode : 24	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 24

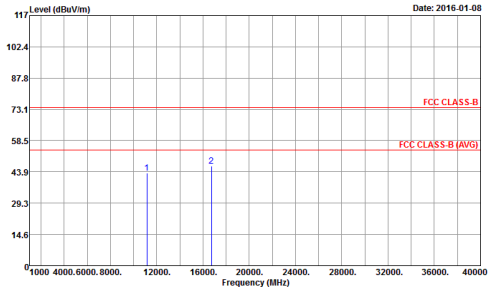
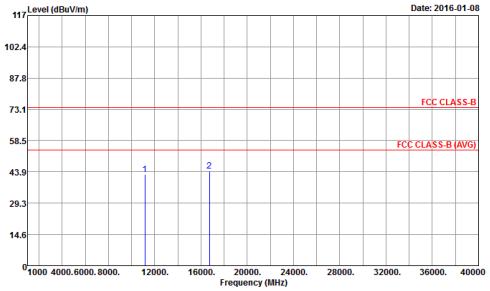
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 25	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 25
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 : 5D2503 Mode : 25	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 25

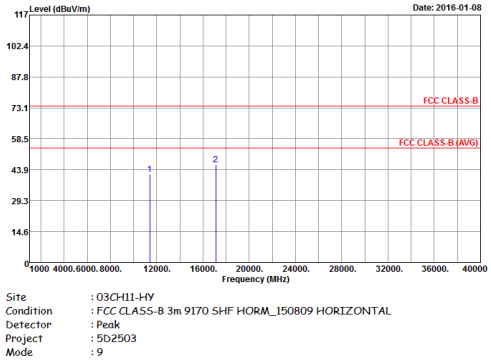
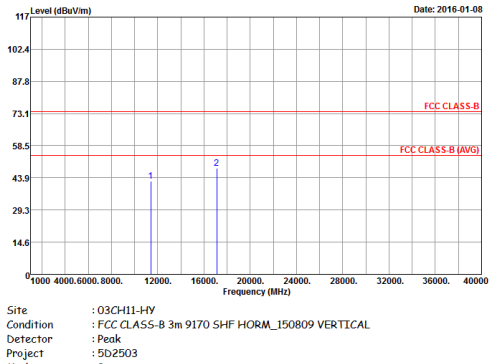
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 25	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 25
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 : 5D2503 Mode : 25	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 5D2503 Mode : 25

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

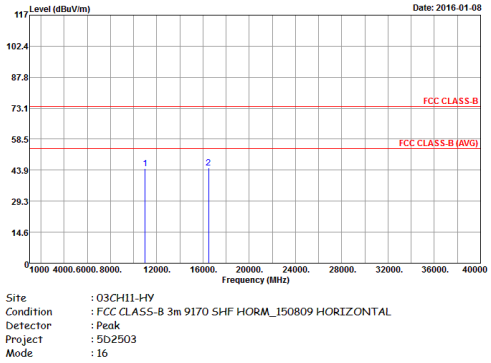
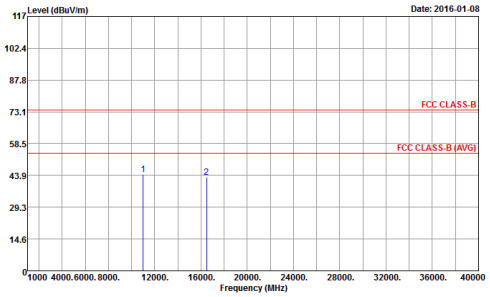
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC PART 15E_ 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 7	 Site : 03CH11-HY Condition : FCC PART 15E_ 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 7

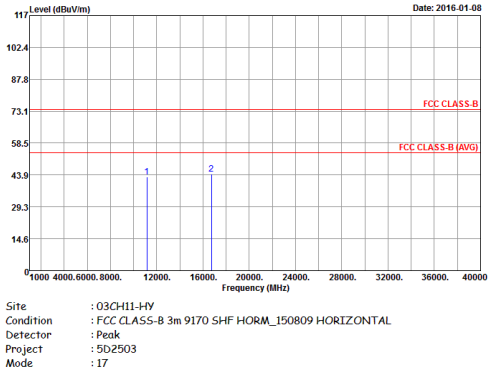
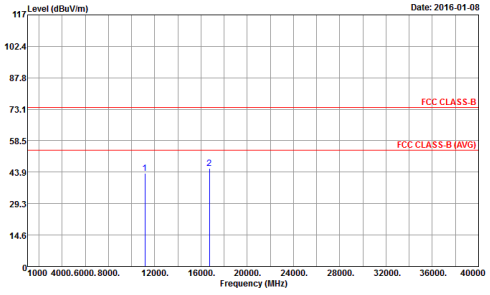
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 8	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 8

