



FCC RADIO TEST REPORT

FCC ID : PPD-QCNFA435
Equipment : Single Stream 802.11a/b/g/n/ac + BT 4.1 M.2 Type Card
Brand Name : Qualcomm Atheros
Model Name : QCNFA435
Applicant : Qualcomm Atheros, Inc
1700 Technology Drive, San Jose, CA 95110
Manufacturer : Qualcomm Atheros, Inc
1700 Technology Drive, San Jose, CA 95110
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jun. 27, 2018 and testing was started from Jul. 24, 2018 and completed on Aug. 07, 2018. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR862735D	01	Initial issue of report	Aug. 30, 2018



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
3.2	15.407(b)	Unwanted Emissions	Pass	Under limit 3.49 dB at 5140.140 MHz
3.3	15.203 15.407(a)	Antenna Requirement	Pass	-

Reviewed by: Joseph Lin

Report Producer: Nancy Yang

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2

The product was installed into Portable Computer (Brand Name: DELL, Model Name: P93G) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with WNC Antenna
Host 2	Host with HB Antenna

Antenna Information								
Mode	Manufacturer	Antenna type	Antenna	2.4G	5G B1	5G B2	5G B3	5G B4
Notebook	HB	PIFA	1(main)	0.86	-0.24	-1.62	-0.75	-0.21
			2(aux)	-0.53	-0.24	0.05	1.14	0.38
	WNC	PIFA	1(main)	-0.87	-4.57	-4	-5.76	-5.19
			2(aux)	-0.16	-2.63	-2.7	-1.12	-1.12

Antenna Information								
Mode	Manufacturer	Antenna type	Antenna	2.4G	5G B1	5G B2	5G B3	5G B4
Tablet	HB	PIFA	1(main)	0.38	-1.58	-1.7	-0.65	0.05
			2(aux)	-1.66	-0.7	-0.35	-0.7	0.47
	WNC	PIFA	1(main)	-2	-4.41	-4.41	-4.67	-4.39
			2(aux)	-0.57	-3.1	-3.1	-3.46	-3.31

1.2 Modification of EUT

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

1.3 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	TH05-HY

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH13-HY

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

1.4 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 v02r01.
- ♦ 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: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z, and Notebook type, the worst cases (X plane for Sample 1 and Notebook type for Sample 2) were recorded in this report.

2.1 Carrier Frequency and Channel

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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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 modes are considering the modulation and worse data rates as below table.

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

Remark:

1. For Radiated Test Cases, the tests were performed with Adapter 1.
2. The test configuration was designated by manufacturer.



<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	-	-	116
H	High	-	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	-	52	100
M	Middle	-	-	116
H	High	-	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	-	102
M	Middle	-	-	-
H	High	-	62	134
Straddle		-	-	142

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	-	52	100
M	Middle	-	-	116
H	High	-	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	-	102
M	Middle	-	-	-
H	High	-	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	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

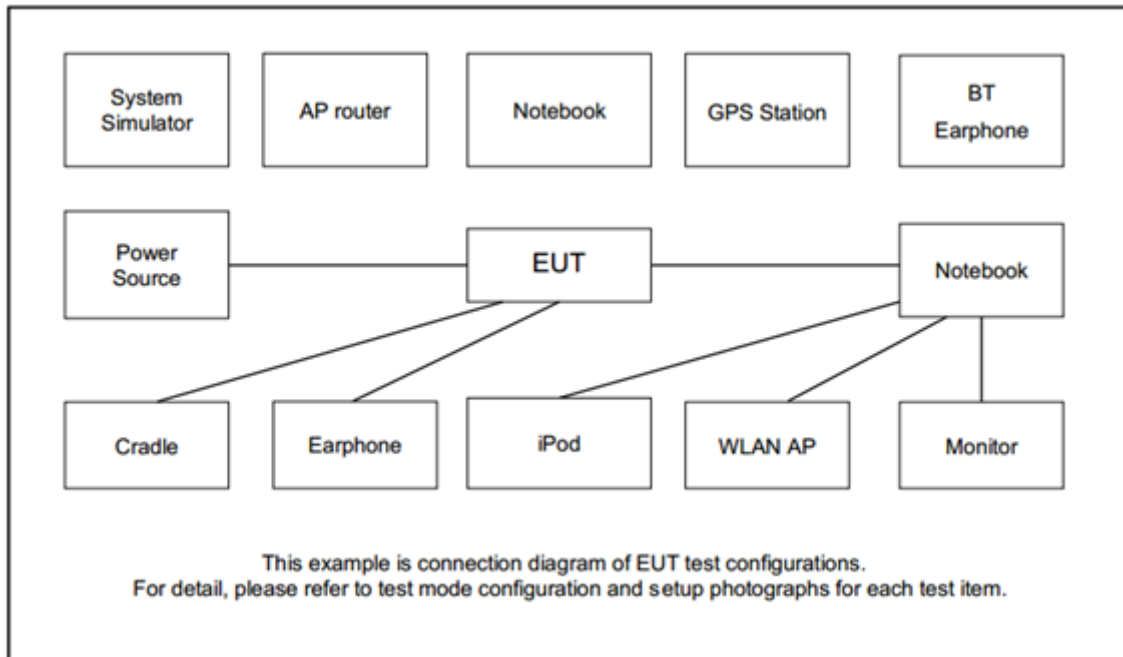
<Sample 1>

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	-	-	-
M	Middle	-	-	-
H	High	-	64	-
Straddle		-	-	-

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	-	-	100
M	Middle	-	-	-
H	High	-	-	-
Straddle		-	-	-

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	-	-
H	High	-	-	-
Straddle		-	-	-

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT” was installed in Portable Computer which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

3 Test Result

3.1 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

- For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

- The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

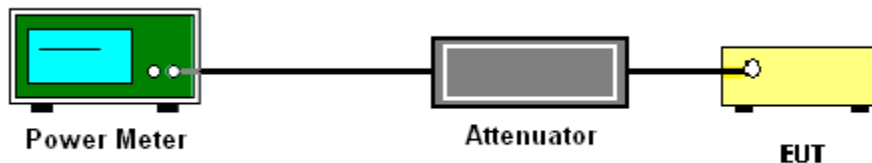
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

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

3.2.1 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 shall comply with the general field strength limits as below table,

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

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

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

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

(3) KDB789033 D02 v02r01 G)2)c)

- (i) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.³
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.⁴

Note 3: An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

Note 4: Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

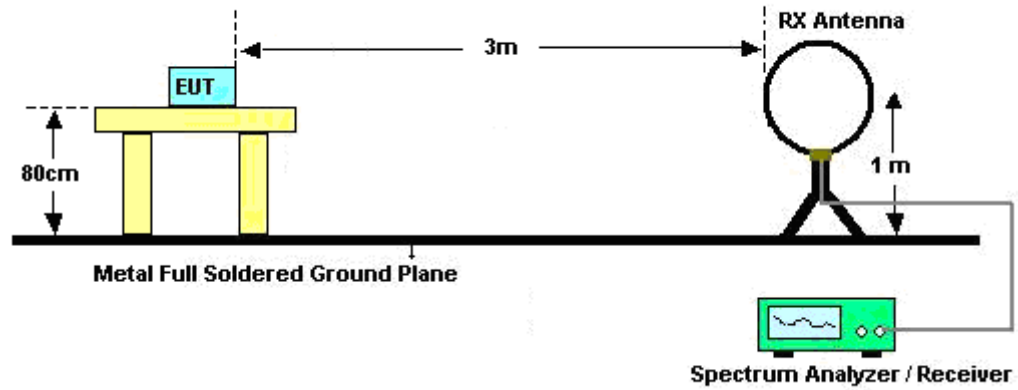
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak 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

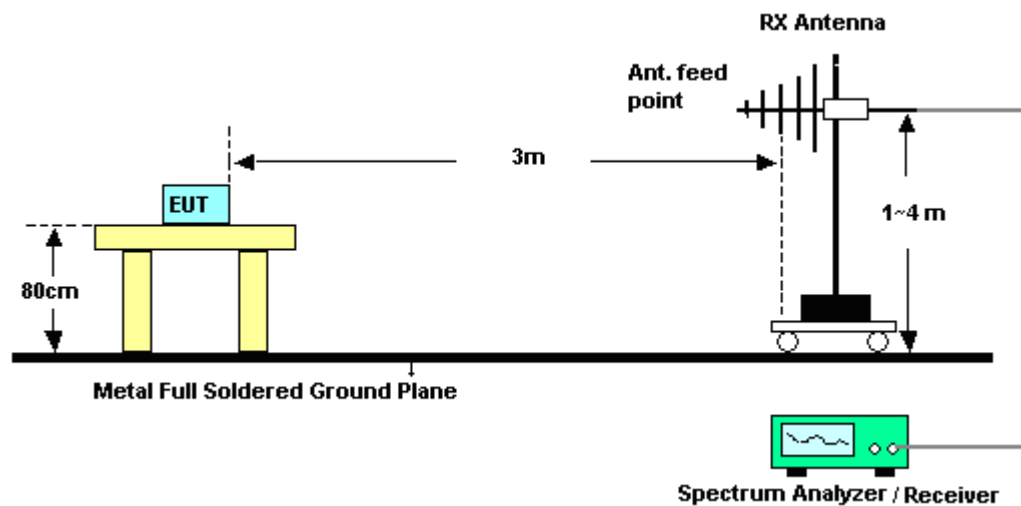
- RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
 3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
 4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
 5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
 6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
 7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.2.4 Test Setup

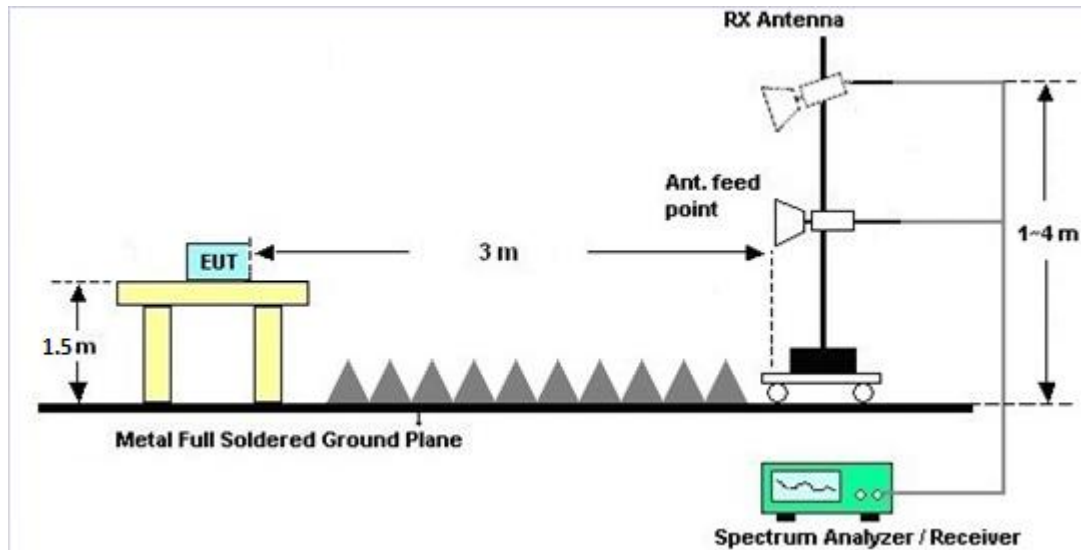
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.2.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.



3.3 Antenna Requirements

3.3.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.3.3 Antenna Gain

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 26, 2017	Jul. 24, 2018~ Jul. 25, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz z	Sep. 26, 2017	Jul. 24, 2018~ Jul. 25, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Jul. 24, 2018~ Jul. 25, 2018	Nov. 12, 2018	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC130048 4	N/A	Mar. 01, 2018	Jul. 24, 2018~ Jul. 25, 2018	Feb. 28, 2019	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Nov. 10, 2017	Jul. 28, 2018 ~ Aug. 07, 2018	Nov. 09, 2018	Radiation (03CH13-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Jul. 15, 2019	Radiation (03CH13-HY)
Filter	WI	WLK4-1000-1 530-8000-40S S	SN1	1G Lowpass Filter	Sep. 18, 2017	Jul. 28, 2018 ~ Aug. 07, 2018	Sep. 17, 2018	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 21, 2016	Jul. 28, 2018 ~ Aug. 07, 2018	Dec. 20, 2018	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Jan. 10, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Jan. 09, 2019	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-124 1	1GHz ~ 18GHz	Jun. 29, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Jun. 28, 2019	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May. 21, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	May. 20, 2019	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY532701 47	1GHz~26.5GHz	Feb. 02, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Feb. 01, 2019	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY553705 26	10Hz~44GHz	Mar. 15, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Mar. 14, 2019	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jul. 28, 2018 ~ Aug. 07, 2018	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jul. 28, 2018 ~ Aug. 07, 2018	N/A	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Nov. 27, 2017	Jul. 28, 2018 ~ Aug. 07, 2018	Nov. 26, 2018	Radiation (03CH13-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY532900 53	20Hz to 26.5GHz	Jan. 16, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Jan. 15, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Jan. 22, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Jan. 21, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	335041/4	30M-18G	Jan. 22, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Jan. 21, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/ 4	30M~18GHz	Jan. 22, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Jan. 21, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 17, 2017	Jul. 28, 2018 ~ Aug. 07, 2018	Oct. 16, 2018	Radiation (03CH13-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Jul. 28, 2018 ~ Aug. 07, 2018	Oct. 16, 2018	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Jul. 28, 2018 ~ Aug. 07, 2018	N/A	Radiation (03CH13-HY)
Filter	Woken	WHKX8-5872.5-6750-18000-40ST	SN3	6.75GHz High Pass	Sep. 18, 2017	Jul. 28, 2018 ~ Aug. 07, 2018	Sep. 17, 2018	Radiation (03CH13-HY)
Preamplifier	Jet-Power	JPA0118-55-303K	1710001800054002	1GHz~18GHz	Apr. 16, 2018	Jul. 28, 2018 ~ Aug. 07, 2018	Apr. 15, 2019	Radiation (03CH13-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Luffy Lin	Temperature:	21~25	°C
Test Date:	2018/07/24 ~ 2018/07/25	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.29	-	12.97	-	24.00	-	-0.24	-	Pass
11a	6Mbps	1	44	5220	0.29	-	12.90	-	24.00	-	-0.24	-	Pass
11a	6Mbps	1	48	5240	0.29	-	12.77	-	24.00	-	-0.24	-	Pass
HT20	MCS0	1	36	5180	0.29	-	12.96	-	24.00	-	-0.24	-	Pass
HT20	MCS0	1	44	5220	0.29	-	12.89	-	24.00	-	-0.24	-	Pass
HT20	MCS0	1	48	5240	0.29	-	12.93	-	24.00	-	-0.24	-	Pass
HT40	MCS0	1	38	5190	0.48	-	9.83	-	24.00	-	-0.24	-	Pass
HT40	MCS0	1	46	5230	0.48	-	12.92	-	24.00	-	-0.24	-	Pass
VHT20	MCS0	1	36	5180	0.26	-	12.98	-	24.00	-	-0.24	-	Pass
VHT20	MCS0	1	44	5220	0.26	-	12.92	-	24.00	-	-0.24	-	Pass
VHT20	MCS0	1	48	5240	0.26	-	12.95	-	24.00	-	-0.24	-	Pass
VHT40	MCS0	1	38	5190	0.47	-	9.87	-	24.00	-	-0.24	-	Pass
VHT40	MCS0	1	46	5230	0.47	-	12.97	-	24.00	-	-0.24	-	Pass
VHT80	MCS0	1	42	5210	0.61	-	11.98	-	24.00	-	-0.24	-	Pass

TEST RESULTS DATA
Average Power Table

FCC Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.29	-	12.82	-	-	-	0.05	-	26.99	Pass
11a	6Mbps	1	60	5300	0.29	-	12.93	-	-	-	0.05	-	26.99	Pass
11a	6Mbps	1	64	5320	0.29	-	12.90	-	-	-	0.05	-	26.99	Pass
HT20	MCS0	1	52	5260	0.29	-	12.92	-	-	-	0.05	-	26.99	Pass
HT20	MCS0	1	60	5300	0.29	-	12.73	-	-	-	0.05	-	26.99	Pass
HT20	MCS0	1	64	5320	0.29	-	12.90	-	-	-	0.05	-	26.99	Pass
HT40	MCS0	1	54	5270	0.48	-	12.86	-	-	-	0.05	-	26.99	Pass
HT40	MCS0	1	62	5310	0.48	-	10.88	-	-	-	0.05	-	26.99	Pass
VHT20	MCS0	1	52	5260	0.26	-	12.94	-	-	-	0.05	-	26.99	Pass
VHT20	MCS0	1	60	5300	0.26	-	12.76	-	-	-	0.05	-	26.99	Pass
VHT20	MCS0	1	64	5320	0.26	-	12.91	-	-	-	0.05	-	26.99	Pass
VHT40	MCS0	1	54	5270	0.47	-	12.88	-	-	-	0.05	-	26.99	Pass
VHT40	MCS0	1	62	5310	0.47	-	10.90	-	-	-	0.05	-	26.99	Pass
VHT80	MCS0	1	58	5290	0.61	-	9.95	-	-	-	0.05	-	26.99	Pass

TEST RESULTS DATA
Average Power Table

FCC Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.29	-	12.97	-	-	-	1.14	-	26.99	Pass
11a	6Mbps	1	116	5580	0.29	-	12.95	-	-	-	1.14	-	26.99	Pass
11a	6Mbps	1	140	5700	0.29	-	12.47	-	-	-	1.14	-	26.99	Pass
11a	6Mbps	1	144	5720	0.29	-	12.94	-	-	-	1.14	-	26.99	Pass
HT20	MCS0	1	100	5500	0.29	-	12.80	-	-	-	1.14	-	26.99	Pass
HT20	MCS0	1	116	5580	0.29	-	12.89	-	-	-	1.14	-	26.99	Pass
HT20	MCS0	1	140	5700	0.29	-	12.40	-	-	-	1.14	-	26.99	Pass
HT20	MCS0	1	144	5720	0.29	-	12.89	-	-	-	1.14	-	26.99	Pass
HT40	MCS0	1	102	5510	0.48	-	10.82	-	-	-	1.14	-	26.99	Pass
HT40	MCS0	1	110	5550	0.48	-	12.94	-	-	-	1.14	-	26.99	Pass
HT40	MCS0	1	134	5670	0.48	-	12.92	-	-	-	1.14	-	26.99	Pass
HT40	MCS0	1	142	5710	0.48	-	12.82	-	-	-	1.14	-	26.99	Pass
VHT20	MCS0	1	100	5500	0.26	-	12.82	-	-	-	1.14	-	26.99	Pass
VHT20	MCS0	1	116	5580	0.26	-	12.92	-	-	-	1.14	-	26.99	Pass
VHT20	MCS0	1	140	5700	0.26	-	12.43	-	-	-	1.14	-	26.99	Pass
VHT20	MCS0	1	144	5720	0.26	-	12.94	-	-	-	1.14	-	26.99	Pass
VHT40	MCS0	1	102	5510	0.47	-	10.88	-	-	-	1.14	-	26.99	Pass
VHT40	MCS0	1	110	5550	0.47	-	12.97	-	-	-	1.14	-	26.99	Pass
VHT40	MCS0	1	134	5670	0.47	-	12.95	-	-	-	1.14	-	26.99	Pass
VHT40	MCS0	1	142	5710	0.47	-	12.93	-	-	-	1.14	-	26.99	Pass
VHT80	MCS0	1	106	5530	0.61	-	9.98	-	-	-	1.14	-	26.99	Pass
VHT80	MCS0	1	122	5610	0.61	-	12.89	-	-	-	1.14	-	26.99	Pass
VHT80	MCS0	1	138	5690	0.61	-	12.98	-	-	-	1.14	-	26.99	Pass



