FCC RF Test Report

APPLICANT	:	**LC Future Center Limited Taiwan Branch**
EQUIPMENT	:	**Notebook**
BRAND NAME	:	**Lenovo**
MODEL NAME	:	**TP00086A**
FCC ID	:	**2AJN7-TP00086AUC**
STANDARD	:	**FCC Part 15 Subpart E §15.407**
CLASSIFICATION	:	**(NII) Unlicensed National Information Infrastructure**

This is a partial report which is included the conducted emission and radiated emission test items. The product was received on Nov. 18, 2016 and testing was completed on Dec. 27, 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
FR6N0822-08D	Rev. 01	Initial issue of report	Jan. 04, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band) &15.209(a)	Pass	Under limit 0.66 dB at 5459.440 MHz
3.2	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 20.10 dB at 0.182 MHz

1 General Description

1.1 Applicant

LC Future Center Limited Taiwan Branch
7F., No.780, Bei'an Rd., Zhongshan Dist., Taipei City 104, Taiwan (R.O.C.)

1.2 Manufacturer

LC Future Center Limited Taiwan Branch
7F., No.780, Bei'an Rd., Zhongshan Dist., Taipei City 104, Taiwan (R.O.C.)

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Notebook
Brand Name	Lenovo
Model Name	TP00086A
FCC ID	2AJN7-TP00086AUC
Sample 1	EUT with Antenna 1
Sample 2	EUT with Antenna 2
Integrated WWAN Module	Manufacturer: Sierra Wireles Brand Name: AirPrime Model Name: EM7455
Integrated WLAN Module	Brand Name: Intel Model Name: 8260NGW
EUT supports Radios application	WCDMA/HSPA/LTE WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

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

	Chain Port 1	Chain Port 2
802.11 a/n/ac	V	V
802.11 n/ac MIMO	V	V

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

1.5 Modification of EUT

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

1.6 Testing Location

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	CO05-HY	03CH07-HY

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

1.7 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ANSI C63.10-2013

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

2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

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

2.2 Test Mode

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

Single Antenna

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

MIMO Antenna

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + TF + TC

Remark:

1. TF stands for Test Function, and consists of MPEG4 and Camera.
2. TC stands for Test Configuration, and consists of Earphone, USB HD, iPod, Adapter, SD Card, and HDMI.
3. For conducted test items and radiated spurious emissions, all tests cases were performed with sample 1.

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

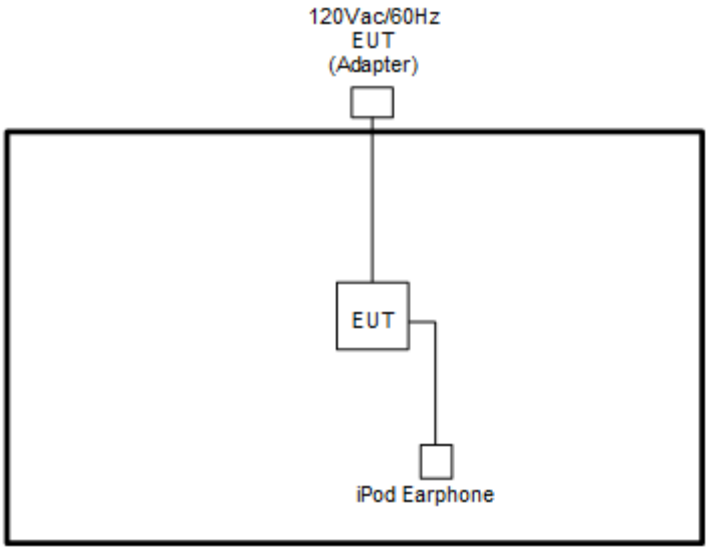
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

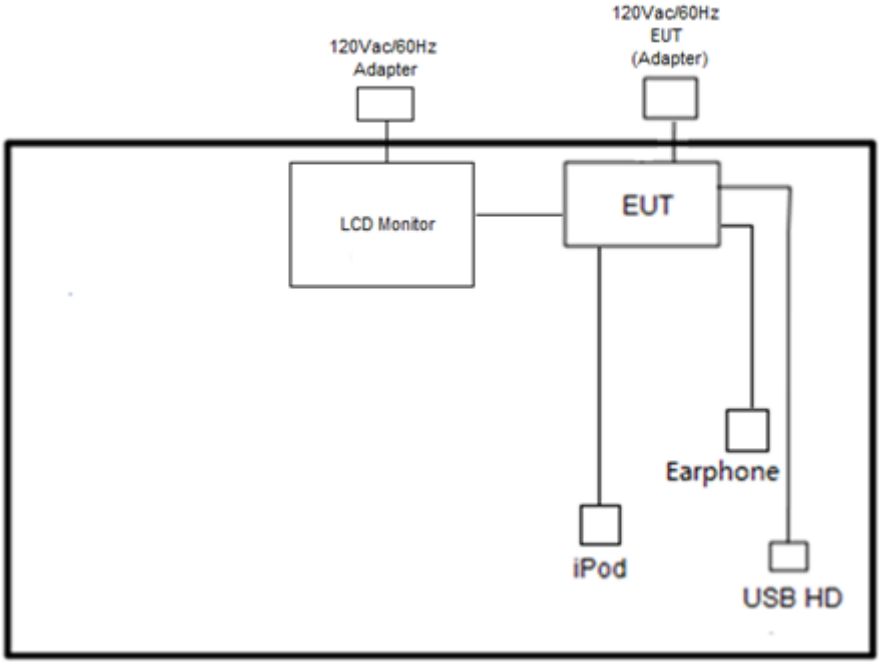
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-
Straddle		-	-	138

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	LCD Monitor	DELL	U2410	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
2.	HD USB 3.0	lenovo	F310S	FCC DoC	Shielded, 0.5m	N/A
3.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
5.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
6.	Earphone	lenovo	TS300-01MS21-8S	FCC DoC	Unshielded,1.2m	N/A

2.5 EUT Operation Test Setup

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

3 Test Result

3.1 Unwanted Emissions Measurement

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

3.1.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

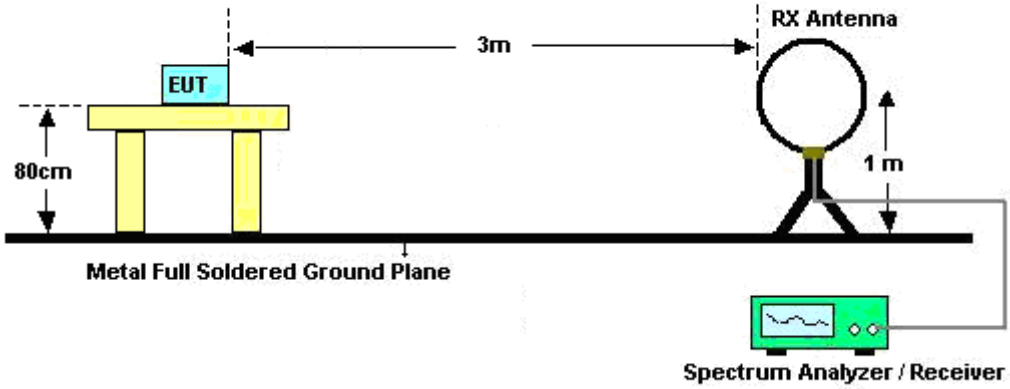
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

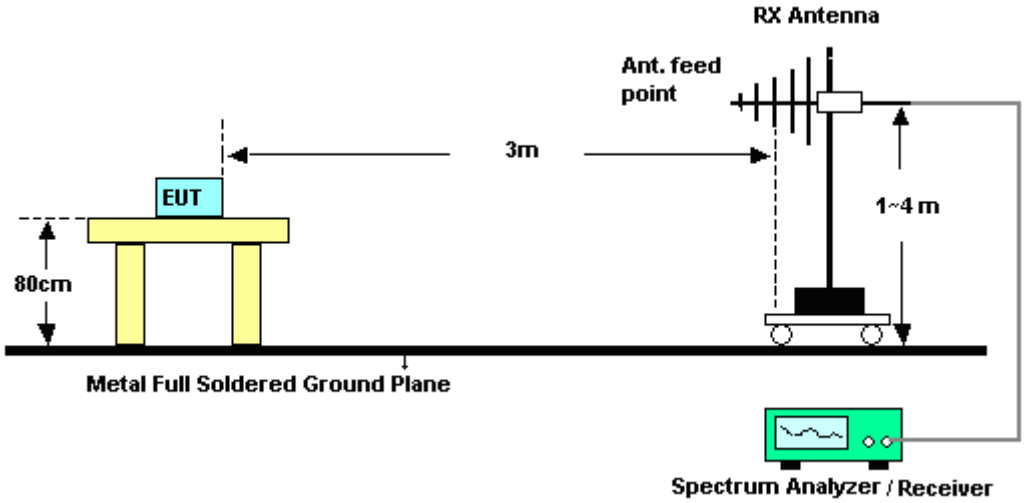
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.1.4 Test Setup

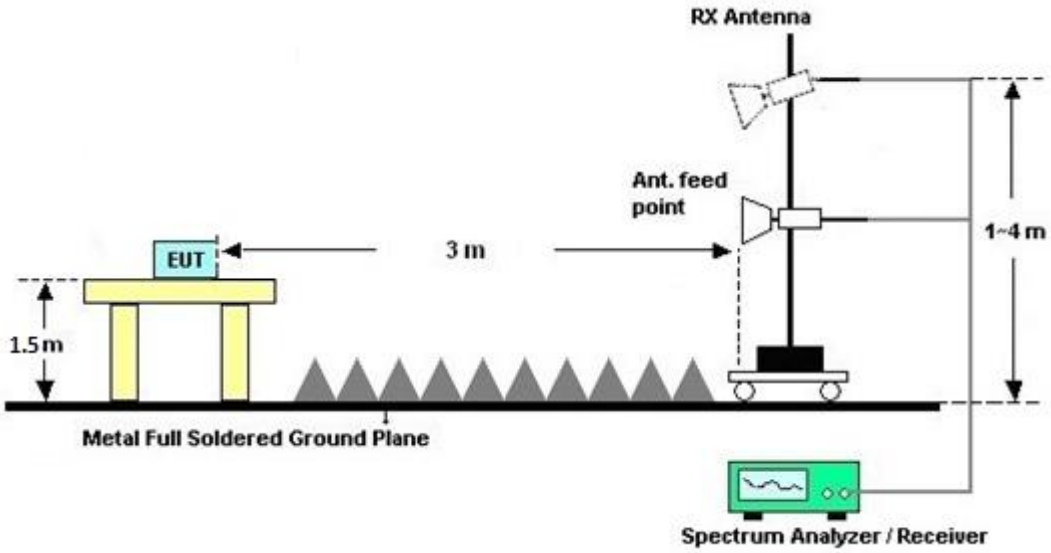
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

3.1.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A and B.

3.1.7 Duty Cycle

Please refer to Appendix C.

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

Please refer to Appendix A and B.

3.2 AC Conducted Emission Measurement

3.2.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (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.

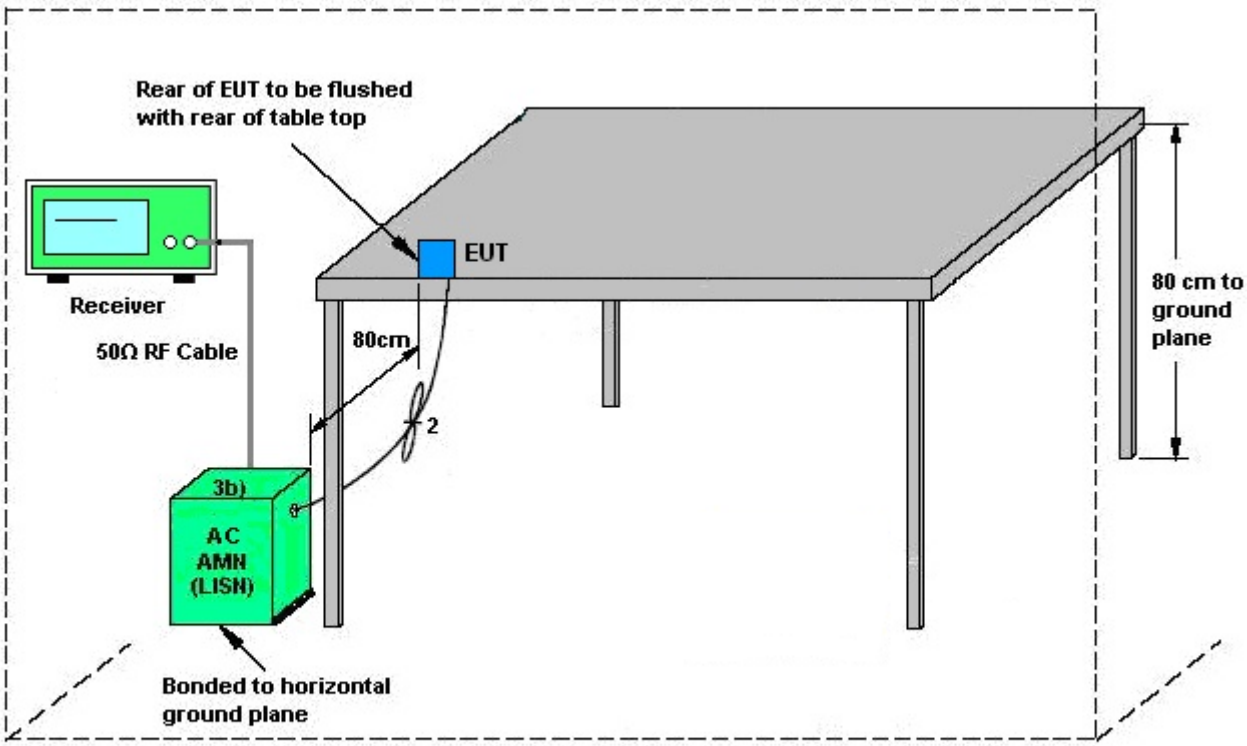
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

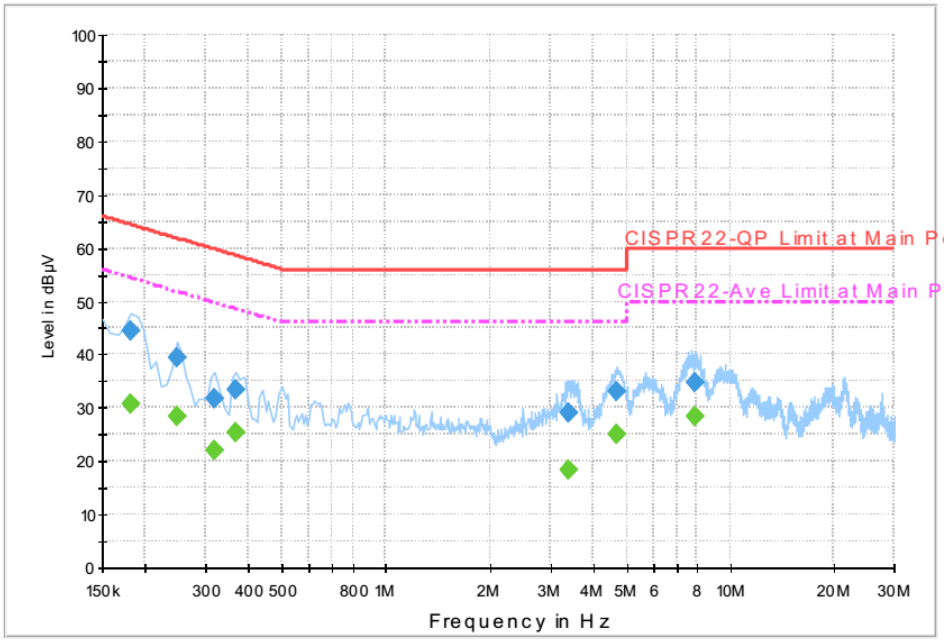
3.2.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.2.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	22~24℃
Test Engineer :	Arthur Hsieh	Relative Humidity :	50~53%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN (5GHz) Link + TF + TC		



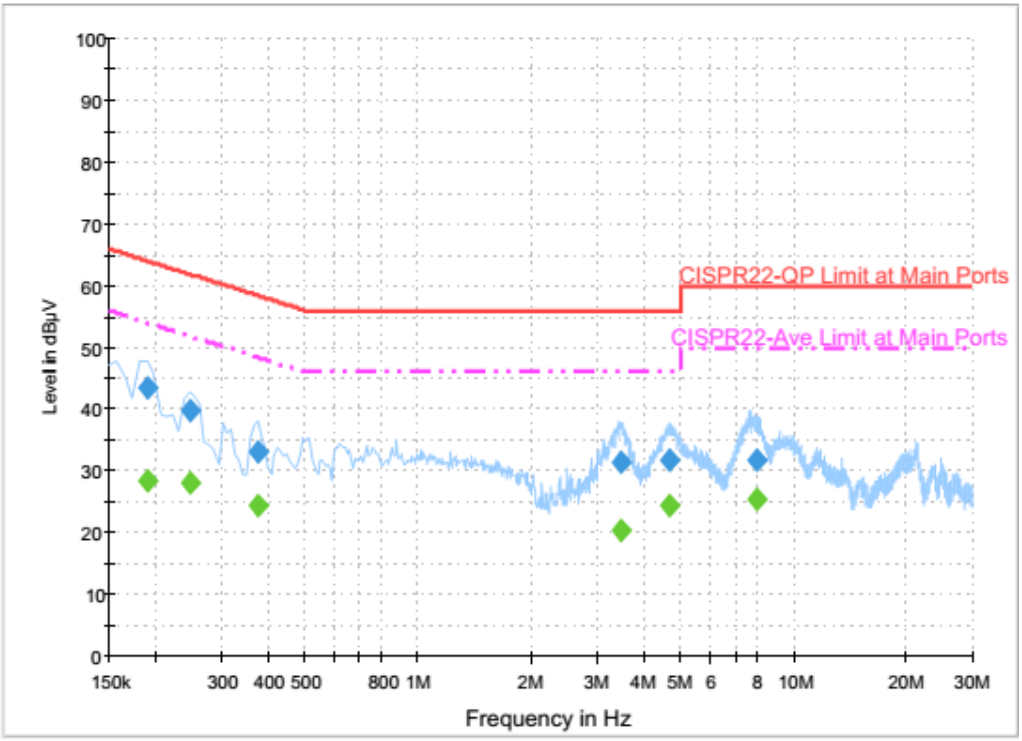
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.182000	44.3	Off	L1	19.6	20.1	64.4
0.246000	39.5	Off	L1	19.6	22.4	61.9
0.318000	31.9	Off	L1	19.6	27.9	59.8
0.366000	33.3	Off	L1	19.6	25.3	58.6
3.414000	29.2	Off	L1	19.6	26.8	56.0
4.702000	32.9	Off	L1	19.6	23.1	56.0
7.894000	34.8	Off	L1	19.7	25.2	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.182000	30.6	Off	L1	19.6	23.8	54.4
0.246000	28.3	Off	L1	19.6	23.6	51.9
0.318000	21.9	Off	L1	19.6	27.9	49.8
0.366000	25.5	Off	L1	19.6	23.1	48.6
3.414000	18.3	Off	L1	19.6	27.7	46.0
4.702000	25.1	Off	L1	19.6	20.9	46.0
7.894000	28.4	Off	L1	19.7	21.6	50.0

Test Mode :	Mode 1	Temperature :	22~24℃
Test Engineer :	Arthur Hsieh	Relative Humidity :	50~53%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (5GHz) Link + TF + TC		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	43.5	Off	N	19.5	20.5	64.0
0.246000	39.9	Off	N	19.5	22.0	61.9
0.374000	33.1	Off	N	19.5	25.3	58.4
3.494000	31.4	Off	N	19.6	24.6	56.0
4.710000	31.8	Off	N	19.6	24.2	56.0
8.038000	31.9	Off	N	19.7	28.1	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	28.6	Off	N	19.5	25.4	54.0
0.246000	27.9	Off	N	19.5	24.0	51.9
0.374000	24.3	Off	N	19.5	24.1	48.4
3.494000	20.5	Off	N	19.6	25.5	46.0
4.710000	24.3	Off	N	19.6	21.7	46.0
8.038000	25.5	Off	N	19.7	24.5	50.0

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 27, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Dec. 27, 2016	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Dec. 27, 2016	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Dec. 27, 2016	Dec. 05, 2017	Conduction (CO05-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35419&03	30MHz to 1GHz	Jan. 13, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Jan. 12, 2017	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 19, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Aug. 18, 2017	Radiation (03CH07-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20Hz ~ 8.4GHz	Oct. 26, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Oct. 25, 2017	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Dec. 17, 2016 ~ Dec. 24, 2016	Sep. 01, 2017	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 15, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Apr. 14, 2017	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1GHz	Mar. 18, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Mar. 17, 2017	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Oct. 12, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Oct. 11, 2017	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Feb. 27, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Feb. 26, 2017	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Dec. 17, 2016 ~ Dec. 24, 2016	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Dec. 17, 2016 ~ Dec. 24, 2016	N/A	Radiation (03CH07-HY)
Loop Cable	Rohde & Schwarz	N/A	N/A	9KHz~30MHz	Nov. 20, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Nov. 19, 2017	Radiation (03CH07-HY)
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Jun. 13, 2017	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Dec. 17, 2016 ~ Dec. 24, 2016	Nov. 07, 2017	Radiation (03CH07-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.7**

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

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

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

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

Appendix A. Radiated Spurious Emission

Test Engineer :	Jesse Wang, James Chiu, and Daniel Lee	Temperature :	22~24°C
		Relative Humidity :	46~49%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5028.6	49.61	-24.39	74	40.18	33.39	11.11	35.07	356	118	P	H
		5030.42	40.51	-13.49	54	31.08	33.39	11.11	35.07	356	118	A	H
	*	5180	103.27	-	-	93.36	33.78	11.21	35.08	356	118	P	H
	*	5180	95.62	-	-	85.71	33.78	11.21	35.08	356	118	A	H
													H
													H
		5029.64	51.48	-22.52	74	42.05	33.39	11.11	35.07	264	181	P	V
		5022.88	43.94	-10.06	54	34.51	33.39	11.11	35.07	264	181	A	V
	*	5180	108.7	-	-	98.79	33.78	11.21	35.08	264	181	P	V
	*	5180	101.04	-	-	91.13	33.78	11.21	35.08	264	181	A	V
													V
													V
802.11a CH 44 5220MHz		5064.48	49.62	-24.38	74	40.08	33.47	11.14	35.07	380	117	P	H
		5070.72	40.84	-13.16	54	31.3	33.47	11.14	35.07	380	117	A	H
	*	5220	103.28	-	-	93.25	33.86	11.25	35.08	380	117	P	H
	*	5220	95.63	-	-	85.6	33.86	11.25	35.08	380	117	A	H
		5376.72	50.34	-23.66	74	39.42	34.25	11.76	35.09	380	117	P	H
		5376.72	41.72	-12.28	54	30.8	34.25	11.76	35.09	380	117	A	H
		5062.66	51.19	-22.81	74	41.65	33.47	11.14	35.07	264	181	P	V
		5063.18	43	-11	54	33.46	33.47	11.14	35.07	264	181	A	V
	*	5220	108.88	-	-	98.85	33.86	11.25	35.08	264	181	P	V
	*	5220	100.8	-	-	90.77	33.86	11.25	35.08	264	181	A	V
		5378.88	54.45	-19.55	74	43.48	34.3	11.76	35.09	264	181	P	V
		5370.72	46.62	-7.38	54	35.69	34.25	11.76	35.08	264	181	A	V

802.11a CH 48 5240MHz		5013.78	49.99	-24.01	74	40.65	33.34	11.07	35.07	380	111	P	H
		5084.24	40.52	-13.48	54	30.93	33.52	11.14	35.07	380	111	A	H
	*	5240	100.71	-	-	90.5	33.91	11.38	35.08	380	111	P	H
	*	5240	93.11	-	-	82.9	33.91	11.38	35.08	380	111	A	H
		5394	49.22	-24.78	74	38.12	34.3	11.89	35.09	380	111	P	H
		5390.16	41.48	-12.52	54	30.38	34.3	11.89	35.09	380	111	A	H
		5090.48	51.07	-22.93	74	41.44	33.56	11.14	35.07	286	173	P	V
		5089.44	42.17	-11.83	54	32.54	33.56	11.14	35.07	286	173	A	V
	*	5240	107.91	-	-	97.7	33.91	11.38	35.08	286	173	P	V
	*	5240	100.31	-	-	90.1	33.91	11.38	35.08	286	173	A	V
		5398.8	53.96	-20.04	74	42.82	34.34	11.89	35.09	286	173	P	V
		5397.6	45.65	-8.35	54	34.51	34.34	11.89	35.09	286	173	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (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	43.52	-30.48	74	46.47	39.09	17.17	59.21	100	0	P	H
		15540	56	-18	74	52.5	41.07	19.61	57.18	255	115	P	H
		15540	45.6	-8.4	54	42.1	41.07	19.61	57.18	255	115	A	H
													H
		10360	44.04	-29.96	74	46.99	39.09	17.17	59.21	100	0	P	V
		15540	59.4	-14.6	74	55.9	41.07	19.61	57.18	296	109	P	V
		15540	49.1	-4.9	54	45.6	41.07	19.61	57.18	296	109	A	V
													V
802.11a CH 44 5220MHz		10440	46.86	-27.14	74	49.69	39.15	17.17	59.15	100	0	P	H
		15660	49.33	-24.67	74	45.45	41.31	19.68	57.11	100	0	P	H
													H
													H
		10440	45.39	-28.61	74	48.22	39.15	17.17	59.15	100	0	P	V
		15660	49.88	-24.12	74	46	41.31	19.68	57.11	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.24	-26.76	74	49.99	39.19	17.17	59.11	100	0	P	H
		15720	47.87	-26.13	74	43.76	41.45	19.73	57.07	100	0	P	H
													H
													H
		10480	46.29	-27.71	74	49.04	39.19	17.17	59.11	100	0	P	V
		15720	49.28	-24.72	74	45.17	41.45	19.73	57.07	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)
		5149.24	49.28	-24.72	74	39.46	33.69	11.21	35.08	358	119	P	H
		5030.68	41.8	-12.2	54	32.37	33.39	11.11	35.07	358	119	A	H
	*	5180	103.61	-	-	93.7	33.78	11.21	35.08	358	119	P	H
	*	5180	96.54	-	-	86.63	33.78	11.21	35.08	358	119	A	H
802.11n													H
HT20													H
CH 36		5148.72	51.59	-22.41	74	41.77	33.69	11.21	35.08	284	181	P	V
5180MHz		5150	44.56	-9.44	54	34.74	33.69	11.21	35.08	284	181	A	V
	*	5180	108.81	-	-	98.9	33.78	11.21	35.08	284	181	P	V
	*	5180	101.48	-	-	91.57	33.78	11.21	35.08	284	181	A	V
													V
													V
		5069.16	49.44	-24.56	74	39.9	33.47	11.14	35.07	380	117	P	H
		5070.72	41.43	-12.57	54	31.89	33.47	11.14	35.07	380	117	A	H
	*	5220	103.09	-	-	93.06	33.86	11.25	35.08	380	117	P	H
	*	5220	95.52	-	-	85.49	33.86	11.25	35.08	380	117	A	H
802.11n		5372.88	50.33	-23.67	74	39.4	34.25	11.76	35.08	380	117	P	H
HT20		5371.68	42.22	-11.78	54	31.29	34.25	11.76	35.08	380	117	A	H
CH 44		5061.62	49.83	-24.17	74	40.29	33.47	11.14	35.07	295	192	P	V
5220MHz		5059.54	45.81	-8.19	54	36.3	33.47	11.11	35.07	295	192	A	V
	*	5220	107.71	-	-	97.68	33.86	11.25	35.08	295	192	P	V
	*	5220	100.36	-	-	90.33	33.86	11.25	35.08	295	192	A	V
		5371.2	54.33	-19.67	74	43.4	34.25	11.76	35.08	295	192	P	V
		5371.2	47.13	-6.87	54	36.2	34.25	11.76	35.08	295	192	A	V

