



FCC RF Test Report

APPLICANT : FUJITSU LIMITED
EQUIPMENT : Tablet PC
BRAND NAME : FUJITSU
MODEL NAME : MQ10A
FCC ID : EJE-WB0105
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

This is a partial report. The product was received on Jan. 16, 2018 and testing was completed on Feb. 03, 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

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



TABLE OF CONTENTS

REVISION HISTORY.....	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer.....	5
1.3 Product Feature of Equipment Under Test.....	5
1.4 Modification of EUT	5
1.5 Testing Location	6
1.6 Applicable Standards.....	6
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	7
2.1 Carrier Frequency and Channel	8
2.2 Test Mode.....	9
2.3 Connection Diagram of Test System.....	10
2.4 EUT Operation Test Setup	10
3 TEST RESULT	11
3.1 Maximum Conducted Output Power Measurement	11
3.2 Unwanted Emissions Measurement	13
3.3 Antenna Requirements.....	18
4 LIST OF MEASURING EQUIPMENT	19
5 UNCERTAINTY OF EVALUATION	20
APPENDIX A. CONDUCTED TEST RESULTS	
APPENDIX B. RADIATED SPURIOUS EMISSION	
APPENDIX C. RADIATED SPURIOUS EMISSION PLOTS	
APPENDIX D. DUTY CYCLE PLOTS	
APPENDIX E. SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR7D0727-01D	Rev. 01	Initial issue of report	Feb. 13, 2018



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	Pass	-
3.2	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass	Under limit 1.06 dB at 30.540 MHz
3.3	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-



1 General Description

1.1 Applicant

FUJITSU LIMITED

1-1, Kamikonadaka 4-chome, Nakahara-ku, Kawasaki, 211-8588 Japan

1.2 Manufacturer

FUJITSU LIMITED

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki, 211-8588 Japan

1.3 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, and 60GHz

Product Specification subjective to this standard	
Integrated WLAN Module	Brand Name: Intel Model Name: 7265D2W
Antenna Type	WLAN: <Ant. 1>: PIFA Antenna <Ant. 2>: PIFA Antenna Bluetooth: PIFA Antenna 60GHz: Integral Antenna

1.4 Modification of EUT

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

1.5 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, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. 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.

1.6 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.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output 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

- a. 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. The worst cases (Y Plane for Ant. 1; Z plane for Ant. 1+2) were recorded in this report.



2.1 Carrier Frequency and Channel

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

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

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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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.

Single Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT80	MCS0

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT80	MCS0

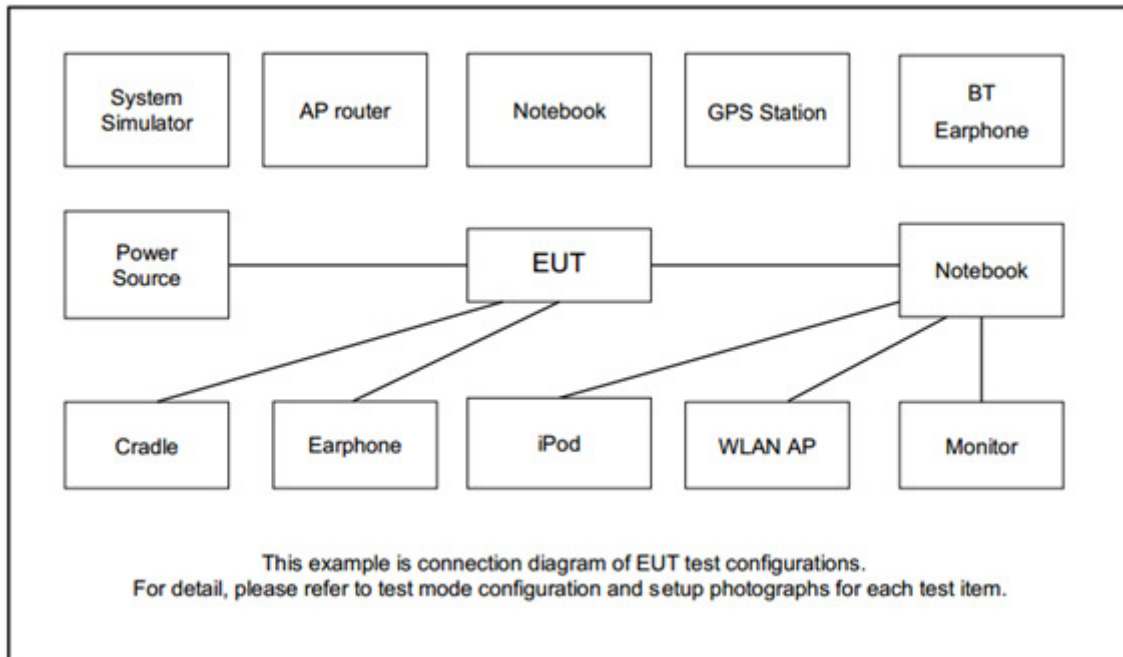
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
H	High	48	-	-

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	-	100
H	High	-	64	-

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
H	High	46	62	-

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

2.3 Connection Diagram of Test System



2.4 EUT Operation Test Setup

The RF test items, utility “DRTU” was installed in EUT 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 mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

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

For Straddle Channel, 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

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

3.1.3 Test Procedures

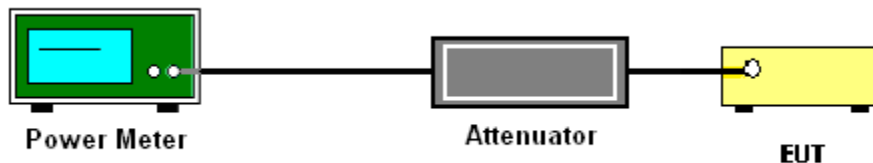
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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