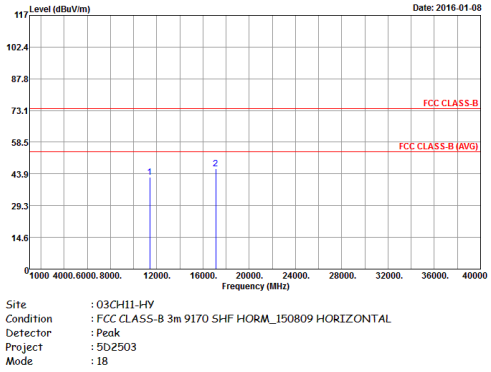
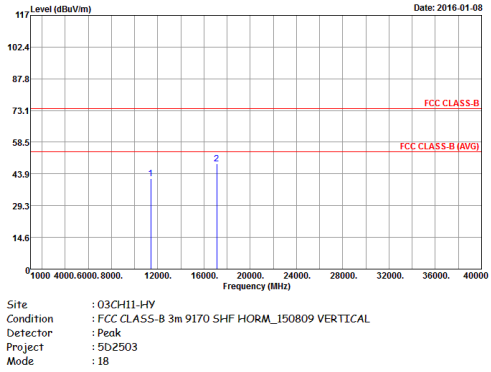
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 9	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 9

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

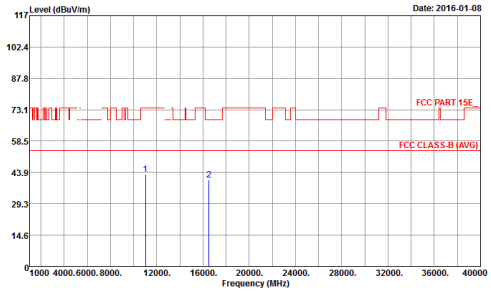
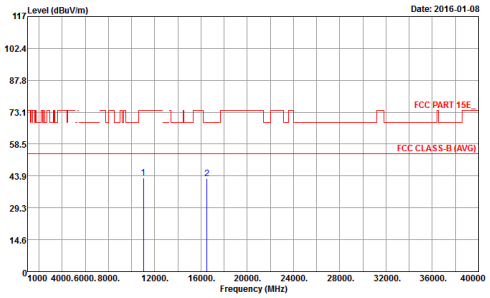
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 16	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 16

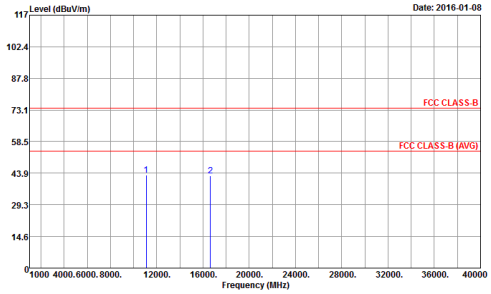
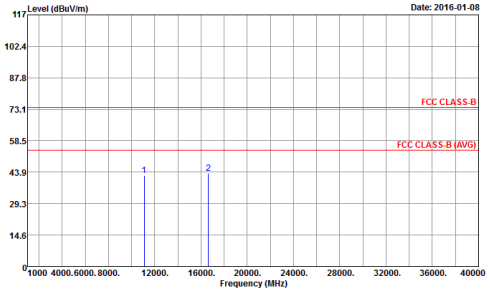
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 17	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 17

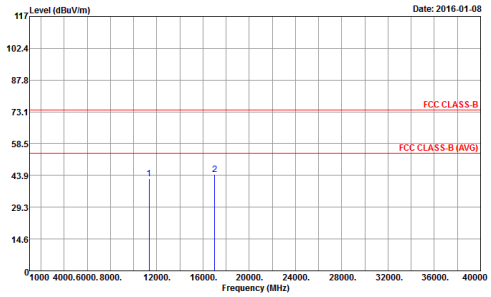
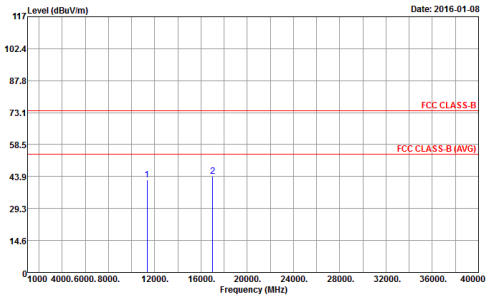
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 18	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 18

Band 3 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

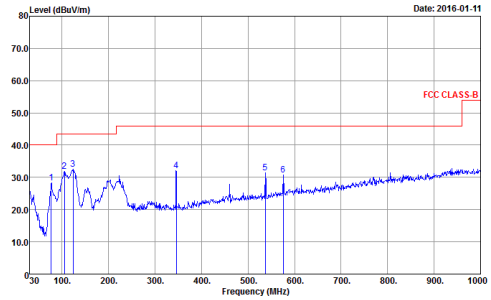
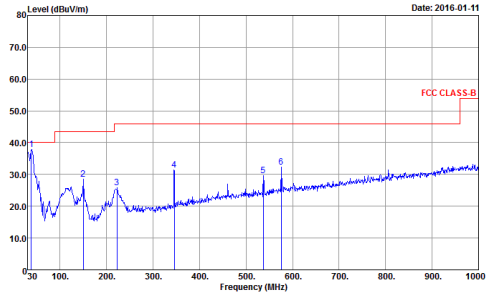
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC PART 15E_ 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 23	 Site : 03CH11-HY Condition : FCC PART 15E_ 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 23

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 24	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 24

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 5D2503 Mode : 25	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 5D2503 Mode : 25

Emission below 1GHz

5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m BI-LOG 6111D-LF_ETC HORIZONTAL Detector : Peak Project : FR 5D2503 Mode : 34	 Site : 03CH11-HY Condition : FCC CLASS-B 3m BI-LOG 6111D-LF_ETC VERTICAL Detector : Peak Project : FR 5D2503 Mode : 34