		5104	48.57	-25.43	74	38.9	33.56	11.18	35.07	380	114	P	H
		5089.18	41.14	-12.86	54	31.51	33.56	11.14	35.07	380	114	A	H
	*	5240	101.93	-	-	91.72	33.91	11.38	35.08	380	114	P	H
	*	5240	94.27	-	-	84.06	33.91	11.38	35.08	380	114	A	H
802.11n		5399.52	49.16	-24.84	74	38.02	34.34	11.89	35.09	380	114	P	H
HT20		5395.44	42.27	-11.73	54	31.13	34.34	11.89	35.09	380	114	A	H
CH 48		5086.06	49.86	-24.14	74	40.27	33.52	11.14	35.07	300	175	P	V
5240MHz		5089.18	42.15	-11.85	54	32.52	33.56	11.14	35.07	300	175	A	V
	*	5240	107.62	-	-	97.41	33.91	11.38	35.08	300	175	P	V
	*	5240	100.13	-	-	89.92	33.91	11.38	35.08	300	175	A	V
		5395.92	52.59	-21.41	74	41.45	34.34	11.89	35.09	300	175	P	V
		5397.84	45.96	-8.04	54	34.82	34.34	11.89	35.09	300	175	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	44.88	-29.12	74	47.83	39.09	17.17	59.21	100	0	P	H
		15540	54.25	-19.75	74	50.75	41.07	19.61	57.18	255	115	P	H
802.11n		15540	44.87	-9.13	54	41.37	41.07	19.61	57.18	255	115	A	H
HT20													H
CH 36		10360	44.97	-29.03	74	47.92	39.09	17.17	59.21	100	0	P	V
5180MHz		15540	58.51	-15.49	74	55.01	41.07	19.61	57.18	296	109	P	V
		15540	48.74	-5.26	54	45.24	41.07	19.61	57.18	296	109	A	V
													V
		10440	47.82	-26.18	74	50.65	39.15	17.17	59.15	100	0	P	H
		15660	48.79	-25.21	74	44.91	41.31	19.68	57.11	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	45.43	-28.57	74	48.26	39.15	17.17	59.15	100	0	P	V
5220MHz		15660	49.47	-24.53	74	45.59	41.31	19.68	57.11	100	0	P	V
													V
													V
		10480	44.96	-29.04	74	47.71	39.19	17.17	59.11	100	0	P	H
		15720	50.28	-23.72	74	46.17	41.45	19.73	57.07	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	45.46	-28.54	74	48.21	39.19	17.17	59.11	100	0	P	V
5240MHz		15720	48.67	-25.33	74	44.56	41.45	19.73	57.07	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		5146.9	50.73	-23.27	74	40.91	33.69	11.21	35.08	367	118	P	H
		5150	43.11	-10.89	54	33.29	33.69	11.21	35.08	367	118	A	H
	*	5190	99.23	-	-	89.28	33.78	11.25	35.08	367	118	P	H
	*	5190	91.75	-	-	81.8	33.78	11.25	35.08	367	118	A	H
		5350.08	48.79	-25.21	74	37.9	34.21	11.76	35.08	367	118	P	H
		5352.48	42.38	-11.62	54	31.49	34.21	11.76	35.08	367	118	A	H
		5143.78	54.34	-19.66	74	44.52	33.69	11.21	35.08	304	179	P	V
		5149.76	48.43	-5.57	54	38.61	33.69	11.21	35.08	304	179	A	V
	*	5190	105.89	-	-	95.94	33.78	11.25	35.08	304	179	P	V
	*	5190	97.99	-	-	88.04	33.78	11.25	35.08	304	179	A	V
		5354.16	53.21	-20.79	74	42.32	34.21	11.76	35.08	304	179	P	V
		5353.68	46.71	-7.29	54	35.82	34.21	11.76	35.08	304	179	A	V
802.11n HT40 CH 46 5230MHz		5109.46	48.68	-25.32	74	38.97	33.6	11.18	35.07	362	114	P	H
		5072.54	41.55	-12.45	54	31.96	33.52	11.14	35.07	362	114	A	H
	*	5230	99.07	-	-	88.86	33.91	11.38	35.08	362	114	P	H
	*	5230	91.48	-	-	81.27	33.91	11.38	35.08	362	114	A	H
		5446.08	49.27	-24.73	74	38	34.47	11.89	35.09	362	114	P	H
		5388.96	41.79	-12.21	54	30.69	34.3	11.89	35.09	362	114	A	H
		5089.96	50.67	-23.33	74	41.04	33.56	11.14	35.07	270	189	P	V
		5081.12	42.67	-11.33	54	33.08	33.52	11.14	35.07	270	189	A	V
	*	5230	104.66	-	-	94.45	33.91	11.38	35.08	270	189	P	V
	*	5230	96.88	-	-	86.67	33.91	11.38	35.08	270	189	A	V
		5380.08	51.87	-22.13	74	40.77	34.3	11.89	35.09	270	189	P	V
		5373.12	45.84	-8.16	54	34.91	34.25	11.76	35.08	270	189	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	44.32	-29.68	74	47.23	39.11	17.17	59.19	100	0	P	H
		15570	48.33	-25.67	74	44.72	41.14	19.63	57.16	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.06	-28.94	74	47.97	39.11	17.17	59.19	100	0	P	V
5190MHz		15570	50.4	-23.6	74	46.79	41.14	19.63	57.16	100	0	P	V
													V
													V
		10460	45	-29	74	47.81	39.16	17.17	59.14	100	0	P	H
		15690	47.26	-26.74	74	43.27	41.38	19.7	57.09	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	44.99	-29.01	74	47.8	39.16	17.17	59.14	100	0	P	V
5230MHz		15690	48.08	-25.92	74	44.09	41.38	19.7	57.09	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5136.24	52.14	-21.86	74	42.39	33.65	11.18	35.08	362	112	P	H
		5127.66	44.39	-9.61	54	34.64	33.65	11.18	35.08	362	112	A	H
	*	5210	95.43	-	-	85.4	33.86	11.25	35.08	362	112	P	H
	*	5210	88.13	-	-	78.1	33.86	11.25	35.08	362	112	A	H
		5379.84	48.88	-25.12	74	37.91	34.3	11.76	35.09	362	112	P	H
		5366.16	41.14	-12.86	54	30.21	34.25	11.76	35.08	362	112	A	H
		5135.46	57.28	-16.72	74	47.53	33.65	11.18	35.08	270	211	P	V
		5145.08	50.1	-3.9	54	40.28	33.69	11.21	35.08	270	211	A	V
	*	5210	101.53	-	-	91.5	33.86	11.25	35.08	270	211	P	V
	*	5210	94.23	-	-	84.2	33.86	11.25	35.08	270	211	A	V
		5368.32	51.62	-22.38	74	40.69	34.25	11.76	35.08	270	211	P	V
		5350.56	45.17	-8.83	54	34.28	34.21	11.76	35.08	270	211	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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)
		10420	44.62	-29.38	74	47.49	39.13	17.17	59.17	100	0	P	H
		15630	46.35	-27.65	74	42.51	41.28	19.68	57.12	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.35	-29.65	74	47.22	39.13	17.17	59.17	100	0	P	V
5210MHz		15630	46.05	-27.95	74	42.21	41.28	19.68	57.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5102.18	49.18	-24.82	74	39.51	33.56	11.18	35.07	378	110	P	H
		5109.2	40.52	-13.48	54	30.81	33.6	11.18	35.07	378	110	A	H
	*	5260	101.49	-	-	91.2	33.99	11.38	35.08	378	110	P	H
	*	5260	93.19	-	-	82.9	33.99	11.38	35.08	378	110	A	H
		5447.04	49.24	-24.76	74	37.97	34.47	11.89	35.09	378	110	P	H
		5411.52	41.44	-12.56	54	30.26	34.38	11.89	35.09	378	110	A	H
		5104	51.47	-22.53	74	41.8	33.56	11.18	35.07	284	172	P	V
		5103.22	42.69	-11.31	54	33.02	33.56	11.18	35.07	284	172	A	V
	*	5260	108.19	-	-	97.9	33.99	11.38	35.08	284	172	P	V
	*	5260	99.49	-	-	89.2	33.99	11.38	35.08	284	172	A	V
		5419.68	52.43	-21.57	74	41.25	34.38	11.89	35.09	284	172	P	V
		5409.6	45.8	-8.2	54	34.66	34.34	11.89	35.09	284	172	A	V
802.11a CH 60 5300MHz		5054.6	49.44	-24.56	74	39.93	33.47	11.11	35.07	373	114	P	H
		5149.5	40.32	-13.68	54	30.5	33.69	11.21	35.08	373	114	A	H
	*	5300	100.78	-	-	90.27	34.08	11.51	35.08	373	114	P	H
	*	5300	92.6	-	-	82.09	34.08	11.51	35.08	373	114	A	H
		5352	49.25	-24.75	74	38.36	34.21	11.76	35.08	373	114	P	H
		5457.12	41.48	-12.52	54	30.21	34.47	11.89	35.09	373	114	A	H
		5149.5	50.62	-23.38	74	40.8	33.69	11.21	35.08	282	173	P	V
		5149.76	42.5	-11.5	54	32.68	33.69	11.21	35.08	282	173	A	V
	*	5300	107.9	-	-	97.39	34.08	11.51	35.08	282	173	P	V
	*	5300	100.1	-	-	89.59	34.08	11.51	35.08	282	173	A	V
		5373.6	52.21	-21.79	74	41.29	34.25	11.76	35.09	282	173	P	V
		5449.68	44.46	-9.54	54	33.19	34.47	11.89	35.09	282	173	A	V

802.11a CH 64 5320MHz	*	5320	99.87	-	-	89.2	34.12	11.63	35.08	372	117	P	H
	*	5320	92.27	-	-	81.6	34.12	11.63	35.08	372	117	A	H
		5351.2	51.44	-22.56	74	40.55	34.21	11.76	35.08	372	117	P	H
		5350.08	40.48	-13.52	54	29.59	34.21	11.76	35.08	372	117	A	H
													H
													H
	*	5320	108.17	-	-	97.5	34.12	11.63	35.08	280	191	P	V
	*	5320	100.27	-	-	89.6	34.12	11.63	35.08	280	191	A	V
		5350.72	55.23	-18.77	74	44.34	34.21	11.76	35.08	280	191	P	V
		5350.08	45.12	-8.88	54	34.23	34.21	11.76	35.08	280	191	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	46.81	-27.19	74	49.54	39.18	17.17	59.08	100	0	P	H
		15780	48.46	-25.54	74	44.19	41.55	19.75	57.03	100	0	P	H
													H
													H
		10520	45.93	-28.07	74	48.66	39.18	17.17	59.08	100	0	P	V
		15780	47.41	-26.59	74	43.14	41.55	19.75	57.03	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	44.89	-29.11	74	47.62	39.06	17.17	58.96	100	0	P	H
		15900	46.84	-27.16	74	42.19	41.79	19.82	56.96	100	0	P	H
													H
													H
		10600	45.62	-28.38	74	48.35	39.06	17.17	58.96	100	0	P	V
		15900	47.25	-26.75	74	42.6	41.79	19.82	56.96	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	44.12	-29.88	74	46.85	39.01	17.17	58.91	100	0	P	H
		15960	46.54	-27.46	74	41.66	41.93	19.87	56.92	100	0	P	H
													H
													H
		10640	45.28	-28.72	74	48.01	39.01	17.17	58.91	100	0	P	V
		15960	48.87	-25.13	74	43.99	41.93	19.87	56.92	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5079.04	49.83	-24.17	74	40.24	33.52	11.14	35.07	380	114	P	H
		5109.46	41.25	-12.75	54	31.54	33.6	11.18	35.07	380	114	A	H
	*	5260	101.88	-	-	91.59	33.99	11.38	35.08	380	114	P	H
	*	5260	94.39	-	-	84.1	33.99	11.38	35.08	380	114	A	H
802.11n		5426.4	49.2	-24.8	74	38.02	34.38	11.89	35.09	380	114	P	H
HT20		5412.48	42.26	-11.74	54	31.08	34.38	11.89	35.09	380	114	A	H
CH 52		5105.82	49.76	-24.24	74	40.05	33.6	11.18	35.07	300	177	P	V
5260MHz		5109.2	42.88	-11.12	54	33.17	33.6	11.18	35.07	300	177	A	V
	*	5260	107.77	-	-	97.48	33.99	11.38	35.08	300	177	P	V
	*	5260	100.44	-	-	90.15	33.99	11.38	35.08	300	177	A	V
		5409.6	52.47	-21.53	74	41.33	34.34	11.89	35.09	300	177	P	V
		5409.84	46.24	-7.76	54	35.1	34.34	11.89	35.09	300	177	A	V
		5142.22	48.85	-25.15	74	39.03	33.69	11.21	35.08	372	116	P	H
		5145.86	41.21	-12.79	54	31.39	33.69	11.21	35.08	372	116	A	H
	*	5300	101.13	-	-	90.62	34.08	11.51	35.08	372	116	P	H
	*	5300	93.9	-	-	83.39	34.08	11.51	35.08	372	116	A	H
802.11n		5451.12	49.31	-24.69	74	38.04	34.47	11.89	35.09	372	116	P	H
HT20		5456.16	42.03	-11.97	54	30.76	34.47	11.89	35.09	372	116	A	H
CH 60		5070.98	49.79	-24.21	74	40.25	33.47	11.14	35.07	297	176	P	V
5300MHz		5142.74	42.94	-11.06	54	33.12	33.69	11.21	35.08	297	176	A	V
	*	5300	108.03	-	-	97.52	34.08	11.51	35.08	297	176	P	V
	*	5300	100.84	-	-	90.33	34.08	11.51	35.08	297	176	A	V
		5352.24	51.91	-22.09	74	41.02	34.21	11.76	35.08	297	176	P	V
		5448.96	44.76	-9.24	54	33.49	34.47	11.89	35.09	297	176	A	V

	*	5320	100.4	-	-	89.73	34.12	11.63	35.08	371	118	P	H
	*	5320	93.05	-	-	82.38	34.12	11.63	35.08	371	118	A	H
		5355.84	48.9	-25.1	74	38.01	34.21	11.76	35.08	371	118	P	H
		5350.24	41.21	-12.79	54	30.32	34.21	11.76	35.08	371	118	A	H
802.11n													H
HT20													H
CH 64	*	5320	107.84	-	-	97.17	34.12	11.63	35.08	295	177	P	V
5320MHz	*	5320	100.59	-	-	89.92	34.12	11.63	35.08	295	177	A	V
		5374.72	52.66	-21.34	74	41.74	34.25	11.76	35.09	295	177	P	V
		5350.72	45.86	-8.14	54	34.97	34.21	11.76	35.08	295	177	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	44.76	-29.24	74	47.49	39.18	17.17	59.08	100	0	P	H
		15780	46.86	-27.14	74	42.59	41.55	19.75	57.03	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	45.49	-28.51	74	48.22	39.18	17.17	59.08	100	0	P	V
5260MHz		15780	50.5	-23.5	74	46.23	41.55	19.75	57.03	100	0	P	V
													V
													V
		10600	44.46	-29.54	74	47.19	39.06	17.17	58.96	100	0	P	H
		15900	48.09	-25.91	74	43.44	41.79	19.82	56.96	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	45.68	-28.32	74	48.41	39.06	17.17	58.96	100	0	P	V
5300MHz		15900	48.78	-25.22	74	44.13	41.79	19.82	56.96	100	0	P	V
													V
													V
		10640	44.51	-29.49	74	47.24	39.01	17.17	58.91	100	0	P	H
		15960	46.58	-27.42	74	41.7	41.93	19.87	56.92	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	43.55	-30.45	74	46.28	39.01	17.17	58.91	100	0	P	V
5320MHz		15960	46.52	-27.48	74	41.64	41.93	19.87	56.92	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5093.86	49.56	-24.44	74	39.93	33.56	11.14	35.07	377	114	P	H
		5123.5	41.45	-12.55	54	31.7	33.65	11.18	35.08	377	114	A	H
	*	5270	99.24	-	-	88.82	33.99	11.51	35.08	377	114	P	H
	*	5270	92.05	-	-	81.63	33.99	11.51	35.08	377	114	A	H
		5403.36	49.04	-24.96	74	37.9	34.34	11.89	35.09	377	114	P	H
		5432.64	41.97	-12.03	54	30.74	34.43	11.89	35.09	377	114	A	H
		5129.22	50.57	-23.43	74	40.82	33.65	11.18	35.08	297	187	P	V
		5030.42	42.62	-11.38	54	33.19	33.39	11.11	35.07	297	187	A	V
	*	5270	105.34	-	-	94.92	33.99	11.51	35.08	297	187	P	V
	*	5270	98.33	-	-	87.91	33.99	11.51	35.08	297	187	A	V
		5352.48	52.54	-21.46	74	41.65	34.21	11.76	35.08	297	187	P	V
		5420.16	45.68	-8.32	54	34.5	34.38	11.89	35.09	297	187	A	V
802.11n HT40 CH 62 5310MHz		5123.76	49.11	-24.89	74	39.36	33.65	11.18	35.08	373	117	P	H
		5008.06	41.12	-12.88	54	31.78	33.34	11.07	35.07	373	117	A	H
	*	5310	96.41	-	-	85.74	34.12	11.63	35.08	373	117	P	H
	*	5310	89.44	-	-	78.77	34.12	11.63	35.08	373	117	A	H
		5350.08	52.56	-21.44	74	41.67	34.21	11.76	35.08	373	117	P	H
		5350.08	44.26	-9.74	54	33.37	34.21	11.76	35.08	373	117	A	H
		5147.94	49.71	-24.29	74	39.89	33.69	11.21	35.08	292	177	P	V
		5147.94	42.18	-11.82	54	32.36	33.69	11.21	35.08	292	177	A	V
	*	5310	104.09	-	-	93.42	34.12	11.63	35.08	292	177	P	V
	*	5310	96.88	-	-	86.21	34.12	11.63	35.08	292	177	A	V
		5350.8	59.14	-14.86	74	48.25	34.21	11.76	35.08	292	177	P	V
		5350.56	50.62	-3.38	54	39.73	34.21	11.76	35.08	292	177	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	44.79	-29.21	74	47.52	39.15	17.17	59.05	100	0	P	H
		15810	46.86	-27.14	74	42.48	41.62	19.77	57.01	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	44.81	-29.19	74	47.54	39.15	17.17	59.05	100	0	P	V
5270MHz		15810	46.71	-27.29	74	42.33	41.62	19.77	57.01	100	0	P	V
													V
													V
		10620	43.97	-30.03	74	46.7	39.03	17.17	58.93	100	0	P	H
		15930	46.45	-27.55	74	41.69	41.86	19.84	56.94	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	44.81	-29.19	74	47.54	39.03	17.17	58.93	100	0	P	V
5310MHz		15930	46.29	-27.71	74	41.53	41.86	19.84	56.94	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (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)
802.11ac VHT80 CH 58 5290MHz		5125.84	49.04	-24.96	74	39.29	33.65	11.18	35.08	379	112	P	H
		5046.8	41.05	-12.95	54	31.58	33.43	11.11	35.07	379	112	A	H
	*	5290	93.36	-	-	82.89	34.04	11.51	35.08	379	112	P	H
	*	5290	85.66	-	-	75.19	34.04	11.51	35.08	379	112	A	H
		5365.2	49.8	-24.2	74	38.87	34.25	11.76	35.08	379	112	P	H
		5352.24	42.73	-11.27	54	31.84	34.21	11.76	35.08	379	112	A	H
		5118.3	49.35	-24.65	74	39.65	33.6	11.18	35.08	297	178	P	V
		5139.1	43.11	-10.89	54	33.36	33.65	11.18	35.08	297	178	A	V
	*	5290	99.86	-	-	89.39	34.04	11.51	35.08	297	178	P	V
	*	5290	92.36	-	-	81.89	34.04	11.51	35.08	297	178	A	V
		5352.72	56.28	-17.72	74	45.39	34.21	11.76	35.08	297	178	P	V
		5353.44	49.25	-4.75	54	38.36	34.21	11.76	35.08	297	178	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	44.42	-29.58	74	47.15	39.08	17.17	58.98	100	0	P	H
		15870	46.43	-27.57	74	41.82	41.76	19.82	56.97	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.39	-27.61	74	49.12	39.08	17.17	58.98	100	0	P	V
5290MHz		15870	48.15	-25.85	74	43.54	41.76	19.82	56.97	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (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		5468.56	49.6	-24.4	74	38.29	34.51	11.89	35.09	366	119	P	H
		5350.32	41.69	-12.31	54	30.8	34.21	11.76	35.08	366	119	A	H
	*	5500	101.6	-	-	90.2	34.6	11.89	35.09	366	119	P	H
	*	5500	93.5	-	-	82.1	34.6	11.89	35.09	366	119	A	H
													H
													H
		5350.64	54.8	-19.2	74	43.91	34.21	11.76	35.08	274	207	P	V
		5350	47.68	-6.32	54	36.79	34.21	11.76	35.08	274	207	A	V
	*	5500	108.5	-	-	97.1	34.6	11.89	35.09	274	207	P	V
	*	5500	100.3	-	-	88.9	34.6	11.89	35.09	274	207	A	V
													V
													V
802.11a CH 116 5580MHz		5425.84	50.06	-23.94	74	38.88	34.38	11.89	35.09	374	116	P	H
		5430.16	42.09	-11.91	54	30.86	34.43	11.89	35.09	374	116	A	H
	*	5580	100.78	-	-	89.4	34.6	11.89	35.11	374	116	P	H
	*	5580	92.88	-	-	81.5	34.6	11.89	35.11	374	116	A	H
		5737	50.93	-23.07	74	39.42	34.6	12.06	35.15	374	116	P	H
		5729.65	41.79	-12.21	54	30.27	34.6	12.06	35.14	374	116	A	H
		5430.4	53.96	-20.04	74	42.73	34.43	11.89	35.09	280	203	P	V
		5422.96	46.54	-7.46	54	35.36	34.38	11.89	35.09	280	203	A	V
	*	5580	108.48	-	-	97.1	34.6	11.89	35.11	280	203	P	V
	*	5580	100.08	-	-	88.7	34.6	11.89	35.11	280	203	A	V
		5732.625	54.13	-19.87	74	42.62	34.6	12.06	35.15	280	203	P	V
		5729.825	45.86	-8.14	54	34.34	34.6	12.06	35.14	280	203	A	V

802.11a CH 140 5700MHz	*	5700	100.76	-	-	89.3	34.6	12	35.14	375	118	P	H
	*	5700	92.86	-	-	81.4	34.6	12	35.14	375	118	A	H
		5725.56	50.91	-23.09	74	39.39	34.6	12.06	35.14	375	118	P	H
		5725.08	43.39	-10.61	54	31.87	34.6	12.06	35.14	375	118	A	H
													H
													H
	*	5700	108.66	-	-	97.2	34.6	12	35.14	271	199	P	V
	*	5700	100.36	-	-	88.9	34.6	12	35.14	271	199	A	V
		5725.96	56.29	-17.71	74	44.77	34.6	12.06	35.14	271	199	P	V
		5725.08	48.12	-5.88	54	36.6	34.6	12.06	35.14	271	199	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	47.84	-26.16	74	50.57	38.5	17.17	58.4	100	0	P	H
		16500	49.47	-24.53	74	42.34	43	20.23	56.1	100	0	P	H
													H
													H
		11000	46.04	-27.96	74	48.77	38.5	17.17	58.4	100	0	P	V
		16500	50.05	-23.95	74	42.92	43	20.23	56.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	46.64	-27.36	74	48.74	38.77	17.16	58.03	100	0	P	H
		16740	48.42	-25.58	74	41.09	42.9	20.39	55.96	100	0	P	H
													H
													H
		11160	45.47	-28.53	74	47.57	38.77	17.16	58.03	100	0	P	V
		16740	48.73	-25.27	74	41.4	42.9	20.39	55.96	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	46.95	-27.05	74	48.17	39.14	17.16	57.52	100	0	P	H
		17100	49.78	-24.22	74	42.33	42.64	20.65	55.84	100	0	P	H
													H
													H
		11400	45.16	-28.84	74	46.38	39.14	17.16	57.52	100	0	P	V
		17100	48.29	-25.71	74	40.84	42.64	20.65	55.84	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)
		5465.84	49.87	-24.13	74	38.56	34.51	11.89	35.09	380	118	P	H
		5350	42.54	-11.46	54	31.65	34.21	11.76	35.08	380	118	A	H
	*	5500	101.25	-	-	89.85	34.6	11.89	35.09	380	118	P	H
	*	5500	93.81	-	-	82.41	34.6	11.89	35.09	380	118	A	H
802.11n													H
HT20													H
CH 100		5350.48	53.92	-20.08	74	43.03	34.21	11.76	35.08	272	209	P	V
5500MHz		5350.32	47.7	-6.3	54	36.81	34.21	11.76	35.08	272	209	A	V
	*	5500	109.09	-	-	97.69	34.6	11.89	35.09	272	209	P	V
	*	5500	101.96	-	-	90.56	34.6	11.89	35.09	272	209	A	V
													V
													V
		5418.16	49.61	-24.39	74	38.43	34.38	11.89	35.09	373	115	P	H
		5429.92	42.86	-11.14	54	31.63	34.43	11.89	35.09	373	115	A	H
	*	5580	101.05	-	-	89.67	34.6	11.89	35.11	373	115	P	H
	*	5580	93.75	-	-	82.37	34.6	11.89	35.11	373	115	A	H
802.11n		5728.95	50.07	-23.93	74	38.55	34.6	12.06	35.14	373	115	P	H
HT20		5729.825	42.83	-11.17	54	31.31	34.6	12.06	35.14	373	115	A	H
CH 116		5424.16	53.69	-20.31	74	42.51	34.38	11.89	35.09	270	205	P	V
5580MHz		5422.24	46.91	-7.09	54	35.73	34.38	11.89	35.09	270	205	A	V
	*	5580	111.19	-	-	99.81	34.6	11.89	35.11	270	205	P	V
	*	5580	102.17	-	-	90.79	34.6	11.89	35.11	270	205	A	V
		5737.7	52.95	-21.05	74	41.44	34.6	12.06	35.15	270	205	P	V
		5733.15	46.37	-7.63	54	34.86	34.6	12.06	35.15	270	205	A	V

	*	5700	102.01	-	-	90.55	34.6	12	35.14	372	117	P	H
	*	5700	94.69	-	-	83.23	34.6	12	35.14	372	117	A	H
		5730.84	53.56	-20.44	74	42.05	34.6	12.06	35.15	372	117	P	H
		5725	44.43	-9.57	54	32.91	34.6	12.06	35.14	372	117	A	H
802.11n													H
HT20													H
CH 140	*	5700	108.5	-	-	97.04	34.6	12	35.14	300	195	P	V
5700MHz	*	5700	101.23	-	-	89.77	34.6	12	35.14	300	195	A	V
		5725.96	58.18	-15.82	74	46.66	34.6	12.06	35.14	300	195	P	V
		5725.08	49.56	-4.44	54	38.04	34.6	12.06	35.14	300	195	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	46.89	-27.11	74	49.62	38.5	17.17	58.4	100	0	P	H
		16500	49.38	-24.62	74	42.25	43	20.23	56.1	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	45.05	-28.95	74	47.78	38.5	17.17	58.4	100	0	P	V
5500MHz		16500	50.91	-23.09	74	43.78	43	20.23	56.1	100	0	P	V
													V
													V
		11160	45.37	-28.63	74	47.47	38.77	17.16	58.03	100	0	P	H
		16740	48.88	-25.12	74	41.55	42.9	20.39	55.96	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	45.33	-28.67	74	47.43	38.77	17.16	58.03	100	0	P	V
5580MHz		16740	49.17	-24.83	74	41.84	42.9	20.39	55.96	100	0	P	V
													V
													V
		11400	45.22	-28.78	74	46.44	39.14	17.16	57.52	100	0	P	H
		17100	49.88	-24.12	74	42.43	42.64	20.65	55.84	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	45.67	-28.33	74	46.89	39.14	17.16	57.52	100	0	P	V
5700MHz		17100	50.35	-23.65	74	42.9	42.64	20.65	55.84	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)
		5396.8	48.89	-25.11	74	37.75	34.34	11.89	35.09	380	110	P	H
		5470	51.03	-17.17	68.2	39.72	34.51	11.89	35.09	380	110	P	H
		5459.92	42.11	-11.89	54	30.84	34.47	11.89	35.09	380	110	A	H
	*	5510	97.69	-	-	86.3	34.6	11.89	35.1	380	110	P	H
802.11n	*	5510	90.91	-	-	79.52	34.6	11.89	35.1	380	110	A	H
HT40		5743.65	50.54	-17.66	68.2	38.98	34.6	12.11	35.15	380	110	P	H
CH 102		5456.08	53.94	-20.06	74	42.67	34.47	11.89	35.09	268	206	P	V
5510MHz		5464.72	59.18	-9.02	68.2	47.87	34.51	11.89	35.09	268	206	P	V
		5457.28	49.88	-4.12	54	38.61	34.47	11.89	35.09	268	206	A	V
	*	5510	105.6	-	-	94.21	34.6	11.89	35.1	268	206	P	V
	*	5510	98.51	-	-	87.12	34.6	11.89	35.1	268	206	A	V
		5743.475	53.91	-14.29	68.2	42.35	34.6	12.11	35.15	268	206	P	V
		5463.28	49.5	-24.5	74	38.19	34.51	11.89	35.09	380	118	P	H
		5384.32	42.66	-11.34	54	31.56	34.3	11.89	35.09	380	118	A	H
	*	5550	96.66	-	-	85.27	34.6	11.89	35.1	380	118	P	H
	*	5550	90.49	-	-	79.1	34.6	11.89	35.1	380	118	A	H
802.11n		5726.85	49.89	-24.11	74	38.37	34.6	12.06	35.14	380	118	P	H
HT40		5764.125	42.55	-11.45	54	31	34.6	12.11	35.16	380	118	A	H
CH 110		5460.64	54.8	-19.2	74	43.53	34.47	11.89	35.09	268	204	P	V
5550MHz		5465.68	48.46	-5.54	54	37.15	34.51	11.89	35.09	268	204	A	V
	*	5550	106.81	-	-	95.42	34.6	11.89	35.1	268	204	P	V
	*	5550	99.83	-	-	88.44	34.6	11.89	35.1	268	204	A	V
		5731.05	51.21	-22.79	74	39.7	34.6	12.06	35.15	268	204	P	V
		5763.25	44.59	-9.41	54	33.04	34.6	12.11	35.16	268	204	A	V