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

(3) KDB789033 D02 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

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



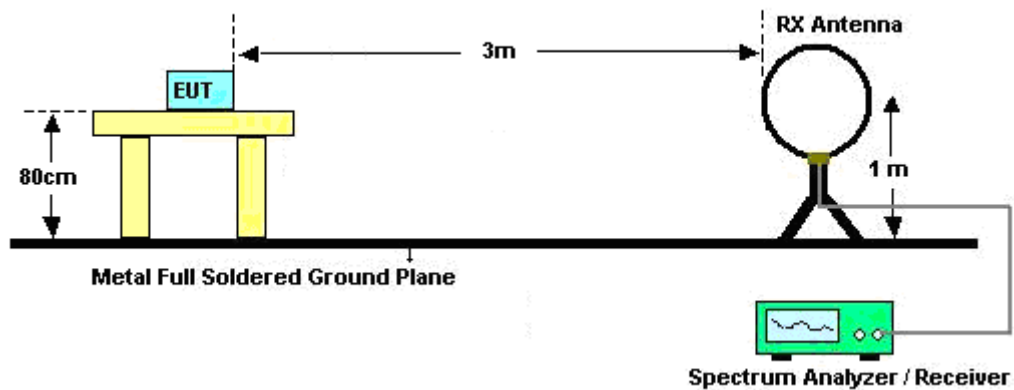
3.2.3 Test Procedures

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 $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.

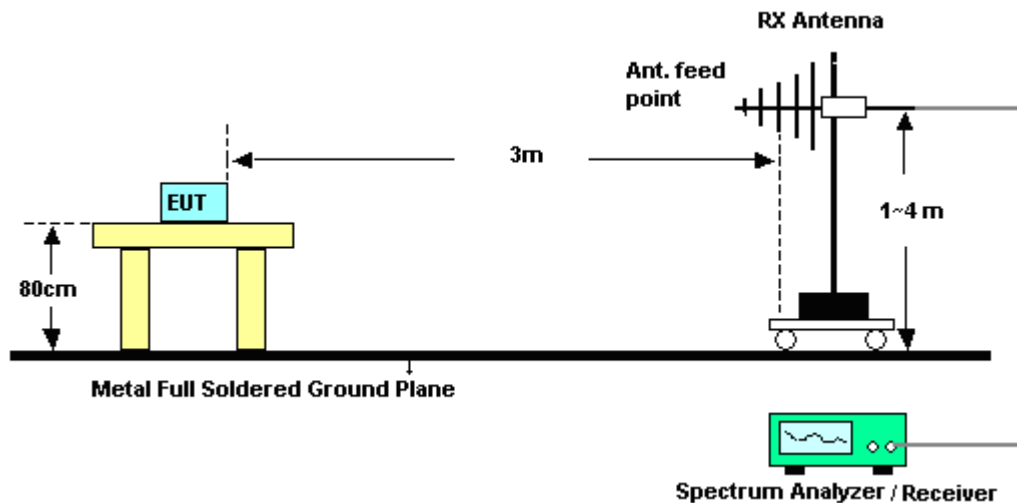
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.2.4 Test Setup

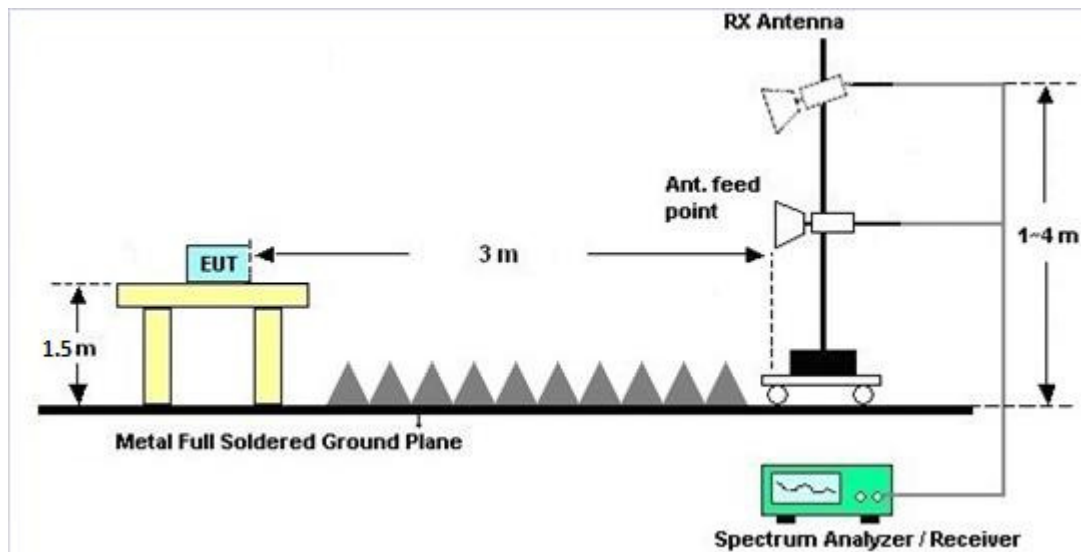
For radiated emissions below 30MHz



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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain = $10 \log(\text{NANT}/\text{NSS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>				
			DG for Power	Power Limit Reduction
	Ant. 1 (dBi)	Ant. 2 (dBi)	(dBi)	(dB)
Band I	0.77	0.14	0.77	0.00
Band II	1.45	0.38	1.45	0.00
Band III	1.92	0.28	1.92	0.00