Appendix B. Radiated Spurious Emission

Test Engineer :	Alex Jheng, Fu Chen, Wilson Wu	Temperature :	24~25°C
		Relative Humidity :	55~56%

<For Sample 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.94	58.63	-15.37	74	48.32	31.69	8.17	29.55	100	204	P	H
		5149.24	47.55	-6.45	54	37.24	31.69	8.17	29.55	100	204	A	H
	*	5180	100.44	-	-	90.06	31.71	8.22	29.55	100	204	P	H
	*	5180	92.82	-	-	82.44	31.71	8.22	29.55	100	204	A	H
													H
													H
		5150	55.48	-18.52	74	45.17	31.69	8.17	29.55	398	173	P	V
		5149.5	47.16	-6.84	54	36.85	31.69	8.17	29.55	398	173	A	V
	*	5180	100.38	-	-	90	31.71	8.22	29.55	398	173	P	V
	*	5180	92.8	-	-	82.42	31.71	8.22	29.55	398	173	A	V
													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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5120.12	53.76	-20.24	74	43.51	31.67	8.13	29.55	109	202	P	H
		5150	43.64	-10.36	54	33.33	31.69	8.17	29.55	109	202	A	H
	*	5190	91.93	-	-	81.55	31.71	8.22	29.55	109	202	P	H
	*	5190	84.25	-	-	73.87	31.71	8.22	29.55	109	202	A	H
		5433.12	50.15	-23.85	74	39.46	31.86	8.41	29.58	109	202	P	H
		5433.12	42.2	-11.8	54	31.51	31.86	8.41	29.58	109	202	A	H
		5145.34	51.66	-22.34	74	41.35	31.69	8.17	29.55	284	136	P	V
		5148.98	44.7	-9.3	54	34.39	31.69	8.17	29.55	284	136	A	V
	*	5190	81.63	-	-	71.25	31.71	8.22	29.55	284	136	P	V
	*	5190	84.38	-	-	74	31.71	8.22	29.55	284	136	A	V
		5370.96	49.14	-24.86	74	38.59	31.82	8.3	29.57	284	136	P	V
		5455.52	41.95	-12.05	54	31.21	31.87	8.46	29.59	284	136	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 VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		5150	59.49	-14.51	74	49.18	31.69	8.17	29.55	109	204	P	H
		5143.78	45	-9	54	34.69	31.69	8.17	29.55	109	204	A	H
	*	5190	92.19	-	-	81.81	31.71	8.22	29.55	109	204	P	H
	*	5190	94.65	-	-	84.27	31.71	8.22	29.55	109	204	A	H
		5441.24	50.02	-23.98	74	39.33	31.86	8.41	29.58	109	204	P	H
		5455.52	41.87	-12.13	54	31.13	31.87	8.46	29.59	109	204	A	H
		5146.38	55.01	-18.99	74	44.7	31.69	8.17	29.55	283	137	P	V
		5148.98	44.31	-9.69	54	34	31.69	8.17	29.55	283	137	A	V
	*	5190	92.27	-	-	81.89	31.71	8.22	29.55	283	137	P	V
	*	5190	84.21	-	-	73.83	31.71	8.22	29.55	283	137	A	V
		5423.32	51.25	-22.75	74	40.62	31.85	8.36	29.58	283	137	P	V
		5436.76	41.83	-12.17	54	31.14	31.86	8.41	29.58	283	137	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 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5138.06	58.45	-15.55	74	48.17	31.68	8.15	29.55	102	203	P	H
		5140.14	50.51	-3.49	54	40.22	31.69	8.15	29.55	102	203	A	H
	*	5210	92.86	-	-	82.45	31.73	8.24	29.56	102	203	P	H
	*	5210	84.12	-	-	73.71	31.73	8.24	29.56	102	203	A	H
		5388.6	50.09	-23.91	74	39.54	31.83	8.3	29.58	102	203	P	H
		5459.72	41.93	-12.07	54	31.19	31.87	8.46	29.59	102	203	A	H
		5146.64	57.83	-16.17	74	47.52	31.69	8.17	29.55	281	135	P	V
		5144.82	49.57	-4.43	54	39.26	31.69	8.17	29.55	281	135	A	V
	*	5210	91.5	-	-	81.09	31.73	8.24	29.56	281	135	P	V
	*	5210	83.75	-	-	73.34	31.73	8.24	29.56	281	135	A	V
		5414.64	50.75	-23.25	74	40.12	31.85	8.36	29.58	281	135	P	V
		5459.44	41.75	-12.25	54	31.01	31.87	8.46	29.59	281	135	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	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 64 5320MHz	*	5320	103.61	-	-	93.11	31.79	8.28	29.57	100	203	P	H
	*	5320	94.66	-	-	84.16	31.79	8.28	29.57	100	203	A	H
		5350.4	54.06	-19.94	74	43.53	31.81	8.29	29.57	100	203	P	H
		5350.56	45.79	-8.21	54	35.26	31.81	8.29	29.57	100	203	A	H
													H
													H
	*	5320	102.73	-	-	92.23	31.79	8.28	29.57	384	157	P	V
	*	5320	94.33	-	-	83.83	31.79	8.28	29.57	384	157	A	V
		5352.32	58.45	-15.55	74	47.92	31.81	8.29	29.57	384	157	P	V
		5350.08	44.96	-9.04	54	34.43	31.81	8.29	29.57	384	157	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.33	-20.87	68.2	55.26	40.02	12.39	60.34	100	0	P	H
		15780	44.71	-29.29	74	49.67	38.04	14.71	57.71	100	0	P	H
													H
													H
		10520	47.84	-20.36	68.2	55.77	40.02	12.39	60.34	100	0	P	V
		15780	43.42	-30.58	74	48.38	38.04	14.71	57.71	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz	*	5320	103.61	-	-	93.11	31.79	8.28	29.57	100	203	P	H
	*	5320	94.66	-	-	84.16	31.79	8.28	29.57	100	203	A	H
	*	5350.4	54.06	-19.94	74	43.53	31.81	8.29	29.57	100	203	P	H
	*	5350.56	45.79	-8.21	54	35.26	31.81	8.29	29.57	100	203	A	H
												P	H
												A	H
	*	5320	102.73	-	-	92.23	31.79	8.28	29.57	384	157	P	V
	*	5320	94.33	-	-	83.83	31.79	8.28	29.57	384	157	A	V
		5352.32	58.45	-15.55	74	47.92	31.81	8.29	29.57	384	157	P	V
		5350.08	44.96	-9.04	54	34.43	31.81	8.29	29.57	384	157	A	V
												P	V
												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 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	47.52	-20.68	68.2	55.45	40.02	12.39	60.34	100	0	P	H
		15780	43.91	-30.09	74	48.87	38.04	14.71	57.71	100	0	P	H
													H
													H
		10520	47.45	-20.75	68.2	55.38	40.02	12.39	60.34	100	0	P	V
		15780	43.88	-30.12	74	48.84	38.04	14.71	57.71	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5091.8	52.76	-21.24	74	42.54	31.66	8.1	29.54	111	202	P	H
		5089.42	43.13	-10.87	54	32.91	31.66	8.1	29.54	111	202	A	H
	*	5310	96.83	-	-	86.33	31.79	8.28	29.57	111	202	P	H
	*	5310	89.07	-	-	78.57	31.79	8.28	29.57	111	202	A	H
		5352	51.08	-22.92	74	40.55	31.81	8.29	29.57	111	202	P	H
		5351.28	44.33	-9.67	54	33.8	31.81	8.29	29.57	111	202	A	H
		5071.06	51.9	-22.1	74	41.72	31.64	8.08	29.54	305	147	P	V
		5039.44	42.91	-11.09	54	32.77	31.63	8.04	29.53	305	147	A	V
	*	5310	96.22	-	-	85.72	31.79	8.28	29.57	305	147	P	V
	*	5310	88.3	-	-	77.8	31.79	8.28	29.57	305	147	A	V
		5351.04	53.57	-20.43	74	43.04	31.81	8.29	29.57	305	147	P	V
		5350.08	43.93	-10.07	54	33.4	31.81	8.29	29.57	305	147	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 VHT20 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 64 5320MHz	*	5320	103.76	-	-	93.26	31.79	8.28	29.57	100	204	P	H
	*	5320	94.79	-	-	84.29	31.79	8.28	29.57	100	204	A	H
		5350.88	53.96	-20.04	74	43.43	31.81	8.29	29.57	100	204	P	H
		5350.08	45.69	-8.31	54	35.16	31.81	8.29	29.57	100	204	A	H
													H
													H
	*	5320	101.3	-	-	90.8	31.79	8.28	29.57	382	163	P	V
	*	5320	93.75	-	-	83.25	31.79	8.28	29.57	382	163	A	V
		5350.56	52.02	-21.98	74	41.49	31.81	8.29	29.57	382	163	P	V
		5350.08	44.71	-9.29	54	34.18	31.81	8.29	29.57	382	163	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 802.11ac VHT20 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 52 5260MHz		10520	46.83	-21.37	68.2	54.76	40.02	12.39	60.34	100	0	P	H
		15780	43.86	-30.14	74	48.82	38.04	14.71	57.71	100	0	P	H
													H
													H
		10520	49.01	-19.19	68.2	56.94	40.02	12.39	60.34	100	0	P	V
		15780	44.3	-29.7	74	49.26	38.04	14.71	57.71	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 VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 62 5310MHz		5036.38	52.45	-21.55	74	42.32	31.62	8.04	29.53	100	202	P	H
		5070.04	43.02	-10.98	54	32.86	31.64	8.06	29.54	100	202	A	H
	*	5310	96.99	-	-	86.49	31.79	8.28	29.57	100	202	P	H
	*	5310	89.24	-	-	78.74	31.79	8.28	29.57	100	202	A	H
		5351.52	54.75	-19.25	74	44.22	31.81	8.29	29.57	100	202	P	H
		5350.56	44.12	-9.88	54	33.59	31.81	8.29	29.57	100	202	A	H
		5032.3	51.6	-22.4	74	41.5	31.62	8.01	29.53	299	201	P	V
		5047.26	43.04	-10.96	54	32.91	31.63	8.04	29.54	299	201	A	V
	*	5310	93.96	-	-	83.46	31.79	8.28	29.57	299	201	P	V
	*	5310	86.13	-	-	75.63	31.79	8.28	29.57	299	201	A	V
		5448.72	51.08	-22.92	74	40.33	31.87	8.46	29.58	299	201	P	V
		5350.8	43.37	-10.63	54	32.84	31.81	8.29	29.57	299	201	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 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5043.52	51.73	-22.27	74	41.6	31.63	8.04	29.54	102	200	P	H
		5043.18	42.93	-11.07	54	32.8	31.63	8.04	29.54	102	200	A	H
	*	5290	92.32	-	-	81.84	31.77	8.27	29.56	102	200	P	H
	*	5290	84.2	-	-	73.72	31.77	8.27	29.56	102	200	A	H
		5351.76	53.62	-20.38	74	43.09	31.81	8.29	29.57	102	200	P	H
		5350.8	44.19	-9.81	54	33.66	31.81	8.29	29.57	102	200	A	H
		5056.44	51.64	-22.36	74	41.48	31.64	8.06	29.54	302	148	P	V
		5063.92	43.23	-10.77	54	33.07	31.64	8.06	29.54	302	148	A	V
	*	5290	92.22	-	-	81.74	31.77	8.27	29.56	302	148	P	V
	*	5290	84.08	-	-	73.6	31.77	8.27	29.56	302	148	A	V
		5351.76	51.78	-22.22	74	41.25	31.81	8.29	29.57	302	148	P	V
		5352.96	43.91	-10.09	54	33.38	31.81	8.29	29.57	302	148	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	46.72	-21.48	68.2	54.74	40.09	12.4	60.51	100	0	P	H
		15870	41.76	-32.24	74	46.79	37.79	14.75	57.57	100	0	P	H
													H
													H
		10580	46.11	-22.09	68.2	54.13	40.09	12.4	60.51	100	0	P	V
		15870	41.45	-32.55	74	46.48	37.79	14.75	57.57	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5458.64	55.09	-18.91	74	44.35	31.87	8.46	29.59	100	216	P	H
		5466.32	57.38	-10.82	68.2	46.58	31.88	8.51	29.59	100	216	P	H
		5459.6	42.87	-11.13	54	32.13	31.87	8.46	29.59	100	216	A	H
	*	5500	100.34	-	-	89.47	31.9	8.56	29.59	100	216	P	H
	*	5500	92.7	-	-	81.83	31.9	8.56	29.59	100	216	A	H
													H
		5458.8	55.42	-18.58	74	44.68	31.87	8.46	29.59	310	184	P	V
		5469.68	53.97	-14.23	68.2	43.17	31.88	8.51	29.59	310	184	P	V
		5459.6	42.05	-11.95	54	31.31	31.87	8.46	29.59	310	184	A	V
	*	5500	99.01	-	-	88.14	31.9	8.56	29.59	310	184	P	V
	*	5500	91.42	-	-	80.55	31.9	8.56	29.59	310	184	A	V
													V
802.11a CH 140 5700MHz	*	5700	100.35	-	-	89.03	32.17	8.82	29.67	100	195	P	H
	*	5700	92.77	-	-	81.45	32.17	8.82	29.67	100	195	A	H
		5731.4	54.11	-14.09	68.2	42.77	32.21	8.82	29.69	100	195	P	H
													H
													H
													H
	*	5700	100.34	-	-	89.02	32.17	8.82	29.67	298	174	P	V
	*	5700	92.75	-	-	81.43	32.17	8.82	29.67	298	174	A	V
		5736.28	56.53	-11.67	68.2	45.17	32.24	8.81	29.69	298	174	P	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		11160	48.26	-25.74	74	56.9	40.3	12.59	61.53	100	0	P	H
		16740	45.9	-22.3	68.2	48.07	39.69	14.96	56.82	100	0	P	H
													H
													H
		11160	55.4	-18.6	74	64.04	40.3	12.59	61.53	101	106	P	V
		11160	46.39	-7.61	54	55.03	40.3	12.59	61.53	101	106	A	V
		16740	45.78	-22.42	68.2	47.95	39.69	14.96	56.82	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5450.32	53.79	-20.21	74	43.05	31.87	8.46	29.59	100	216	P	H
		5466.96	62.59	-5.61	68.2	51.79	31.88	8.51	29.59	100	216	P	H
		5459.12	42.74	-11.26	54	32	31.87	8.46	29.59	100	216	A	H
	*	5500	99.83	-	-	88.96	31.9	8.56	29.59	100	216	P	H
	*	5500	92.24	-	-	81.37	31.9	8.56	29.59	100	216	A	H
													H
		5456.4	56.45	-17.55	74	45.71	31.87	8.46	29.59	276	183	P	V
		5469.84	61.01	-7.19	68.2	50.21	31.88	8.51	29.59	276	183	P	V
		5457.84	42.39	-11.61	54	31.65	31.87	8.46	29.59	276	183	A	V
	*	5500	98.87	-	-	88	31.9	8.56	29.59	276	183	P	V
	*	5500	91.12	-	-	80.25	31.9	8.56	29.59	276	183	A	V
													V
802.11n HT20 CH 140 5700MHz	*	5700	100.08	-	-	88.76	32.17	8.82	29.67	100	195	P	H
	*	5700	92.36	-	-	81.04	32.17	8.82	29.67	100	195	A	H
		5725.08	62.04	-6.16	68.2	50.69	32.21	8.82	29.68	100	195	P	H
													H
													H
													H
	*	5700	100.07	-	-	88.75	32.17	8.82	29.67	298	175	P	V
	*	5700	92.32	-	-	81	32.17	8.82	29.67	298	175	A	V
		5725.88	60.7	-7.5	68.2	49.35	32.21	8.82	29.68	298	175	P	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 116 5580MHz		11160	49.57	-24.43	74	58.21	40.3	12.59	61.53	100	0	P	H
		16740	46.78	-21.42	68.2	48.95	39.69	14.96	56.82	100	0	P	H
													H
													H
		11160	55.76	-18.24	74	64.4	40.3	12.59	61.53	100	106	P	V
		11160	46.15	-7.85	54	54.79	40.3	12.59	61.53	100	106	A	V
		16740	46.16	-22.04	68.2	48.33	39.69	14.96	56.82	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5453.2	53.86	-20.14	74	43.12	31.87	8.46	29.59	101	213	P	H
		5469.76	52.11	-16.09	68.2	41.31	31.88	8.51	29.59	101	213	P	H
		5458	43.99	-10.01	54	33.25	31.87	8.46	29.59	101	213	A	H
	*	5510	95.93	-	-	85.03	31.9	8.6	29.6	101	213	P	H
	*	5510	87.05	-	-	76.15	31.9	8.6	29.6	101	213	A	H
		5756.495	51.5	-16.7	68.2	40.14	32.26	8.81	29.71	101	213	P	H
		5423.44	50.83	-23.17	74	40.2	31.85	8.36	29.58	279	180	P	V
		5464.96	50.43	-17.77	68.2	39.68	31.88	8.46	29.59	279	180	P	V
		5455.6	42.32	-11.68	54	31.58	31.87	8.46	29.59	279	180	A	V
	*	5510	94.77	-	-	83.87	31.9	8.6	29.6	279	180	P	V
	*	5510	86.21	-	-	75.31	31.9	8.6	29.6	279	180	A	V
		5728.775	50.71	-17.49	68.2	39.36	32.21	8.82	29.68	279	180	P	V
802.11n HT40 CH 134 5670MHz		5414.75	49.25	-24.75	74	38.62	31.85	8.36	29.58	100	198	P	H
		5459.9	49.07	-24.93	74	38.33	31.87	8.46	29.59	100	198	P	H
		5459.2	42.24	-11.76	54	31.5	31.87	8.46	29.59	100	198	A	H
	*	5670	100.31	-	-	89	32.14	8.83	29.66	100	198	P	H
	*	5670	92.76	-	-	81.45	32.14	8.83	29.66	100	198	A	H
		5725	52.17	-16.03	68.2	40.82	32.21	8.82	29.68	100	198	P	H
		5457.1	50.8	-23.2	74	40.06	31.87	8.46	29.59	351	181	P	V
		5463.75	48.91	-19.29	68.2	38.16	31.88	8.46	29.59	351	181	P	V
		5457.45	42.09	-11.91	54	31.35	31.87	8.46	29.59	351	181	A	V
	*	5670	100.55	-	-	89.24	32.14	8.83	29.66	351	181	P	V
	*	5670	93.09	-	-	81.78	32.14	8.83	29.66	351	181	A	V
		5754.92	52.47	-15.73	68.2	41.09	32.26	8.81	29.69	351	181	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 VHT20 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 100 5500MHz		5458.32	54.89	-19.11	74	44.15	31.87	8.46	29.59	108	214	P	H
		5466.16	53.08	-15.12	68.2	42.28	31.88	8.51	29.59	108	214	P	H
		5459.6	42.54	-11.46	54	31.8	31.87	8.46	29.59	108	214	A	H
	*	5500	100.24	-	-	89.37	31.9	8.56	29.59	108	214	P	H
	*	5500	92.29	-	-	81.42	31.9	8.56	29.59	108	214	A	H
													H
		5459.12	51.69	-22.31	74	40.95	31.87	8.46	29.59	305	179	P	V
		5466.16	53.61	-14.59	68.2	42.81	31.88	8.51	29.59	305	179	P	V
		5460	42.25	-11.75	54	31.51	31.87	8.46	29.59	305	179	A	V
	*	5500	99.86	-	-	88.99	31.9	8.56	29.59	305	179	P	V
	*	5500	91.99	-	-	81.12	31.9	8.56	29.59	305	179	A	V
													V
802.11ac VHT20 CH 140 5700MHz	*	5700	101.65	-	-	90.33	32.17	8.82	29.67	100	195	P	H
	*	5700	92.47	-	-	81.15	32.17	8.82	29.67	100	195	A	H
		5736.76	55.11	-13.09	68.2	43.75	32.24	8.81	29.69	100	195	P	H
													H
													H
													H
	*	5700	101.16	-	-	89.84	32.17	8.82	29.67	318	175	P	V
	*	5700	92.32	-	-	81	32.17	8.82	29.67	318	175	A	V
		5730.44	51.5	-16.7	68.2	40.16	32.21	8.82	29.69	318	175	P	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