802.11n HT40 CH 134 5670MHz		5436.16	48.61	-25.39	74	37.38	34.43	11.89	35.09	374	114	P	H
		5435.44	41.67	-12.33	54	30.44	34.43	11.89	35.09	374	114	A	H
	*	5670	98.39	-	-	86.92	34.6	12	35.13	374	114	P	H
	*	5670	91.4	-	-	79.93	34.6	12	35.13	374	114	A	H
		5729.125	50.61	-23.39	74	39.09	34.6	12.06	35.14	374	114	P	H
		5727.9	43.53	-10.47	54	32.01	34.6	12.06	35.14	374	114	A	H
		5360.8	51.03	-22.97	74	40.1	34.25	11.76	35.08	260	199	P	V
		5355.28	43.61	-10.39	54	32.72	34.21	11.76	35.08	260	199	A	V
	*	5670	105.12	-	-	93.65	34.6	12	35.13	260	199	P	V
	*	5670	98.35	-	-	86.88	34.6	12	35.13	260	199	A	V
		5725	53.34	-20.66	74	41.82	34.6	12.06	35.14	260	199	P	V
		5727.725	47.96	-6.04	54	36.44	34.6	12.06	35.14	260	199	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	43.94	-30.06	74	46.6	38.53	17.17	58.36	100	0	P	H
		16530	46.66	-21.54	68.2	39.5	42.99	20.25	56.08	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	44.49	-29.51	74	47.15	38.53	17.17	58.36	100	0	P	V
5510MHz		16530	47.5	-20.7	68.2	40.34	42.99	20.25	56.08	100	0	P	V
													V
													V
		11100	45.27	-28.73	74	47.63	38.66	17.16	58.18	100	0	P	H
		16650	48.91	-25.09	74	41.64	42.94	20.34	56.01	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	45.53	-28.47	74	47.89	38.66	17.16	58.18	100	0	P	V
5550MHz		16650	49.01	-24.99	74	41.74	42.94	20.34	56.01	100	0	P	V
													V
													V
		11340	44.7	-29.3	74	46.18	39.03	17.16	57.67	100	0	P	H
		17010	50.29	-23.71	74	42.74	42.77	20.59	55.81	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	45.71	-28.29	74	47.19	39.03	17.16	57.67	100	0	P	V
5670MHz		17010	50.02	-23.98	74	42.47	42.77	20.59	55.81	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5459.92	52.47	-21.53	74	41.2	34.47	11.89	35.09	379	117	P	H
		5462.08	53.1	-15.1	68.2	41.83	34.47	11.89	35.09	379	117	P	H
		5458.96	46.63	-7.37	54	35.36	34.47	11.89	35.09	379	117	A	H
	*	5530	92.99	-	-	81.6	34.6	11.89	35.1	379	117	P	H
	*	5530	86.09	-	-	74.7	34.6	11.89	35.1	379	117	A	H
		5746.275	50.91	-17.29	68.2	39.35	34.6	12.11	35.15	379	117	P	H
		5457.76	61.7	-12.3	74	50.43	34.47	11.89	35.09	266	206	P	V
		5460.4	61.54	-6.66	68.2	50.27	34.47	11.89	35.09	266	206	P	V
		5459.44	53.34	-0.66	54	42.07	34.47	11.89	35.09	266	206	A	V
	*	5530	101.09	-	-	89.7	34.6	11.89	35.1	266	206	P	V
	*	5530	94.49	-	-	83.1	34.6	11.89	35.1	266	206	A	V
		5746.975	52.2	-16	68.2	40.64	34.6	12.11	35.15	266	206	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	44.8	-29.2	74	47.28	38.61	17.16	58.25	100	0	P	H
		16590	49.53	-24.47	74	42.3	42.97	20.31	56.05	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.43	-29.57	74	46.91	38.61	17.16	58.25	100	0	P	V
5530MHz		16590	48.41	-25.59	74	41.18	42.97	20.31	56.05	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	102.31	-	-	90.79	34.6	12.06	35.14	374	121	P	H
	*	5720	94.81	-	-	83.29	34.6	12.06	35.14	374	121	A	H
													H
													H
													H
													H
	*	5720	108.71	-	-	97.19	34.6	12.06	35.14	300	195	P	V
	*	5720	100.71	-	-	89.19	34.6	12.06	35.14	300	195	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	44.79	-29.21	74	45.89	39.19	17.16	57.45	100	0	P	H
		17160	49.58	-24.42	74	42.22	42.53	20.7	55.87	100	0	P	H
													H
													H
		11440	46.34	-27.66	74	47.44	39.19	17.16	57.45	100	0	P	V
		17160	50.05	-23.95	74	42.69	42.53	20.7	55.87	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 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)
	*	5720	101.69	-	-	90.17	34.6	12.06	35.14	372	117	P	H
	*	5720	94.45	-	-	82.93	34.6	12.06	35.14	372	117	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	108.45	-	-	96.93	34.6	12.06	35.14	300	195	P	V
5720MHz	*	5720	98.69	-	-	87.17	34.6	12.06	35.14	300	195	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	44.7	-29.3	74	45.8	39.19	17.16	57.45	100	0	P	H
		17160	48.9	-25.1	74	41.54	42.53	20.7	55.87	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	45.79	-28.21	74	46.89	39.19	17.16	57.45	100	0	P	V
5720MHz		17160	50.39	-23.61	74	43.03	42.53	20.7	55.87	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
	*	5710	99.21	-	-	87.69	34.6	12.06	35.14	373	116	P	H
	*	5710	92.21	-	-	80.69	34.6	12.06	35.14	373	116	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	105.51	-	-	93.99	34.6	12.06	35.14	267	203	P	V
5710MHz	*	5710	98.81	-	-	87.29	34.6	12.06	35.14	267	203	A	V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	44.37	-29.63	74	45.52	39.17	17.16	57.48	100	0	P	H
		17130	50.65	-23.35	74	43.24	42.59	20.67	55.85	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	44.73	-29.27	74	45.88	39.17	17.16	57.48	100	0	P	V
5710MHz		17130	49.58	-24.42	74	42.17	42.59	20.67	55.85	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
	*	5690	93.86	-	-	82.4	34.6	12	35.14	376	115	P	H
	*	5690	87.16	-	-	75.7	34.6	12	35.14	376	115	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	100.86	-	-	89.4	34.6	12	35.14	271	204	P	V
5690MHz	*	5690	94.16	-	-	82.7	34.6	12	35.14	271	204	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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)
		11380	44.4	-29.6	74	45.69	39.11	17.16	57.56	100	0	P	H
		17070	48.31	-25.69	74	40.8	42.69	20.65	55.83	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.34	-28.66	74	46.63	39.11	17.16	57.56	100	0	P	V
5690MHz		17070	48.9	-25.1	74	41.39	42.69	20.65	55.83	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		30	33.98	-6.02	40	38.26	26	1.07	31.35	100	0	P	H
		76.71	33.88	-6.12	40	50.7	13.46	1.28	31.56	-	-	P	H
		157.44	26.9	-16.6	43.5	39.41	17.21	1.78	31.5	-	-	P	H
		456.1	29.39	-16.61	46	34.36	23.23	2.89	31.09	-	-	P	H
		806.8	31.58	-14.42	46	30.43	27.84	3.9	30.59	-	-	P	H
		967.8	33.18	-20.82	54	29.4	30.24	4.07	30.53	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	30.39	-9.61	40	34.67	26	1.07	31.35	-	-	P	V
		52.14	30.65	-9.35	40	46.7	14.48	1.07	31.6	-	-	P	V
		76.71	31.97	-8.03	40	48.79	13.46	1.28	31.56	100	0	P	V
		456.1	27.84	-18.16	46	32.81	23.23	2.89	31.09	-	-	P	V
		533.1	29.88	-16.12	46	33.22	24.47	3.14	30.95	-	-	P	V
		728.4	30.98	-15.02	46	31.07	26.85	3.74	30.68	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

1. Level(dBµV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5459.92	50.44	-23.56	74	39.17	34.47	11.89	35.09	380	117	P	H
		5460.16	50.54	-17.66	68.2	39.27	34.47	11.89	35.09	380	117	P	H
		5455.84	41.89	-12.11	54	30.62	34.47	11.89	35.09	380	117	A	H
	*	5530	92.04	-	-	80.65	34.6	11.89	35.1	380	117	P	H
802.11ac	*	5530	85.62	-	-	74.23	34.6	11.89	35.1	380	117	A	H
VHT80		5727.9	50.2	-18	68.2	38.68	34.6	12.06	35.14	380	117	P	H
CH 106		5446.24	51.28	-22.72	74	40.01	34.47	11.89	35.09	303	186	P	V
5530MHz		5460.4	53.49	-14.71	68.2	42.22	34.47	11.89	35.09	303	186	P	V
		5458.96	46.02	-7.98	54	34.75	34.47	11.89	35.09	303	186	A	V
	*	5530	99.92	-	-	88.53	34.6	11.89	35.1	303	186	P	V
	*	5530	92.71	-	-	81.32	34.6	11.89	35.1	303	186	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	44.61	-29.39	74	47.09	38.61	17.16	58.25	100	0	P	H
		16590	50.46	-23.54	74	43.23	42.97	20.31	56.05	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	43.23	-30.77	74	45.71	38.61	17.16	58.25	100	0	P	V
5530MHz		16590	49.54	-24.46	74	42.31	42.97	20.31	56.05	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		30	33.12	-6.88	40	37.4	26	1.07	31.35	-	-	P	H
		76.71	35.76	-4.24	40	52.58	13.46	1.28	31.56	100	0	P	H
		119.91	27.59	-15.91	43.5	39.65	17.9	1.55	31.51	-	-	P	H
		456.1	28.24	-17.76	46	33.21	23.23	2.89	31.09	-	-	P	H
		631.8	28.84	-17.16	46	30.35	25.71	3.57	30.79	-	-	P	H
		948.9	34.38	-11.62	46	30.66	30.18	4.07	30.53	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	29.96	-10.04	40	34.24	26	1.07	31.35	-	-	P	V
		76.71	31.46	-8.54	40	48.28	13.46	1.28	31.56	100	0	P	V
		107.49	24.01	-19.49	43.5	36.86	17.12	1.55	31.52	-	-	P	V
		479.2	27.27	-18.73	46	31.55	23.73	3.04	31.05	-	-	P	V
		745.2	30.07	-15.93	46	29.79	27.12	3.82	30.66	-	-	P	V
		969.9	33.72	-20.28	54	29.94	30.24	4.07	30.53	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

1. Level(dBµV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

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

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5099.58	50.71	-23.29	74	41.08	33.56	11.14	35.07	365	120	P	H
		5029.38	43.05	-10.95	54	33.62	33.39	11.11	35.07	365	120	A	H
	*	5180	103.51	-	-	93.6	33.78	11.21	35.08	365	120	P	H
	*	5180	96.21	-	-	86.3	33.78	11.21	35.08	365	120	A	H
802.11n													H
HT20													H
CH 36		5031.46	54.5	-19.5	74	45.07	33.39	11.11	35.07	276	189	P	V
5180MHz		5021.84	48.35	-5.65	54	38.92	33.39	11.11	35.07	276	189	A	V
	*	5180	111.11	-	-	101.2	33.78	11.21	35.08	276	189	P	V
	*	5180	104.01	-	-	94.1	33.78	11.21	35.08	276	189	A	V
													V
													V
		5063.18	50.98	-23.02	74	41.44	33.47	11.14	35.07	379	110	P	H
		5067.86	44.59	-9.41	54	35.05	33.47	11.14	35.07	379	110	A	H
	*	5220	104.43	-	-	94.4	33.86	11.25	35.08	379	110	P	H
	*	5220	96.43	-	-	86.4	33.86	11.25	35.08	379	110	A	H
802.11n		5452.08	50.23	-23.77	74	38.96	34.47	11.89	35.09	379	110	P	H
HT20		5377.44	44.07	-9.93	54	33.15	34.25	11.76	35.09	379	110	A	H
CH 44		5063.7	55.68	-18.32	74	46.14	33.47	11.14	35.07	271	208	P	V
5220MHz		5068.64	48.79	-5.21	54	39.25	33.47	11.14	35.07	271	208	A	V
	*	5220	110.83	-	-	100.8	33.86	11.25	35.08	271	208	P	V
	*	5220	103.23	-	-	93.2	33.86	11.25	35.08	271	208	A	V
		5446.56	55.49	-18.51	74	44.22	34.47	11.89	35.09	271	208	P	V
		5454.24	49.36	-4.64	54	38.09	34.47	11.89	35.09	271	208	A	V

		5007.02	50.56	-23.44	74	41.22	33.34	11.07	35.07	380	111	P	H
		5082.16	45.17	-8.83	54	35.58	33.52	11.14	35.07	380	111	A	H
	*	5240	104.41	-	-	94.2	33.91	11.38	35.08	380	111	P	H
	*	5240	97.31	-	-	87.1	33.91	11.38	35.08	380	111	A	H
802.11n		5388.48	50.5	-23.5	74	39.4	34.3	11.89	35.09	380	111	P	H
HT20		5389.2	44.49	-9.51	54	33.39	34.3	11.89	35.09	380	111	A	H
CH 48		5090.48	55.33	-18.67	74	45.7	33.56	11.14	35.07	272	208	P	V
5240MHz		5082.68	48.77	-5.23	54	39.18	33.52	11.14	35.07	272	208	A	V
	*	5240	110.51	-	-	100.3	33.91	11.38	35.08	272	208	P	V
	*	5240	103.51	-	-	93.3	33.91	11.38	35.08	272	208	A	V
		5396.64	53.66	-20.34	74	42.52	34.34	11.89	35.09	272	208	P	V
		5397.36	47.64	-6.36	54	36.5	34.34	11.89	35.09	272	208	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	45.08	-28.92	74	48.03	39.09	17.17	59.21	100	0	P	H
		15540	49.73	-24.27	74	46.23	41.07	19.61	57.18	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	45.72	-28.28	74	48.67	39.09	17.17	59.21	100	0	P	V
5180MHz		15540	49.54	-24.46	74	46.04	41.07	19.61	57.18	100	0	P	V
													V
													V
		10440	46.82	-27.18	74	49.65	39.15	17.17	59.15	100	0	P	H
		15660	56.08	-17.92	74	52.2	41.31	19.68	57.11	262	160	P	H
802.11n		15660	45.48	-8.52	54	41.6	41.31	19.68	57.11	262	160	A	H
HT20													H
CH 44		10440	45.9	-28.1	74	48.73	39.15	17.17	59.15	100	0	P	V
5220MHz		15660	59.08	-14.92	74	55.2	41.31	19.68	57.11	301	111	P	V
		15660	48.68	-5.32	54	44.8	41.31	19.68	57.11	301	111	A	V
													V
		10480	45.93	-28.07	74	48.68	39.19	17.17	59.11	100	0	P	H
		15720	57.31	-16.69	74	53.2	41.45	19.73	57.07	266	149	P	H
802.11n		15720	46.61	-7.39	54	42.5	41.45	19.73	57.07	266	149	A	H
HT20													H
CH 48		10480	46.01	-27.99	74	48.76	39.19	17.17	59.11	100	0	P	V
5240MHz		15720	60.51	-13.49	74	56.4	41.45	19.73	57.07	300	251	P	V
		15720	49.41	-4.59	54	45.3	41.45	19.73	57.07	300	251	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.26	51.83	-22.17	74	42.01	33.69	11.21	35.08	380	113	P	H
		5150	44.12	-9.88	54	34.3	33.69	11.21	35.08	380	113	A	H
	*	5190	99.17	-	-	89.22	33.78	11.25	35.08	380	113	P	H
	*	5190	91.52	-	-	81.57	33.78	11.25	35.08	380	113	A	H
802.11n		5361.36	49.58	-24.42	74	38.65	34.25	11.76	35.08	380	113	P	H
HT40		5415.36	42.72	-11.28	54	31.54	34.38	11.89	35.09	380	113	A	H
CH 38		5149.76	55.72	-18.28	74	45.9	33.69	11.21	35.08	277	159	P	V
5190MHz		5149.76	49.45	-4.55	54	39.63	33.69	11.21	35.08	277	159	A	V
	*	5190	106.76	-	-	96.81	33.78	11.25	35.08	277	159	P	V
	*	5190	98.38	-	-	88.43	33.78	11.25	35.08	277	159	A	V
		5350.56	53.14	-20.86	74	42.25	34.21	11.76	35.08	277	159	P	V
		5350.08	45.96	-8.04	54	35.07	34.21	11.76	35.08	277	159	A	V
		5147.68	49.84	-24.16	74	40.02	33.69	11.21	35.08	380	113	P	H
		5070.72	43.48	-10.52	54	33.94	33.47	11.14	35.07	380	113	A	H
	*	5230	99.89	-	-	89.68	33.91	11.38	35.08	380	113	P	H
	*	5230	92.34	-	-	82.13	33.91	11.38	35.08	380	113	A	H
802.11n		5396.64	49.67	-24.33	74	38.53	34.34	11.89	35.09	380	113	P	H
HT40		5459.04	42.51	-11.49	54	31.24	34.47	11.89	35.09	380	113	A	H
CH 46		5083.2	55.13	-18.87	74	45.54	33.52	11.14	35.07	289	159	P	V
5230MHz		5078.26	47.13	-6.87	54	37.54	33.52	11.14	35.07	289	159	A	V
	*	5230	106.28	-	-	96.07	33.91	11.38	35.08	289	159	P	V
	*	5230	97.91	-	-	87.7	33.91	11.38	35.08	289	159	A	V
		5452.32	52.35	-21.65	74	41.08	34.47	11.89	35.09	289	159	P	V
		5380.08	45.62	-8.38	54	34.52	34.3	11.89	35.09	289	159	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	44.36	-29.64	74	47.27	39.11	17.17	59.19	100	0	P	H
		15570	48.27	-25.73	74	44.66	41.14	19.63	57.16	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.21	-28.79	74	48.12	39.11	17.17	59.19	100	0	P	V
5190MHz		15570	49.26	-24.74	74	45.65	41.14	19.63	57.16	100	0	P	V
													V
													V
		10460	44.93	-29.07	74	47.74	39.16	17.17	59.14	100	0	P	H
		15690	46.95	-27.05	74	42.96	41.38	19.7	57.09	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	45.83	-28.17	74	48.64	39.16	17.17	59.14	100	0	P	V
5230MHz		15690	48.45	-25.55	74	44.46	41.38	19.7	57.09	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5137.8	52.67	-21.33	74	42.92	33.65	11.18	35.08	380	117	P	H
		5143.78	48.24	-5.76	54	38.42	33.69	11.21	35.08	380	117	A	H
	*	5210	97.81	-	-	87.78	33.86	11.25	35.08	380	117	P	H
	*	5210	90.89	-	-	80.86	33.86	11.25	35.08	380	117	A	H
		5408.88	49.45	-24.55	74	38.31	34.34	11.89	35.09	380	117	P	H
		5458.08	43.11	-10.89	54	31.84	34.47	11.89	35.09	380	117	A	H
		5147.16	58.38	-15.62	74	48.56	33.69	11.21	35.08	289	188	P	V
		5148.72	51.97	-2.03	54	42.15	33.69	11.21	35.08	289	188	A	V
	*	5210	104.12	-	-	94.09	33.86	11.25	35.08	289	188	P	V
	*	5210	95.5	-	-	85.47	33.86	11.25	35.08	289	188	A	V
		5370.24	52.64	-21.36	74	41.71	34.25	11.76	35.08	289	188	P	V
		5370	47.07	-6.93	54	36.14	34.25	11.76	35.08	289	188	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	44.89	-29.11	74	47.76	39.13	17.17	59.17	100	0	P	H
		15630	45.91	-28.09	74	42.07	41.28	19.68	57.12	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.73	-29.27	74	47.6	39.13	17.17	59.17	100	0	P	V
5210MHz		15630	46.72	-27.28	74	42.88	41.28	19.68	57.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5102.18	51.35	-22.65	74	41.68	33.56	11.18	35.07	378	112	P	H
		5104.26	44.4	-9.6	54	34.73	33.56	11.18	35.07	378	112	A	H
	*	5260	104.99	-	-	94.7	33.99	11.38	35.08	378	112	P	H
	*	5260	97.39	-	-	87.1	33.99	11.38	35.08	378	112	A	H
802.11n		5415.6	50.35	-23.65	74	39.17	34.38	11.89	35.09	378	112	P	H
HT20		5411.04	44.55	-9.45	54	33.41	34.34	11.89	35.09	378	112	A	H
CH 52		5105.3	56.1	-17.9	74	46.43	33.56	11.18	35.07	255	210	P	V
5260MHz		5109.72	49.34	-4.66	54	39.63	33.6	11.18	35.07	255	210	A	V
	*	5260	110.69	-	-	100.4	33.99	11.38	35.08	255	210	P	V
	*	5260	103.49	-	-	93.2	33.99	11.38	35.08	255	210	A	V
		5409.84	54.69	-19.31	74	43.55	34.34	11.89	35.09	255	210	P	V
		5415.6	48.77	-5.23	54	37.59	34.38	11.89	35.09	255	210	A	V
		5147.42	49.62	-24.38	74	39.8	33.69	11.21	35.08	367	140	P	H
		5067.34	42.44	-11.56	54	32.9	33.47	11.14	35.07	367	140	A	H
	*	5300	101.4	-	-	90.89	34.08	11.51	35.08	367	140	P	H
	*	5300	94.3	-	-	83.79	34.08	11.51	35.08	367	140	A	H
802.11n		5445.36	48.21	-25.79	74	36.98	34.43	11.89	35.09	367	140	P	H
HT20		5449.44	42.56	-11.44	54	31.29	34.47	11.89	35.09	367	140	A	H
CH 60		5148.46	55.68	-18.32	74	45.86	33.69	11.21	35.08	294	191	P	V
5300MHz		5065.52	48.88	-5.12	54	39.34	33.47	11.14	35.07	294	191	A	V
	*	5300	111.2	-	-	100.69	34.08	11.51	35.08	294	191	P	V
	*	5300	104.2	-	-	93.69	34.08	11.51	35.08	294	191	A	V
		5456.16	56.9	-17.1	74	45.63	34.47	11.89	35.09	294	191	P	V
		5457.12	49.91	-4.09	54	38.64	34.47	11.89	35.09	294	191	A	V

	*	5320	104.27	-	-	93.6	34.12	11.63	35.08	367	115	P	H
	*	5320	97.07	-	-	86.4	34.12	11.63	35.08	367	115	A	H
		5357.12	49.76	-24.24	74	38.87	34.21	11.76	35.08	367	115	P	H
		5350.24	42.76	-11.24	54	31.87	34.21	11.76	35.08	367	115	A	H
802.11n													H
HT20													H
CH 64	*	5320	109.67	-	-	99	34.12	11.63	35.08	275	211	P	V
5320MHz	*	5320	102.87	-	-	92.2	34.12	11.63	35.08	275	211	A	V
		5351.2	53.95	-20.05	74	43.06	34.21	11.76	35.08	275	211	P	V
		5351.36	46.14	-7.86	54	35.25	34.21	11.76	35.08	275	211	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	45.42	-28.58	74	48.15	39.18	17.17	59.08	100	0	P	H
		15780	47.84	-26.16	74	43.57	41.55	19.75	57.03	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	46.87	-27.13	74	49.6	39.18	17.17	59.08	100	0	P	V
5260MHz		15780	49.18	-24.82	74	44.91	41.55	19.75	57.03	100	0	P	V
													V
													V
		10600	45.17	-28.83	74	47.9	39.06	17.17	58.96	100	0	P	H
		15900	48.39	-25.61	74	43.74	41.79	19.82	56.96	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	45.87	-28.13	74	48.6	39.06	17.17	58.96	100	0	P	V
5300MHz		15900	49.28	-24.72	74	44.63	41.79	19.82	56.96	100	0	P	V
													V
													V
		10640	45.34	-28.66	74	48.07	39.01	17.17	58.91	100	0	P	H
		15960	47.36	-26.64	74	42.48	41.93	19.87	56.92	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	46.11	-27.89	74	48.84	39.01	17.17	58.91	100	0	P	V
5320MHz		15960	50.59	-23.41	74	45.71	41.93	19.87	56.92	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5105.56	51.05	-22.95	74	41.34	33.6	11.18	35.07	372	113	P	H
		5121.42	42.93	-11.07	54	33.23	33.6	11.18	35.08	372	113	A	H
	*	5270	100.53	-	-	90.11	33.99	11.51	35.08	372	113	P	H
	*	5270	92.54	-	-	82.12	33.99	11.51	35.08	372	113	A	H
		5416.08	49.28	-24.72	74	38.1	34.38	11.89	35.09	372	113	P	H
		5414.64	42.82	-11.18	54	31.64	34.38	11.89	35.09	372	113	A	H
		5040.3	54.22	-19.78	74	44.75	33.43	11.11	35.07	289	159	P	V
		5044.46	47.05	-6.95	54	37.58	33.43	11.11	35.07	289	159	A	V
	*	5270	105.65	-	-	95.23	33.99	11.51	35.08	289	159	P	V
	*	5270	98.29	-	-	87.87	33.99	11.51	35.08	289	159	A	V
		5355.36	51.75	-22.25	74	40.86	34.21	11.76	35.08	289	159	P	V
		5411.28	45.38	-8.62	54	34.24	34.34	11.89	35.09	289	159	A	V
802.11n HT40 CH 62 5310MHz		5092.56	50.3	-23.7	74	40.67	33.56	11.14	35.07	370	113	P	H
		5007.54	42.97	-11.03	54	33.63	33.34	11.07	35.07	370	113	A	H
	*	5310	99.98	-	-	89.31	34.12	11.63	35.08	370	113	P	H
	*	5310	91.84	-	-	81.17	34.12	11.63	35.08	370	113	A	H
		5350.56	51.07	-22.93	74	40.18	34.21	11.76	35.08	370	113	P	H
		5350.8	44.78	-9.22	54	33.89	34.21	11.76	35.08	370	113	A	H
		5004.16	53.08	-20.92	74	43.74	33.34	11.07	35.07	277	193	P	V
		5007.54	45.75	-8.25	54	36.41	33.34	11.07	35.07	277	193	A	V
	*	5310	106.14	-	-	95.47	34.12	11.63	35.08	277	193	P	V
	*	5310	98.51	-	-	87.84	34.12	11.63	35.08	277	193	A	V
		5350.8	56.54	-17.46	74	45.65	34.21	11.76	35.08	277	193	P	V
		5350.8	50	-4	54	39.11	34.21	11.76	35.08	277	193	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	44.46	-29.54	74	47.19	39.15	17.17	59.05	100	0	P	H
		15810	47.99	-26.01	74	43.61	41.62	19.77	57.01	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	44.15	-29.85	74	46.88	39.15	17.17	59.05	100	0	P	V
5270MHz		15810	48.85	-25.15	74	44.47	41.62	19.77	57.01	100	0	P	V
													V
													V
		10620	44.87	-29.13	74	47.6	39.03	17.17	58.93	100	0	P	H
		15930	46.86	-27.14	74	42.1	41.86	19.84	56.94	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	44.66	-29.34	74	47.39	39.03	17.17	58.93	100	0	P	V
5310MHz		15930	46.92	-27.08	74	42.16	41.86	19.84	56.94	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5132.08	50.11	-23.89	74	40.36	33.65	11.18	35.08	371	114	P	H
		5121.42	42.71	-11.29	54	33.01	33.6	11.18	35.08	371	114	A	H
	*	5290	96.3	-	-	85.83	34.04	11.51	35.08	371	114	P	H
	*	5290	89.39	-	-	78.92	34.04	11.51	35.08	371	114	A	H
		5358.96	52.77	-21.23	74	41.88	34.21	11.76	35.08	371	114	P	H
		5367.6	49.05	-4.95	54	38.12	34.25	11.76	35.08	371	114	A	H
		5109.2	51.62	-22.38	74	41.91	33.6	11.18	35.07	297	188	P	V
		5148.98	44.23	-9.77	54	34.41	33.69	11.21	35.08	297	188	A	V
	*	5290	101.39	-	-	90.92	34.04	11.51	35.08	297	188	P	V
	*	5290	96.59	-	-	86.12	34.04	11.51	35.08	297	188	A	V
		5358.24	56.38	-17.62	74	45.49	34.21	11.76	35.08	297	188	P	V
		5354.64	52.83	-1.17	54	41.94	34.21	11.76	35.08	297	188	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	43.95	-30.05	74	46.68	39.08	17.17	58.98	100	0	P	H
		15870	47.23	-26.77	74	42.62	41.76	19.82	56.97	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.14	-28.86	74	47.87	39.08	17.17	58.98	100	0	P	V
5290MHz		15870	48.4	-25.6	74	43.79	41.76	19.82	56.97	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5458.32	49.33	-24.67	74	38.06	34.47	11.89	35.09	380	115	P	H
		5350.16	43.13	-10.87	54	32.24	34.21	11.76	35.08	380	115	A	H
	*	5500	104.2	-	-	92.8	34.6	11.89	35.09	380	115	P	H
	*	5500	96.9	-	-	85.5	34.6	11.89	35.09	380	115	A	H
802.11n													H
HT20													H
CH 100		5463.28	56.6	-17.4	74	45.29	34.51	11.89	35.09	271	210	P	V
5500MHz		5350	47.93	-6.07	54	37.04	34.21	11.76	35.08	271	210	A	V
	*	5500	110.8	-	-	99.4	34.6	11.89	35.09	271	210	P	V
	*	5500	103.7	-	-	92.3	34.6	11.89	35.09	271	210	A	V
													V
													V
		5428.96	51.41	-22.59	74	40.18	34.43	11.89	35.09	370	114	P	H
		5429.68	44.3	-9.7	54	33.07	34.43	11.89	35.09	370	114	A	H
	*	5580	104.48	-	-	93.1	34.6	11.89	35.11	370	114	P	H
	*	5580	96.98	-	-	85.6	34.6	11.89	35.11	370	114	A	H
802.11n		5736.125	49.88	-24.12	74	38.37	34.6	12.06	35.15	370	114	P	H
HT20		5738.05	43.49	-10.51	54	31.98	34.6	12.06	35.15	370	114	A	H
CH 116		5352.88	54.87	-19.13	74	43.98	34.21	11.76	35.08	270	207	P	V
5580MHz		5351.44	48.88	-5.12	54	37.99	34.21	11.76	35.08	270	207	A	V
	*	5580	111.68	-	-	100.3	34.6	11.89	35.11	270	207	P	V
	*	5580	104.28	-	-	92.9	34.6	11.89	35.11	270	207	A	V
		5734.55	54.14	-19.86	74	42.63	34.6	12.06	35.15	270	207	P	V
		5737.175	46.84	-7.16	54	35.33	34.6	12.06	35.15	270	207	A	V