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

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 26, 2017	Jan. 24, 2018~ Feb. 02, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 26, 2017	Jan. 24, 2018~ Feb. 02, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Jan. 24, 2018~ Feb. 02, 2018	Nov. 12, 2018	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Nov. 10, 2017	Jan. 27, 2018 ~ Feb. 03, 2018	Nov. 09, 2019	Radiation (03CH13-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Jan. 27, 2018 ~ Feb. 03, 2018	Jul. 17, 2018	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY5542017 0	N/A	Mar. 03, 2017	Jan. 27, 2018 ~ Feb. 03, 2018	Mar. 02, 2018	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 21, 2016	Jan. 27, 2018 ~ Feb. 03, 2018	Dec. 20, 2018	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&0080 0N1D01N-06	40103&07	30MHz to 1GHz	Jan. 10, 2018	Jan. 27, 2018 ~ Feb. 03, 2018	Jan. 09, 2019	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jun. 15, 2017	Jan. 27, 2018 ~ Feb. 03, 2018	Jun. 14, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-001 01800-30-10 P	1590074	1GHz~18GHz	May 22, 2017	Jan. 27, 2018 ~ Feb. 03, 2018	May 21, 2018	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY5537052 6	10Hz~44GHz	Mar. 15, 2017	Jan. 27, 2018 ~ Feb. 03, 2018	Mar. 14, 2018	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500 -B	N/A	1m~4m	N/A	Jan. 27, 2018 ~ Feb. 03, 2018	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jan. 27, 2018 ~ Feb. 03, 2018	N/A	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY5327026 4	1GHz ~ 26.5GHz	Dec. 05, 2017	Jan. 27, 2018 ~ Feb. 03, 2018	Dec. 04, 2018	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
--	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4
--	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3
--	-----

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu/White Lin	Temperature:	21~25	°C
Test Date:	2018/1/24~2018/2/2	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	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.07	0.13	12.49	12.47		21.00	21.00	0.77	0.14	Pass
11a	6Mbps	1	44	5220	0.07	0.13	13.45	13.41		21.00	21.00	0.77	0.14	Pass
11a	6Mbps	1	48	5240	0.07	0.13	13.44	13.38		21.00	21.00	0.77	0.14	Pass
HT20	MCS0	1	36	5180	0.07	0.07	12.46	12.44		21.00	21.00	0.77	0.14	Pass
HT20	MCS0	1	44	5220	0.07	0.07	13.44	13.42		21.00	21.00	0.77	0.14	Pass
HT20	MCS0	1	48	5240	0.07	0.07	13.42	13.40		21.00	21.00	0.77	0.14	Pass
HT40	MCS0	1	38	5190	0.15	0.15	10.25	11.95		21.00	21.00	0.77	0.14	Pass
HT40	MCS0	1	46	5230	0.15	0.15	13.47	13.45		21.00	21.00	0.77	0.14	Pass
VHT20	MCS0	1	36	5180	0.11	0.07	12.41	12.42		21.00	21.00	0.77	0.14	Pass
VHT20	MCS0	1	44	5220	0.11	0.07	13.40	13.38		21.00	21.00	0.77	0.14	Pass
VHT20	MCS0	1	48	5240	0.11	0.07	13.41	13.37		21.00	21.00	0.77	0.14	Pass