**Band 3 - 5470~5725MHz****WIFI 802.11ac VHT20 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 116 5580MHz		11160	49.4	-24.6	74	58.04	40.3	12.59	61.53	100	0	P	H
		16740	46.79	-21.41	68.2	48.96	39.69	14.96	56.82	100	0	P	H
													H
													H
		11160	56.01	-17.99	74	64.65	40.3	12.59	61.53	102	106	P	V
		11160	46.21	-7.79	54	54.85	40.3	12.59	61.53	102	106	A	V
		16740	46.17	-22.03	68.2	48.34	39.69	14.96	56.82	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 102 5510MHz		5458.96	55.12	-18.88	74	44.38	31.87	8.46	29.59	100	215	P	H
		5467.6	58.11	-10.09	68.2	47.31	31.88	8.51	29.59	100	215	P	H
		5454.88	42.93	-11.07	54	32.19	31.87	8.46	29.59	100	215	A	H
	*	5510	95.48	-	-	84.58	31.9	8.6	29.6	100	215	P	H
	*	5510	87.12	-	-	76.22	31.9	8.6	29.6	100	215	A	H
		5727.83	50.26	-17.94	68.2	38.91	32.21	8.82	29.68	100	215	P	H
		5457.28	49.87	-24.13	74	39.13	31.87	8.46	29.59	322	179	P	V
		5467.36	51.5	-16.7	68.2	40.7	31.88	8.51	29.59	322	179	P	V
		5459.68	42.69	-11.31	54	31.95	31.87	8.46	29.59	322	179	A	V
	*	5510	95.03	-	-	84.13	31.9	8.6	29.6	322	179	P	V
	*	5510	86.17	-	-	75.27	31.9	8.6	29.6	322	179	A	V
		5747.675	50.9	-17.3	68.2	39.54	32.24	8.81	29.69	322	179	P	V
802.11ac VHT40 CH 134 5670MHz		5456.05	49.63	-24.37	74	38.89	31.87	8.46	29.59	115	197	P	H
		5463.4	50.28	-17.92	68.2	39.53	31.88	8.46	29.59	115	197	P	H
		5458.85	41.88	-12.12	54	31.14	31.87	8.46	29.59	115	197	A	H
	*	5670	99.39	-	-	88.08	32.14	8.83	29.66	115	197	P	H
	*	5670	91.58	-	-	80.27	32.14	8.83	29.66	115	197	A	H
		5724.995	52.01	-16.19	68.2	40.66	32.21	8.82	29.68	115	197	P	H
		5376.6	49.93	-24.07	74	39.39	31.82	8.3	29.58	289	195	P	V
		5464.8	49.58	-18.62	68.2	38.83	31.88	8.46	29.59	289	195	P	V
		5459.9	42.14	-11.86	54	31.4	31.87	8.46	29.59	289	195	A	V
	*	5670	99.73	-	-	88.42	32.14	8.83	29.66	289	195	P	V
	*	5670	92	-	-	80.69	32.14	8.83	29.66	289	195	A	V
		5739.8	50.12	-18.08	68.2	38.76	32.24	8.81	29.69	289	195	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 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5452.72	53.3	-20.7	74	42.56	31.87	8.46	29.59	100	215	P	H
		5468.08	52.97	-15.23	68.2	42.17	31.88	8.51	29.59	100	215	P	H
		5458.72	43.9	-10.1	54	33.16	31.87	8.46	29.59	100	215	A	H
	*	5530	92.12	-	-	81.16	31.92	8.65	29.61	100	215	P	H
	*	5530	83.88	-	-	72.92	31.92	8.65	29.61	100	215	A	H
		5748.62	50.76	-17.44	68.2	39.4	32.24	8.81	29.69	100	215	P	H
		5446.96	50.38	-23.62	74	39.68	31.87	8.41	29.58	302	170	P	V
		5465.68	50.9	-17.3	68.2	40.15	31.88	8.46	29.59	302	170	P	V
		5455.6	43.05	-10.95	54	32.31	31.87	8.46	29.59	302	170	A	V
	*	5530	91.9	-	-	80.94	31.92	8.65	29.61	302	170	P	V
	*	5530	83.01	-	-	72.05	31.92	8.65	29.61	302	170	A	V
		5734.445	50.33	-17.87	68.2	38.99	32.21	8.82	29.69	302	170	P	V
802.11ac VHT80 CH 122 5610MHz		5457.76	49.61	-24.39	74	38.87	31.87	8.46	29.59	103	200	P	H
		5462.8	50.2	-18	68.2	39.45	31.88	8.46	29.59	103	200	P	H
		5458.24	42.28	-11.72	54	31.54	31.87	8.46	29.59	103	200	A	H
	*	5610	96.61	-	-	85.36	32.04	8.85	29.64	103	200	P	H
	*	5610	87.94	-	-	76.69	32.04	8.85	29.64	103	200	A	H
		5742.005	52.16	-16.04	68.2	40.8	32.24	8.81	29.69	103	200	P	H
		5450.56	50.49	-23.51	74	39.75	31.87	8.46	29.59	299	179	P	V
		5469.52	49.22	-18.98	68.2	38.42	31.88	8.51	29.59	299	179	P	V
		5457.52	42.11	-11.89	54	31.37	31.87	8.46	29.59	299	179	A	V
	*	5610	98.76	-	-	87.51	32.04	8.85	29.64	299	179	P	V
	*	5610	88.76	-	-	77.51	32.04	8.85	29.64	299	179	A	V
		5727.515	51.97	-16.23	68.2	40.62	32.21	8.82	29.68	299	179	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 122 5610MHz		11220	46.17	-27.83	74	54.84	40.24	12.63	61.54	100	0	P	H
		16830	46.42	-21.78	68.2	48.28	39.79	14.99	56.64	100	0	P	H
													H
													H
		11220	47.06	-26.94	74	55.73	40.24	12.63	61.54	100	0	P	V
		16830	47.39	-20.81	68.2	49.25	39.79	14.99	56.64	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	Path	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	101.82	-	-	90.47	32.21	8.82	29.68	109	197	P	H
	*	5720	94.06	-	-	82.71	32.21	8.82	29.68	109	197	A	H
													H
													H
													H
													H
	*	5720	101.67	-	-	90.32	32.21	8.82	29.68	289	176	P	V
	*	5720	94.12	-	-	82.77	32.21	8.82	29.68	289	176	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	48.53	-25.47	74	57.42	39.98	12.72	61.59	100	0	P	H
		17160	48.56	-19.64	68.2	48.82	40.6	15.07	55.93	100	0	P	H
													H
													H
		11440	55.39	-18.61	74	64.28	39.98	12.72	61.59	104	81	P	V
		11440	45.29	-8.71	54	54.18	39.98	12.72	61.59	104	81	A	V
		17160	48.77	-19.43	68.2	49.03	40.6	15.07	55.93	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5720	102.96	-	-	91.61	32.21	8.82	29.68	113	197	P	H
	*	5720	94.37	-	-	83.02	32.21	8.82	29.68	113	197	A	H
													H
													H
													H
													H
	*	5720	102.83	-	-	91.48	32.21	8.82	29.68	322	178	P	V
	*	5720	93.76	-	-	82.41	32.21	8.82	29.68	322	178	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	51.45	-22.55	74	60.34	39.98	12.72	61.59	100	272	P	H
		11440	43.78	-10.22	54	52.67	39.98	12.72	61.59	100	272	A	H
		17160	49.24	-18.96	68.2	49.5	40.6	15.07	55.93	100	0	P	H
													H
		11440	54.44	-19.56	74	63.33	39.98	12.72	61.59	106	79	P	V
		11440	45.45	-8.55	54	54.34	39.98	12.72	61.59	106	79	A	V
		17160	47.86	-20.34	68.2	48.12	40.6	15.07	55.93	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5710	98.54	-	-	87.21	32.19	8.82	29.68	103	196	P	H
	*	5710	91.07	-	-	79.74	32.19	8.82	29.68	103	196	A	H
													H
													H
													H
													H
	*	5710	98.28	-	-	86.95	32.19	8.82	29.68	304	178	P	V
	*	5710	90.93	-	-	79.6	32.19	8.82	29.68	304	178	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	47.47	-26.53	74	56.34	40	12.71	61.58	100	0	P	H
		17130	47.69	-20.51	68.2	48.14	40.48	15.08	56.01	100	0	P	H
													H
													H
		11420	48.64	-25.36	74	57.51	40	12.71	61.58	100	0	P	V
		17130	48.14	-20.06	68.2	48.59	40.48	15.08	56.01	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 VHT20 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 144 5720MHz	*	5720	102.58	-	-	91.23	32.21	8.82	29.68	105	197	P	H
	*	5720	94.03	-	-	82.68	32.21	8.82	29.68	105	197	A	H
													H
													H
													H
													H
	*	5720	101.98	-	-	90.63	32.21	8.82	29.68	325	164	P	V
	*	5720	94.01	-	-	82.66	32.21	8.82	29.68	325	164	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 VHT20 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 144 5720MHz		11440	48.04	-25.96	74	56.93	39.98	12.72	61.59	100	0	P	H
		17160	48.02	-20.18	68.2	48.28	40.6	15.07	55.93	100	0	P	H
													H
													H
		11440	49.93	-24.07	74	58.82	39.98	12.72	61.59	100	0	P	V
		17160	47.59	-20.61	68.2	47.85	40.6	15.07	55.93	100	0	A	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 VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz	*	5710	98.61	-	-	87.28	32.19	8.82	29.68	113	196	P	H
	*	5710	91.33	-	-	80	32.19	8.82	29.68	113	196	A	H
													H
													H
													H
													H
	*	5710	98.14	-	-	86.81	32.19	8.82	29.68	323	165	P	V
	*	5710	90.96	-	-	79.63	32.19	8.82	29.68	323	165	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 VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz		11420	47.43	-26.57	74	56.3	40	12.71	61.58	100	0	P	H
		17130	47.83	-20.37	68.2	48.28	40.48	15.08	56.01	100	0	P	H
													H
													H
		11420	48.22	-25.78	74	57.09	40	12.71	61.58	100	0	P	V
		17130	49.01	-19.19	68.2	49.46	40.48	15.08	56.01	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	97.45	-	-	86.12	32.17	8.83	29.67	112	199	P	H
	*	5690	89.26	-	-	77.93	32.17	8.83	29.67	112	199	A	H
													H
													H
													H
													H
	*	5690	97.7	-	-	86.37	32.17	8.83	29.67	308	179	P	V
	*	5690	89.94	-	-	78.61	32.17	8.83	29.67	308	179	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	46.09	-27.91	74	54.92	40.04	12.71	61.58	100	0	P	H
		17070	46.63	-21.57	68.2	47.5	40.24	15.04	56.15	100	0	P	H
													H
													H
		11380	45.33	-28.67	74	54.16	40.04	12.71	61.58	100	0	P	V
		17070	47.47	-20.73	68.2	48.34	40.24	15.04	56.15	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	Path	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		69.69	30.31	-9.69	40	48.91	12.55	1.16	32.31	100	0	P	H
		147.45	26.76	-16.74	43.5	40.22	17.27	1.55	32.28	-	-	P	H
		183.9	27.25	-16.25	43.5	42.76	15.02	1.74	32.27	-	-	P	H
		845.3	31.64	-14.36	46	30.92	29	3.49	31.77	-	-	P	H
		904.1	32.43	-13.57	46	31.22	29.09	3.59	31.47	-	-	P	H
		954.5	34.67	-11.33	46	31.12	30.86	3.71	31.02	-	-	P	H
													H
													H
													H
													H
													H
													H
													V
		31.08	33.77	-6.23	40	41.36	23.96	0.79	32.34	100	0	P	V
		50.25	31.57	-8.43	40	48.37	14.53	0.99	32.32	-	-	P	V
		60.24	29.4	-10.6	40	48.61	12.06	1.04	32.31	-	-	P	V
		520.5	25.98	-20.02	46	31.36	24.09	2.73	32.2	-	-	P	V
		882.4	31.74	-14.26	46	30.83	28.98	3.53	31.6	-	-	P	V
		939.1	33.94	-12.06	46	31.36	30.04	3.7	31.16	-	-	P	V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												



<For Sample 2>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		10420	47.11	-21.09	68.2	55.02	39.85	12.36	60.12	100	0	P	H
		15630	44.06	-29.94	74	48.95	38.37	14.65	57.91	100	0	P	H
													H
													H
		10420	47.18	-21.02	68.2	55.09	39.85	12.36	60.12	100	0	P	V
		15630	45.18	-28.82	74	50.07	38.37	14.65	57.91	100	0	P	V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		10420	47.11	-21.09	68.2	55.02	39.85	12.36	60.12	100	0	P	H
		15630	44.06	-29.94	74	48.95	38.37	14.65	57.91	100	0	P	H
													H
													H
		10420	47.18	-21.02	68.2	55.09	39.85	12.36	60.12	100	0	P	V
		15630	45.18	-28.82	74	50.07	38.37	14.65	57.91	100	0	P	V
													V
													V
Remark - No other spurious found. - 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	Path	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 64 5320MHz	*	5320	104.11	-	-	93.61	31.79	8.28	29.57	100	109	P	H
	*	5320	96.29	-	-	85.79	31.79	8.28	29.57	100	109	A	H
		5350.08	56.19	-17.81	74	45.66	31.81	8.29	29.57	100	109	P	H
		5350.24	47.72	-6.28	54	37.19	31.81	8.29	29.57	100	109	A	H
													H
													H
	*	5320	104.8	-	-	94.3	31.79	8.28	29.57	155	360	P	V
	*	5320	97.26	-	-	86.76	31.79	8.28	29.57	155	360	A	V
		5353.6	60.79	-13.21	74	50.26	31.81	8.29	29.57	155	360	P	V
		5350.08	48.28	-5.72	54	37.75	31.81	8.29	29.57	155	360	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz		10640	46.7	-27.3	74	54.78	40.14	12.41	60.63	100	0	P	H
		15960	43.93	-30.07	74	49.02	37.58	14.78	57.45	100	0	P	H
													H
													H
		10640	53.96	-20.04	74	62.04	40.14	12.41	60.63	107	135	P	V
		10640	45.29	-8.71	54	53.37	40.14	12.41	60.63	107	135	A	V
		15960	44.15	-29.85	74	49.24	37.58	14.78	57.45	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		5446.48	51.84	-22.16	74	41.14	31.87	8.41	29.58	153	104	P	H
		5468.88	55.81	-12.39	68.2	45.01	31.88	8.51	29.59	153	104	P	H
		5458.48	43.27	-10.73	54	32.53	31.87	8.46	29.59	153	104	A	H
	*	5500	102.72	-	-	91.85	31.9	8.56	29.59	153	104	P	H
	*	5500	94.99	-	-	84.12	31.9	8.56	29.59	153	104	A	H
													H
		5456.08	52.41	-21.59	74	41.67	31.87	8.46	29.59	102	360	P	V
		5470	55.31	-12.89	68.2	44.51	31.88	8.51	29.59	102	360	P	V
		5458	43.11	-10.89	54	32.37	31.87	8.46	29.59	102	360	A	V
	*	5500	101.91	-	-	91.04	31.9	8.56	29.59	102	360	P	V
	*	5500	94.32	-	-	83.45	31.9	8.56	29.59	102	360	A	V
													V