	*	5700	104.56	-	-	93.1	34.6	12	35.14	372	120	P	H
	*	5700	97.26	-	-	85.8	34.6	12	35.14	372	120	A	H
		5731.4	54.58	-19.42	74	43.07	34.6	12.06	35.15	372	120	P	H
		5726.2	43.72	-10.28	54	32.2	34.6	12.06	35.14	372	120	A	H
802.11n													H
HT20													H
CH 140	*	5700	110.66	-	-	99.2	34.6	12	35.14	269	212	P	V
5700MHz	*	5700	103.26	-	-	91.8	34.6	12	35.14	269	212	A	V
		5736.2	55.26	-18.74	74	43.75	34.6	12.06	35.15	269	212	P	V
		5725.08	48.41	-5.59	54	36.89	34.6	12.06	35.14	269	212	A	V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.19	-27.81	74	48.92	38.5	17.17	58.4	100	0	P	H
		16500	49.45	-24.55	74	42.32	43	20.23	56.1	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	45.45	-28.55	74	48.18	38.5	17.17	58.4	100	0	P	V
5500MHz		16500	50.53	-23.47	74	43.4	43	20.23	56.1	100	0	P	V
													V
													V
		11160	45.23	-28.77	74	47.33	38.77	17.16	58.03	100	0	P	H
		16740	48.67	-25.33	74	41.34	42.9	20.39	55.96	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	46.82	-27.18	74	48.92	38.77	17.16	58.03	100	0	P	V
5580MHz		16740	49.25	-24.75	74	41.92	42.9	20.39	55.96	100	0	P	V
													V
													V
		11400	46.27	-27.73	74	47.49	39.14	17.16	57.52	100	0	P	H
		17100	49	-25	74	41.55	42.64	20.65	55.84	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	47.14	-26.86	74	48.36	39.14	17.16	57.52	100	0	P	V
5700MHz		17100	50.14	-23.86	74	42.69	42.64	20.65	55.84	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5466.88	50.18	-23.82	74	38.87	34.51	11.89	35.09	380	117	P	H
		5470	44.05	-9.95	54	32.74	34.51	11.89	35.09	380	117	A	H
	*	5510	97.94	-	-	86.55	34.6	11.89	35.1	380	117	P	H
	*	5510	90.88	-	-	79.49	34.6	11.89	35.1	380	117	A	H
802.11n		5745.75	49.33	-24.67	74	37.77	34.6	12.11	35.15	380	117	P	H
HT40		5751.175	41.91	-12.09	54	30.35	34.6	12.11	35.15	380	117	A	H
CH 102		5469.28	58.81	-15.19	74	47.5	34.51	11.89	35.09	288	188	P	V
5510MHz		5470	51.12	-2.88	54	39.81	34.51	11.89	35.09	288	188	A	V
	*	5510	106.06	-	-	94.67	34.6	11.89	35.1	288	188	P	V
	*	5510	98.01	-	-	86.62	34.6	11.89	35.1	288	188	A	V
		5750.475	51.36	-22.64	74	39.8	34.6	12.11	35.15	288	188	P	V
		5728.95	44.66	-9.34	54	33.14	34.6	12.06	35.14	288	188	A	V
		5462.56	49.84	-24.16	74	38.53	34.51	11.89	35.09	373	117	P	H
		5463.52	42.89	-11.11	54	31.58	34.51	11.89	35.09	373	117	A	H
	*	5550	98.14	-	-	86.75	34.6	11.89	35.1	373	117	P	H
	*	5550	90.97	-	-	79.58	34.6	11.89	35.1	373	117	A	H
802.11n		5739.275	49.13	-24.87	74	37.62	34.6	12.06	35.15	373	117	P	H
HT40		5762.025	41.21	-12.79	54	29.66	34.6	12.11	35.16	373	117	A	H
CH 110		5467.12	55.36	-18.64	74	44.05	34.51	11.89	35.09	287	188	P	V
5550MHz		5469.52	48.35	-5.65	54	37.04	34.51	11.89	35.09	287	188	A	V
	*	5550	105.24	-	-	93.85	34.6	11.89	35.1	287	188	P	V
	*	5550	97.56	-	-	86.17	34.6	11.89	35.1	287	188	A	V
		5759.925	49.86	-24.14	74	38.31	34.6	12.11	35.16	287	188	P	V
		5762.725	42.66	-11.34	54	31.11	34.6	12.11	35.16	287	188	A	V

		5428.72	48.72	-25.28	74	37.49	34.43	11.89	35.09	375	120	P	H
		5444.8	41.48	-12.52	54	30.25	34.43	11.89	35.09	375	120	A	H
	*	5670	100.36	-	-	88.89	34.6	12	35.13	375	120	P	H
	*	5670	90.84	-	-	79.37	34.6	12	35.13	375	120	A	H
802.11n		5729.65	48.99	-25.01	74	37.47	34.6	12.06	35.14	375	120	P	H
HT40		5760.1	41.94	-12.06	54	30.39	34.6	12.11	35.16	375	120	A	H
CH 134		5448.4	52.19	-21.81	74	40.92	34.47	11.89	35.09	285	205	P	V
5670MHz		5372.56	44.54	-9.46	54	33.61	34.25	11.76	35.08	285	205	A	V
	*	5670	105.61	-	-	94.14	34.6	12	35.13	285	205	P	V
	*	5670	97.56	-	-	86.09	34.6	12	35.13	285	205	A	V
		5759.4	51.38	-22.62	74	39.83	34.6	12.11	35.16	285	205	P	V
		5729.475	44.57	-9.43	54	33.05	34.6	12.06	35.14	285	205	A	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	45.25	-28.75	74	47.91	38.53	17.17	58.36	100	0	P	H
		16530	50.13	-23.87	74	42.97	42.99	20.25	56.08	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	45.12	-28.88	74	47.78	38.53	17.17	58.36	100	0	P	V
5510MHz		16530	48.49	-25.51	74	41.33	42.99	20.25	56.08	100	0	P	V
													V
													V
		11100	44.99	-29.01	74	47.35	38.66	17.16	58.18	100	0	P	H
		16650	49.28	-24.72	74	42.01	42.94	20.34	56.01	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	45.65	-28.35	74	48.01	38.66	17.16	58.18	100	0	P	V
5550MHz		16650	49.19	-24.81	74	41.92	42.94	20.34	56.01	100	0	P	V
													V
													V
		11340	44.18	-29.82	74	45.66	39.03	17.16	57.67	100	0	P	H
		17010	50.1	-23.9	74	42.55	42.77	20.59	55.81	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	45.31	-28.69	74	46.79	39.03	17.16	57.67	100	0	P	V
5670MHz		17010	49.83	-24.17	74	42.28	42.77	20.59	55.81	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5466.16	50.38	-23.62	74	39.07	34.51	11.89	35.09	378	117	P	H
		5469.28	45.5	-8.5	54	34.19	34.51	11.89	35.09	378	117	A	H
	*	5530	95.51	-	-	84.12	34.6	11.89	35.1	378	117	P	H
	*	5530	89.78	-	-	78.39	34.6	11.89	35.1	378	117	A	H
		5759.75	50.32	-23.68	74	38.77	34.6	12.11	35.16	378	117	P	H
		5734.025	43.47	-10.53	54	31.96	34.6	12.06	35.15	378	117	A	H
		5466.64	57.21	-16.79	74	45.9	34.51	11.89	35.09	297	188	P	V
		5467.6	53.14	-0.86	54	41.83	34.51	11.89	35.09	297	188	A	V
	*	5530	101.43	-	-	90.04	34.6	11.89	35.1	297	188	P	V
	*	5530	96.99	-	-	85.6	34.6	11.89	35.1	297	188	A	V
		5765	52.05	-21.95	74	40.5	34.6	12.11	35.16	297	188	P	V
		5736.125	45.58	-8.42	54	34.07	34.6	12.06	35.15	297	188	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	44.95	-29.05	74	47.43	38.61	17.16	58.25	100	0	P	H
		16590	49.15	-24.85	74	41.92	42.97	20.31	56.05	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	46	-28	74	48.48	38.61	17.16	58.25	100	0	P	V
5530MHz		16590	49.38	-24.62	74	42.15	42.97	20.31	56.05	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5720	103.81	-	-	92.29	34.6	12.06	35.14	368	119	P	H
	*	5720	96.91	-	-	85.39	34.6	12.06	35.14	368	119	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	110.61	-	-	99.09	34.6	12.06	35.14	269	212	P	V
5720MHz	*	5720	103.21	-	-	91.69	34.6	12.06	35.14	269	212	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	45.76	-28.24	74	46.86	39.19	17.16	57.45	100	0	P	H
		17160	49.19	-24.81	74	41.83	42.53	20.7	55.87	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	45.58	-28.42	74	46.68	39.19	17.16	57.45	100	0	P	V
5720MHz		17160	49.39	-24.61	74	42.03	42.53	20.7	55.87	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5710	99.31	-	-	87.79	34.6	12.06	35.14	380	120	P	H
	*	5710	91.11	-	-	79.59	34.6	12.06	35.14	380	120	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	107.56	-	-	96.04	34.6	12.06	35.14	268	188	P	V
5710MHz	*	5710	97.18	-	-	85.66	34.6	12.06	35.14	268	188	A	V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	44.42	-29.58	74	45.57	39.17	17.16	57.48	100	0	P	H
		17130	49.35	-24.65	74	41.94	42.59	20.67	55.85	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	45.01	-28.99	74	46.16	39.17	17.16	57.48	100	0	P	V
5710MHz		17130	49.1	-24.9	74	41.69	42.59	20.67	55.85	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5674	95.65	-	-	84.18	34.6	12	35.13	370	117	P	H
													H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5686	102.84	-	-	91.38	34.6	12	35.14	287	188	P	V
5690MHz	*	5686	96.69	-	-	85.23	34.6	12	35.14	287	188	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	44.48	-29.52	74	45.77	39.11	17.16	57.56	100	0	P	H
		17070	48.93	-25.07	74	41.42	42.69	20.65	55.83	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46	-28	74	47.29	39.11	17.16	57.56	100	0	P	V
5690MHz		17070	49.37	-24.63	74	41.86	42.69	20.65	55.83	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		30.27	33.67	-6.33	40	37.95	26	1.07	31.35	-	-	P	H
		76.71	36.31	-3.69	40	53.13	13.46	1.28	31.56	100	0	P	H
		119.91	27.11	-16.39	43.5	39.17	17.9	1.55	31.51	-	-	P	H
		456.1	28.38	-17.62	46	33.35	23.23	2.89	31.09	-	-	P	H
		705.3	29.92	-16.08	46	30.41	26.48	3.74	30.71	-	-	P	H
		948.2	33.12	-12.88	46	29.4	30.18	4.07	30.53	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	30.36	-9.64	40	34.64	26	1.07	31.35	-	-	P	V
		52.14	31.52	-8.48	40	47.57	14.48	1.07	31.6	100	0	P	V
		76.71	31.24	-8.76	40	48.06	13.46	1.28	31.56	-	-	P	V
		456.1	27.12	-18.88	46	32.09	23.23	2.89	31.09	-	-	P	V
		805.4	31.39	-14.61	46	30.28	27.8	3.9	30.59	-	-	P	V
		986.7	33.57	-20.43	54	29.84	30.27	3.98	30.52	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

1. Level(dBµV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

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

Appendix B. Radiated Spurious Emission

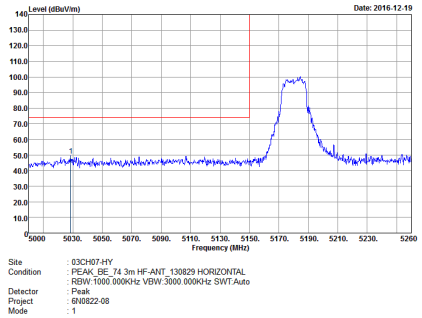
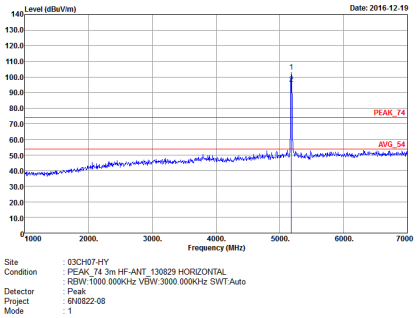
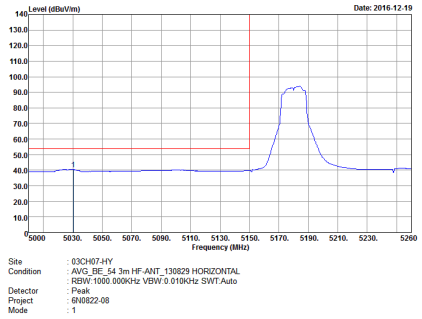
Test Engineer :	Jesse Wang, James Chiu, and Daniel Lee	**Temperature :**	22~24°C
		Relative Humidity :	46~49%

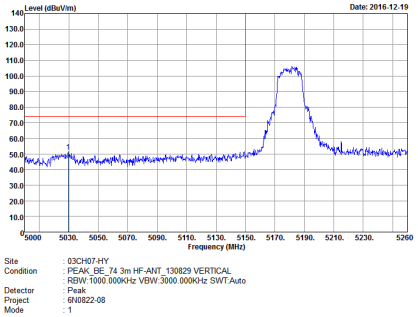
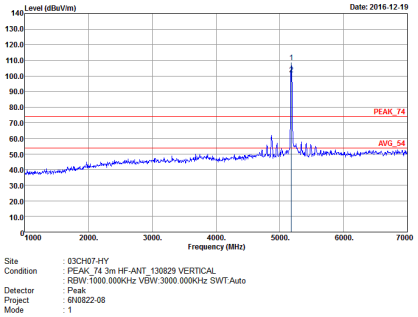
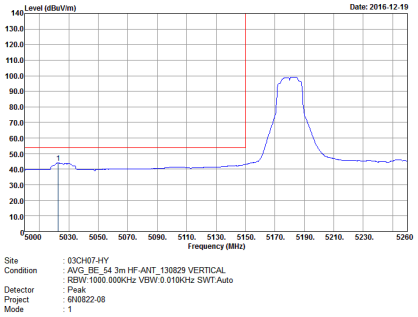
Note symbol

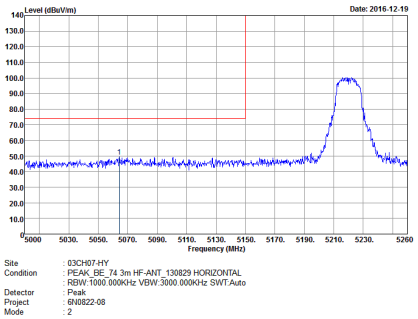
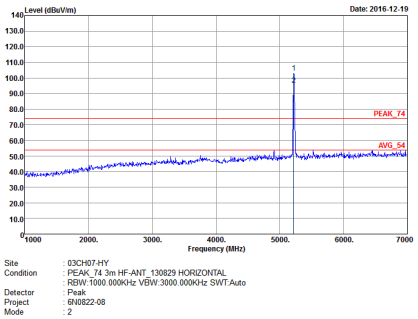
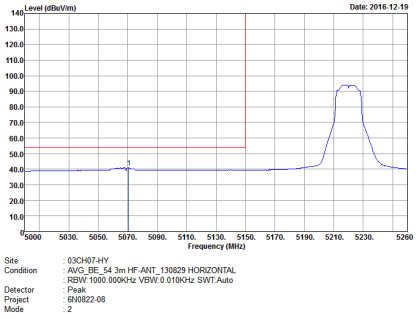
-L	**Low channel location**
-R	**High channel location**

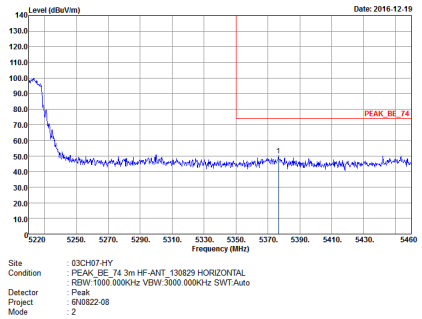
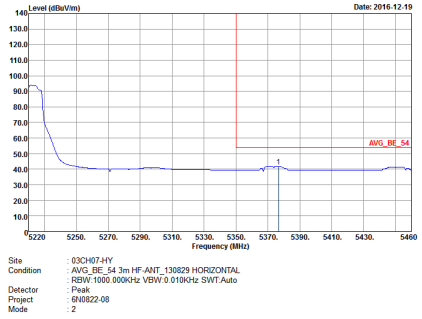
Band 1 - 5150~5250MHz

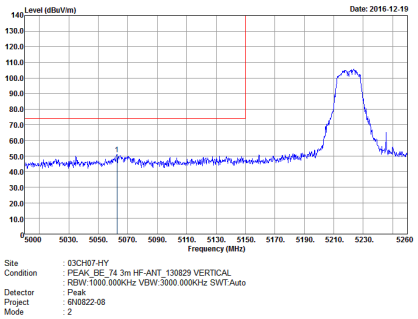
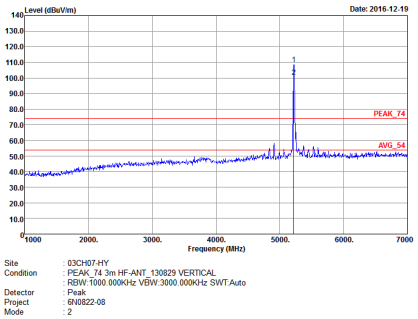
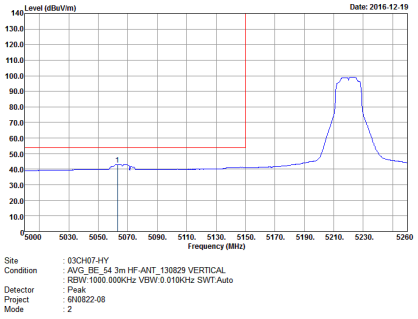
WIFI 802.11a (Band Edge @ 3m)

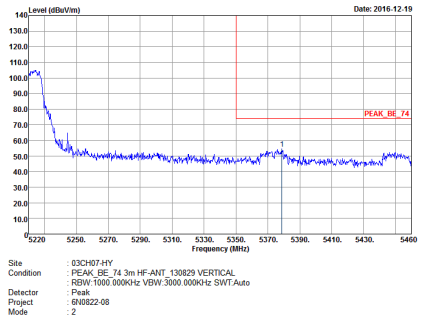
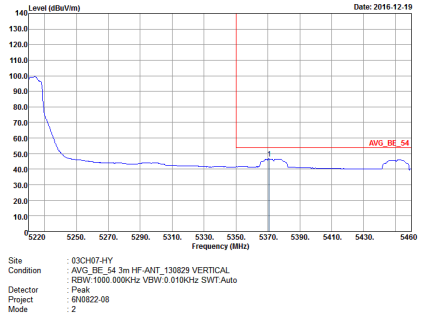
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

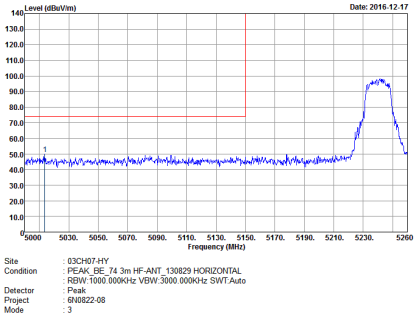
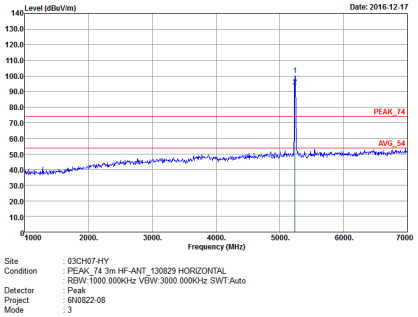
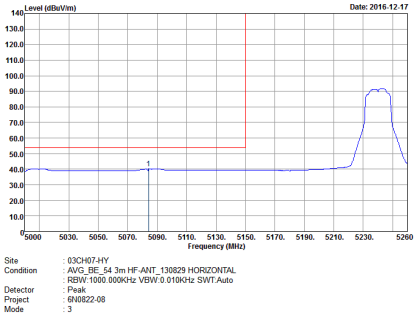
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

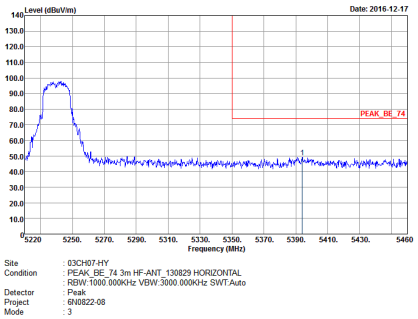
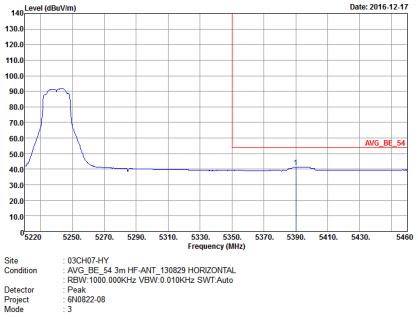
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

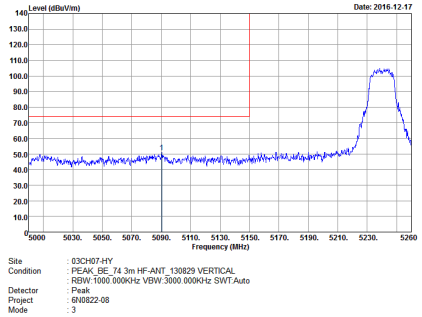
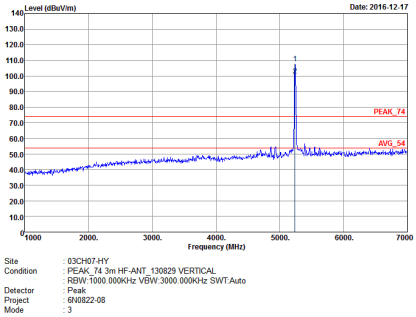
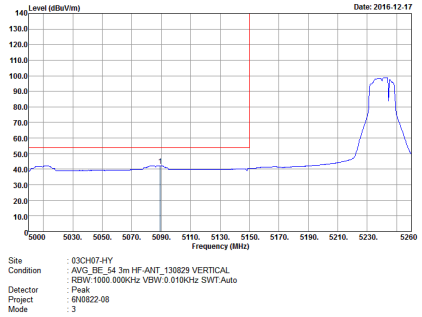
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

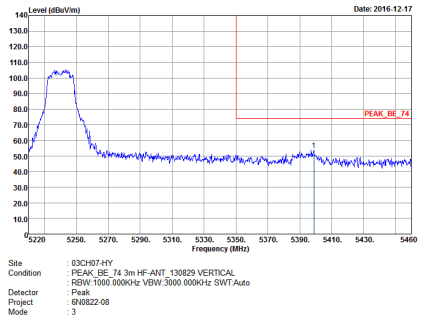
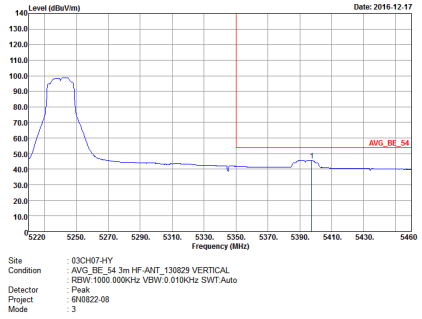
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

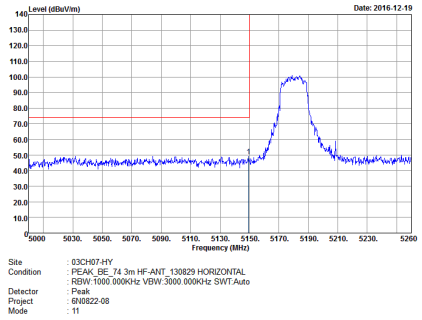
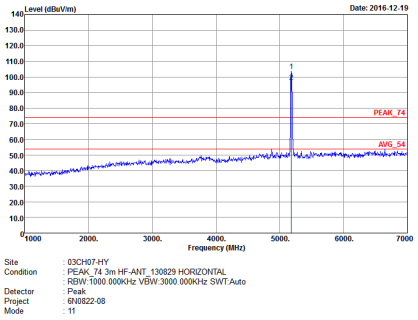
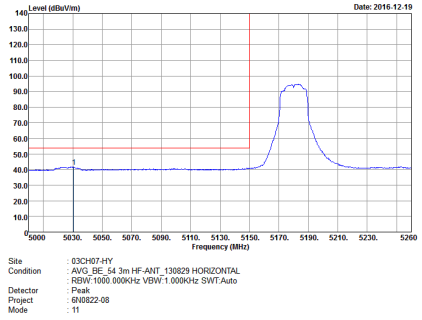
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

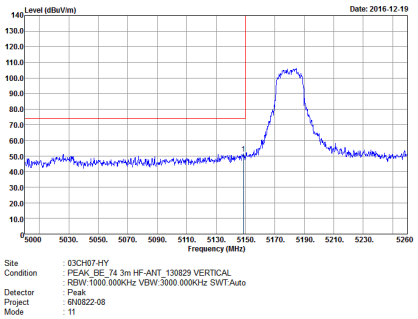
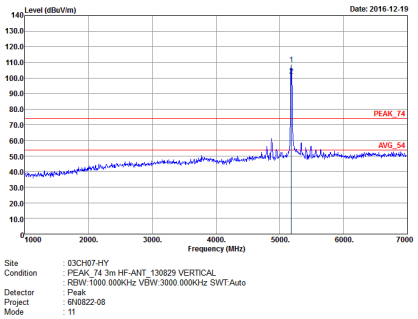
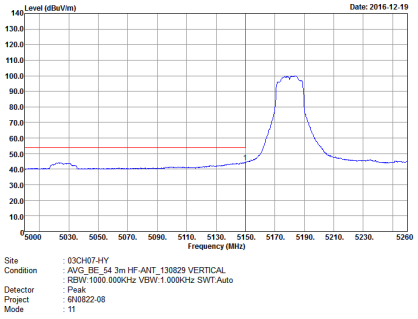
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

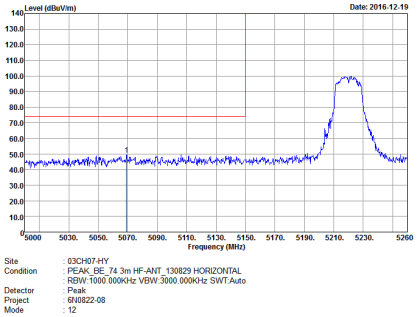
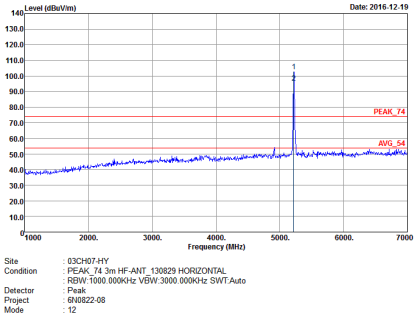
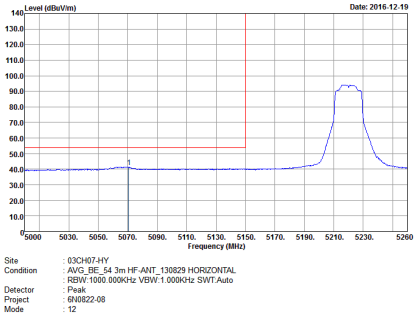
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

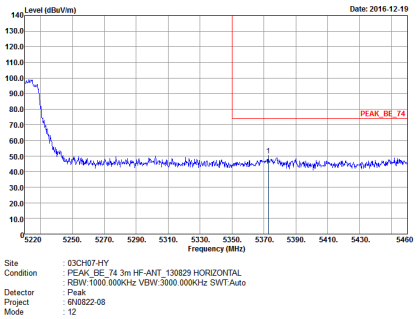
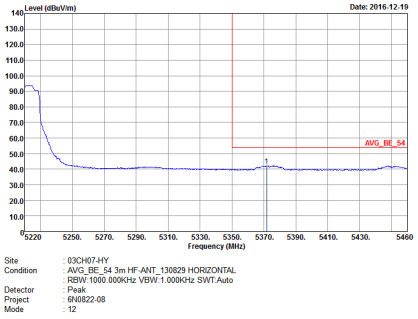
Band 1 5150~5250MHz

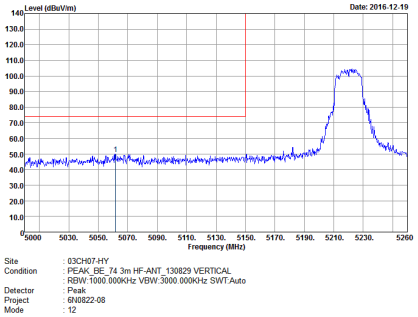
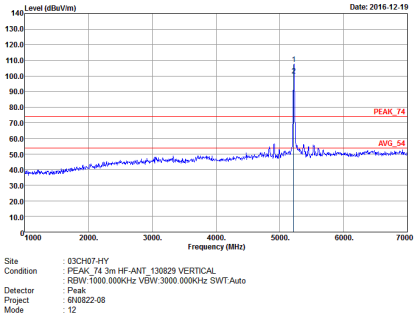
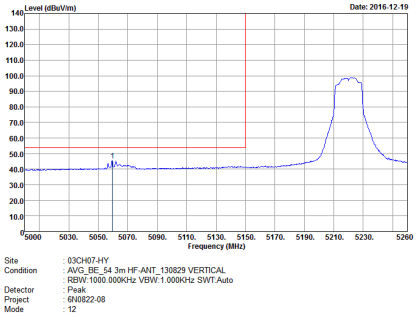
WIFI 802.11n HT20 (Band Edge @ 3m)

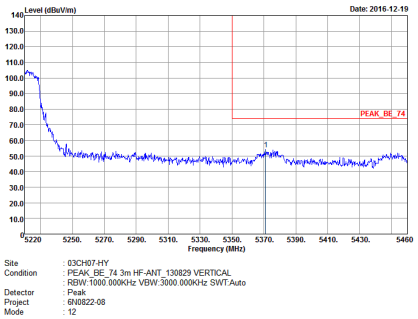
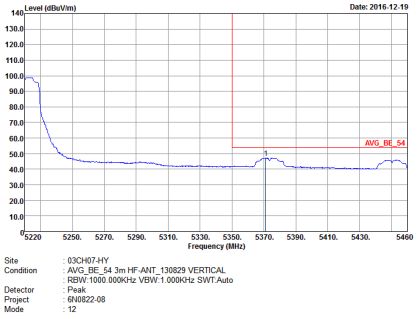
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

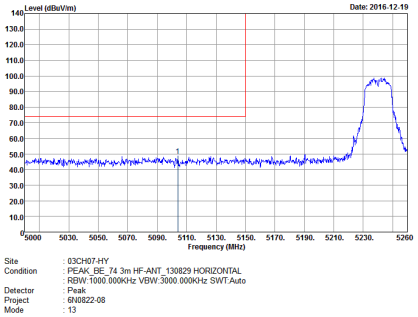
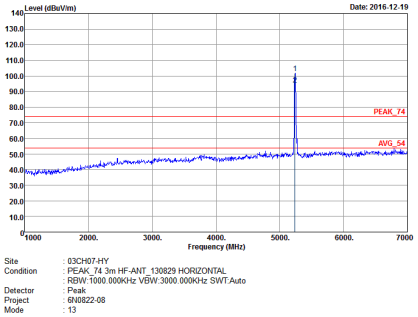
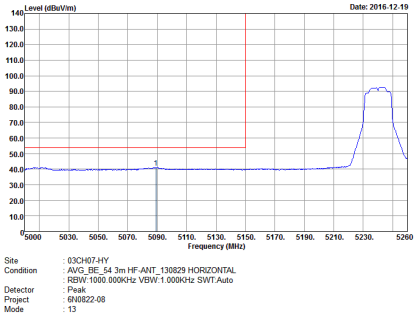
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