VHT40	MCS0	1	38	5190	0.14	0.14	10.22	11.93		21.00	21.00	0.77	0.14	Pass
VHT40	MCS0	1	46	5230	0.14	0.14	13.44	13.43		21.00	21.00	0.77	0.14	Pass
VHT80	MCS0	1	42	5210	0.31	0.31	10.92	10.88		21.00	21.00	0.77	0.14	Pass
HT20	MCS0	2	36	5180	0.11	0.07	9.26	10.47	12.92	21.00		0.77		Pass
HT20	MCS0	2	44	5220	0.11	0.07	10.21	9.57	12.91	21.00		0.77		Pass
HT20	MCS0	2	48	5240	0.11	0.07	10.20	9.53	12.89	21.00		0.77		Pass
HT40	MCS0	2	38	5190	0.15	0.15	8.56	8.19	11.39	21.00		0.77		Pass
HT40	MCS0	2	46	5230	0.15	0.15	11.63	11.26	14.46	21.00		0.77		Pass
VHT20	MCS0	2	36	5180	0.14	0.14	9.24	10.46	12.90	21.00		0.77		Pass
VHT20	MCS0	2	44	5220	0.14	0.14	10.12	9.54	12.85	21.00		0.77		Pass
VHT20	MCS0	2	48	5240	0.14	0.14	10.19	9.52	12.88	21.00		0.77		Pass
VHT40	MCS0	2	38	5190	0.27	0.24	8.48	8.25	11.38	21.00		0.77		Pass
VHT40	MCS0	2	46	5230	0.27	0.24	11.52	11.32	14.43	21.00		0.77		Pass
VHT80	MCS0	2	42	5210	0.49	0.49	9.68	9.62	12.66	21.00		0.77		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	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.07	0.13	13.12	13.07		23.98	23.98	1.45	0.38	26.99	Pass
11a	6Mbps	1	60	5300	0.07	0.13	13.08	13.04		23.98	23.98	1.45	0.38	26.99	Pass
11a	6Mbps	1	64	5320	0.07	0.13	11.93	11.87		23.98	23.98	1.45	0.38	26.99	Pass
HT20	MCS0	1	52	5260	0.07	0.07	13.10	13.09		23.98	23.98	1.45	0.38	26.99	Pass
HT20	MCS0	1	60	5300	0.07	0.07	13.07	13.06		23.98	23.98	1.45	0.38	26.99	Pass
HT20	MCS0	1	64	5320	0.07	0.07	11.91	11.89		23.98	23.98	1.45	0.38	26.99	Pass
HT40	MCS0	1	54	5270	0.15	0.15	13.49	13.18		23.98	23.98	1.45	0.38	26.99	Pass
HT40	MCS0	1	62	5310	0.15	0.15	11.98	11.95		23.98	23.98	1.45	0.38	26.99	Pass
VHT20	MCS0	1	52	5260	0.11	0.07	13.09	13.06		23.98	23.98	1.45	0.38	26.99	Pass
VHT20	MCS0	1	60	5300	0.11	0.07	13.06	13.02		23.98	23.98	1.45	0.38	26.99	Pass
VHT20	MCS0	1	64	5320	0.11	0.07	11.90	11.87		23.98	23.98	1.45	0.38	26.99	Pass
VHT40	MCS0	1	54	5270	0.14	0.14	13.47	13.16		23.98	23.98	1.45	0.38	26.99	Pass
VHT40	MCS0	1	62	5310	0.14	0.14	11.95	11.93		23.98	23.98	1.45	0.38	26.99	Pass
VHT80	MCS0	1	58	5290	0.31	0.31	11.88	11.86		23.98	23.98	1.45	0.38	26.99	Pass
HT20	MCS0	2	52	5260	0.11	0.07	11.11	11.77	14.46	23.98		1.45		26.99	Pass
HT20	MCS0	2	60	5300	0.11	0.07	11.44	11.47	14.47	23.98		1.45		26.99	Pass
HT20	MCS0	2	64	5320	0.11	0.07	9.94	9.99	12.98	23.98		1.45		26.99	Pass
HT40	MCS0	2	54	5270	0.15	0.15	11.49	11.44	14.47	23.98		1.45		26.99	Pass
HT40	MCS0	2	62	5310	0.15	0.15	9.99	9.93	12.97	23.98		1.45		26.99	Pass
VHT20	MCS0	2	52	5260	0.14	0.14	11.12	11.74	14.45	23.98		1.45		26.99	Pass
VHT20	MCS0	2	60	5300	0.14	0.14	11.42	11.44	14.44	23.98		1.45		26.99	Pass
VHT20	MCS0	2	64	5320	0.14	0.14	9.94	9.99	12.97	23.98		1.45		26.99	Pass
VHT40	MCS0	2	54	5270	0.27	0.24	11.39	11.48	14.45	23.98		1.45		26.99	Pass
VHT40	MCS0	2	62	5310	0.27	0.24	9.90	9.95	12.94	23.98		1.45		26.99	Pass
VHT80	MCS0	2	58	5290	0.49	0.49	9.72	9.57	12.65	23.98		1.45		26.99	Pass