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		11000	47.14	-26.86	74	55.63	40.5	12.51	61.5	100	0	P	H
		16500	46.15	-22.05	68.2	49.13	39.4	14.92	57.3	100	0	P	H
													H
													H
		11000	55.22	-18.78	74	63.71	40.5	12.51	61.5	100	133	P	V
		11000	44.72	-9.28	54	53.21	40.5	12.51	61.5	100	133	A	V
		16500	45.04	-23.16	68.2	48.02	39.4	14.92	57.3	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	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 LF		66.99	28.89	-11.11	40	47.83	12.24	1.13	32.31	100	0	P	H
		103.98	26.39	-17.11	43.5	40.89	16.45	1.34	32.29	-	-	P	H
		187.41	29.78	-13.72	43.5	45.33	14.98	1.74	32.27	-	-	P	H
		363	30.65	-15.35	46	39.57	20.88	2.34	32.14	-	-	P	H
		932.8	32.96	-13.04	46	30.69	29.82	3.66	31.21	-	-	P	H
		951	33.46	-12.54	46	30.15	30.65	3.71	31.05	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		30.81	33.55	-6.45	40	41.14	23.96	0.79	32.34	100	0	P	V
		60.24	30.55	-9.45	40	49.76	12.06	1.04	32.31	-	-	P	V
		184.98	28	-15.5	43.5	43.54	14.99	1.74	32.27	-	-	P	V
		831.3	32.37	-13.63	46	32.17	28.55	3.49	31.84	-	-	P	V
		933.5	32.95	-13.05	46	30.68	29.82	3.66	31.21	-	-	P	V
		954.5	33.78	-12.22	46	30.23	30.86	3.71	31.02	-	-	P	V
													V
												V	
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		69.15	30.61	-9.39	40	49.31	12.45	1.16	32.31	100	0	P	H
		186.87	27.4	-16.1	43.5	42.95	14.98	1.74	32.27	-	-	P	H
		214.14	27.43	-16.07	43.5	42.68	15.2	1.8	32.25	-	-	P	H
		862.1	32.71	-13.29	46	31.78	29.11	3.51	31.69	-	-	P	H
		910.4	32.49	-13.51	46	31.12	29.19	3.6	31.42	-	-	P	H
		955.9	34.01	-11.99	46	30.34	30.96	3.71	31	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.08	32.6	-7.4	40	40.19	23.96	0.79	32.34	100	0	P	V
		50.25	30.27	-9.73	40	47.07	14.53	0.99	32.32	-	-	P	V
		60.78	29.93	-10.07	40	49.15	12.05	1.04	32.31	-	-	P	V
		499.5	31.99	-14.01	46	37.58	23.95	2.66	32.2	-	-	P	V
		908.3	32.28	-13.72	46	30.98	29.15	3.59	31.44	-	-	P	V
		955.9	33.68	-12.32	46	30.01	30.96	3.71	31	-	-	P	V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	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		66.45	29.7	-10.3	40	48.64	12.24	1.06	32.31	100	0	P	H
		147.72	27.6	-15.9	43.5	41.06	17.27	1.5	32.28	-	-	P	H
		187.41	29.07	-14.43	43.5	44.62	14.98	1.66	32.27	-	-	P	H
		911.1	32.5	-13.5	46	31.12	29.19	3.48	31.41	-	-	P	H
		947.5	33.07	-12.93	46	29.94	30.5	3.57	31.08	-	-	P	H
		955.9	34.12	-11.88	46	30.45	30.96	3.57	31	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.08	33.95	-6.05	40	41.54	23.96	0.81	32.34	100	0	P	V
		51.06	31.07	-8.93	40	48.27	14.13	0.97	32.32	-	-	P	V
		60.24	29.5	-10.5	40	48.71	12.06	1.06	32.31	-	-	P	V
		479.9	33.08	-12.92	46	38.98	23.66	2.55	32.19	-	-	P	V
		937	33.46	-12.54	46	31	29.97	3.53	31.17	-	-	P	V
		948.9	33.48	-12.52	46	30.28	30.55	3.57	31.06	-	-	P	V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

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

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path 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) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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



Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Alex Jheng, Fu Chen, Wilson Wu	Temperature :	24~25°C
		Relative Humidity :	55~56%

Note symbol

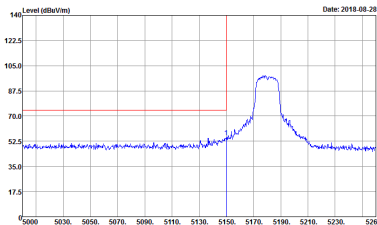
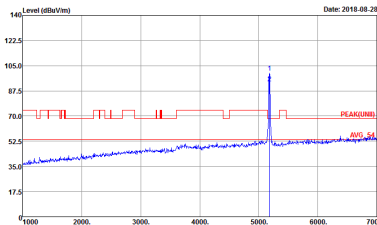
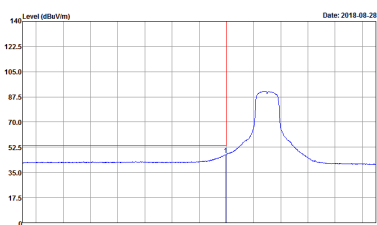
-L	Low channel location
-R	High channel location



<For Sample 1>

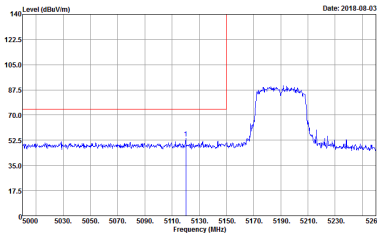
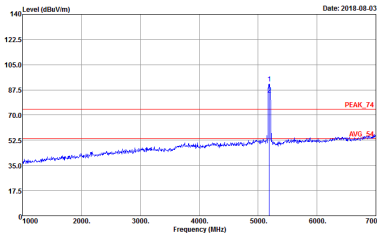
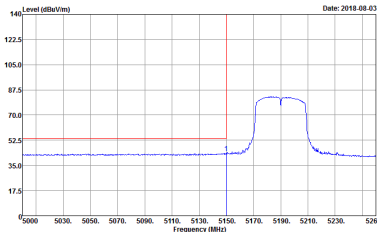
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 1 Power : 13.5	Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 1 Power : 13.5
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 1 Power : 13.5	Left blank

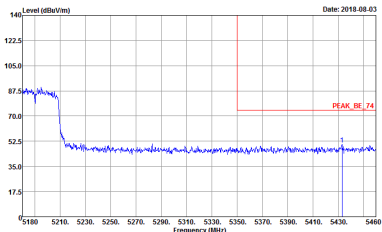
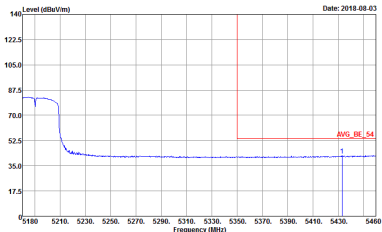
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 1 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 1 Power : 13.5
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 1 Power : 13.5	Left blank



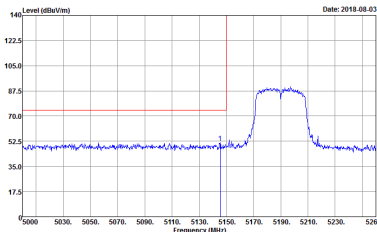
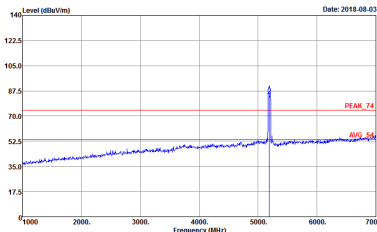
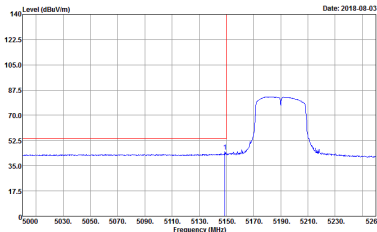
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 2	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 2
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 2	Left blank

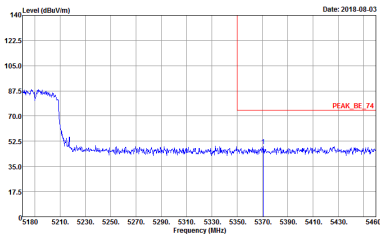
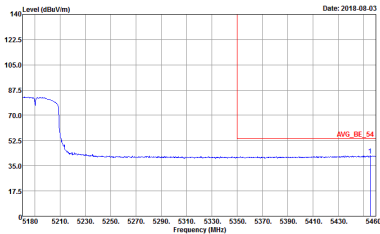


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 2	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 2	Left blank



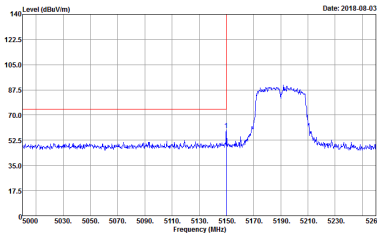
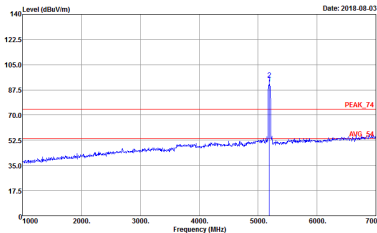
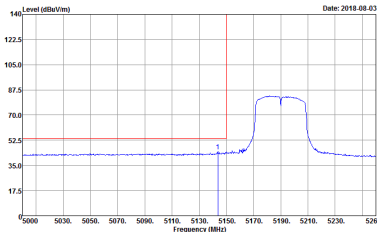
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 2	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 2
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 2	Left blank



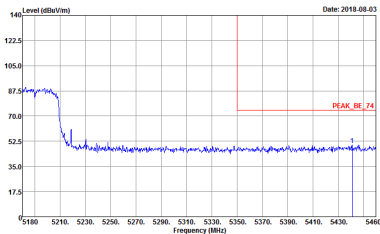
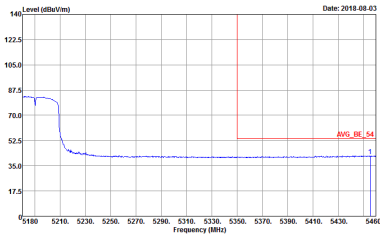
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 2	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 2	Left blank



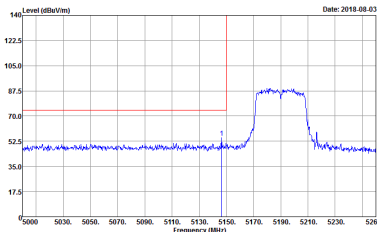
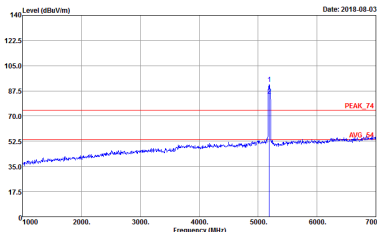
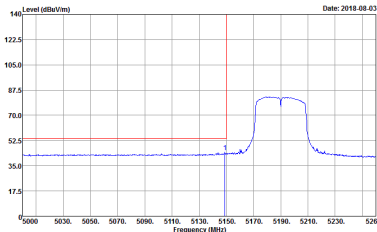
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 3	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 3
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 3	Left blank

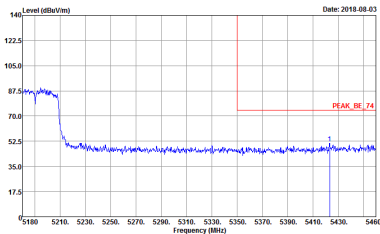
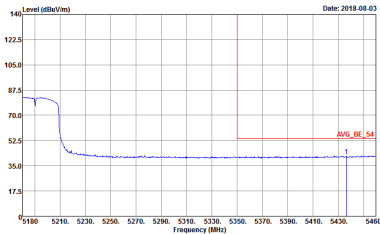


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 3	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 3	Left blank



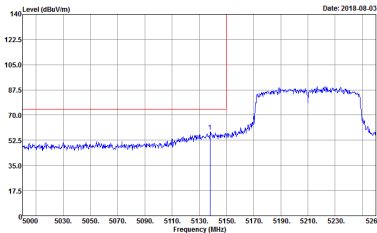
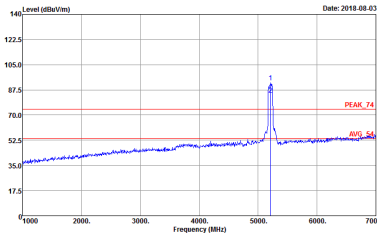
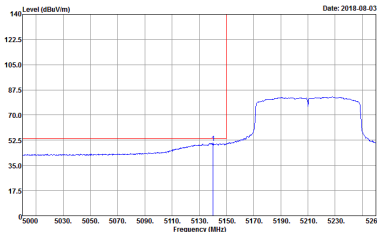
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 3	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 3
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 3	Left blank



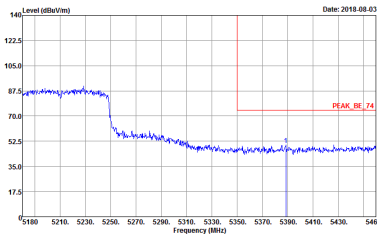
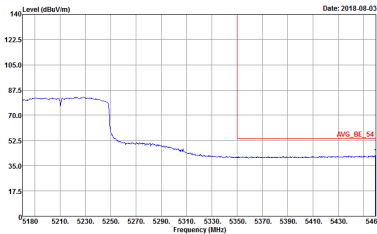
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 : 3	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 862735 : 3	Left blank



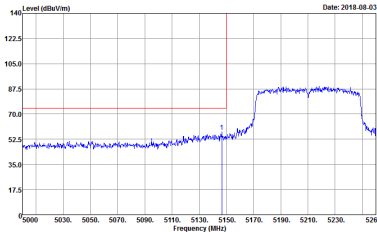
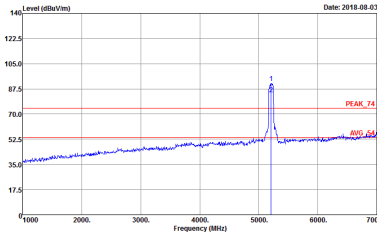
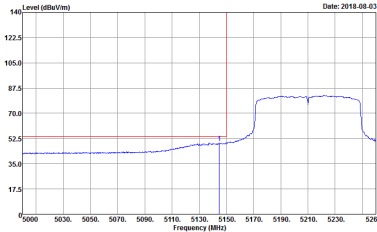
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 4	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 4
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 4	Left blank

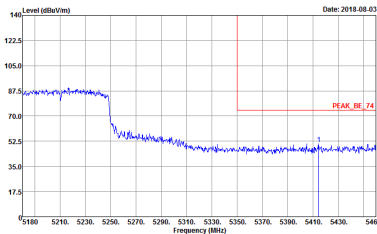
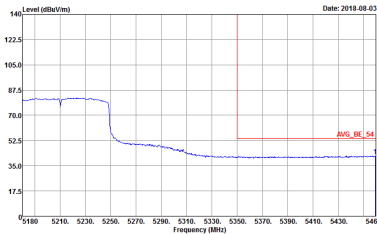


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 4	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 4	Left blank



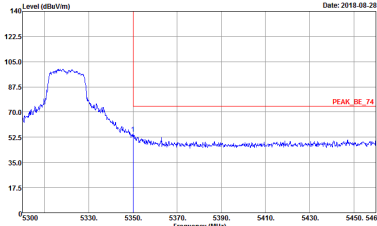
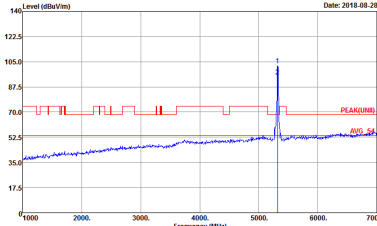
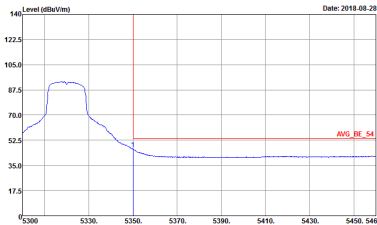
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 4	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 4
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : 4	Left blank



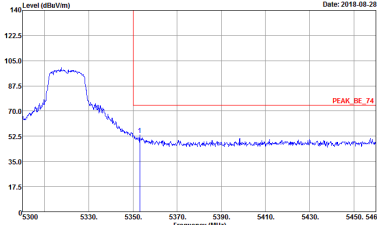
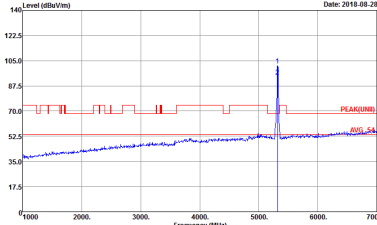
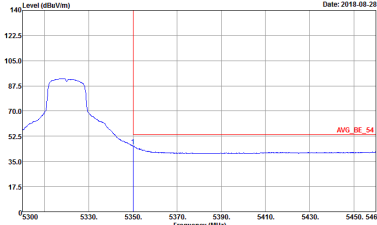
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 4	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 4	Left blank



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

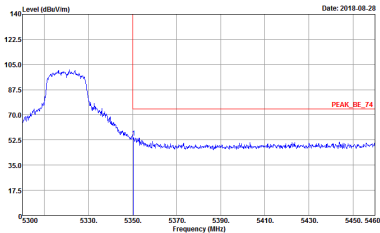
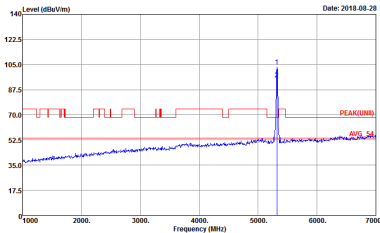
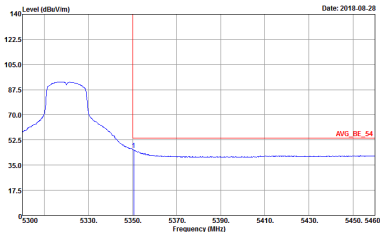
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 6 Power : 14	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 6 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 6 Power : 14	Left blank



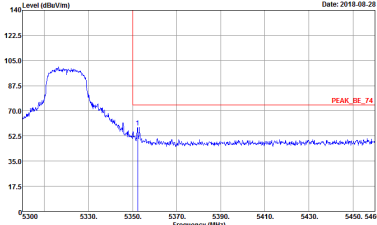
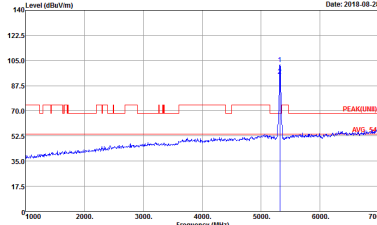
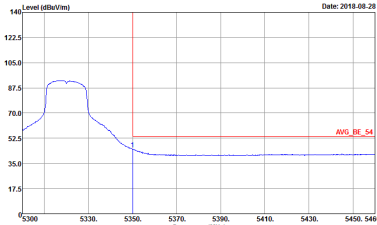
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 6 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 6 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 6 Power : 14	Left blank