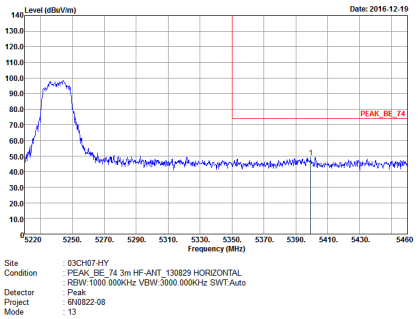
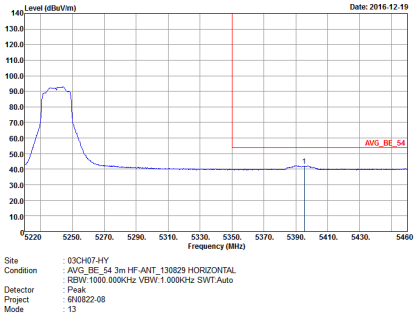
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

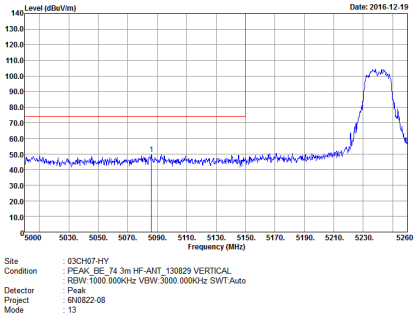
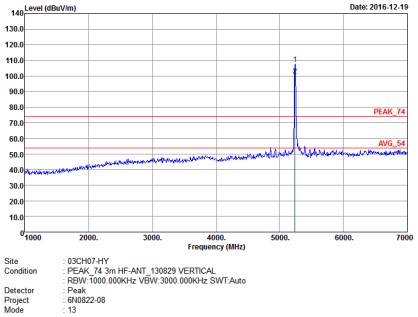
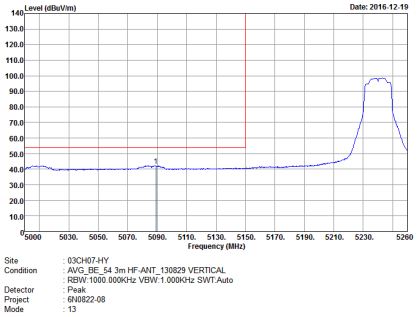
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

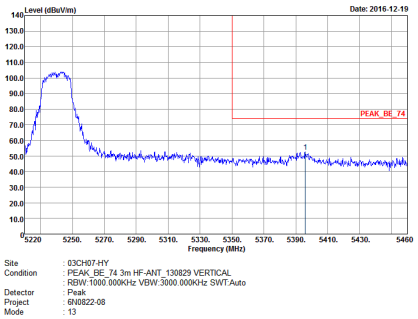
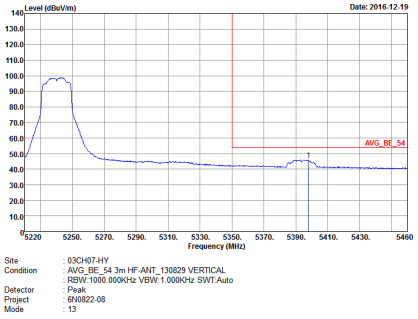
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

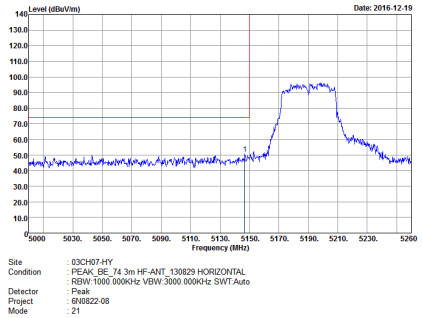
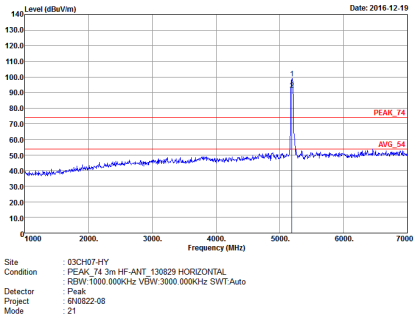
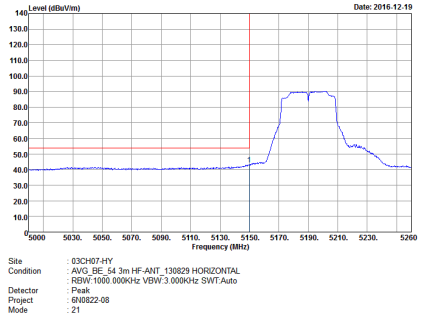
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

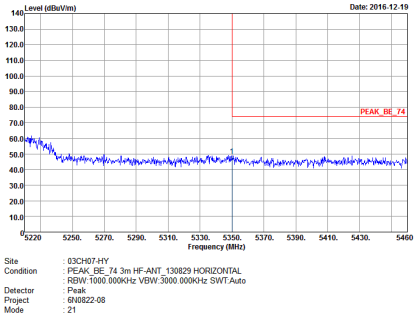
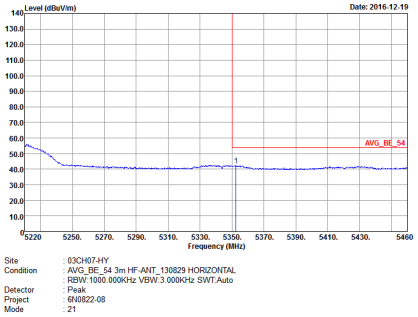
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

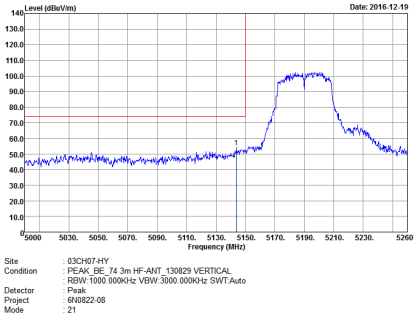
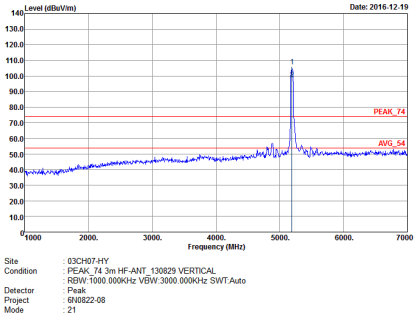
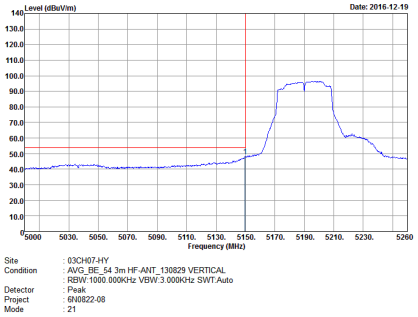
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

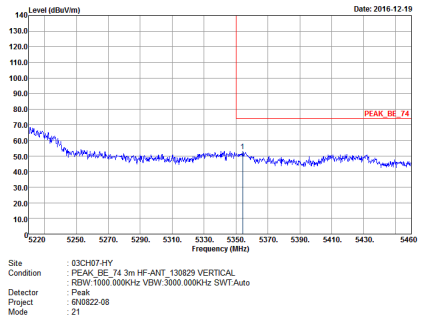
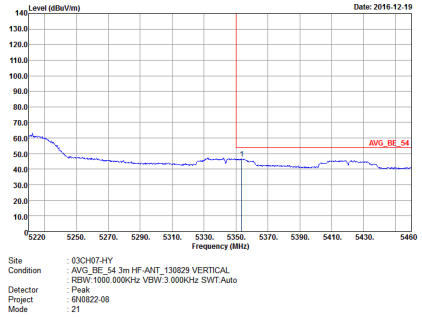
Band 1 5150~5250MHz

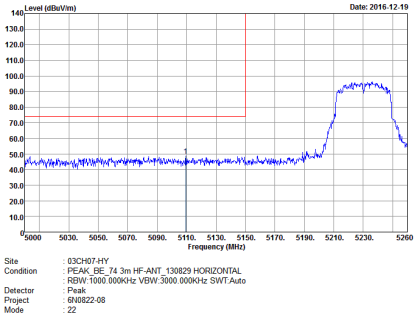
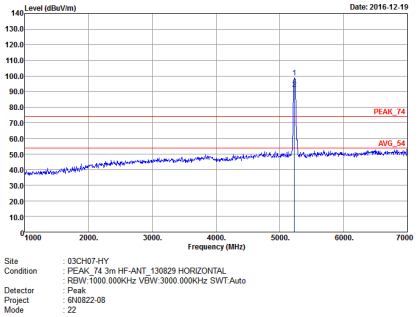
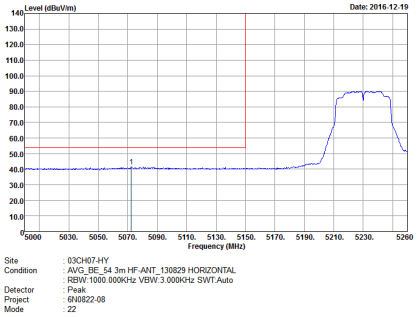
WIFI 802.11n HT40 (Band Edge @ 3m)

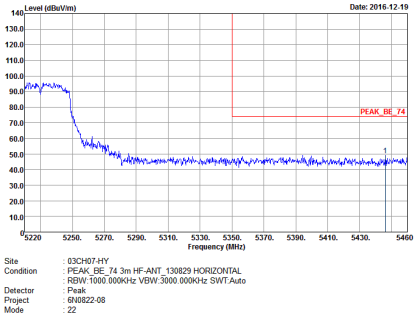
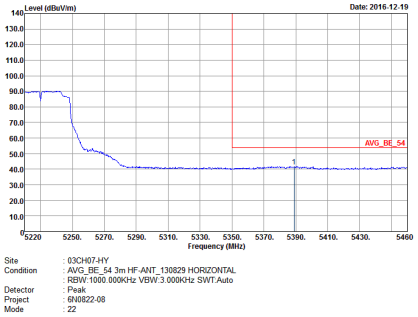
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

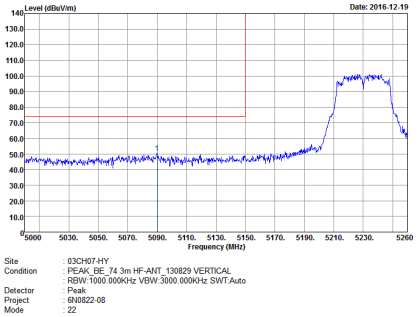
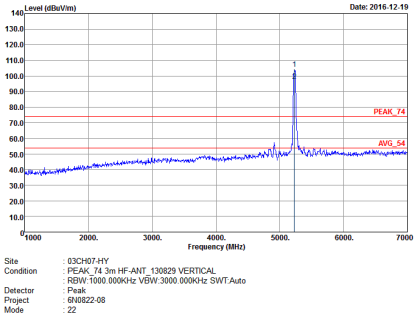
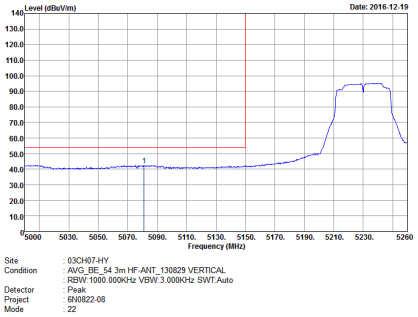
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

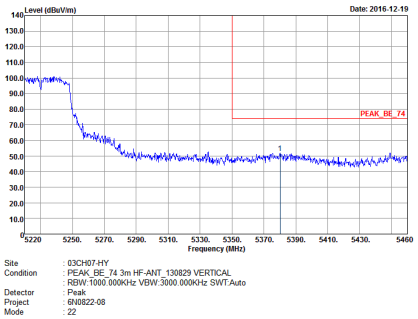
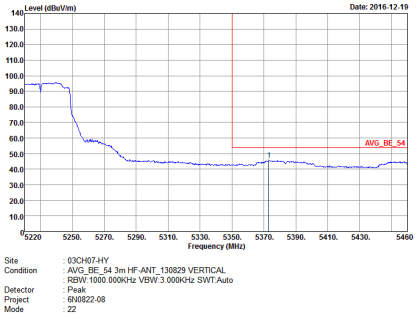
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

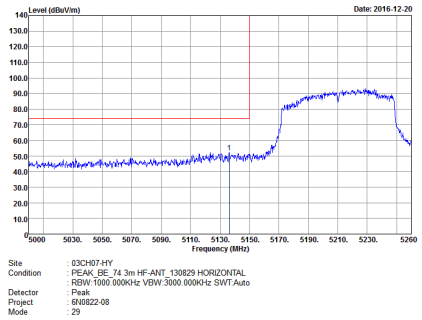
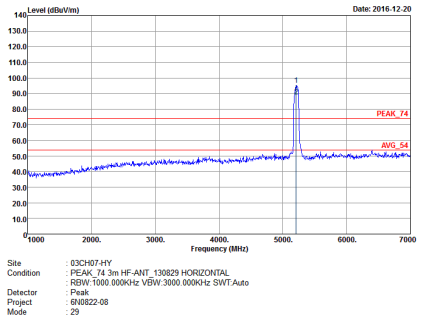
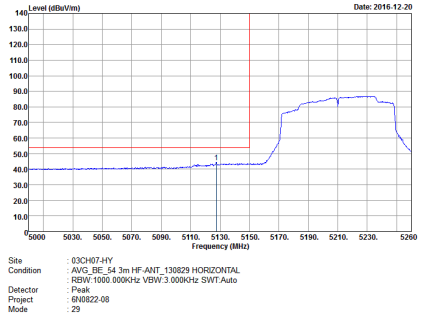
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

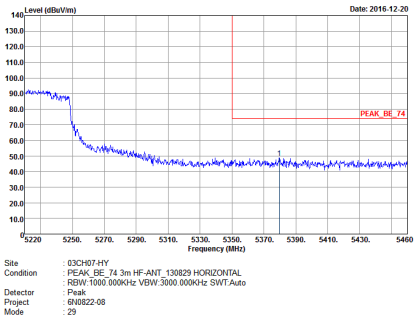
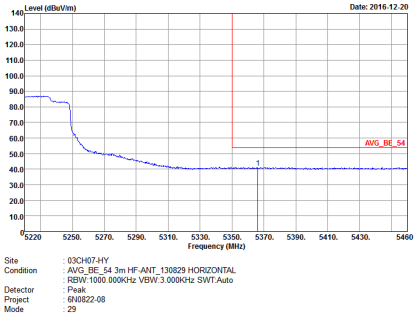
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

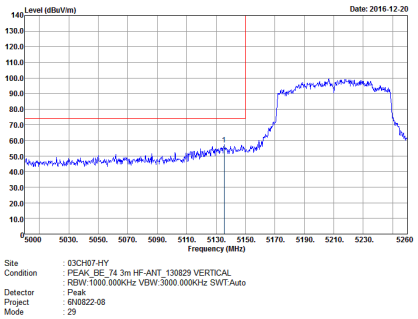
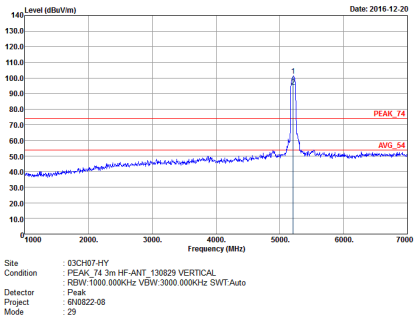
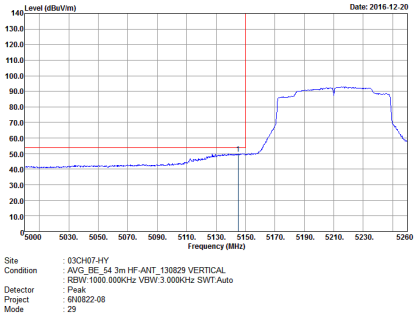
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

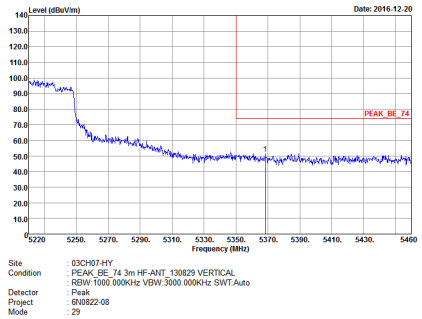
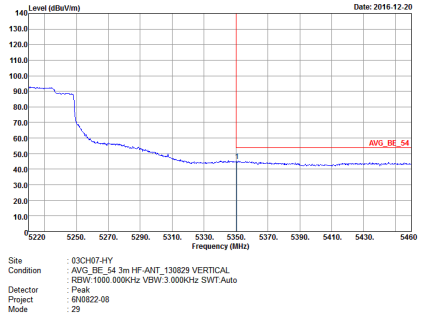
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

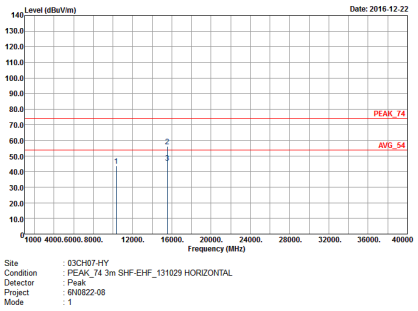
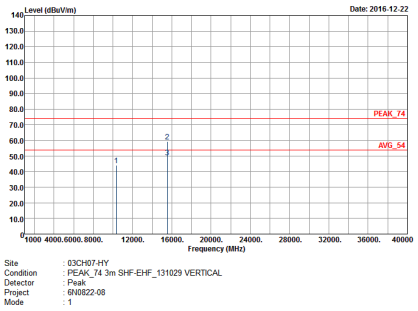
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

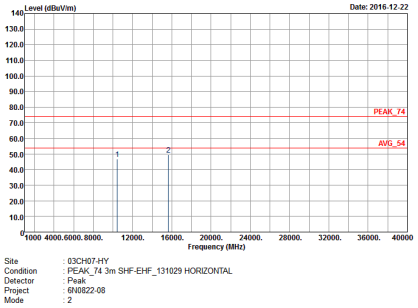
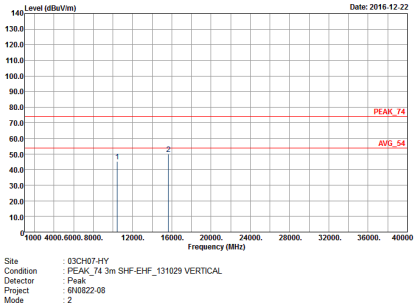
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

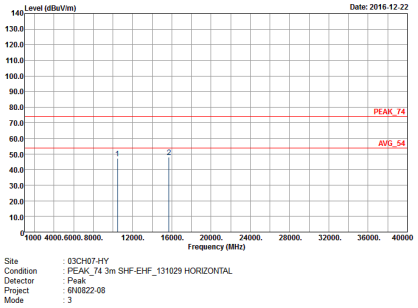
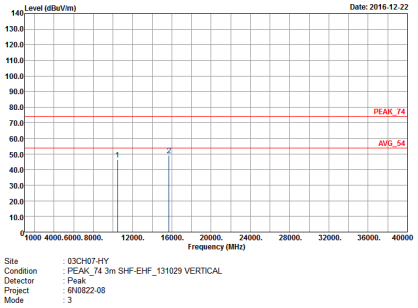
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

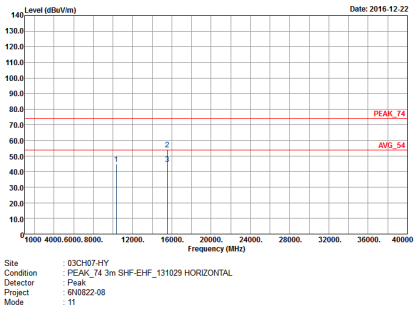
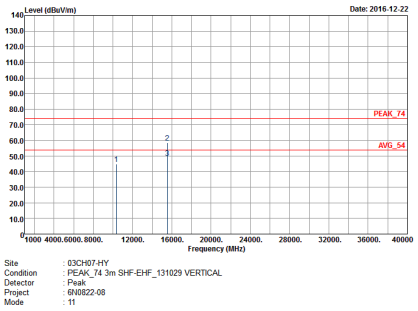
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

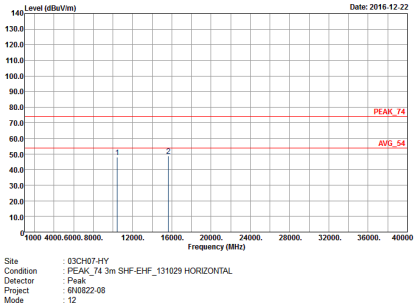
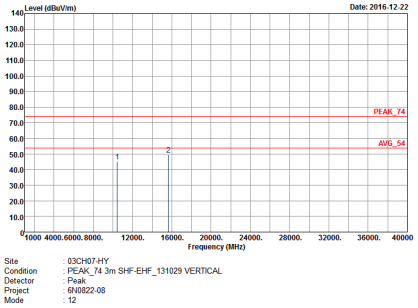
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

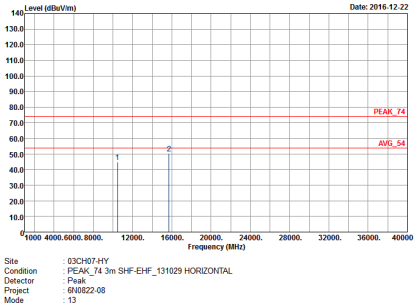
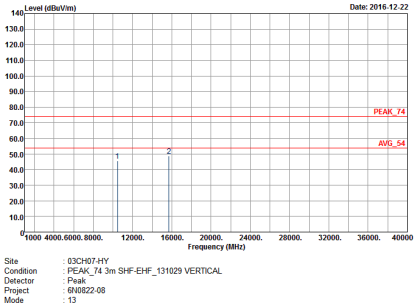
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

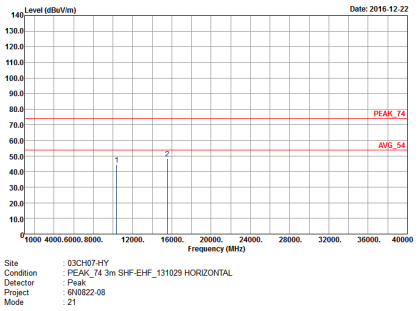
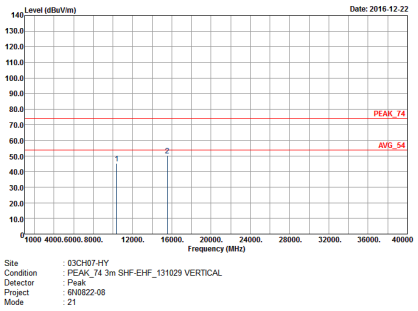
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

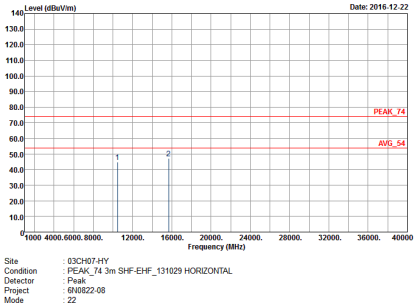
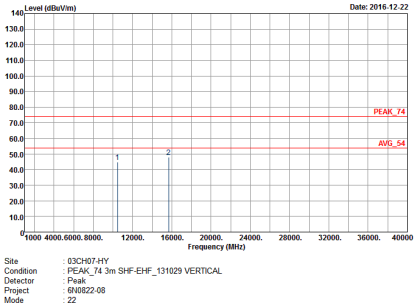
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

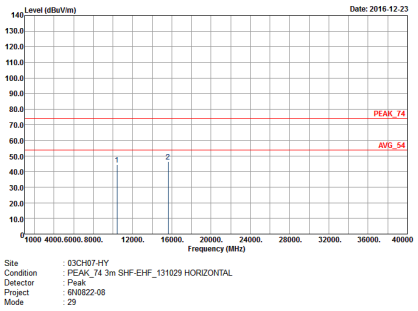
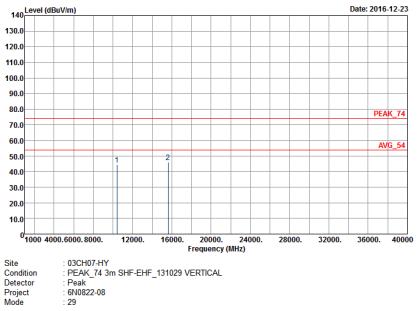
WIFI 802.11n HT40 (Harmonic @ 3m)

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.		

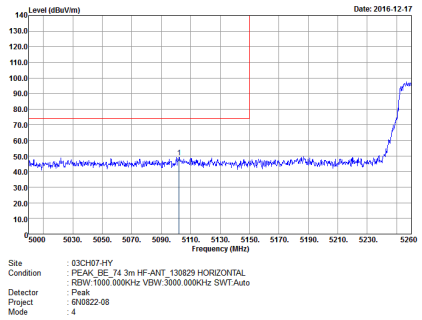
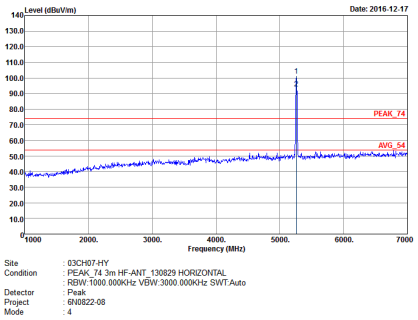
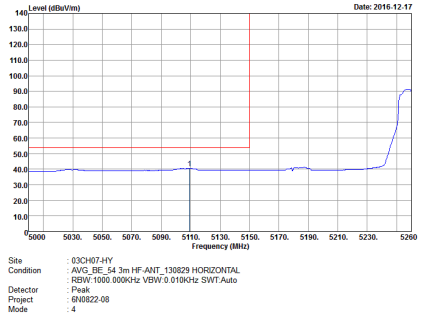
Band 1 5150~5250MHz

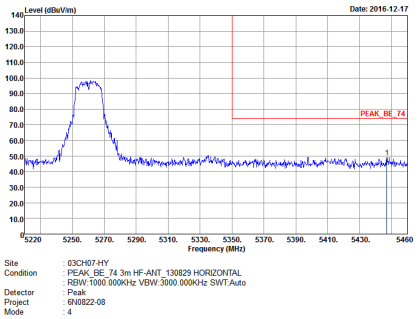
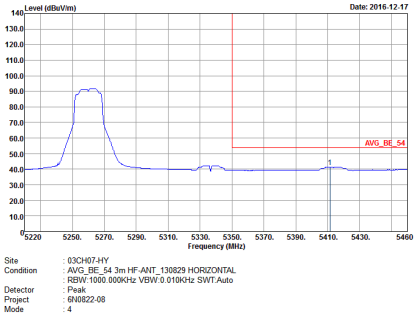
WIFI 802.11ac VHT80 (Harmonic @ 3m)

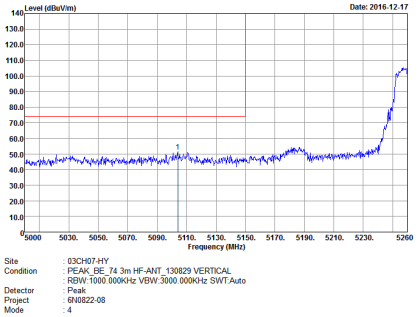
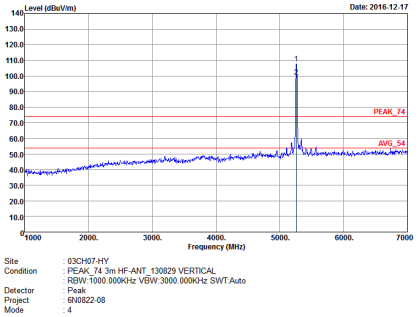
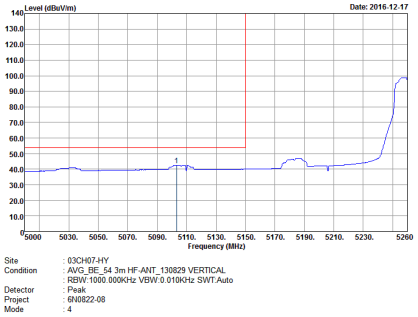
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

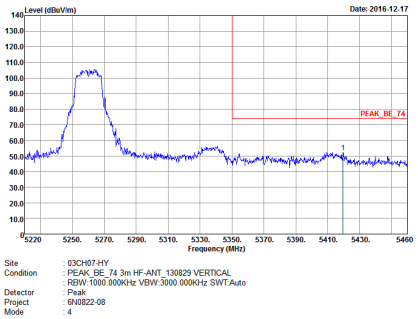
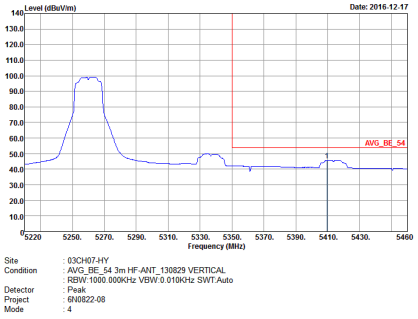
Band 2 - 5250~5350MHz