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	N _{TX}	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	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.07	0.13	11.89	11.85		23.98	23.98	1.92	0.28	26.99	Pass
11a	6Mbps	1	116	5580	0.07	0.13	13.41	13.36		23.98	23.98	1.92	0.28	26.99	Pass
11a	6Mbps	1	140	5700	0.07	0.13	11.35	11.30		23.98	23.98	1.92	0.28	26.99	Pass
11a	6Mbps	1	144	5720	0.07	0.13	13.42	13.40		23.98	23.98	1.92	0.28	26.99	Pass
HT20	MCS0	1	100	5500	0.07	0.07	11.88	11.85		23.98	23.98	1.92	0.28	26.99	Pass
HT20	MCS0	1	116	5580	0.07	0.07	13.39	13.34		23.98	23.98	1.92	0.28	26.99	Pass
HT20	MCS0	1	140	5700	0.07	0.07	11.34	11.31		23.98	23.98	1.92	0.28	26.99	Pass
HT20	MCS0	1	144	5720	0.07	0.07	13.40	13.36		23.98	23.98	1.92	0.28	26.99	Pass
HT40	MCS0	1	102	5510	0.15	0.15	11.65	12.37		23.98	23.98	1.92	0.28	26.99	Pass
HT40	MCS0	1	110	5550	0.15	0.15	13.47	13.18		23.98	23.98	1.92	0.28	26.99	Pass
HT40	MCS0	1	134	5670	0.15	0.15	13.13	13.11		23.98	23.98	1.92	0.28	26.99	Pass
HT40	MCS0	1	142	5710	0.15	0.15	13.05	13.10		23.98	23.98	1.92	0.28	26.99	Pass
VHT20	MCS0	1	100	5500	0.11	0.07	11.81	11.79		23.98	23.98	1.92	0.28	26.99	Pass
VHT20	MCS0	1	116	5580	0.11	0.07	13.38	13.31		23.98	23.98	1.92	0.28	26.99	Pass
VHT20	MCS0	1	140	5700	0.11	0.07	11.28	11.27		23.98	23.98	1.92	0.28	26.99	Pass
VHT20	MCS0	1	144	5720	0.11	0.07	13.36	13.32		23.98	23.98	1.92	0.28	26.99	Pass
VHT40	MCS0	1	102	5510	0.14	0.14	11.61	12.36		23.98	23.98	1.92	0.28	26.99	Pass
VHT40	MCS0	1	110	5550	0.14	0.14	13.44	13.16		23.98	23.98	1.92	0.28	26.99	Pass
VHT40	MCS0	1	134	5670	0.14	0.14	13.11	13.09		23.98	23.98	1.92	0.28	26.99	Pass
VHT40	MCS0	1	142	5710	0.14	0.14	13.02	13.08		23.98	23.98	1.92	0.28	26.99	Pass
VHT80	MCS0	1	106	5530	0.31	0.31	11.95	11.93		23.98	23.98	1.92	0.28	26.99	Pass
VHT80	MCS0	1	122	5610	0.31	0.31	13.46	13.40		23.98	23.98	1.92	0.28	26.99	Pass
VHT80	MCS0	1	138	5690	0.31	0.31	13.26	13.22		23.98	23.98	1.92	0.28	26.99	Pass
HT20	MCS0	2	100	5500	0.11	0.07	8.94	8.99	11.98	23.98		1.92		26.99	Pass
HT20	MCS0	2	116	5580	0.11	0.07	12.02	11.82	14.93	23.98		1.92		26.99	Pass
HT20	MCS0	2	140	5700	0.11	0.07	8.96	9.72	12.37	23.98		1.92		26.99	Pass
HT20	MCS0	2	144	5720	0.11	0.07	11.88	11.97	14.94	23.98		1.92		26.99	Pass
HT40	MCS0	2	102	5510	0.15	0.15	9.98	9.92	12.96	23.98		1.92		26.99	Pass
HT40	MCS0	2	110	5550	0.15	0.15	11.74	11.52	14.64	23.98		1.92		26.99	Pass
HT40	MCS0	2	134	5670	0.15	0.15	11.79	11.73	14.77	23.98		1.92		26.99	Pass
HT40	MCS0	2	142	5710	0.15	0.15	12.17	12.04	15.11	23.98		1.92		26.99	Pass
VHT20	MCS0	2	100	5500	0.14	0.14	8.94	8.99	11.97	23.98		1.92		26.99	Pass
VHT20	MCS0	2	116	5580	0.14	0.14	11.97	11.84	14.92	23.98		1.92		26.99	Pass
VHT20	MCS0	2	140	5700	0.14	0.14	8.95	9.71	12.36	23.98		1.92		26.99	Pass
VHT20	MCS0	2	144	5720	0.14	0.14	11.84	11.99	14.93	23.98		1.92		26.99	Pass
VHT40	MCS0	2	102	5510	0.27	0.24	9.88	9.96	12.93	23.98		1.92		26.99	Pass
VHT40	MCS0	2	110	5550	0.27	0.24	11.61	11.53	14.58	23.98		1.92		26.99	Pass
VHT40	MCS0	2	134	5670	0.27	0.24	11.73	11.76	14.76	23.98		1.92		26.99	Pass
VHT40	MCS0	2	142	5710	0.27	0.24	12.10	12.08	15.10	23.98		1.92		26.99	Pass
VHT80	MCS0	2	106	5530	0.49	0.49	9.65	9.60	12.63	23.98		1.92		26.99	Pass
VHT80	MCS0	2	122	5610	0.49	0.49	11.87	11.75	14.82	23.98		1.92		26.99	Pass
VHT80	MCS0	2	138	5690	0.49	0.49	12.34	12.23	15.29	23.98		1.92		26.99	Pass