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

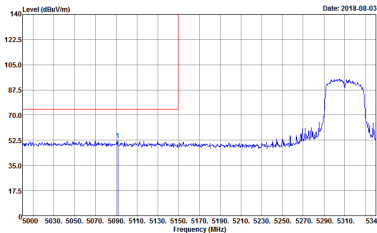
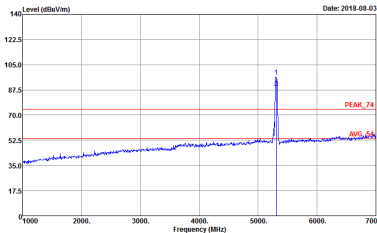
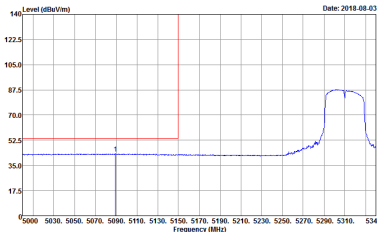
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 8 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 8 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 8 Power : 14.5	Left blank



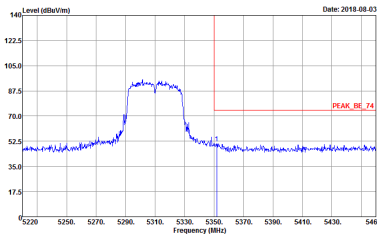
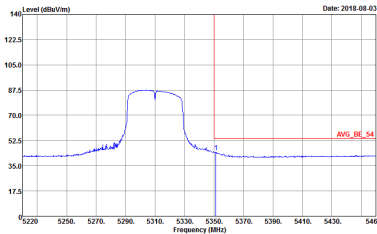
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 8 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 8 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 8 Power : 14.5	Left blank



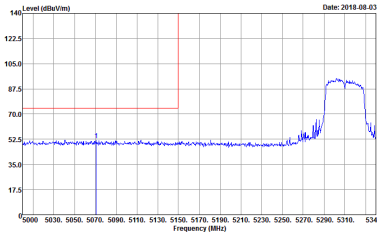
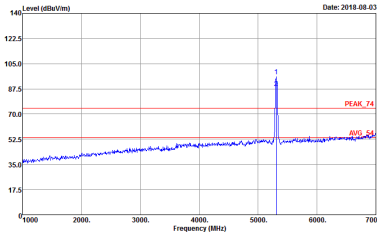
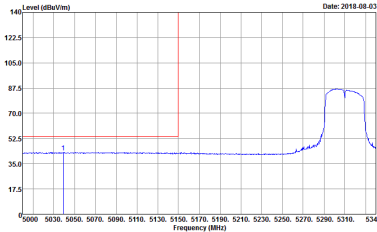
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 11	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 11
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 11	Left blank

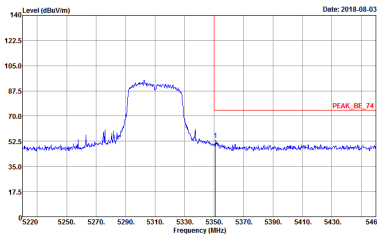
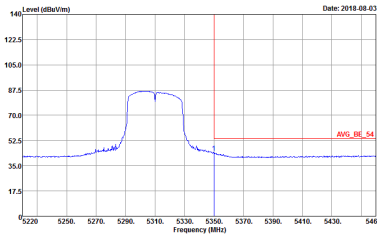


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 11	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 11	Left blank



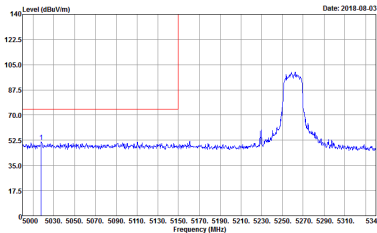
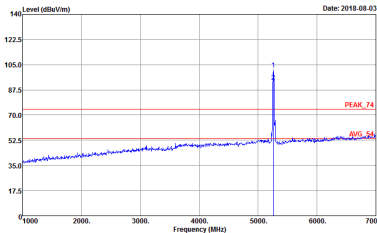
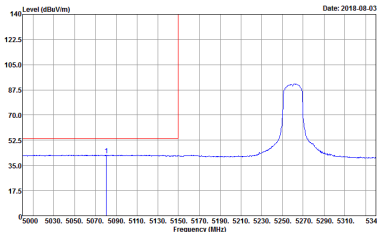
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 11	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 11
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 11	Left blank



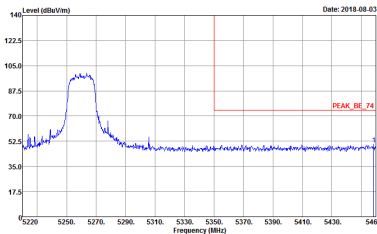
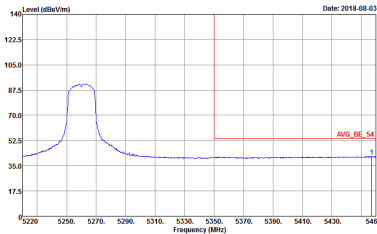
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 11	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 11	Left blank



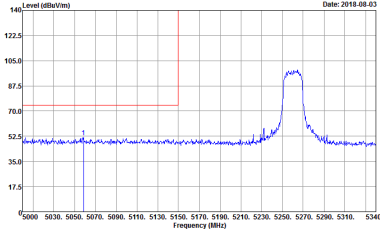
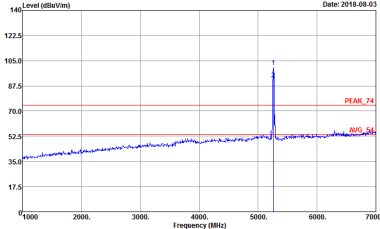
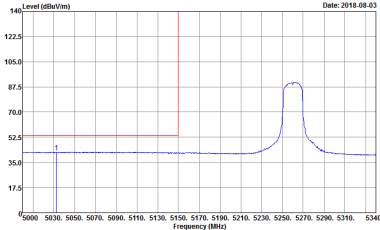
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 9	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 9
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 9	Left blank

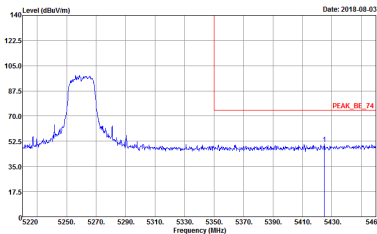
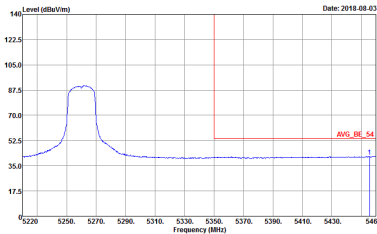


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	Left blank

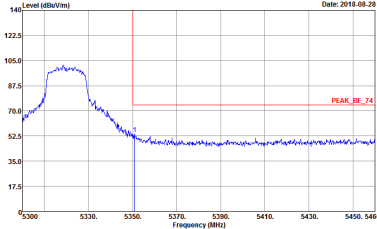
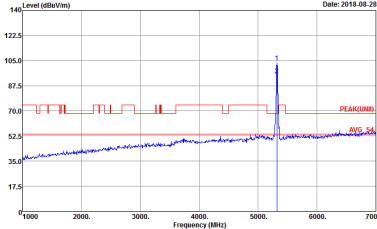
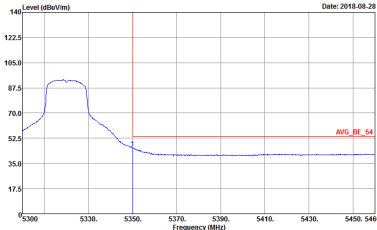


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	Left blank

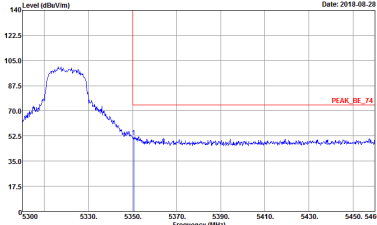
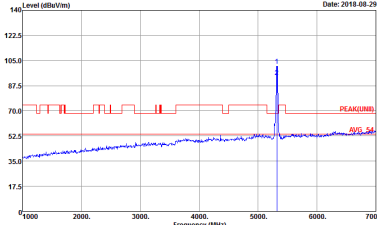
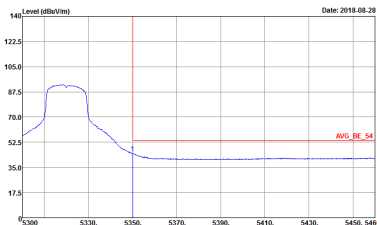


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	Left blank



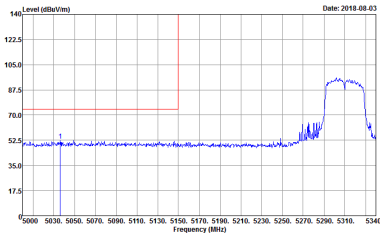
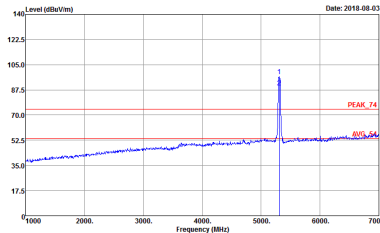
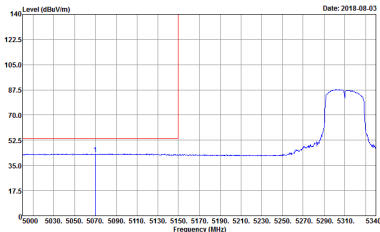
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 10 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 10 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 10 Power : 14.5	Left blank

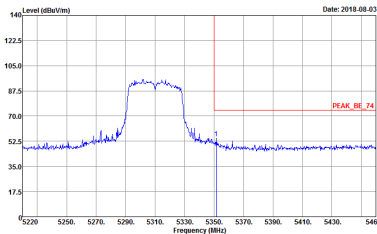
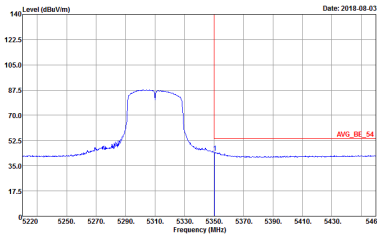


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 10 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 10 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 10 Power : 14.5	Left blank



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

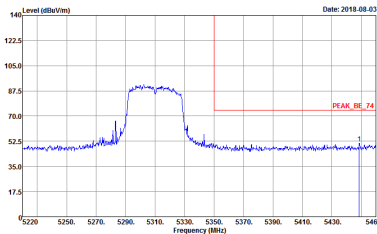
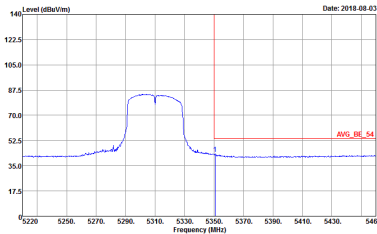
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 12 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 12 Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 12 Power : 10.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 12 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 12 Power : 10.5	Left blank



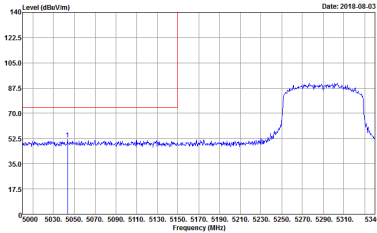
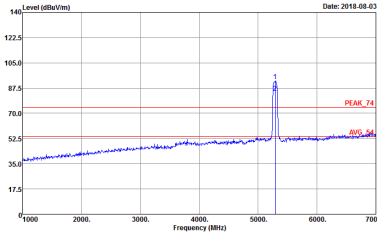
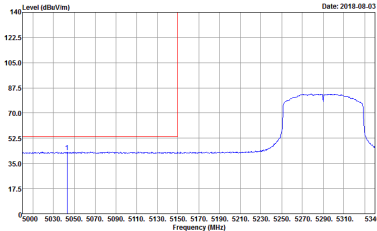
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 12 Power : 10.5	Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 12 Power : 10.5
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 12 Power : 10.5	Left blank



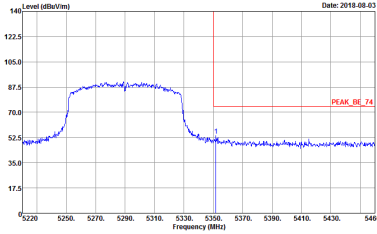
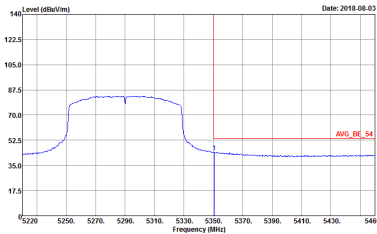
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 12 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 12 Power : 10.5	Left blank



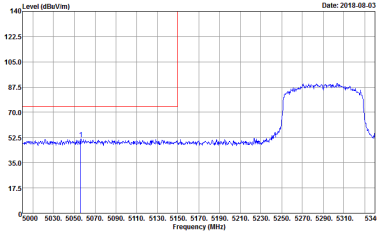
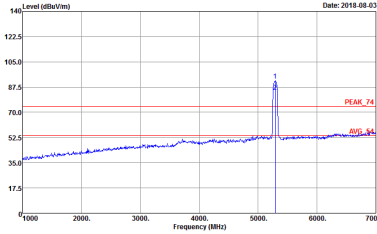
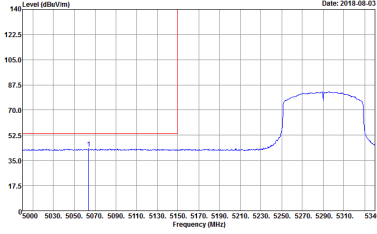
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 13 Power : 9.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 13 Power : 9.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 13 Power : 9.5	Left blank

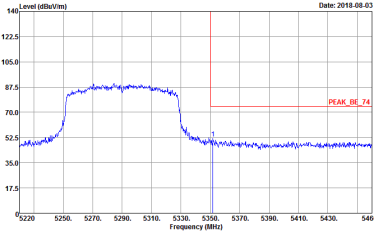
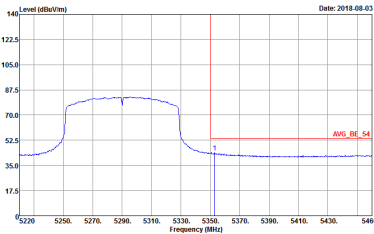


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW: 1000.000KHz VBW: 3000.000KHz SWT: Auto Detector : Peak Project : 862735 Mode : 13 Power : 9.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW: 1000.000KHz VBW: 3000.000KHz SWT: Auto Detector : Peak Project : 862735 Mode : 13 Power : 9.5	Left blank



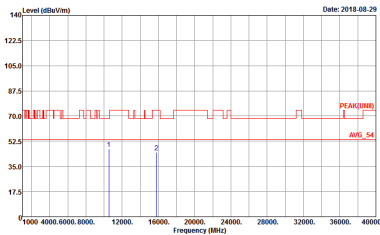
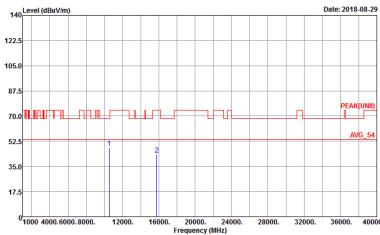
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 13	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 13
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 13	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 13 Power : 9.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 13 Power : 9.5	Left blank

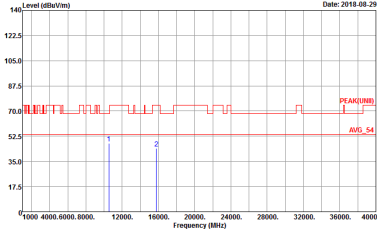
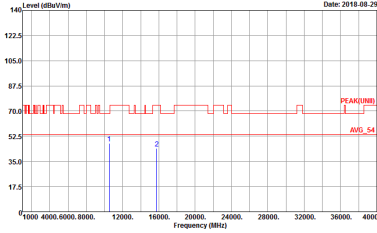


Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-4Y Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 15 Power : 13.5	 Site : 03CH13-4Y Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 15 Power : 13.5

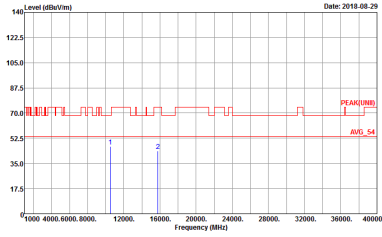
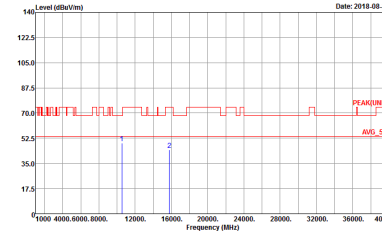


Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UMI) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 7 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UMI) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 7 Power : 13.5

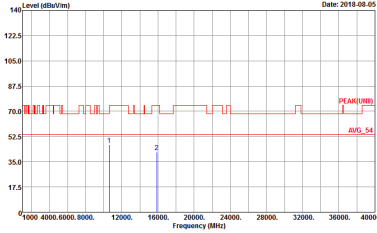
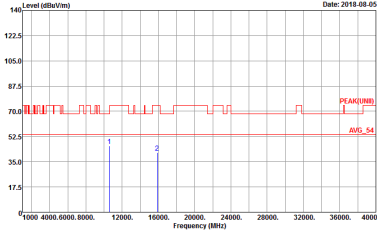


Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 9 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 9 Power : 13.5

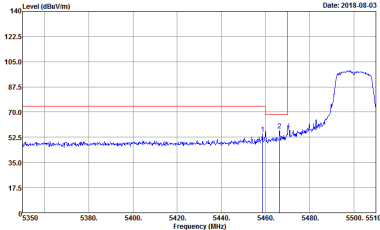
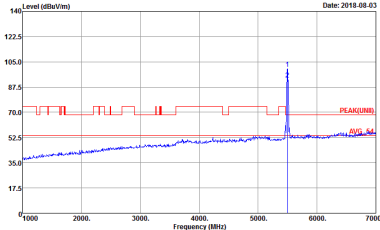
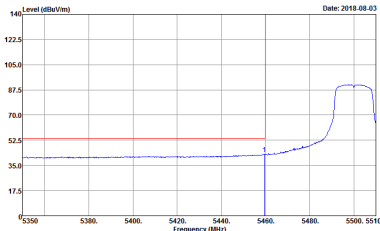


Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

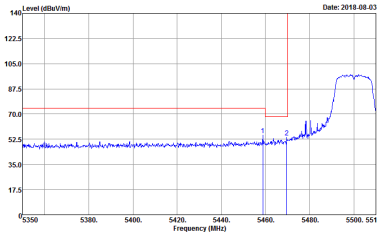
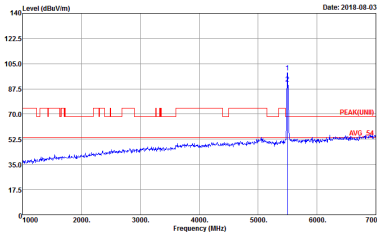
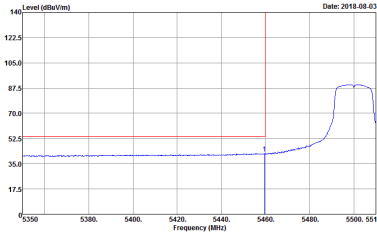
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UM) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 13	 Site : 03CH13-HY Condition : PEAK(UM) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 13



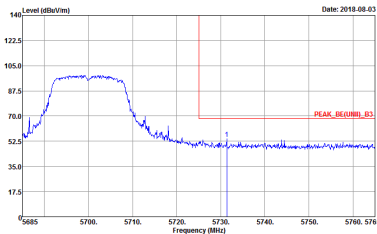
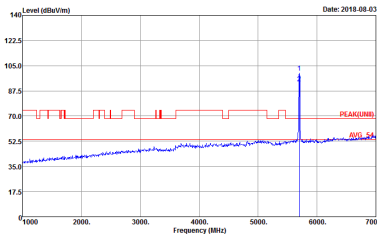
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 14	Left blank

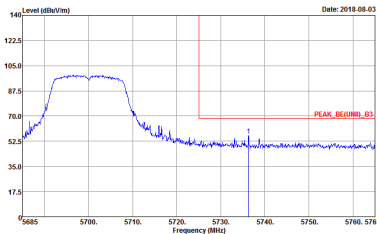
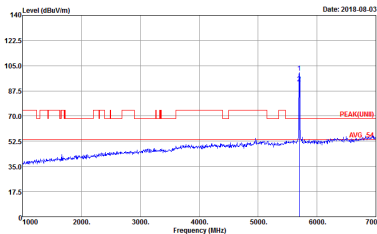


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-03	Left blank



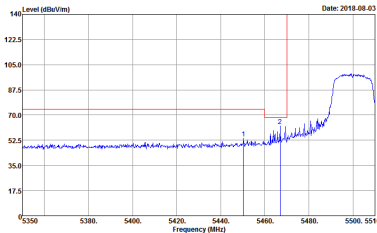
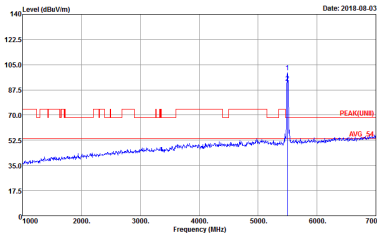
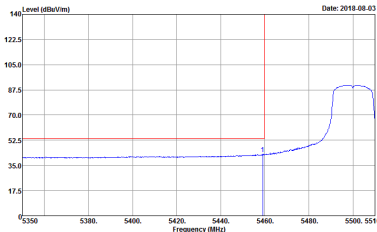
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 16	 Site : 03CH13-HY Condition : PEAK(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 16



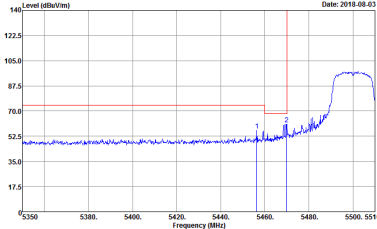
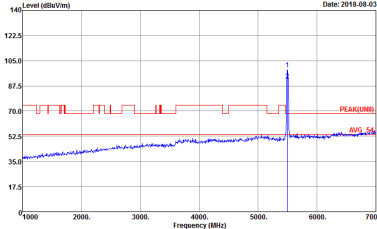
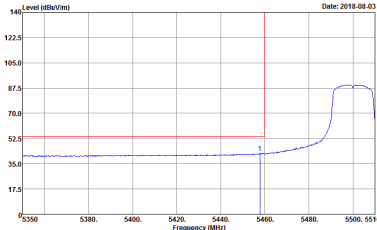
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 16	 Site : 03CH13-HY Condition : PEAK(UNIT1) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 16



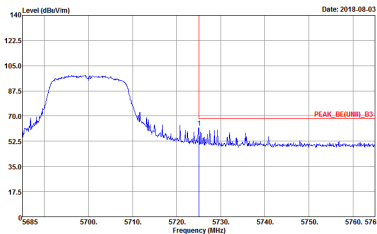
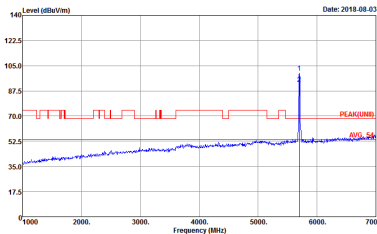
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 1B	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 1B
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 1B	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 18	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 18	Left blank



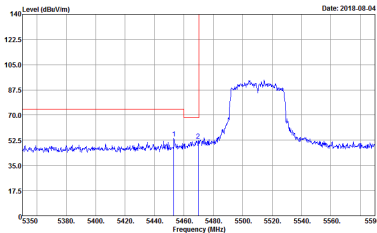
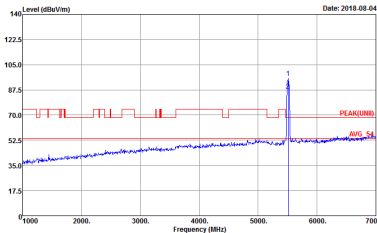
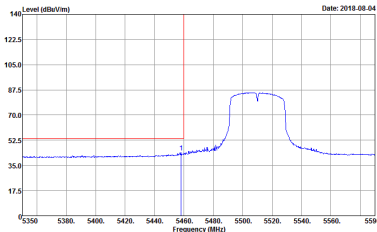
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 20	 Site : 03CH13-HY Condition : PEAK(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 20



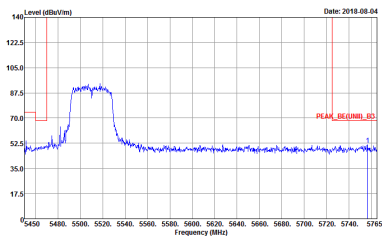
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 20	Site : 03CH13-HY Condition : PEAK(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 20



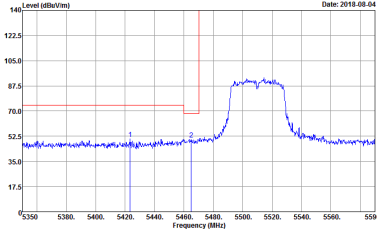
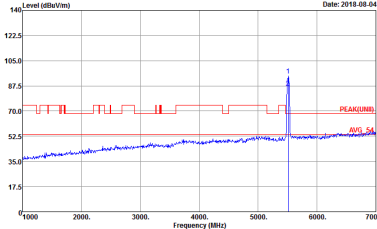
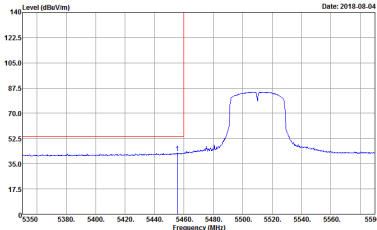
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : Z6	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : Z6
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : Z6	Left blank

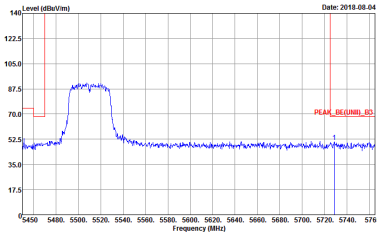


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : Z6	Left blank

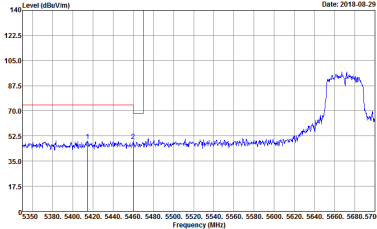
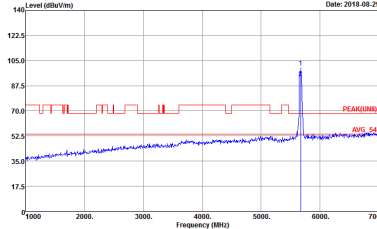
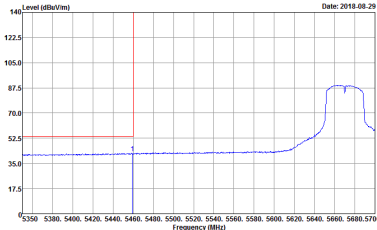


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018.08.04	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018.08.04
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018.08.04	Left blank

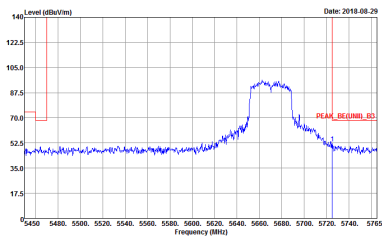


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : Z6	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 14	Left blank

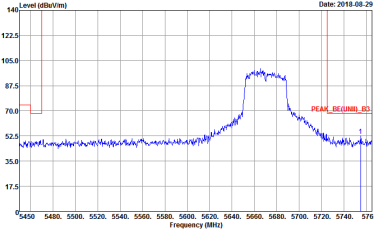


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Power : 862735 Mode : 27 Power : 14	Left blank



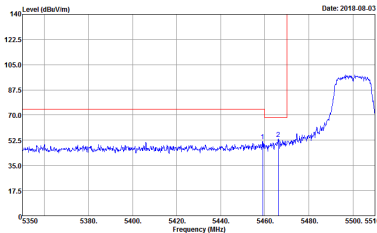
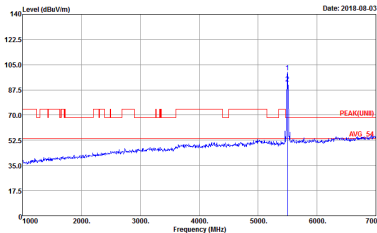
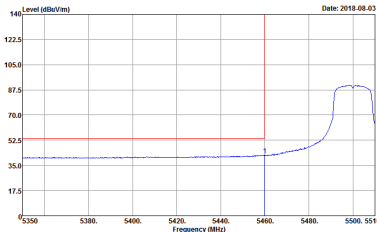
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 27 Power : 14	Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 27 Power : 14
Avg.	Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 27 Power : 14	Left blank



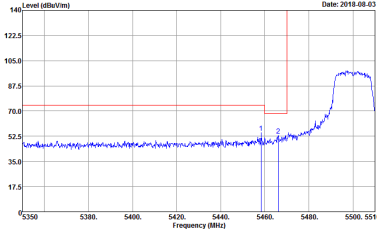
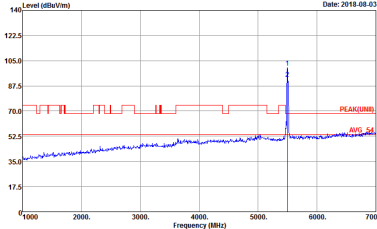
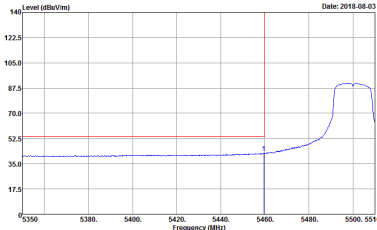
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Power : 27	Left blank



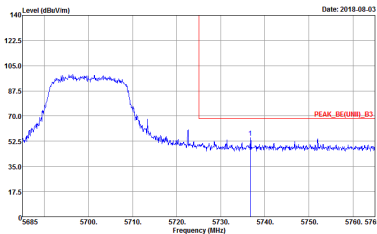
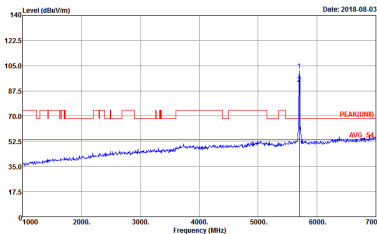
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : ZZ	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : ZZ
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 862735 Mode : ZZ	Left blank

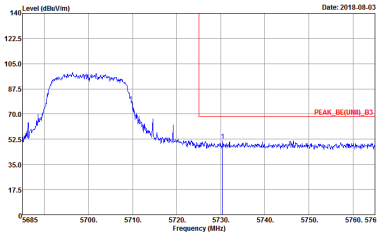
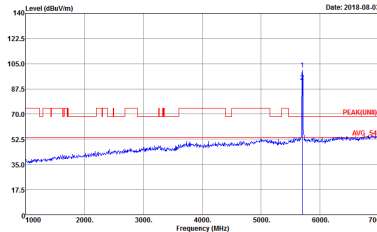


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : ZZ	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : ZZ
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 862735 Mode : ZZ	Left blank



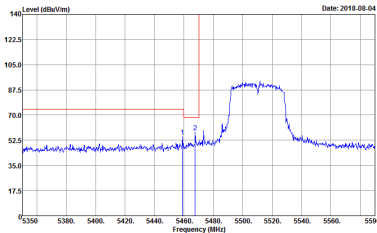
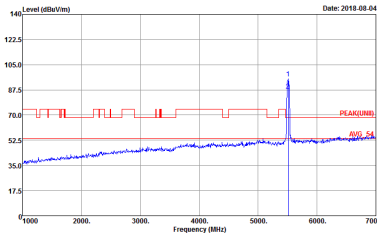
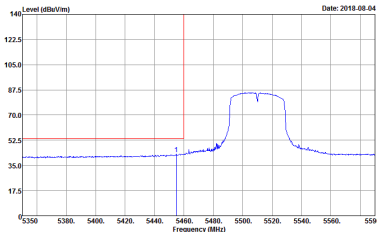
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 24	 Site : 03CH13-HY Condition : PEAK(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 24



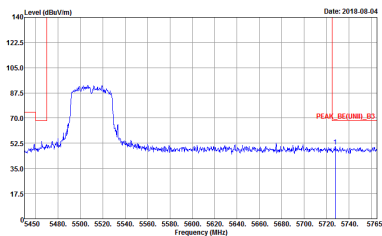
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 24	 Site : 03CH13-HY Condition : PEAK(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 24



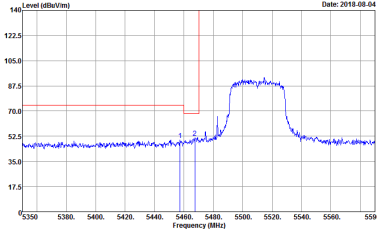
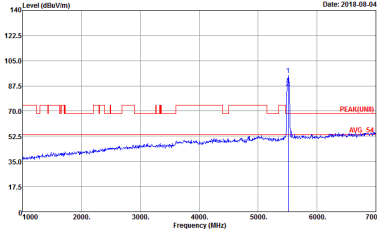
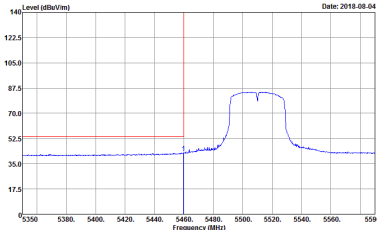
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : Z9	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : Z9
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : Z9	Left blank

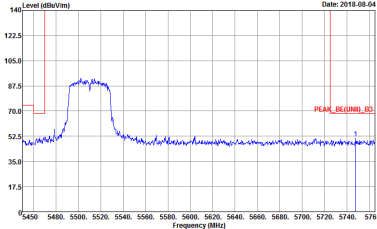


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 862735 Mode : 29	Left blank

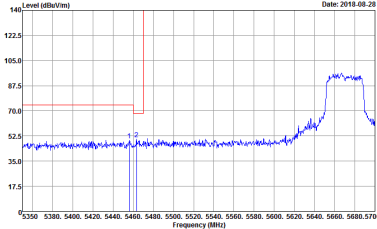
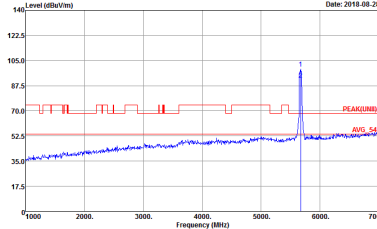
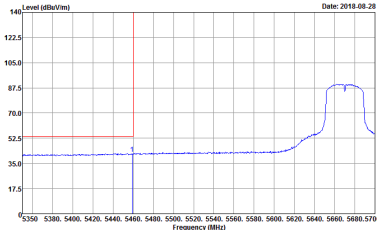


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018.08.04	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018.08.04
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018.08.04	Left blank

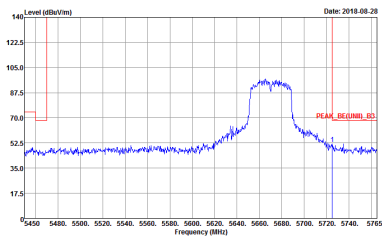


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : Z9	Left blank

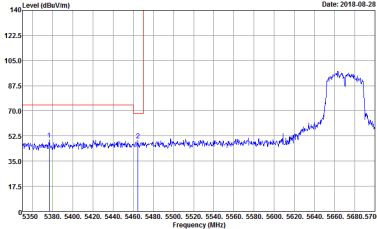
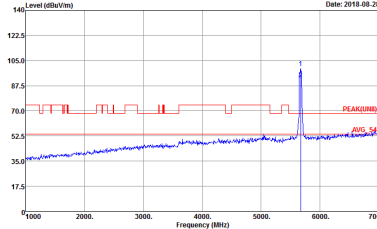
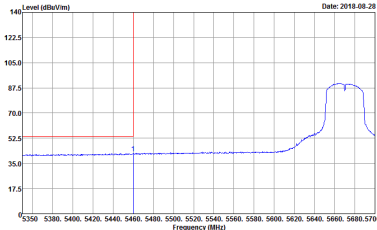


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 30 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 30 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 30 Power : 14	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Power : 862735 Mode : 30 Power : 14	Left blank



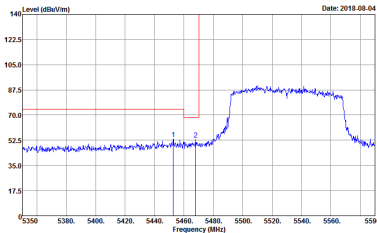
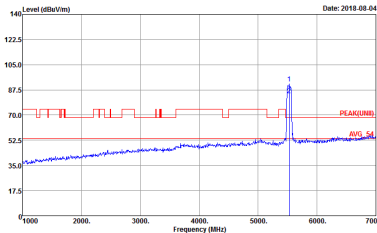
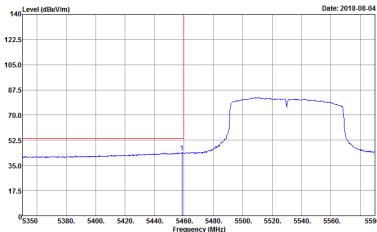
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 30 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 30 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Peak Mode : 30 Power : 14	Left blank