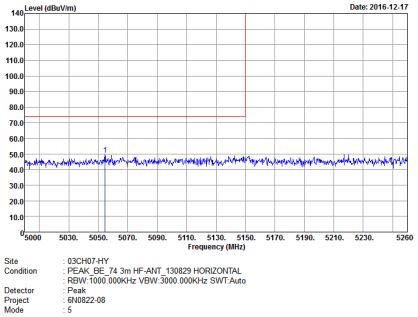
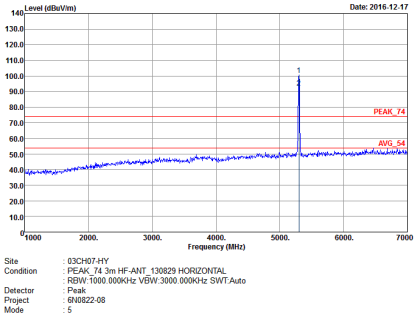
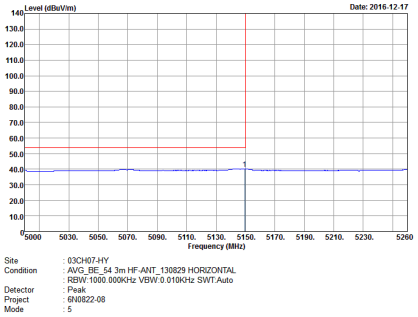
WIFI 802.11a (Band Edge @ 3m)

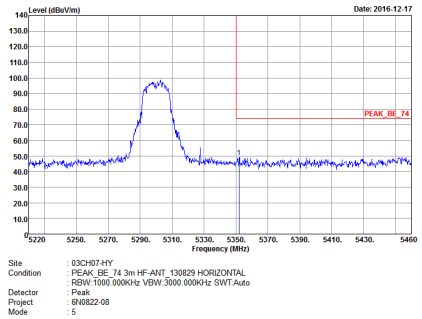
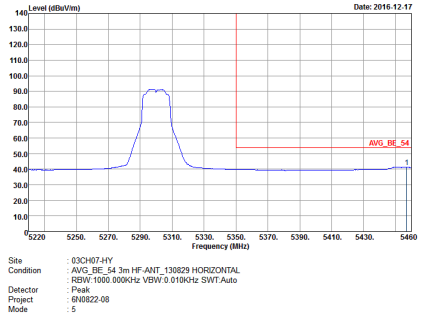
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

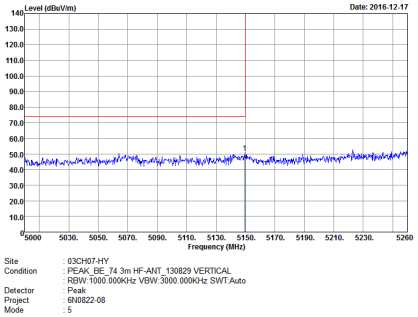
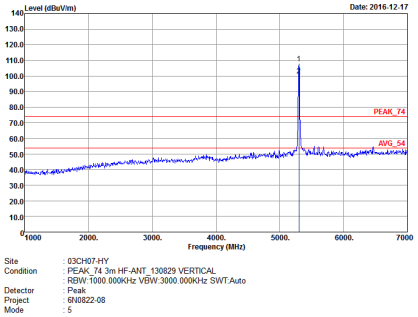
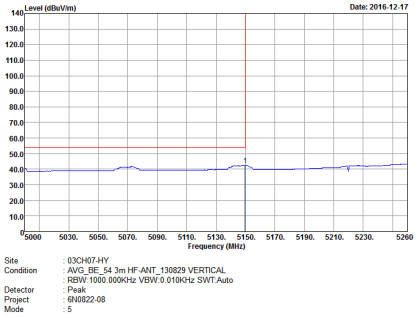
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

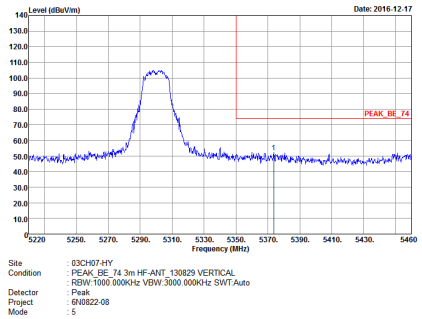
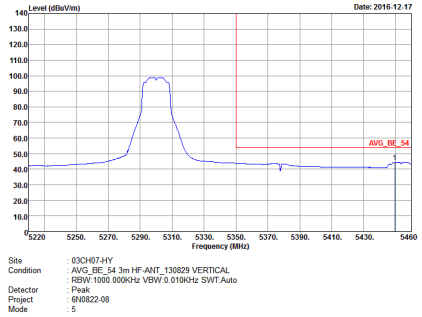
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

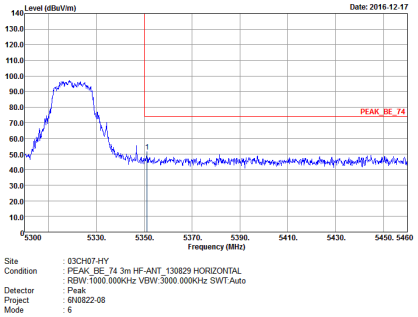
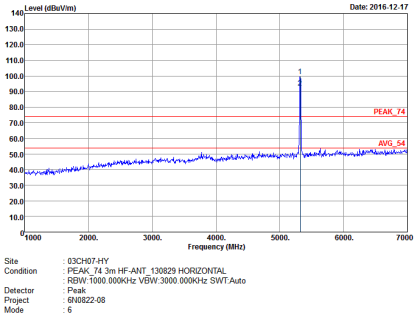
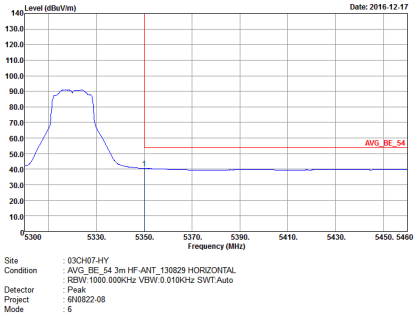
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

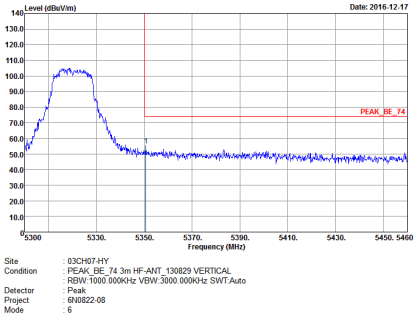
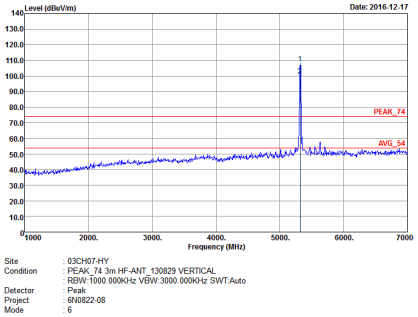
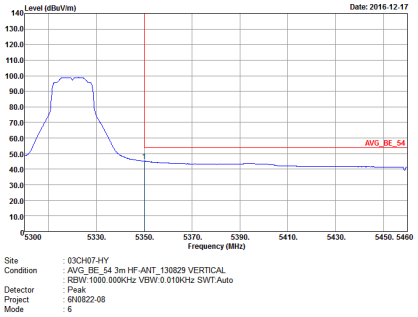
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

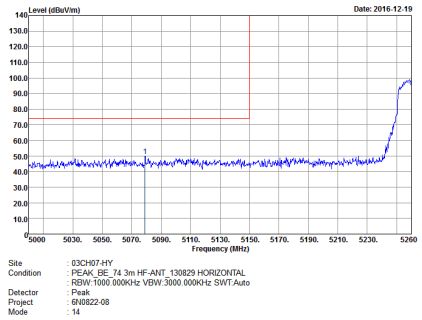
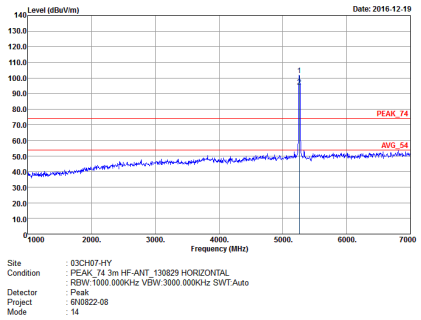
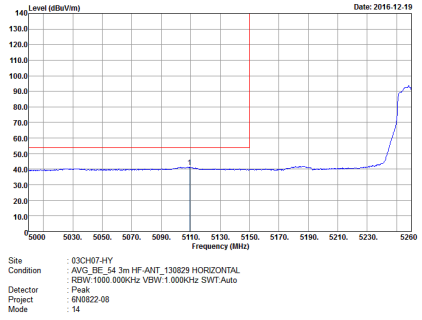
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

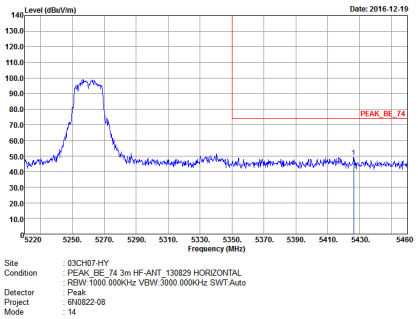
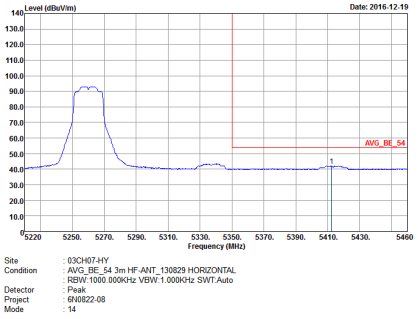
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

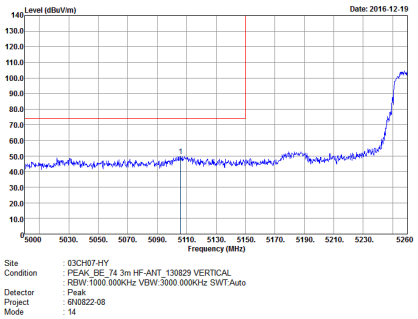
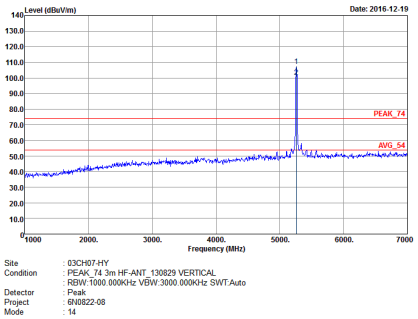
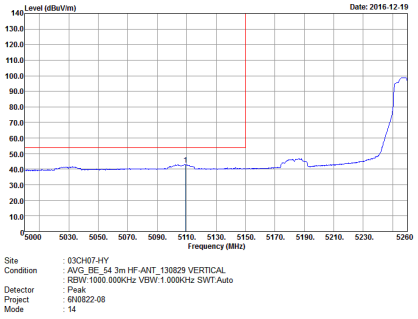
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

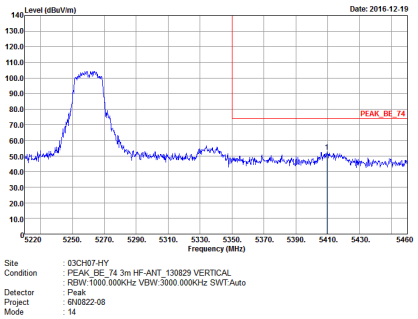
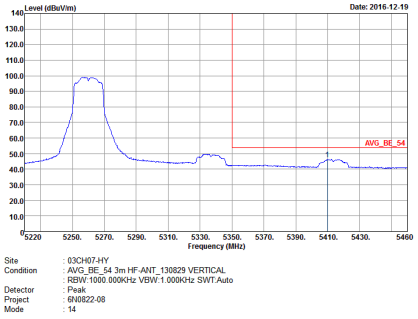
Band 2 5250~5350MHz

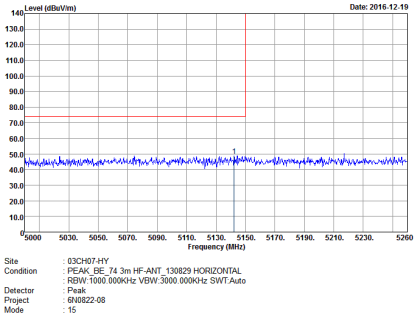
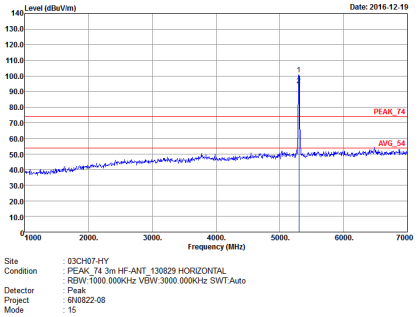
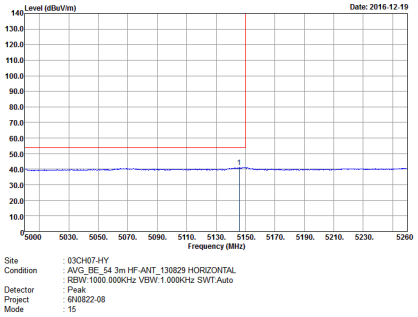
WIFI 802.11n HT20 (Band Edge @ 3m)

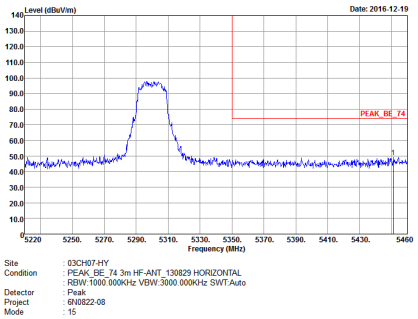
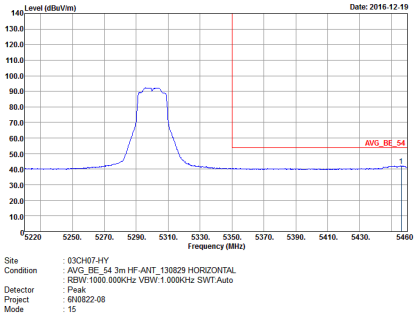
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

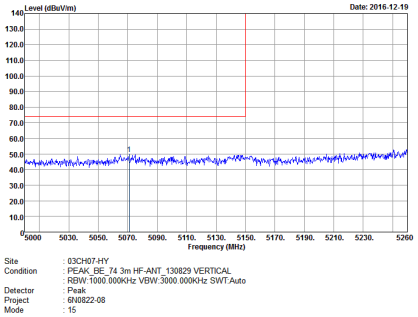
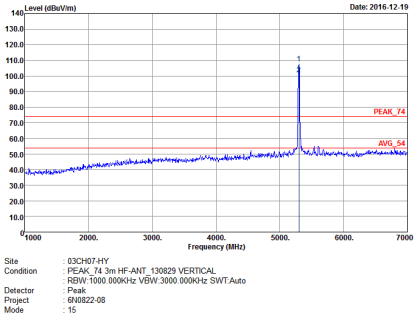
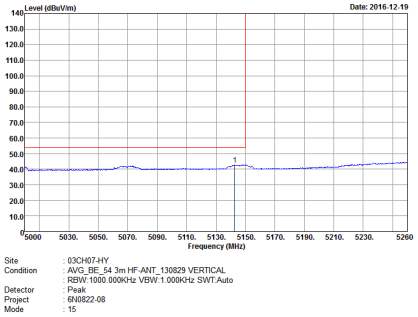
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

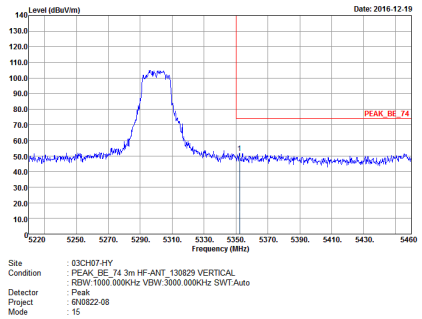
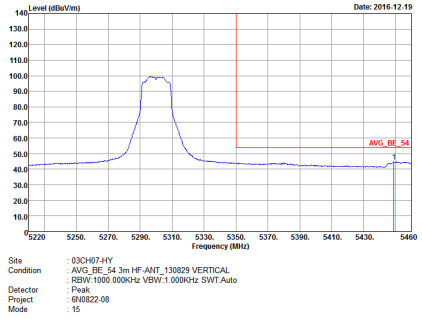
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

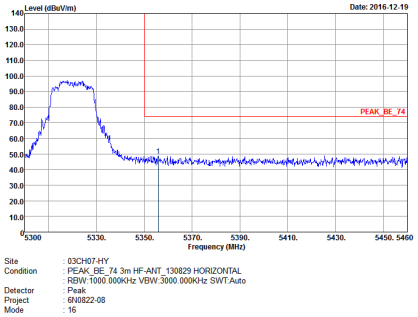
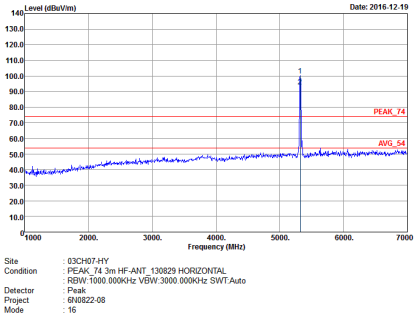
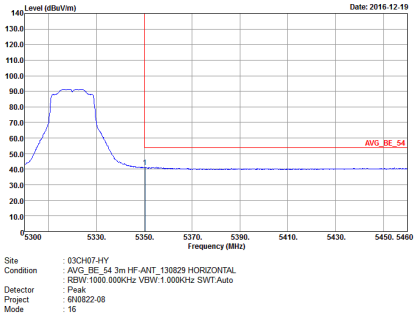
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

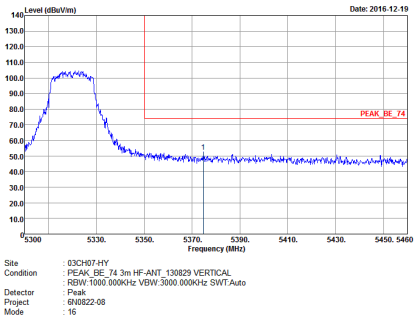
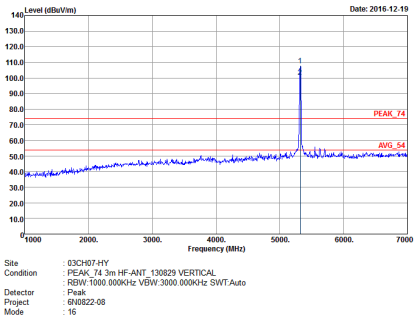
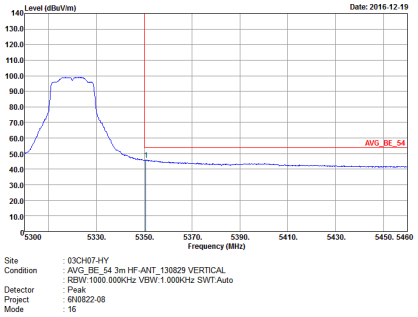
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

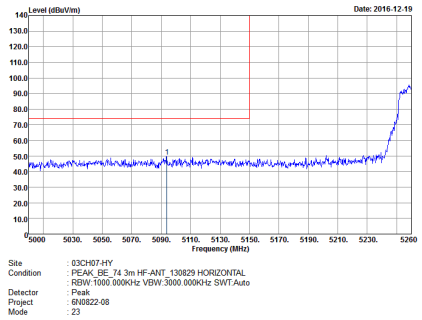
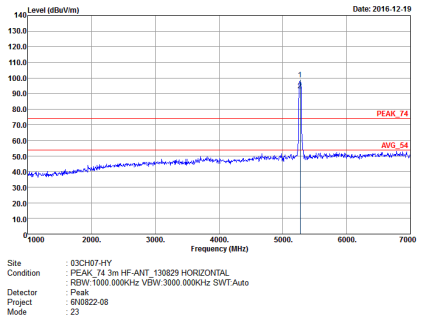
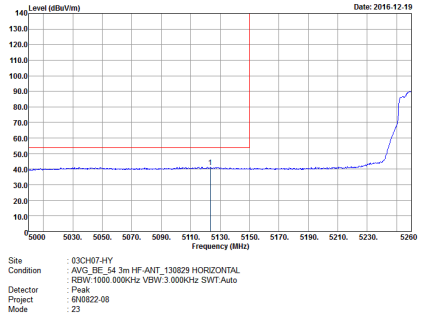
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

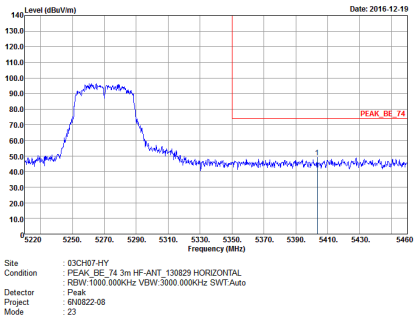
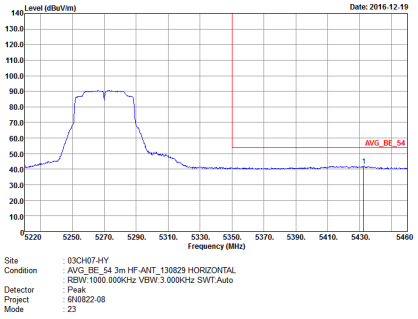
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

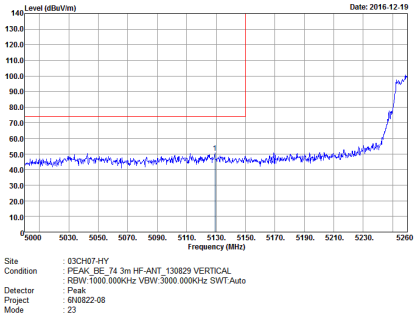
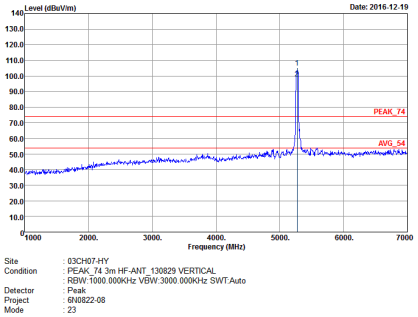
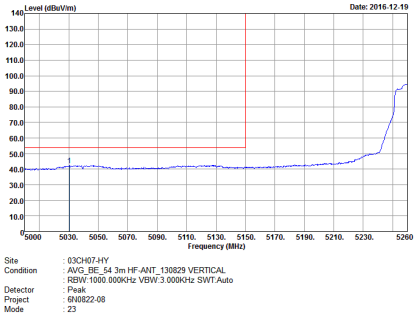
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

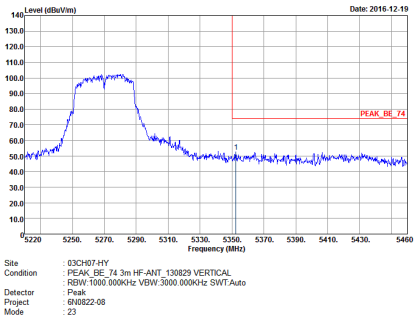
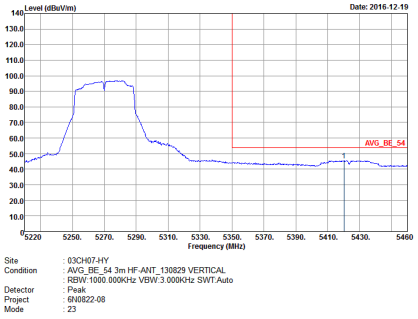
Band 2 5250~5350MHz

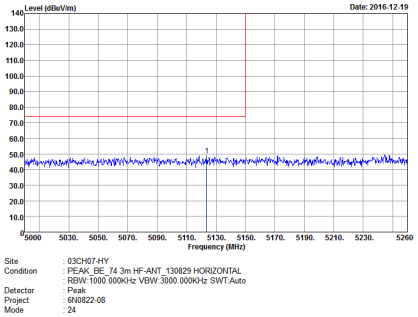
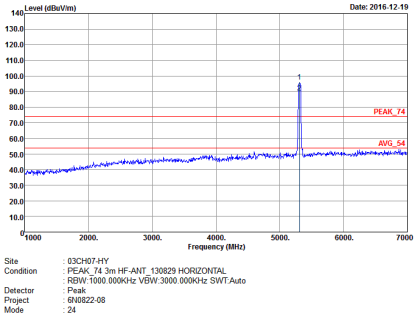
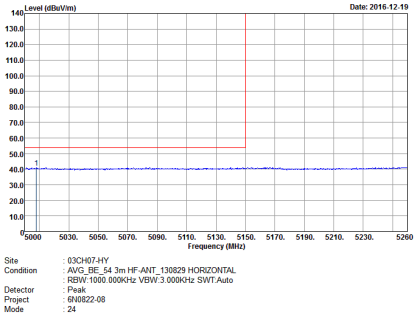
WIFI 802.11n HT40 (Band Edge @ 3m)

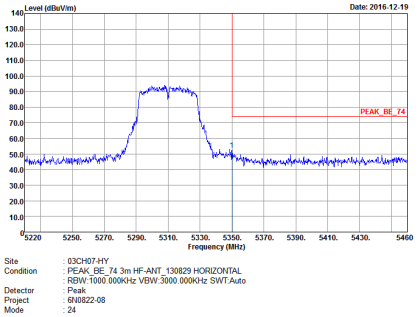
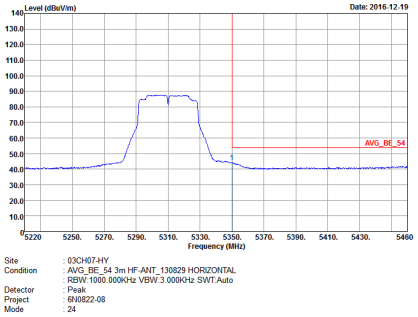
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

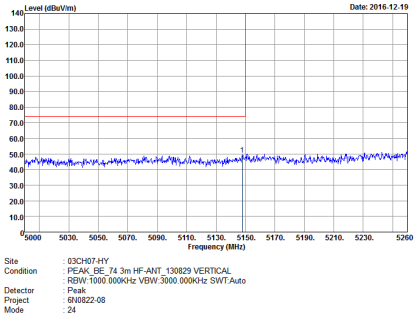
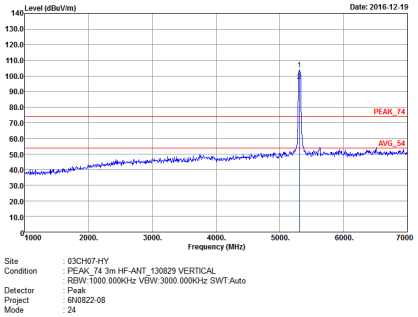
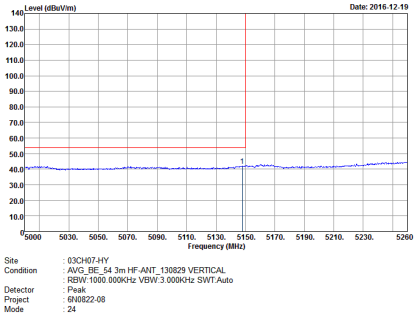
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

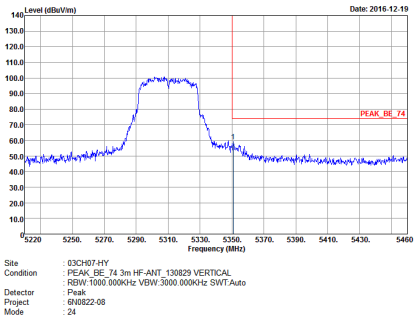
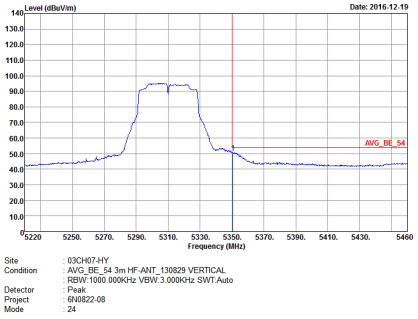
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

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

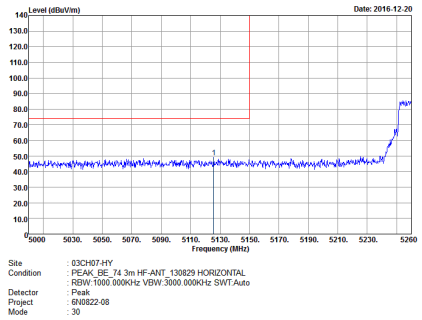
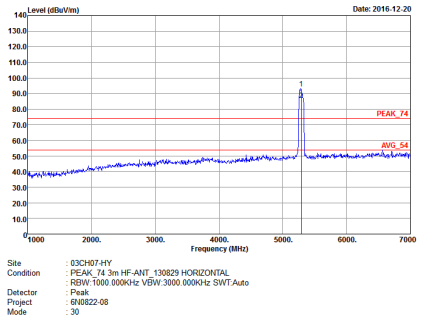
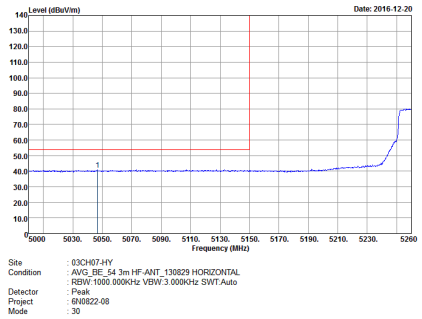
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

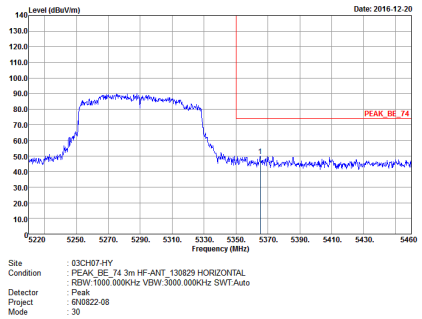
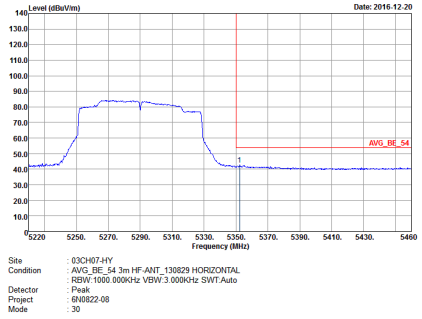
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