Appendix B. Radiated Spurious Emission

Test Engineer :	Alex Jheng, Bill Chang, and Wilson Wu	Temperature :	24.7~25.2°C
		Relative Humidity :	48~52%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable 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)
802.11a CH 48 5240MHz		5149.24	52.8	-21.2	74	42.85	31.98	7.35	29.38	313	183	P	H
		5129.22	41.59	-12.41	54	31.67	31.96	7.34	29.38	313	183	A	H
	*	5240	102.11	-	-	92.02	32.08	7.4	29.39	313	183	P	H
	*	5240	94.17	-	-	84.08	32.08	7.4	29.39	313	183	A	H
		5374.32	51.1	-22.9	74	40.81	32.24	7.47	29.42	313	183	P	H
		5395.04	40.77	-13.23	54	30.42	32.28	7.49	29.42	313	183	A	H
		5132.86	54.3	-19.7	74	44.38	31.96	7.34	29.38	250	355	P	V
		5123.24	43.1	-10.9	54	33.19	31.96	7.33	29.38	250	355	A	V
	*	5240	106.81	-	-	96.72	32.08	7.4	29.39	250	355	P	V
	*	5240	98.85	-	-	88.76	32.08	7.4	29.39	250	355	A	V
		5397.28	52.31	-21.69	74	41.96	32.28	7.49	29.42	250	355	P	V
		5395.6	42.64	-11.36	54	32.29	32.28	7.49	29.42	250	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		10480	46.88	-21.32	68.2	53.04	39.47	10.83	57	100	0	P	H
		15720	58.56	-15.44	74	63.27	37.82	13.1	56.37	111	20	P	H
		15720	47.01	-6.99	54	51.72	37.82	13.1	56.37	111	20	A	H
													H
		10480	46.73	-21.47	68.2	52.89	39.47	10.83	57	100	0	P	V
		15720	58.2	-15.8	74	62.91	37.82	13.1	56.37	160	222	P	V
		15720	46.62	-7.38	54	51.33	37.82	13.1	56.37	160	222	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 46 5230MHz		5131.56	52.49	-21.51	74	42.57	31.96	7.34	29.38	333	181	P	H
		5137.28	44.47	-9.53	54	34.55	31.96	7.34	29.38	333	181	A	H
	*	5230	98.91	-	-	88.83	32.08	7.39	29.39	333	181	P	H
	*	5230	91.17	-	-	81.09	32.08	7.39	29.39	333	181	A	H
		5452.16	50.67	-23.33	74	40.22	32.34	7.54	29.43	333	181	P	H
		5356.96	42.38	-11.62	54	32.11	32.22	7.46	29.41	333	181	A	H
		5147.42	54.25	-19.75	74	44.3	31.98	7.35	29.38	252	355	P	V
		5149.5	47.31	-6.69	54	37.36	31.98	7.35	29.38	252	355	A	V
	*	5230	103.77	-	-	93.69	32.08	7.39	29.39	252	355	P	V
	*	5230	96.34	-	-	86.26	32.08	7.39	29.39	252	355	A	V
		5367.6	51.84	-22.16	74	41.54	32.24	7.47	29.41	252	355	P	V
		5355.84	43.56	-10.44	54	33.29	32.22	7.46	29.41	252	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 46 5230MHz		10460	46.84	-21.36	68.2	53.08	39.42	10.81	57.01	100	0	P	H
		15690	53.64	-20.36	74	58.3	37.91	13.08	56.39	170	293	P	H
		15690	44.47	-9.53	54	49.13	37.91	13.08	56.39	170	293	A	H
													H
		10460	46.1	-22.1	68.2	52.34	39.42	10.81	57.01	100	0	P	V
		15690	53.19	-20.81	74	57.85	37.91	13.08	56.39	147	216	P	V
		15690	45.25	-8.75	54	49.91	37.91	13.08	56.39	147	216	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5146.64	55.97	-18.03	74	46.02	31.98	7.35	29.38	352	180	P	H
		5150	46.49	-7.51	54	36.54	31.98	7.35	29.38	352	180	A	H
	*	5210	91.77	-	-	81.72	32.06	7.38	29.39	352	180	P	H
	*	5210	84	-	-	73.95	32.06	7.38	29.39	352	180	A	H
		5416.88	51.29	-22.71	74	40.9	32.3	7.51	29.42	352	180	P	H
		5457.48	41.89	-12.11	54	31.44	32.34	7.54	29.43	352	180	A	H
		5149.24	56.07	-17.93	74	46.12	31.98	7.35	29.38	255	353	P	V
		5150	50.22	-3.78	54	40.27	31.98	7.35	29.38	255	353	A	V
	*	5210	95.87	-	-	85.82	32.06	7.38	29.39	255	353	P	V
	*	5210	88.56	-	-	78.51	32.06	7.38	29.39	255	353	A	V
		5358.92	50.62	-23.38	74	40.34	32.22	7.47	29.41	255	353	P	V
		5352.48	42.21	-11.79	54	31.94	32.22	7.46	29.41	255	353	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	46.65	-27.35	74	52.97	39.37	10.79	57.02	100	0	P	H
		15630	45.13	-28.87	74	49.71	38.04	13.05	56.42	100	0	P	H
													H
													H
		10420	46.15	-27.85	74	52.47	39.37	10.79	57.02	100	0	P	V
		15630	45.49	-28.51	74	50.07	38.04	13.05	56.42	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz	*	5320	99.43	-	-	89.21	32.18	7.44	29.4	291	178	P	H
	*	5320	91.55	-	-	81.33	32.18	7.44	29.4	291	178	A	H
		5458.08	52.06	-21.94	74	41.61	32.34	7.54	29.43	291	178	P	H
		5350.08	42.16	-11.84	54	31.89	32.22	7.46	29.41	291	178	A	H
													H
													H
	*	5320	103.9	-	-	93.68	32.18	7.44	29.4	236	355	P	V
	*	5320	95.91	-	-	85.69	32.18	7.44	29.4	236	355	A	V
		5350.24	54.38	-19.62	74	44.11	32.22	7.46	29.41	236	355	P	V
		5350.08	44.75	-9.25	54	34.48	32.22	7.46	29.41	236	355	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz		10640	49.19	-24.81	74	54.95	39.67	10.93	56.89	100	0	P	H
		15960	47.34	-26.66	74	52.42	37.19	13.23	56.22	100	0	P	H
													H
													H
		10640	46.7	-27.3	74	52.46	39.67	10.93	56.89	100	0	P	V
		15960	45.61	-28.39	74	50.69	37.19	13.23	56.22	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5112.88	52.13	-21.87	74	42.23	31.94	7.33	29.37	338	180	P	H
		5052.7	42.87	-11.13	54	33.08	31.86	7.3	29.37	338	180	A	H