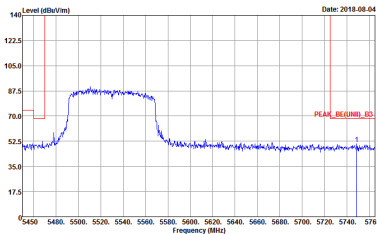
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 30 Power : 14	Left blank



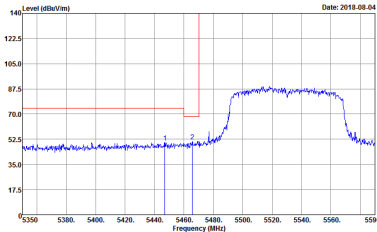
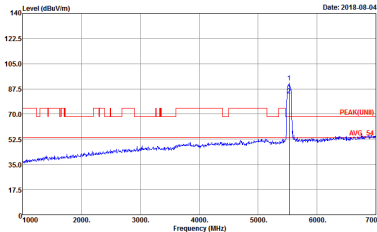
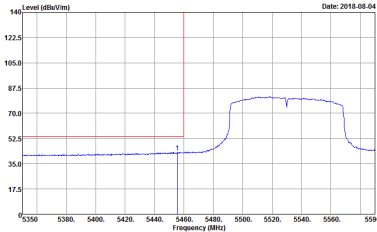
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 32	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 32
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 32	Left blank

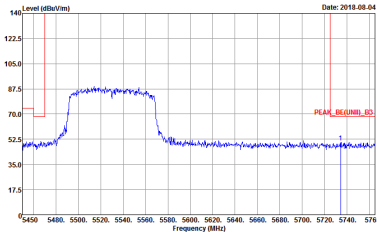


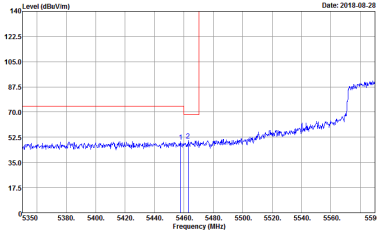
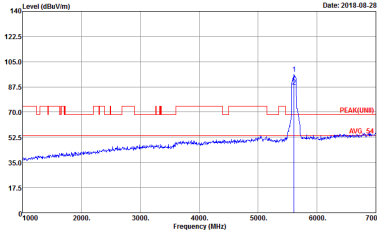
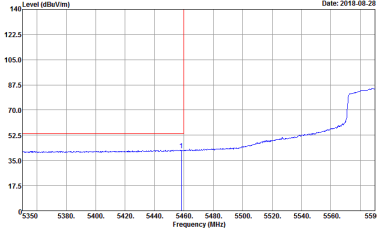
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 32	Left blank



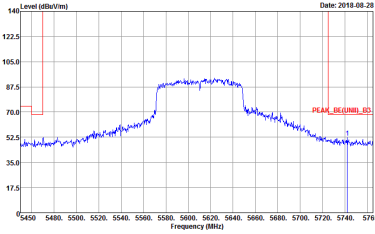
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 32	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 32
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 32	Left blank



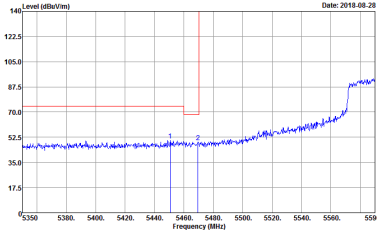
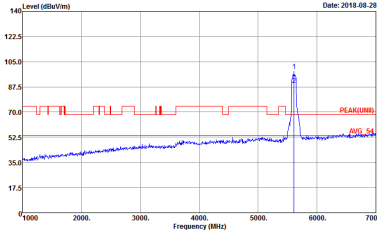
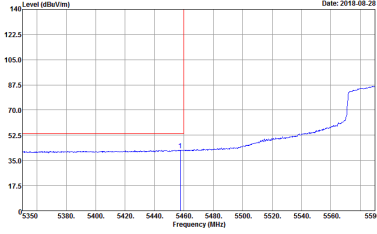
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 32	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 33 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 33 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 33 Power : 15	Left blank

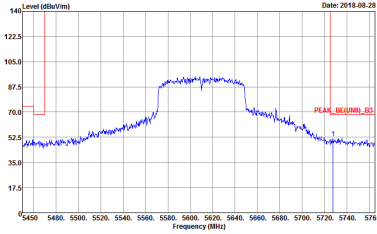


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 862735 Mode : 33 Power : 15	Left blank



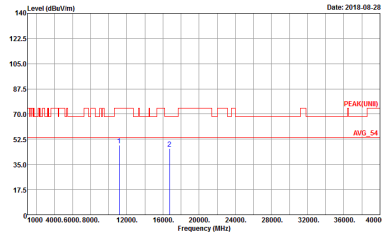
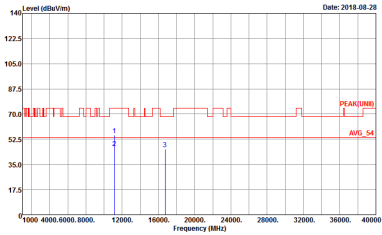
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 33 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 33 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 33 Power : 15	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 862735 Mode : 33 Power : 15	Left blank



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 15 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 15 Power : 14

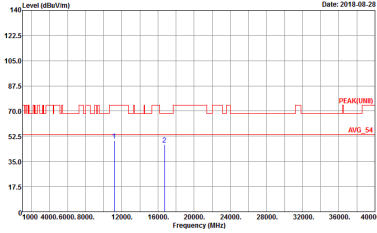
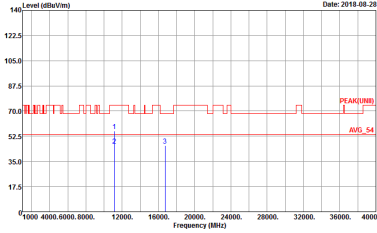


Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 19 Power : 14	Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 19 Power : 14

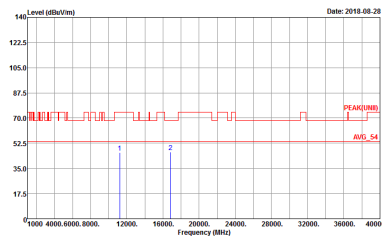
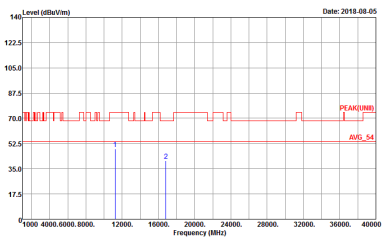


Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UM) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 23 Power : 14	 Site : 03CH13-HY Condition : PEAK(UM) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 23 Power : 14

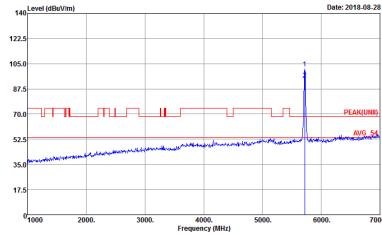
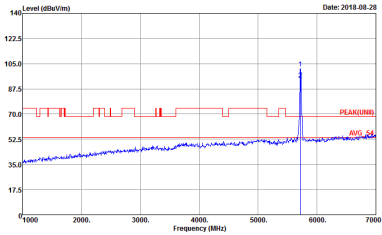


Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 33 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 33

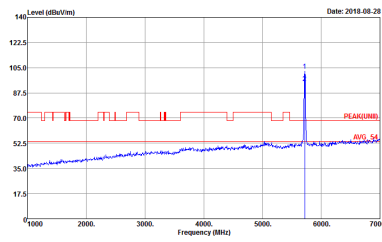
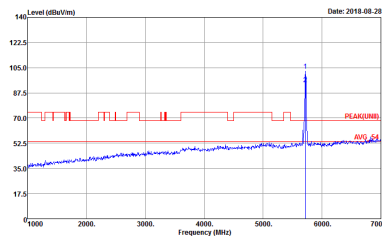


Band 3 - Straddle Channel
WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 17 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 17 Power : 14.5

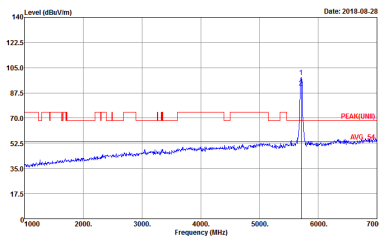
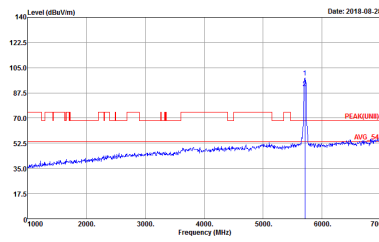


Band 3 – Straddle Channel
WIFI 802.11n HT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 862735 Mode : 21 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 862735 Mode : 21 Power : 14.5

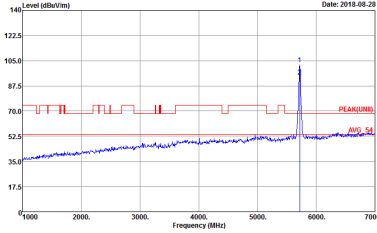
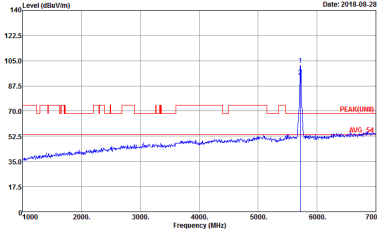


Band 3 – Straddle Channel
WIFI 802.11n HT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 28 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 28 Power : 14

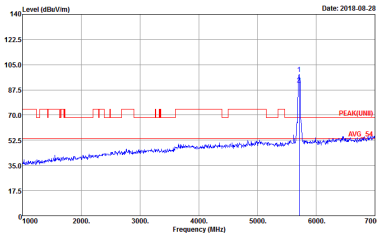
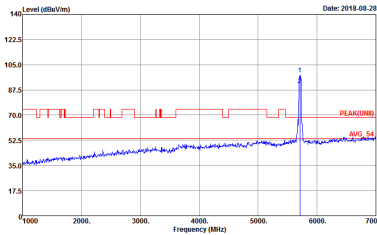


Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 25 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 25 Power : 14.5

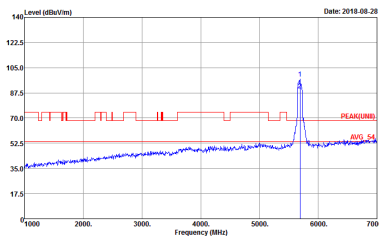
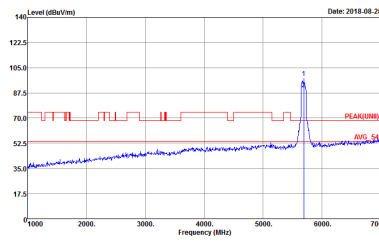


Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 31 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 31 Power : 14

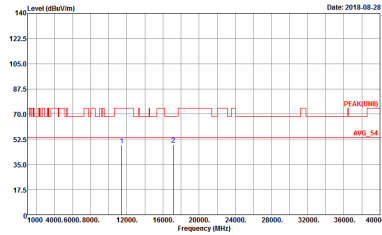
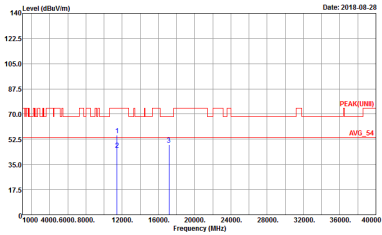


Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 34 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN 91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 34 Power : 15

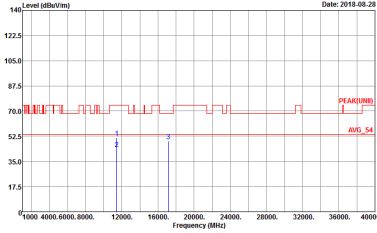
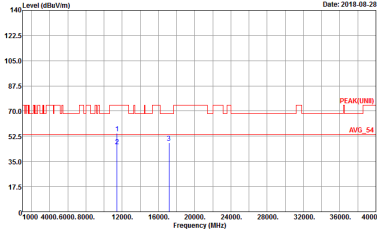


Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 17 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 17 Power : 14.5

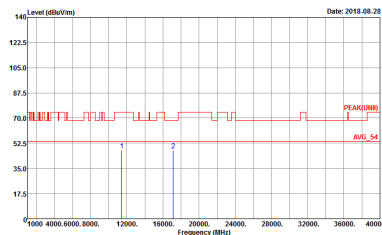
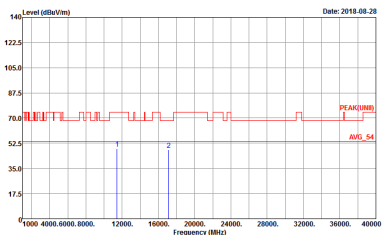


Band 3 – Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UM) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : Z1 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UM) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : Z1 Power : 14.5

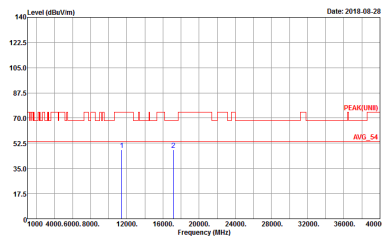
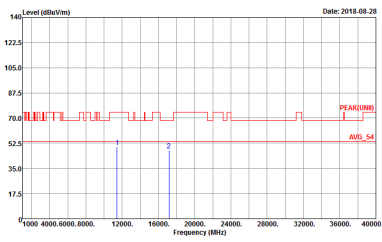


Band 3 – Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 28 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 28 Power : 14

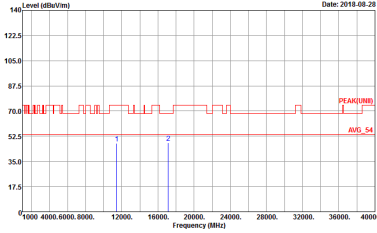
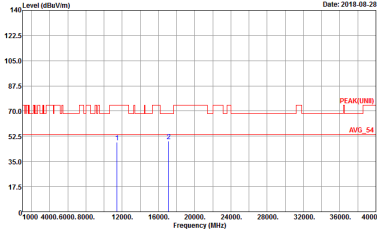


Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 25 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 25 Power : 14.5

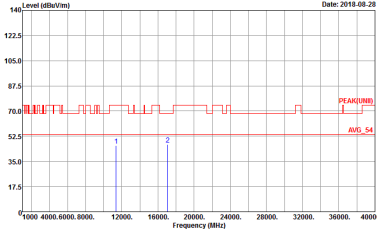
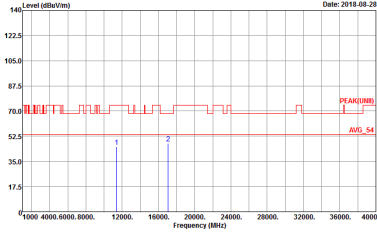


Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 31 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 31 Power : 14

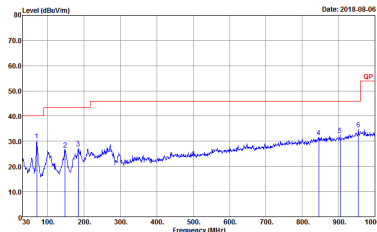
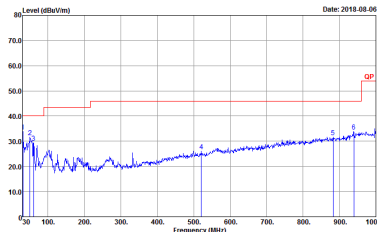


Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 34 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 34 Power : 15



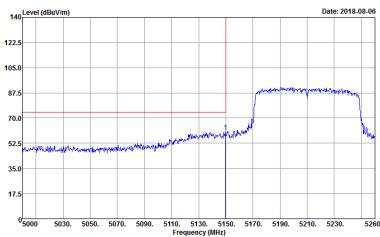
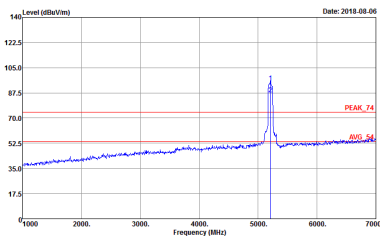
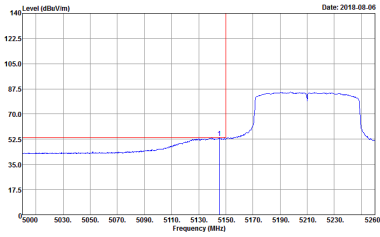
Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HY Condition : QP 3m B1LOG_40103 HORIZONTAL Detector : Peak Project : 862735 Mode : 35	 Site : 03CH13-HY Condition : QP 3m B1LOG_40103 VERTICAL Detector : Peak Project : 862735 Mode : 35

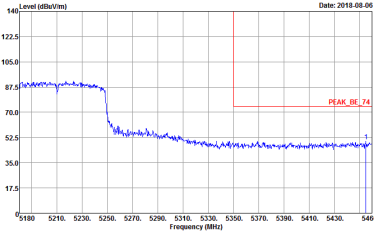
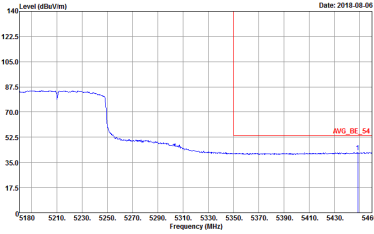


<For Sample 2>

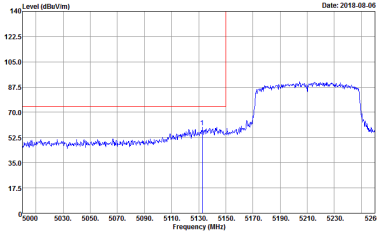
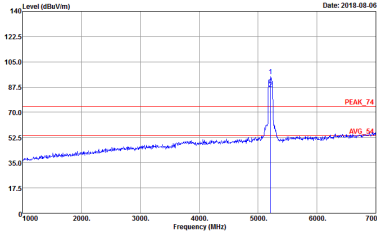
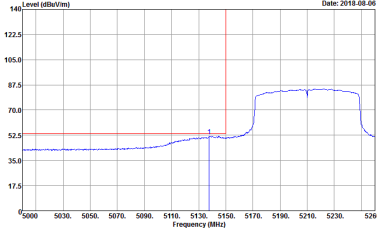
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 51	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 51
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 51	Left blank