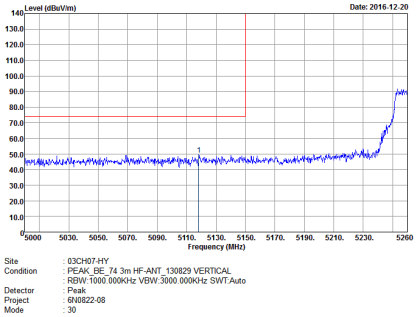
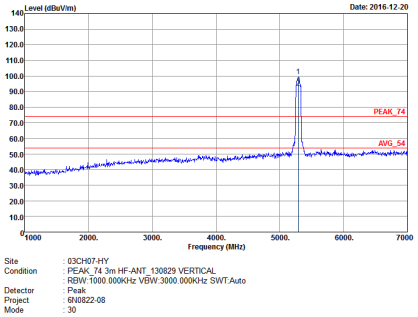
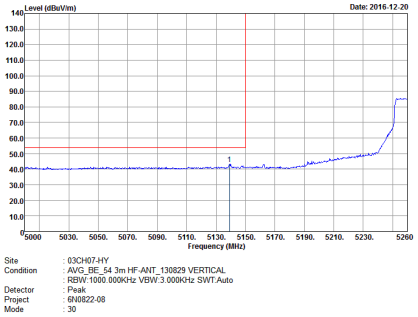
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

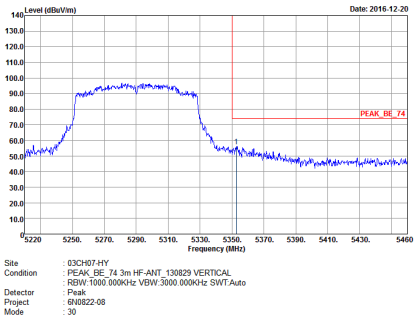
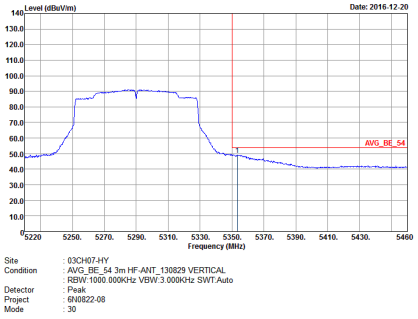
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

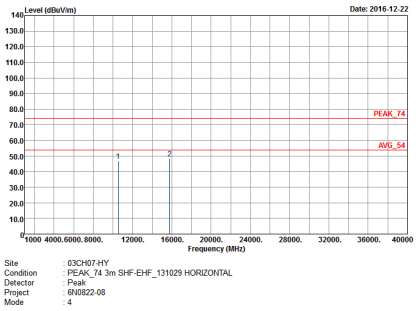
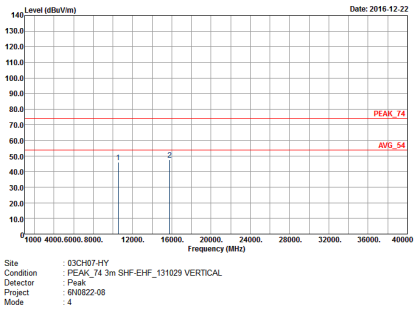
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

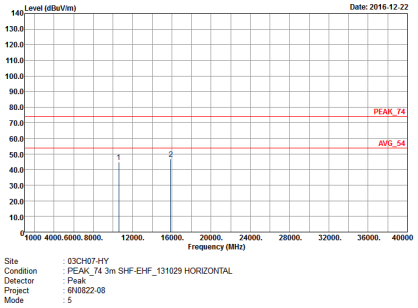
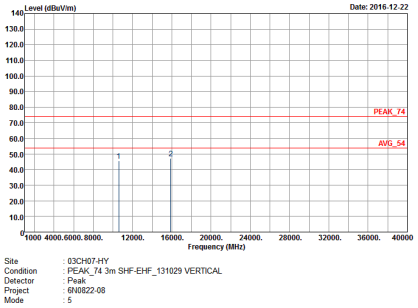
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

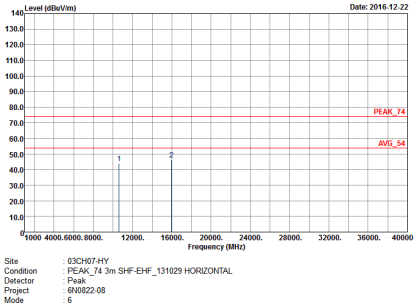
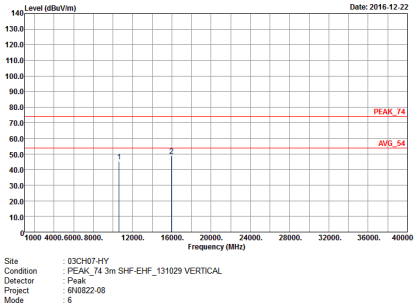
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

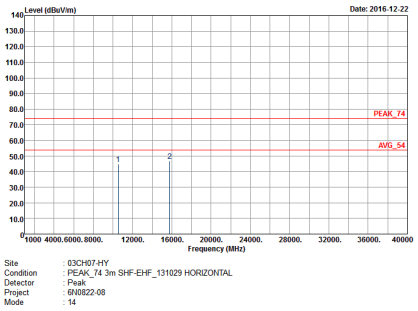
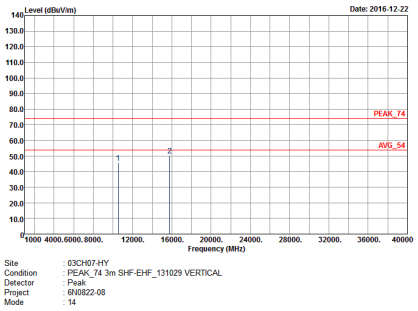
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

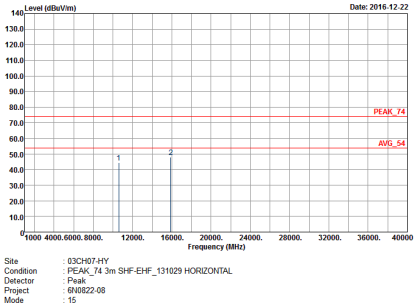
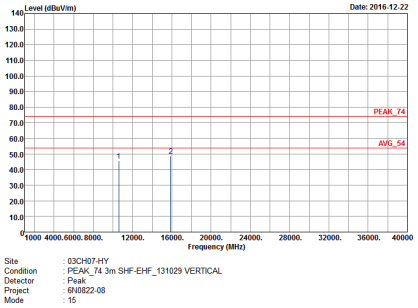
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

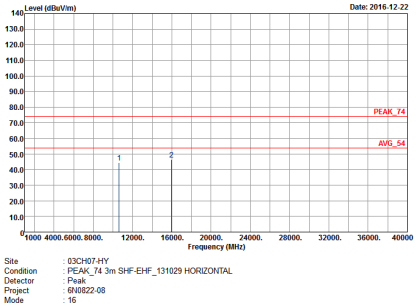
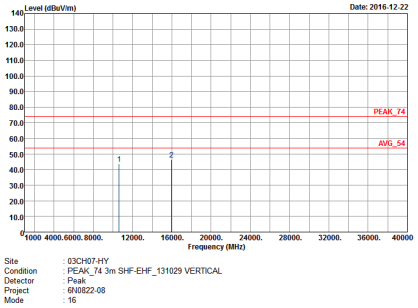
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

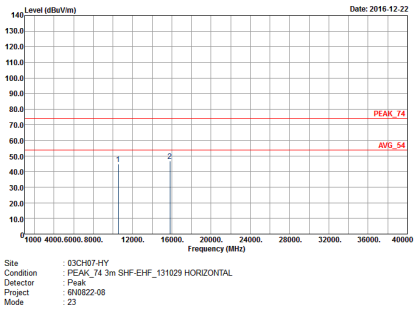
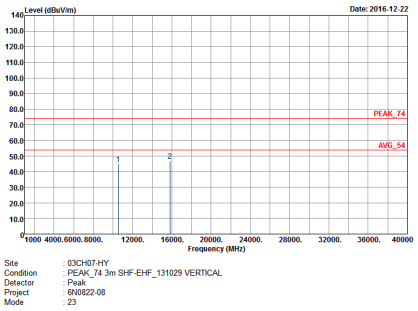
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

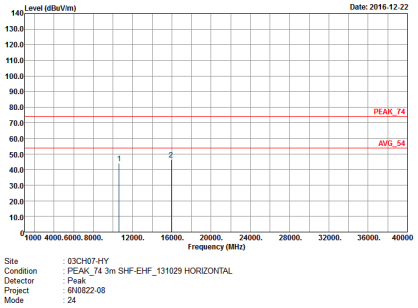
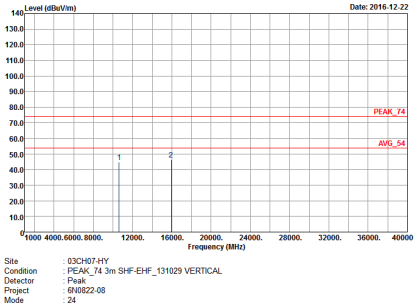
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

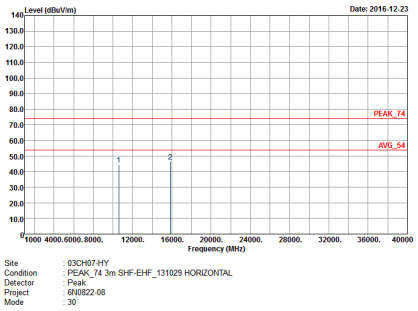
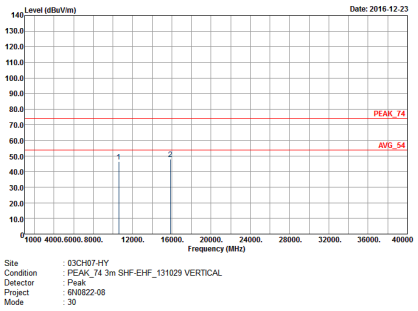
WIFI 802.11n HT40 (Harmonic @ 3m)

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.		

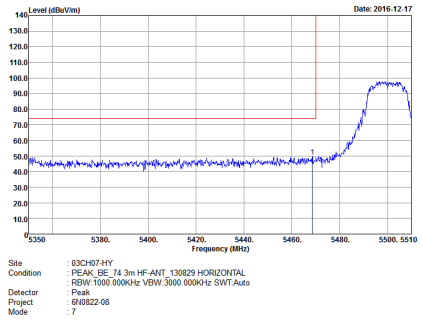
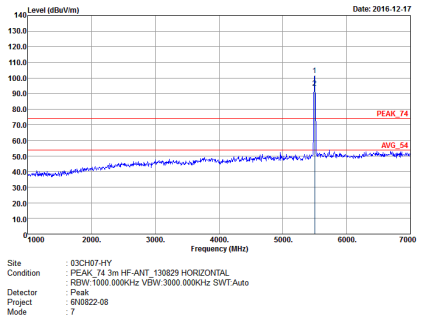
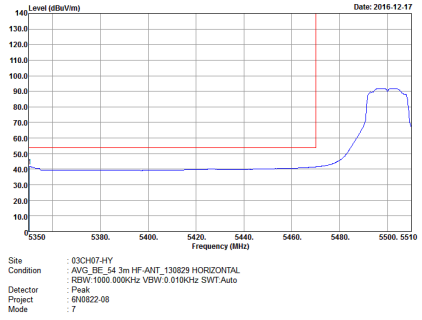
Band 2 5250~5350MHz

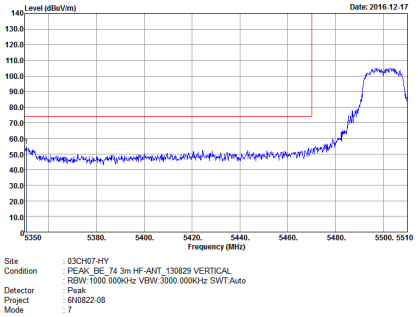
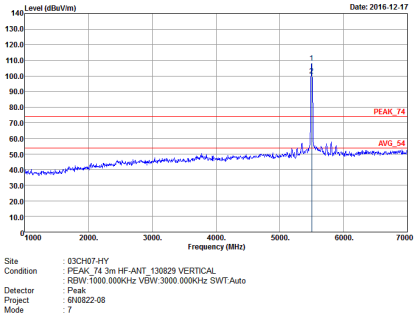
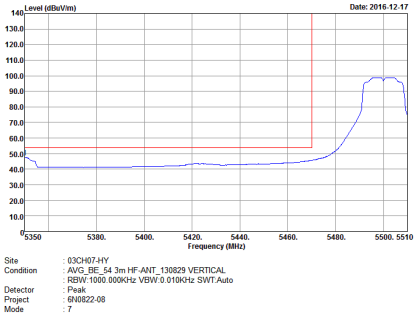
WIFI 802.11ac VHT80 (Harmonic @ 3m)

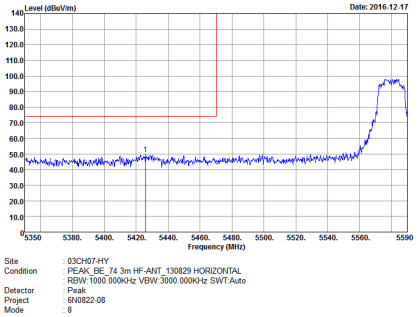
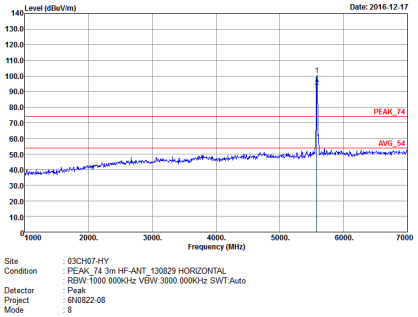
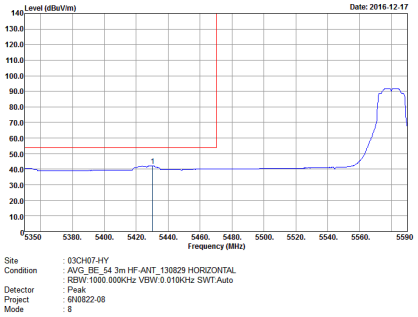
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

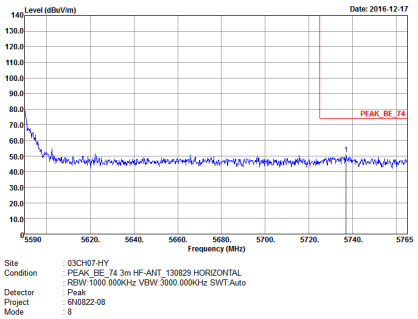
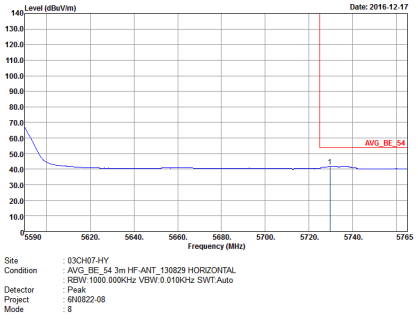
Band 3 - 5470~5725MHz

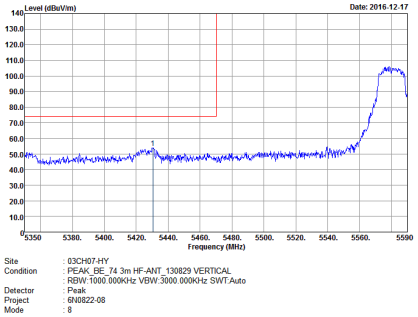
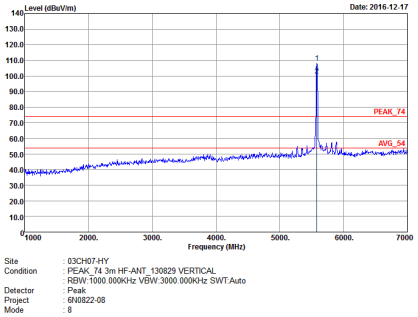
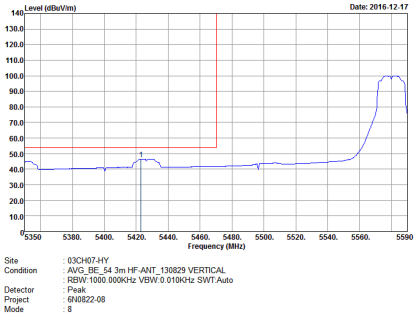
WIFI 802.11a (Band Edge @ 3m)

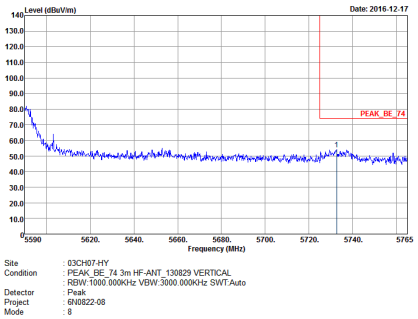
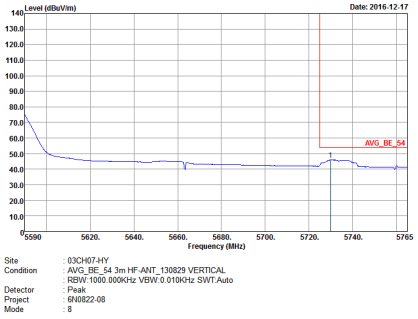
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

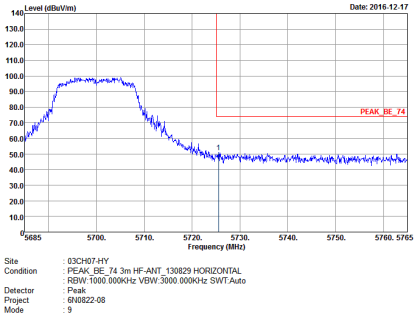
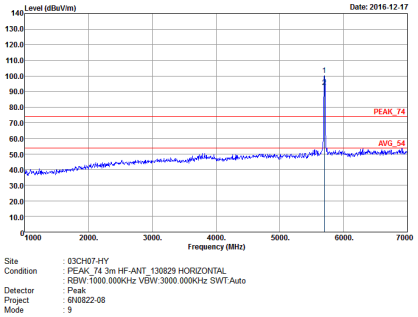
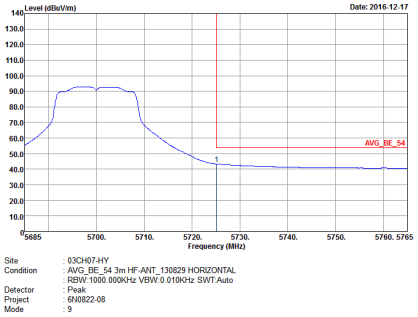
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

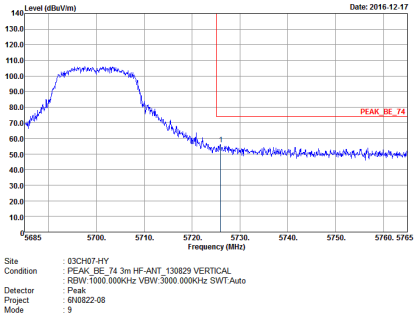
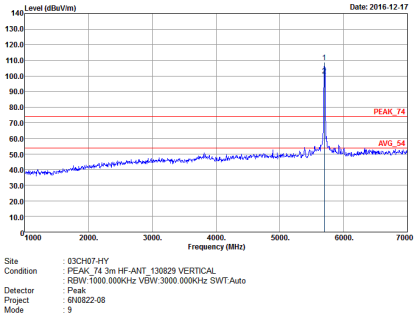
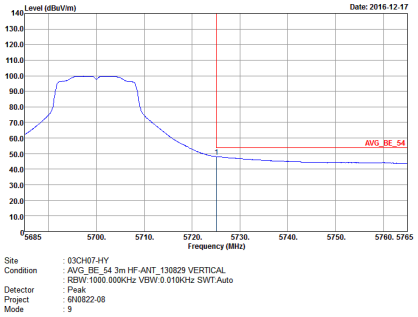
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

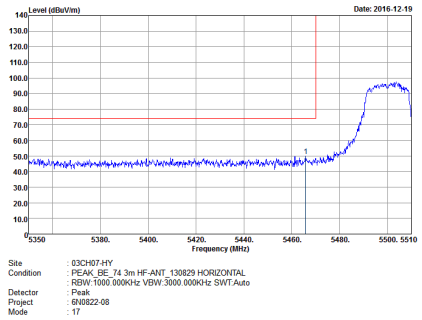
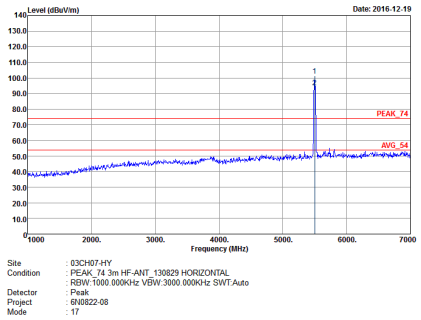
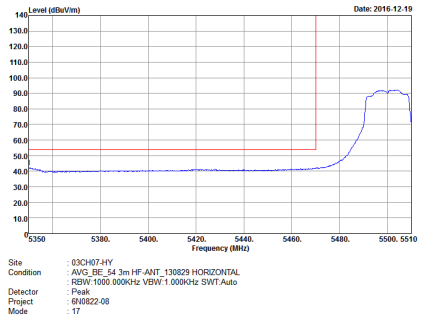
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

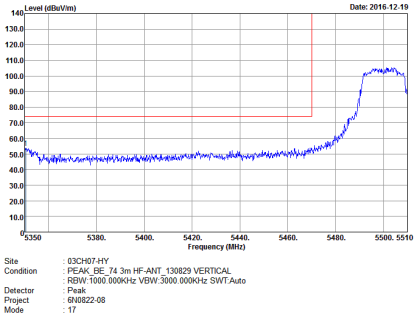
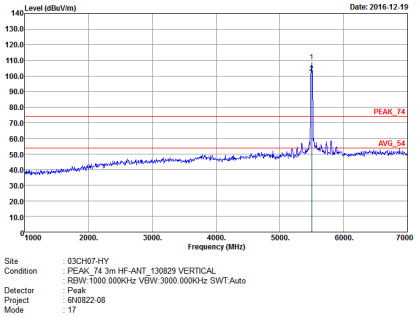
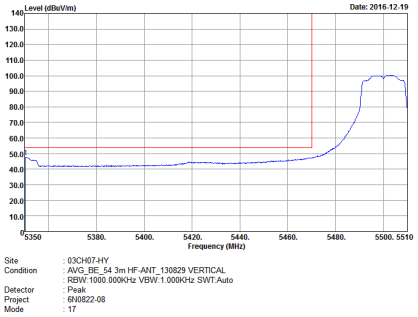
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

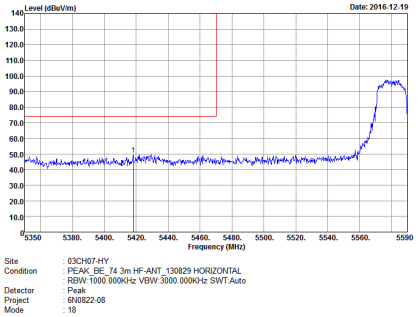
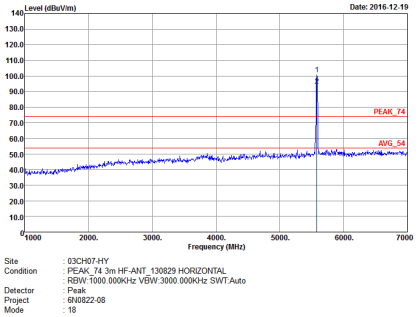
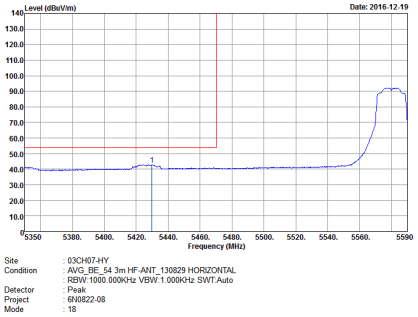
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

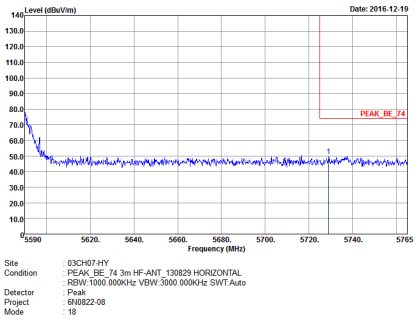
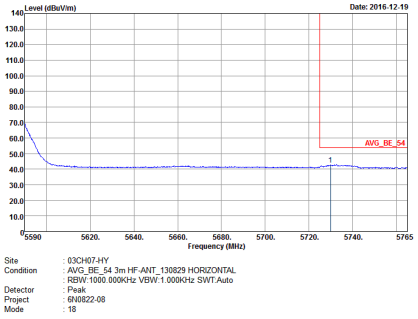
Band 3 5470~5725MHz

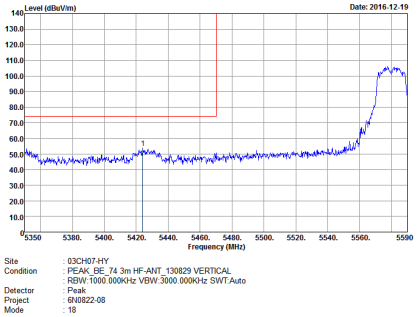
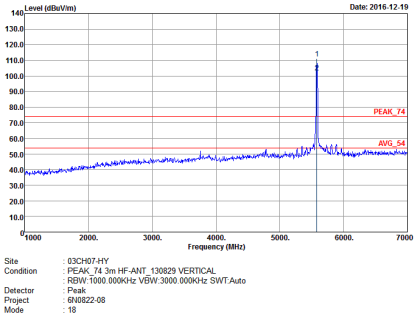
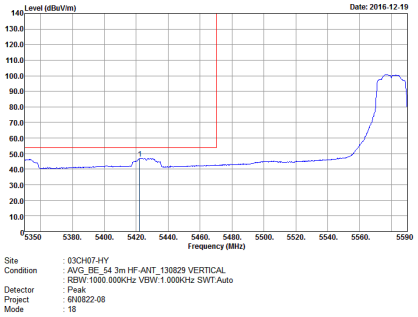
WIFI 802.11n HT20 (Band Edge @ 3m)

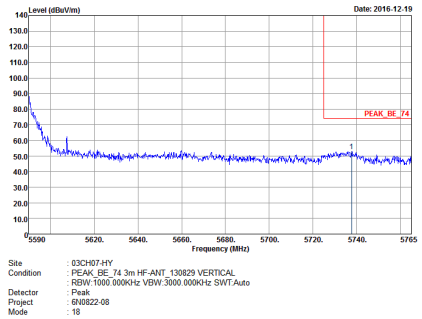
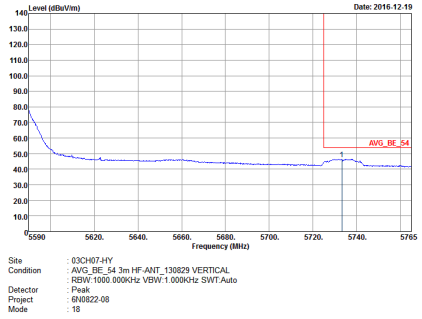
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

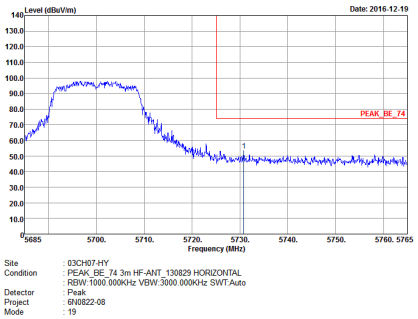
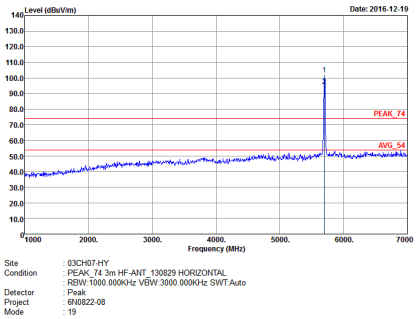
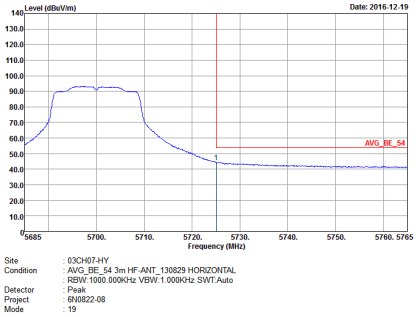
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

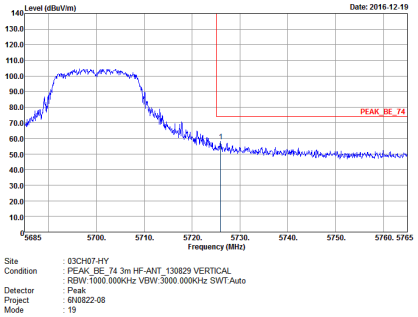
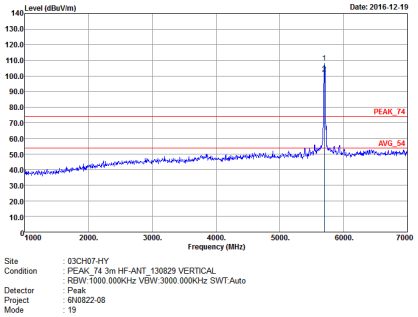
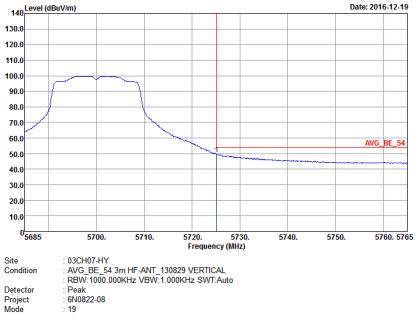
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