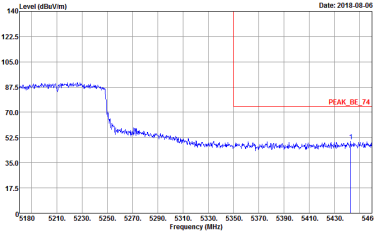
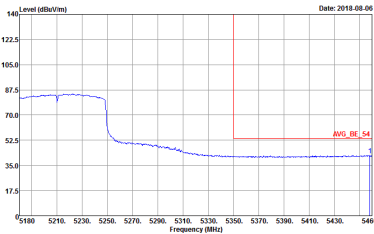


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : S1	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : S1	Left blank



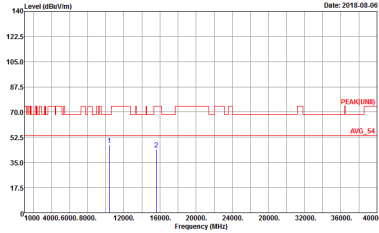
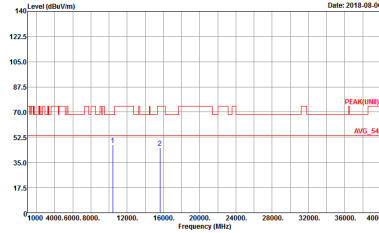
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-06	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-06
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 862735 Date: 2018-08-06	Left blank



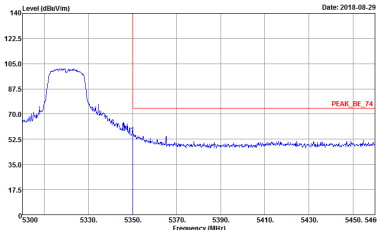
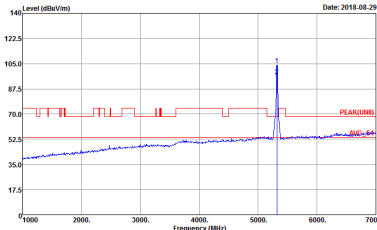
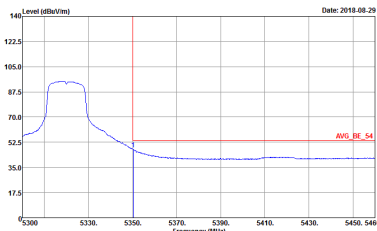
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : S1	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : S1	Left blank

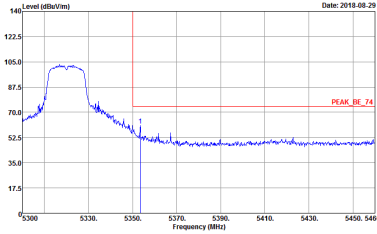
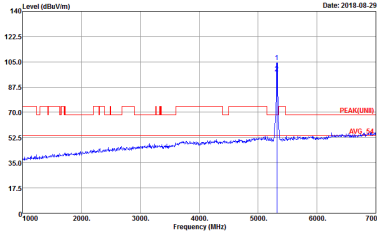
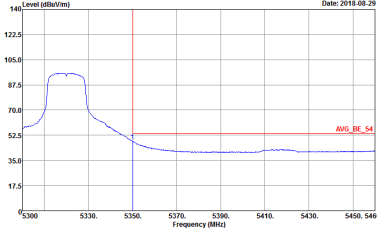


Band 1 - 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 51	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 51

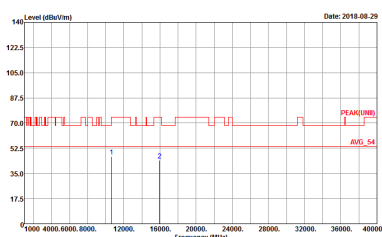
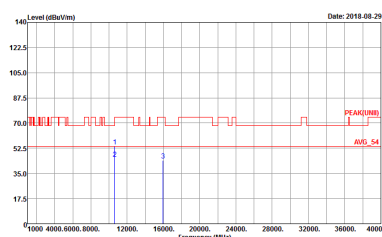
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 52 Power : 14	 Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 52 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 52 Power : 14	Left blank

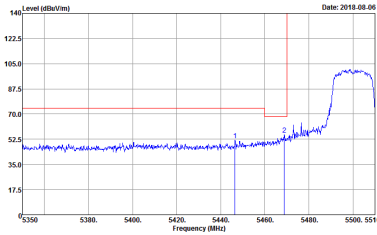
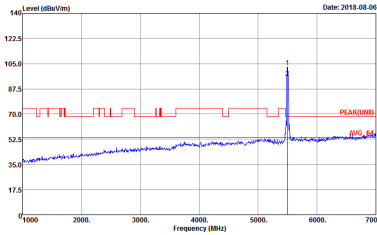
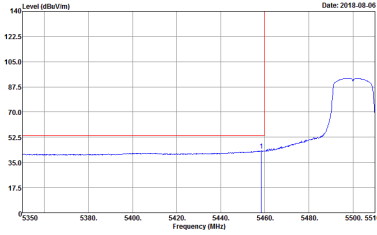
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 52 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 52 Power : 14
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 52 Power : 14	Left blank



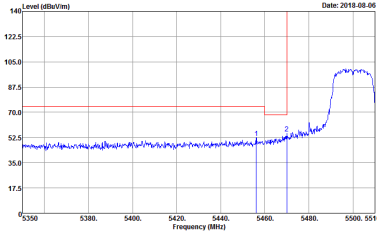
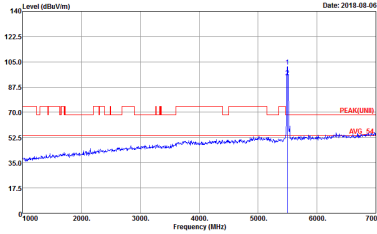
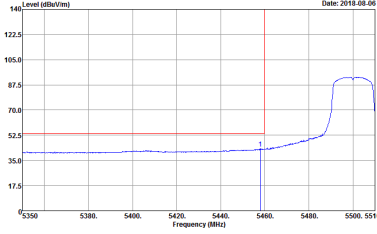
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 52 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 52 Power : 14

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

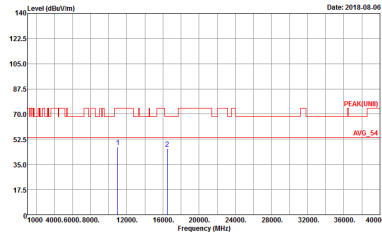
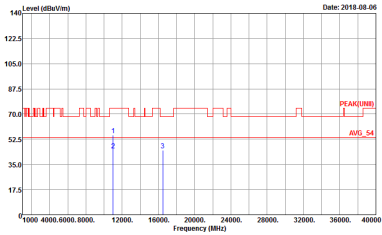
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 862735 Mode : 53	 Site : 03CH13-HY Condition : PEAK(UNIT1) 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 862735 Mode : 53
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT1)_B3 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : 862735 Mode : 53	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 53	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 53
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 862735 Mode : 53	Left blank

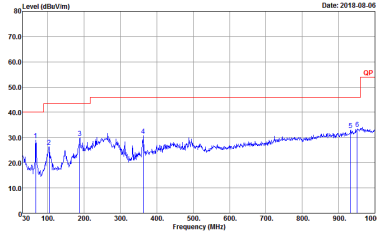
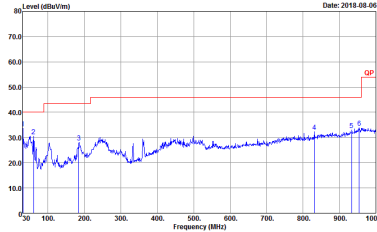


Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 862735 Mode : 53	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 862735 Mode : 53

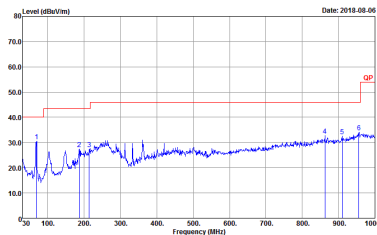
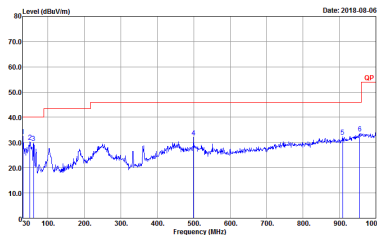


Emission below 1GHz
5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-4V Condition : QP 3m B1LO6_40103 HORIZONTAL Detector : Peak Project : 862735 Mode : 56	 Site : 03CH13-4V Condition : QP 3m B1LO6_40103 VERTICAL Detector : Peak Project : 862735 Mode : 56

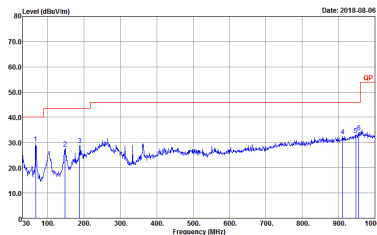
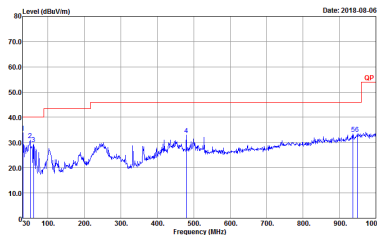


Emission below 1GHz
5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-4V Condition : QP 3m B1LO6_40103 HORIZONTAL Detector : Peak Project : 862735 Mode : 57	 Site : 03CH13-4V Condition : QP 3m B1LO6_40103 VERTICAL Detector : Peak Project : 862735 Mode : 57



Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

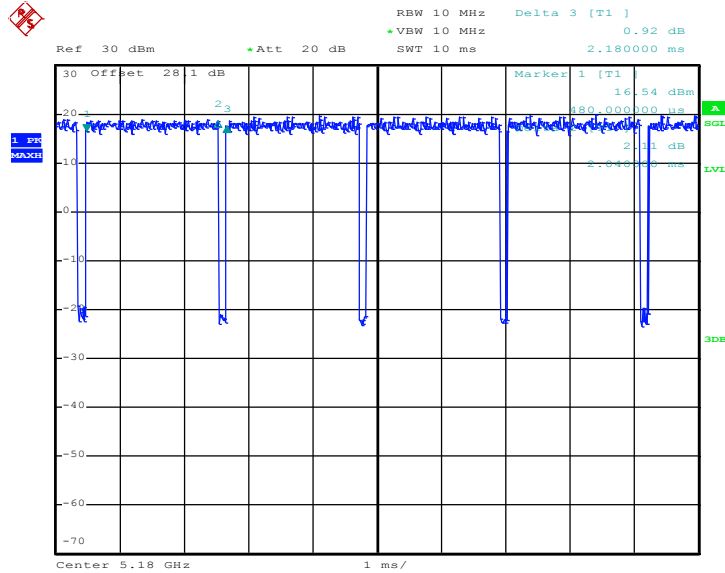
WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-4V Condition : QP 3m B1LO6_40103 HORIZONTAL Detector : Peak Project : 862735 Mode : 55	 Site : 03CH13-4V Condition : QP 3m B1LO6_40103 VERTICAL Detector : Peak Project : 862735 Mode : 55

Appendix D. Duty Cycle Plots

Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor (dB)
802.11a	93.58	2040.00	0.49	1kHz	0.29
5GHz 802.11n HT20	93.63	1910.00	0.52	1kHz	0.29
5GHz 802.11n HT40	89.62	950.00	1.05	3kHz	0.48
5GHz 802.11ac VHT20	94.12	1920.00	0.52	1kHz	0.26
5GHz 802.11ac VHT40	89.72	960.00	1.04	3kHz	0.47
5GHz 802.11ac VHT80	86.90	730.00	1.37	3kHz	0.61

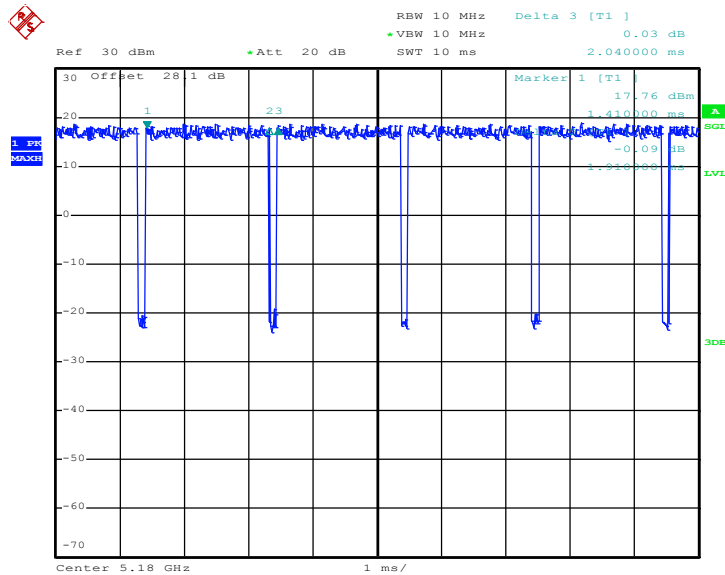


802.11a



Date: 24.JUL.2018 07:23:36

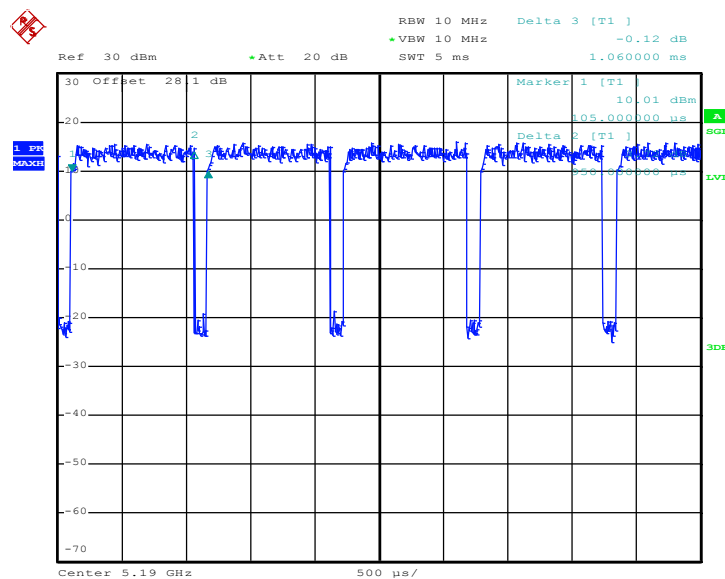
802.11n HT20



Date: 25.JUL.2018 00:02:02

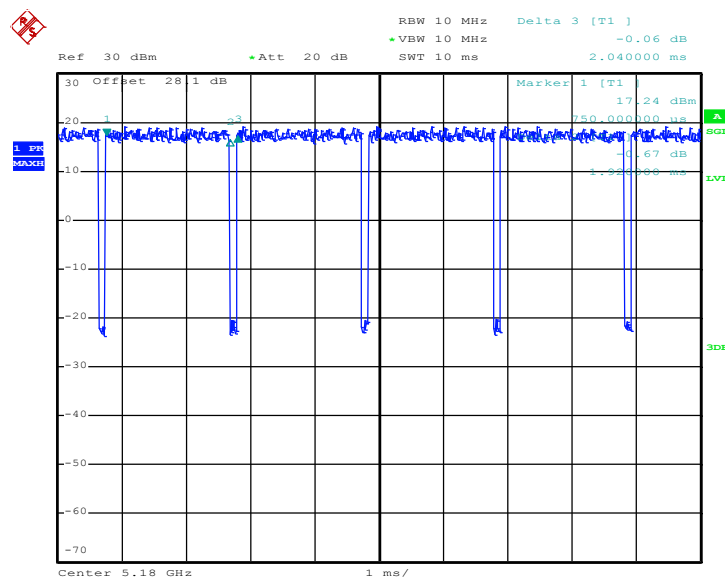


802.11n HT40



Date: 25.JUL.2018 01:22:10

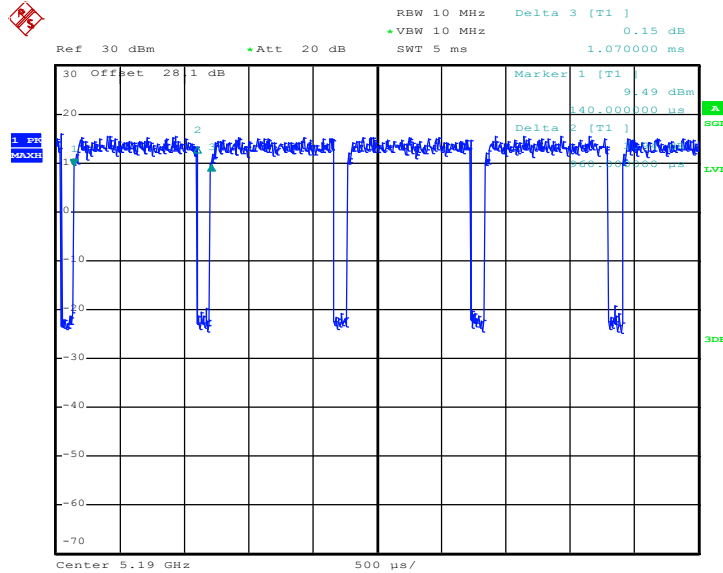
802.11ac VHT20



Date: 25.JUL.2018 01:57:35

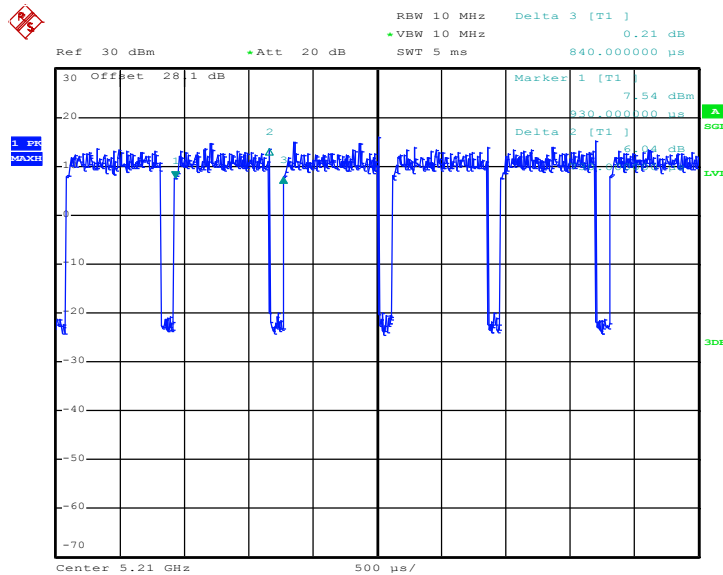


802.11ac VHT40



Date: 25.JUL.2018 02:22:18

802.11ac VHT80



Date: 25.JUL.2018 02:50:01