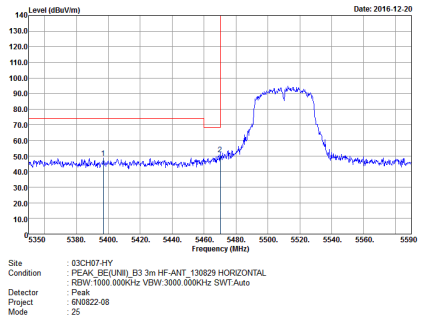
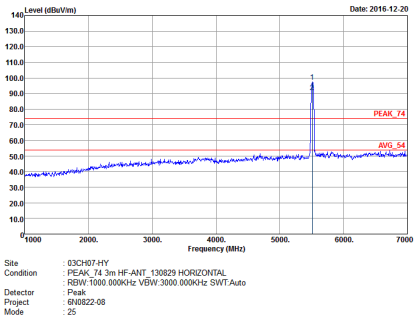
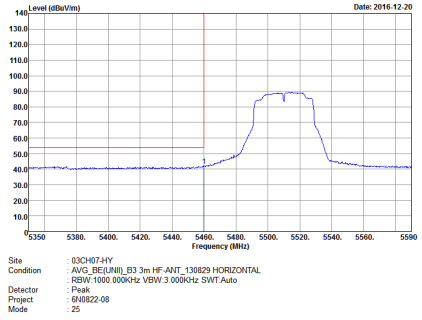
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

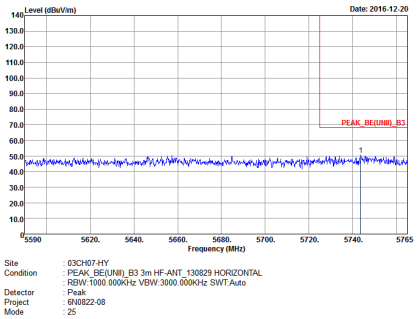
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

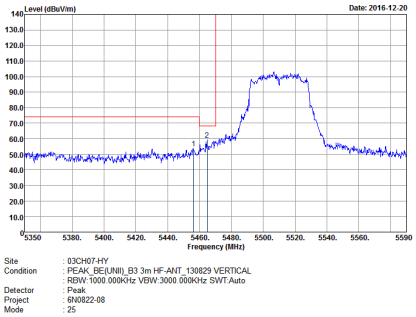
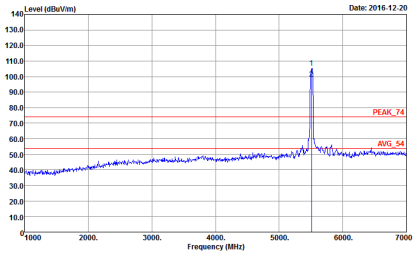
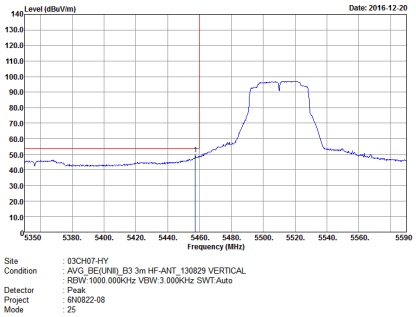
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		
Avg.		Left blank

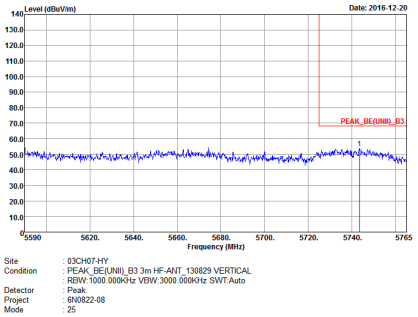
Band 3 5470~5725MHz

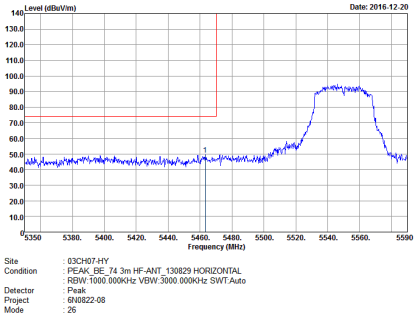
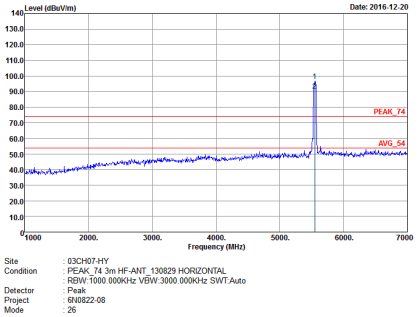
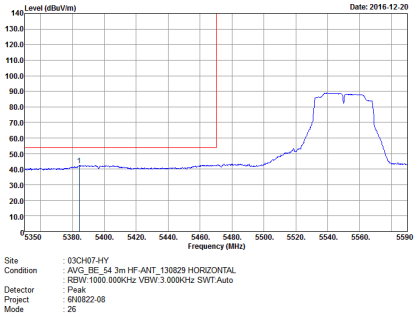
WIFI 802.11n HT40 (Band Edge @ 3m)

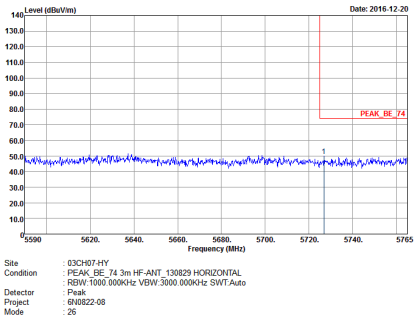
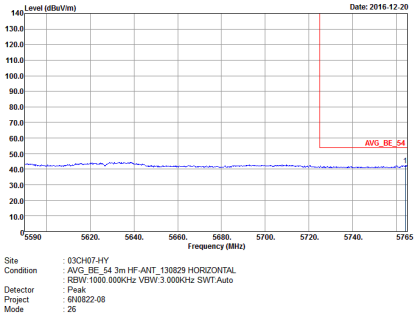
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

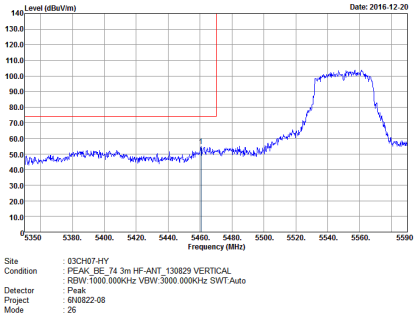
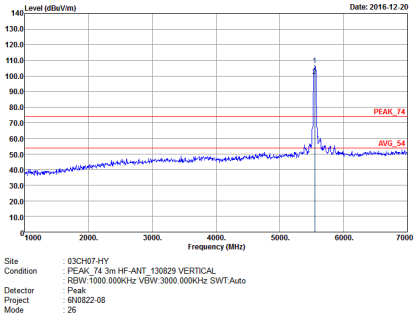
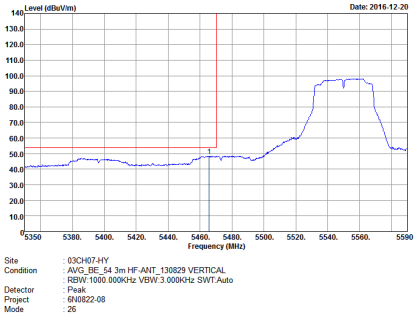
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

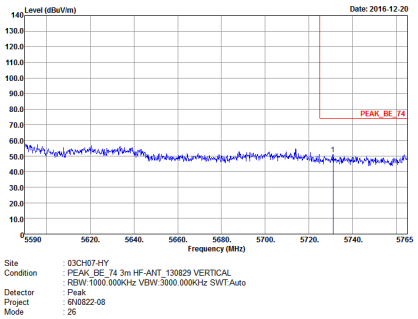
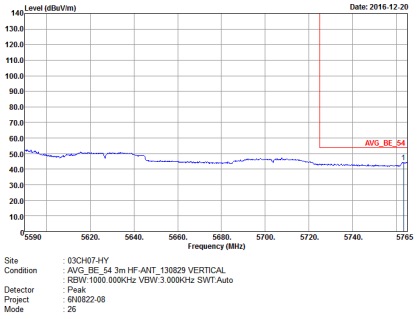
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

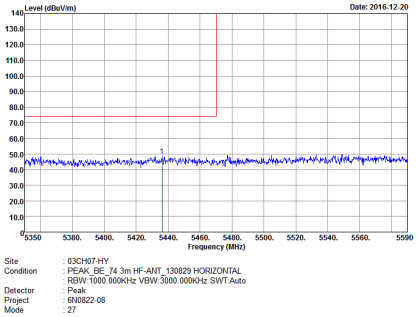
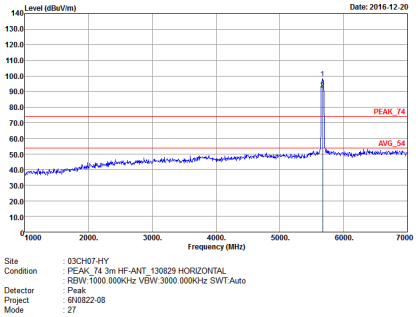
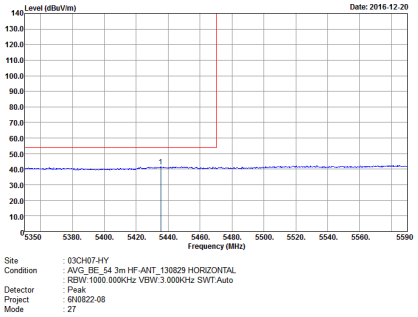
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

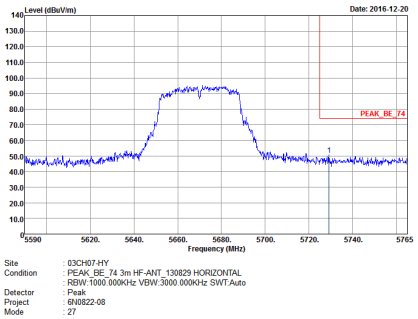
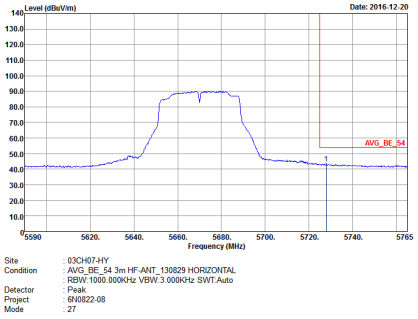
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

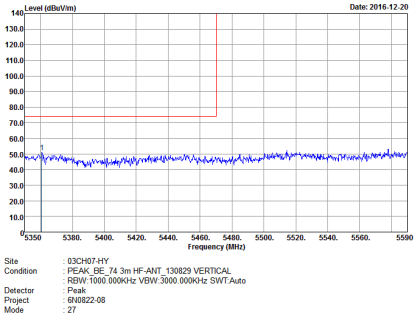
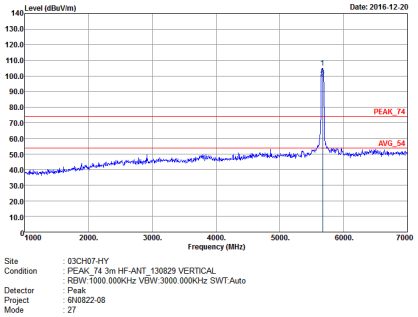
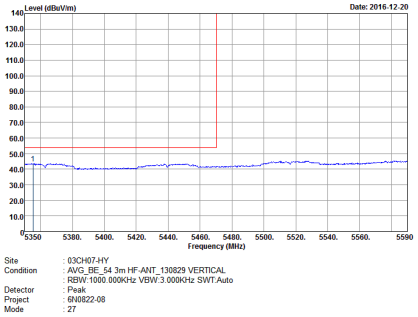
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

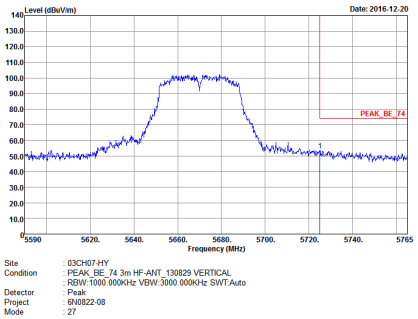
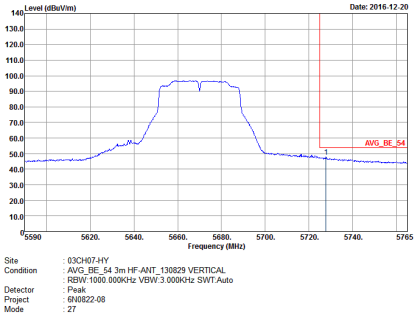
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

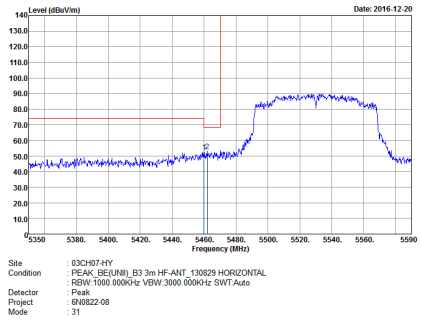
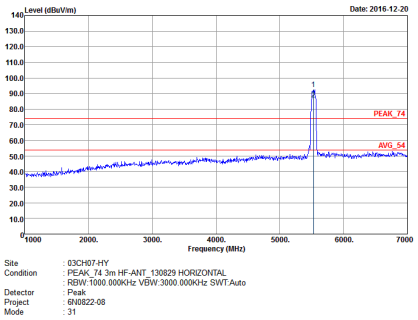
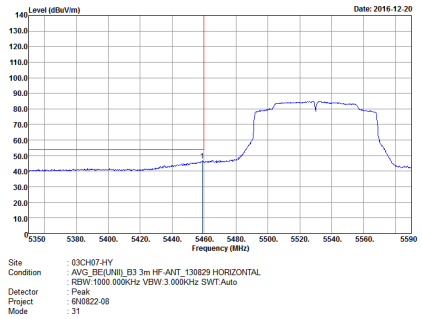
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

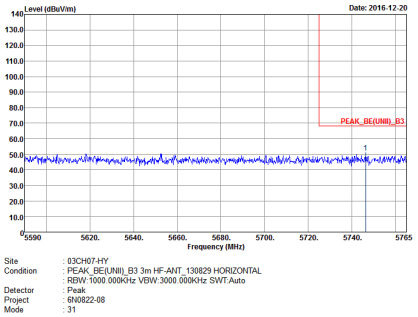
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

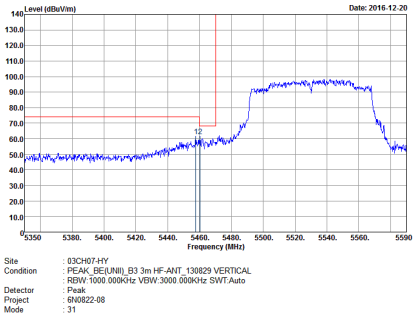
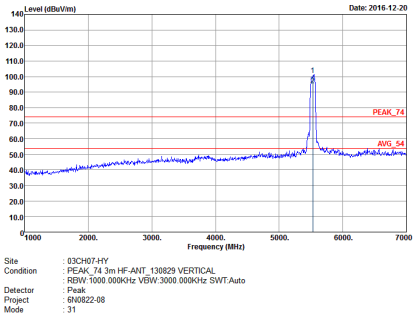
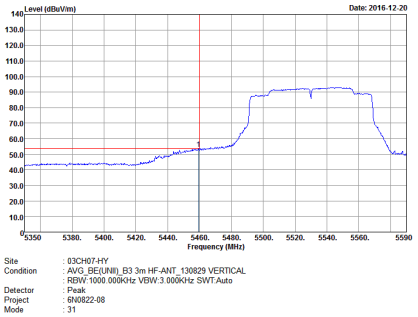
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

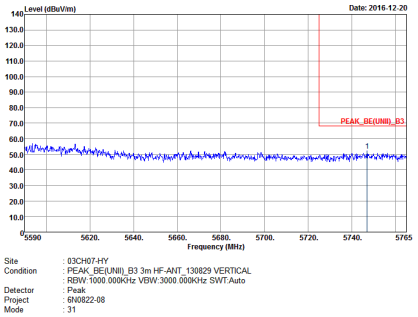
Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

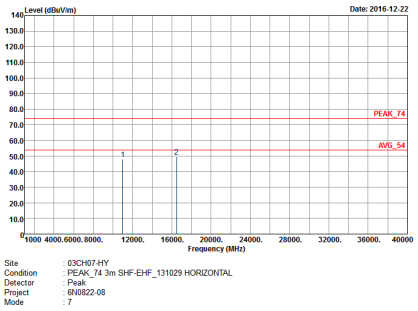
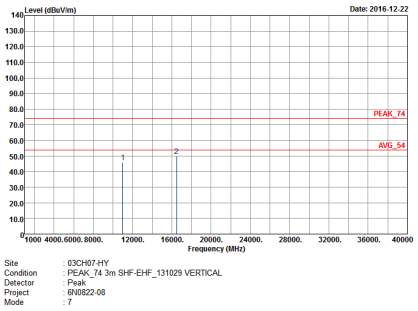
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

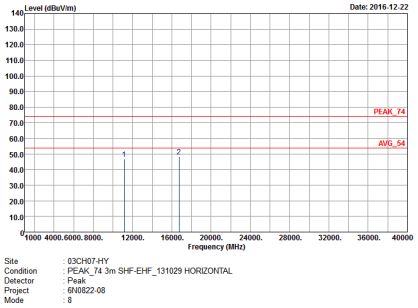
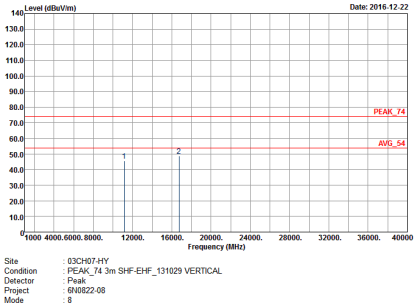
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

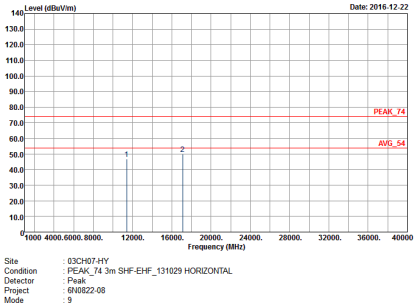
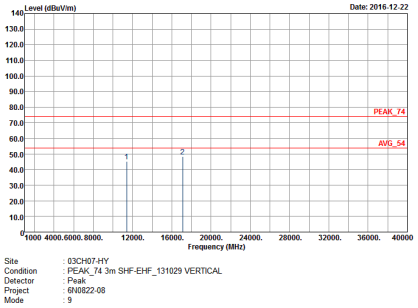
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

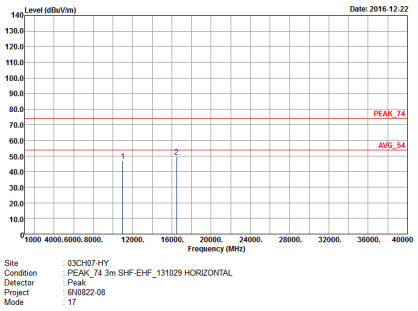
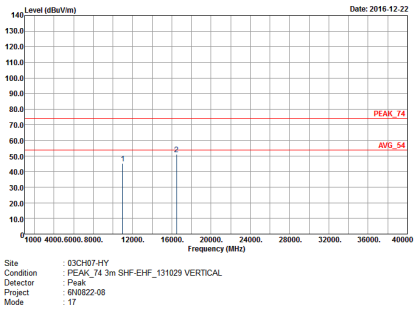
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

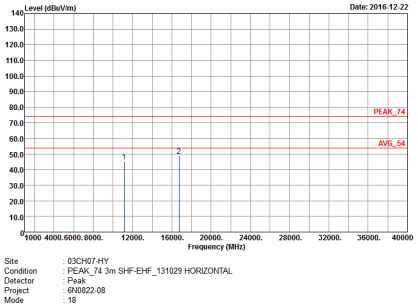
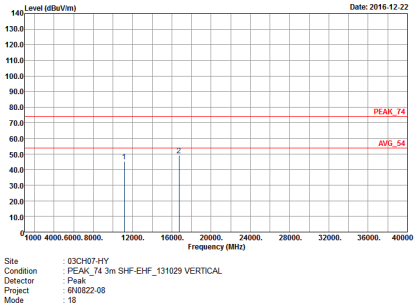
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

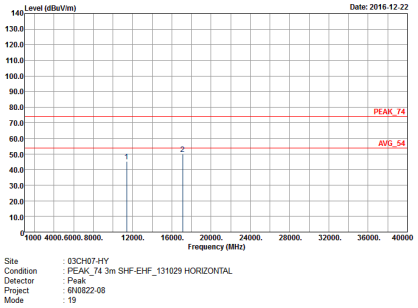
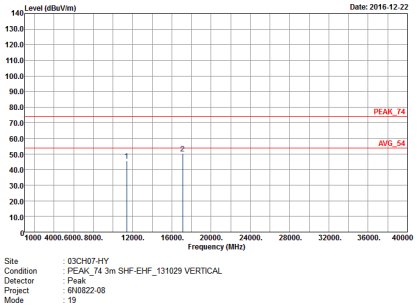
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

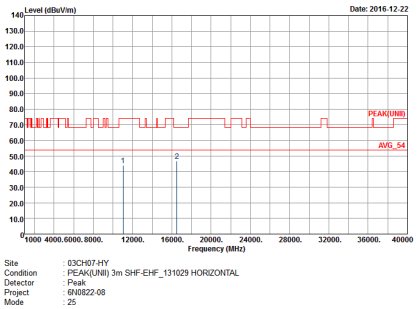
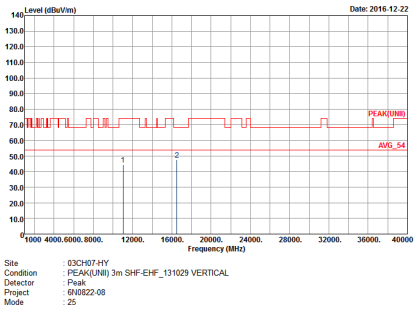
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

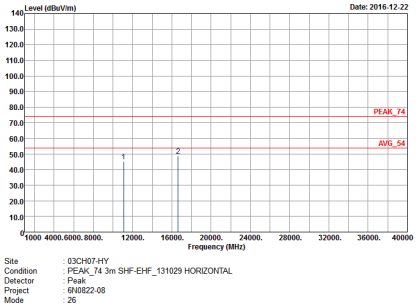
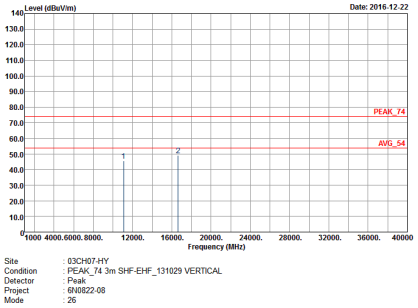
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

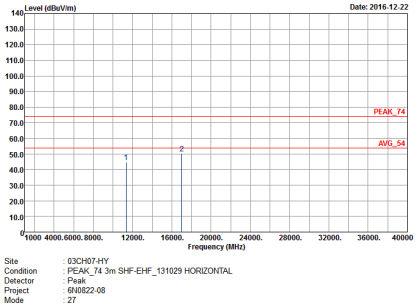
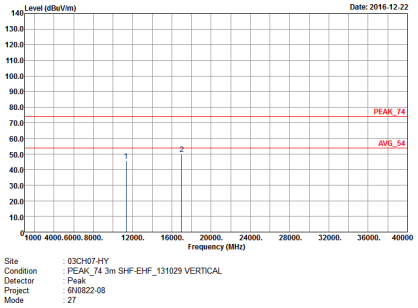
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

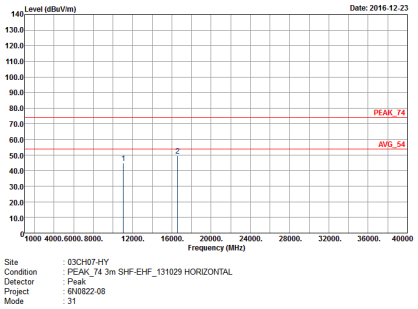
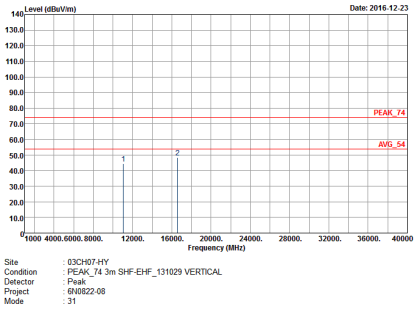
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

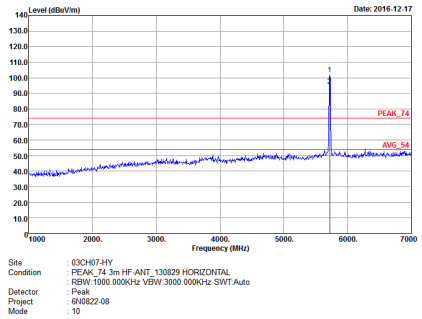
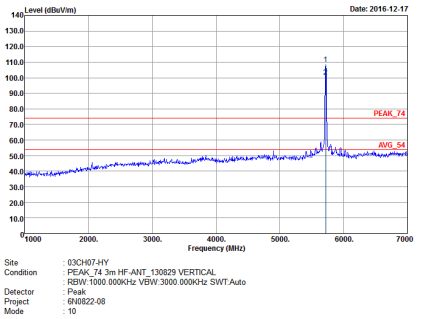
Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.		

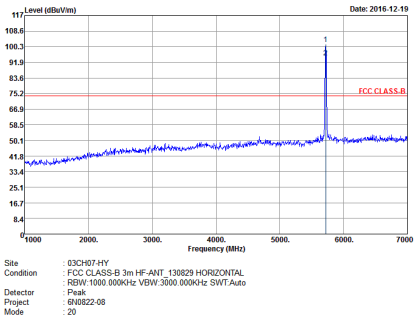
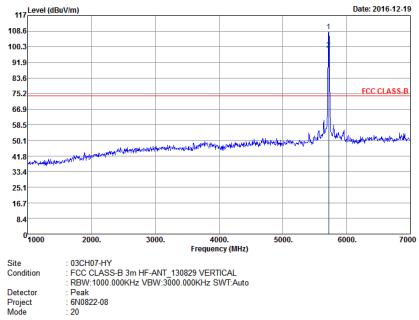
Band 3 - Straddle Channel

WIFI 802.11a (Fundamental @ 3m)

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

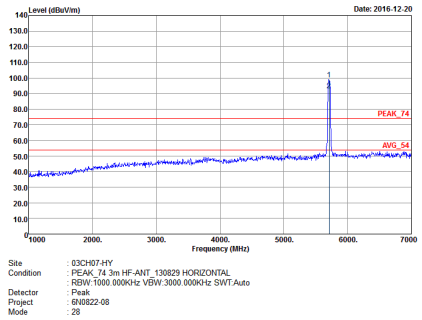
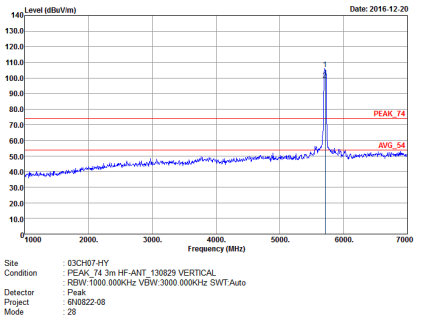
Band 3 – Straddle Channel

WIFI 802.11n HT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

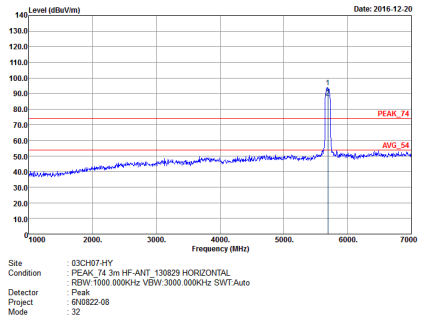
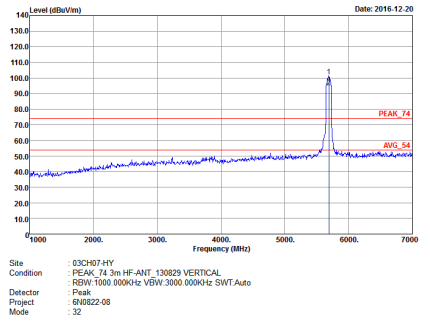
Band 3 – Straddle Channel

WIFI 802.11n HT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.		

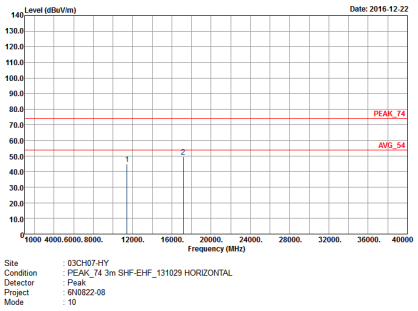
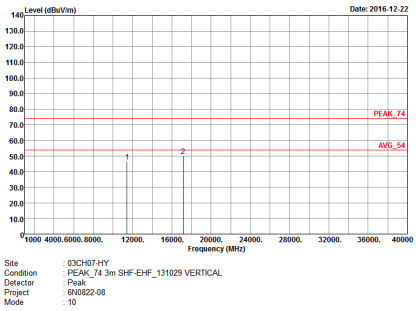
Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.		

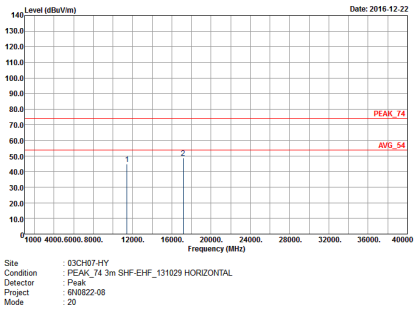
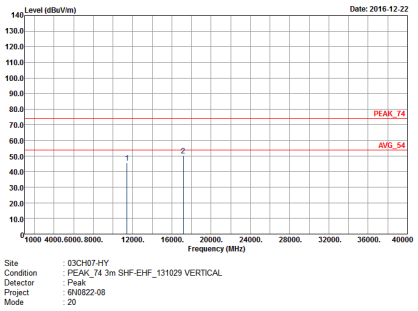
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

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

Band 3 – Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 – Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.