	*	5310	96.04	-	-	85.82	32.18	7.44	29.4	338	180	P	H
	*	5310	88.44	-	-	78.22	32.18	7.44	29.4	338	180	A	H
		5350.32	55.77	-18.23	74	45.5	32.22	7.46	29.41	338	180	P	H
		5350.8	49.23	-4.77	54	38.96	32.22	7.46	29.41	338	180	A	H
		5086.36	50.97	-23.03	74	41.13	31.9	7.31	29.37	244	354	P	V
		5148.92	43.18	-10.82	54	33.23	31.98	7.35	29.38	244	354	A	V
	*	5310	100.19	-	-	89.97	32.18	7.44	29.4	244	354	P	V
	*	5310	92.62	-	-	82.4	32.18	7.44	29.4	244	354	A	V
		5350.32	60.4	-13.6	74	50.13	32.22	7.46	29.41	244	354	P	V
		5350.08	52.87	-1.13	54	42.6	32.22	7.46	29.41	244	354	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		10620	46.79	-27.21	74	52.6	39.64	10.92	56.9	100	0	P	H
		15930	43.95	-30.05	74	48.96	37.28	13.22	56.24	100	0	P	H
													H
													H
		10620	46.44	-27.56	74	52.25	39.64	10.92	56.9	100	0	P	V
		15930	43.38	-30.62	74	48.39	37.28	13.22	56.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5074.46	51.34	-22.66	74	41.5	31.9	7.31	29.37	338	179	P	H
		5044.54	43.35	-10.65	54	33.57	31.86	7.29	29.37	338	179	A	H
	*	5290	93.29	-	-	83.12	32.14	7.43	29.4	338	179	P	H
	*	5290	85.45	-	-	75.28	32.14	7.43	29.4	338	179	A	H
		5367.12	57.35	-16.65	74	47.05	32.24	7.47	29.41	338	179	P	H
		5352.72	48.75	-5.25	54	38.48	32.22	7.46	29.41	338	179	A	H
		5127.84	53.1	-20.9	74	43.18	31.96	7.34	29.38	249	355	P	V
		5118.32	43.94	-10.06	54	34.05	31.94	7.33	29.38	249	355	A	V
	*	5290	97.14	-	-	86.97	32.14	7.43	29.4	249	355	P	V
	*	5290	89.98	-	-	79.81	32.14	7.43	29.4	249	355	A	V
		5362.8	63.08	-10.92	74	52.78	32.24	7.47	29.41	249	355	P	V
		5352.72	52.85	-1.15	54	42.58	32.22	7.46	29.41	249	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	47.38	-26.62	74	53.28	39.6	10.89	56.93	100	0	P	H
		15870	43.64	-30.36	74	48.59	37.41	13.18	56.27	100	0	P	H
													H
													H
		10580	47.3	-26.7	74	53.2	39.6	10.89	56.93	100	0	P	V
		15870	43.11	-30.89	74	48.06	37.41	13.18	56.27	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5424.4	51.48	-22.52	74	41.09	32.3	7.51	29.42	297	176	P	H
		5467.28	51.72	-16.48	68.2	41.23	32.36	7.56	29.43	297	176	P	H
		5459.92	41.82	-12.18	54	31.37	32.34	7.54	29.43	297	176	A	H
	*	5500	100.42	-	-	89.87	32.4	7.58	29.43	297	176	P	H
	*	5500	92.73	-	-	82.18	32.4	7.58	29.43	297	176	A	H
													H
		5458.64	53.1	-20.9	74	42.65	32.34	7.54	29.43	230	355	P	V
		5469.68	54.3	-13.9	68.2	43.81	32.36	7.56	29.43	230	355	P	V
		5459.76	43.31	-10.69	54	32.86	32.34	7.54	29.43	230	355	A	V
	*	5500	104.92	-	-	94.37	32.4	7.58	29.43	230	355	P	V
	*	5500	96.73	-	-	86.18	32.4	7.58	29.43	230	355	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	46.92	-27.08	74	51.74	40.1	11.16	56.6	100	0	P	H
		16500	48.54	-19.66	68.2	51.97	38.3	13.28	55.7	100	0	P	H
													H
													H
		11000	47.48	-26.52	74	52.3	40.1	11.16	56.6	100	0	P	V
		16500	46.43	-21.77	68.2	49.86	38.3	13.28	55.7	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5459.2	52.41	-21.59	74	41.96	32.34	7.54	29.43	294	179	P	H
		5469.28	58.88	-9.32	68.2	48.39	32.36	7.56	29.43	294	179	P	H
		5459.92	45.03	-8.97	54	34.58	32.34	7.54	29.43	294	179	A	H
	*	5510	98.11	-	-	87.56	32.4	7.59	29.44	294	179	P	H
	*	5510	90.06	-	-	79.51	32.4	7.59	29.44	294	179	A	H
		5737.595	50.88	-17.32	68.2	39.97	32.64	7.83	29.56	294	179	P	H
		5459.2	54.4	-19.6	74	43.95	32.34	7.54	29.43	255	358	P	V
		5468.32	62.29	-5.91	68.2	51.8	32.36	7.56	29.43	255	358	P	V
		5459.92	47.11	-6.89	54	36.66	32.34	7.54	29.43	255	358	A	V
	*	5510	101.23	-	-	90.68	32.4	7.59	29.44	255	358	P	V
	*	5510	93.47	-	-	82.92	32.4	7.59	29.44	255	358	A	V
		5736.02	51.03	-17.17	68.2	40.12	32.64	7.83	29.56	255	358	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	47.09	-26.91	74	51.9	40.09	11.17	56.59	100	0	P	H
		16530	44.98	-23.22	68.2	48.3	38.42	13.28	55.71	100	0	P	H
													H
													H
		11020	47.62	-26.38	74	52.43	40.09	11.17	56.59	100	0	P	V
		16530	48.14	-20.06	68.2	51.46	38.42	13.28	55.71	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	98.67	-	-	87.84	32.59	7.77	29.53	340	170	P	H
	*	5690	90.97	-	-	80.14	32.59	7.77	29.53	340	170	A	H
													H
													H
													H
													H
	*	5690	101.49	-	-	90.66	32.59	7.77	29.53	251	357	P	V
	*	5690	93.73	-	-	82.9	32.59	7.77	29.53	251	357	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	47.84	-26.16	74	52.55	39.95	11.27	56.45	100	0	P	H
		17070	47.43	-20.77	68.2	49.29	40.16	13.34	56.01	100	0	P	H
													H
													H
		11380	47.27	-26.73	74	51.98	39.95	11.27	56.45	100	0	P	V
		17070	48.04	-20.16	68.2	49.9	40.16	13.34	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.												

Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30.54	24.17	-15.83	40	31.98	23.96	0.59	32.34	-	-	P	H
		146.91	25.61	-17.89	43.5	39.31	17.27	1.27	32.28	-	-	P	H
		221.16	29.13	-16.87	46	44.43	15.34	1.53	32.24	-	-	P	H
		462.4	30.45	-15.55	46	36.99	23.43	2.13	32.18	-	-	P	H
		729.1	33.96	-12.04	46	35.87	27.45	2.66	32.12	100	0	P	H
		960.1	34.93	-19.07	54	31.51	31.17	3.07	30.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		30.54	36.95	-3.05	40	44.76	23.96	0.59	32.34	100	0	P	V
		52.41	31.26	-8.74	40	49.1	13.72	0.74	32.32	-	-	P	V
		229.8	22.2	-23.8	46	36.56	16.26	1.53	32.23	-	-	P	V
		687.1	27.9	-18.1	46	30.92	26.44	2.62	32.18	-	-	P	V
		841.1	31.11	-14.89	46	30.97	28.96	2.84	31.79	-	-	P	V
		960.1	34.54	-19.46	54	31.12	31.17	3.07	30.96	-	-	P	V
													V
													V
													V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5148.72	59.41	-14.59	74	49.46	31.98	7.35	29.38	226	331	P	H
		5150	48.64	-5.36	54	38.69	31.98	7.35	29.38	226	331	A	H
	*	5180	105.93	-	-	95.93	32.02	7.37	29.39	226	331	P	H
	*	5180	98.21	-	-	88.21	32.02	7.37	29.39	226	331	A	H
													H
													H
		5143	54.58	-19.42	74	44.63	31.98	7.35	29.38	107	31	P	V
		5150	45.84	-8.16	54	35.89	31.98	7.35	29.38	107	31	A	V
	*	5180	105.5	-	-	95.5	32.02	7.37	29.39	107	31	P	V
	*	5180	98.06	-	-	88.06	32.02	7.37	29.39	107	31	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	46.78	-21.42	68.2	53.23	39.29	10.75	57.03	100	0	P	H
		15540	60.24	-13.76	74	64.65	38.31	13	56.48	100	329	P	H
		15540	48.31	-5.69	54	52.72	38.31	13	56.48	100	329	A	H
													H
		10360	45.38	-22.82	68.2	51.83	39.29	10.75	57.03	100	0	P	V
		15540	59.56	-14.44	74	63.97	38.31	13	56.48	249	346	P	V
		15540	47.36	-6.64	54	51.77	38.31	13	56.48	249	346	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5138.84	59.76	-14.24	74	49.84	31.96	7.34	29.38	103	112	P	H
		5149.76	52.32	-1.68	54	42.37	31.98	7.35	29.38	103	112	A	H
	*	5190	101.6	-	-	91.6	32.02	7.37	29.39	103	112	P	H
	*	5190	103.44	-	-	93.44	32.02	7.37	29.39	103	112	A	H
		5356.12	49.87	-24.13	74	39.6	32.22	7.46	29.41	103	112	P	H
		5456.64	41.93	-12.07	54	31.48	32.34	7.54	29.43	103	112	A	H
		5139.88	52.33	-21.67	74	42.39	31.98	7.34	29.38	204	193	P	V
		5150	45.28	-8.72	54	35.33	31.98	7.35	29.38	204	193	A	V
	*	5190	98.98	-	-	88.98	32.02	7.37	29.39	204	193	P	V
	*	5190	90.96	-	-	80.96	32.02	7.37	29.39	204	193	A	V
		5388.04	49.55	-24.45	74	39.23	32.26	7.48	29.42	204	193	P	V
		5447.68	41.76	-12.24	54	31.32	32.34	7.52	29.42	204	193	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	46.26	-21.94	68.2	52.67	39.31	10.76	57.02	100	0	P	H
		15570	47.18	-26.82	74	51.65	38.22	13.02	56.46	100	0	P	H
													H
													H
		10380	47.7	-20.5	68.2	54.11	39.31	10.76	57.02	100	0	P	V
		15570	47.86	-26.14	74	52.33	38.22	13.02	56.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5146.12	60.29	-13.71	74	50.34	31.98	7.35	29.38	106	114	P	H
		5140.66	50.56	-3.44	54	40.62	31.98	7.34	29.38	106	114	A	H
	*	5210	97.28	-	-	87.23	32.06	7.38	29.39	106	114	P	H
	*	5210	90.64	-	-	80.59	32.06	7.38	29.39	106	114	A	H
		5422.76	50.04	-23.96	74	39.65	32.3	7.51	29.42	106	114	P	H
		5457.76	43.39	-10.61	54	32.94	32.34	7.54	29.43	106	114	A	H
		5137.54	59.61	-14.39	74	49.69	31.96	7.34	29.38	100	24	P	V
		5145.08	52.05	-1.95	54	42.1	31.98	7.35	29.38	100	24	A	V
	*	5210	98.56	-	-	88.51	32.06	7.38	29.39	100	24	P	V
	*	5210	90.83	-	-	80.78	32.06	7.38	29.39	100	24	A	V
		5440.68	49.98	-24.02	74	39.56	32.32	7.52	29.42	100	24	P	V
		5392.8	43.58	-10.42	54	33.26	32.26	7.48	29.42	100	24	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	47.52	-20.68	68.2	53.84	39.37	10.79	57.02	100	0	P	H
		15630	43.81	-30.19	74	48.39	38.04	13.05	56.42	100	0	P	H
													H
													H
		10420	46.48	-21.72	68.2	52.8	39.37	10.79	57.02	100	0	P	V
		15630	44.03	-29.97	74	48.61	38.04	13.05	56.42	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz	*	5320	104.24	-	-	94.02	32.18	7.44	29.4	191	332	P	H
	*	5320	96	-	-	85.78	32.18	7.44	29.4	191	332	A	H
		5353.12	52.46	-21.54	74	42.19	32.22	7.46	29.41	191	332	P	H
		5350.08	43.95	-10.05	54	33.68	32.22	7.46	29.41	191	332	A	H
													H
													H
	*	5320	103.48	-	-	93.26	32.18	7.44	29.4	199	185	P	V
	*	5320	96.18	-	-	85.96	32.18	7.44	29.4	199	185	A	V
		5386.72	50.79	-23.21	74	40.47	32.26	7.48	29.42	199	185	P	V
		5350.08	42.68	-11.32	54	32.41	32.22	7.46	29.41	199	185	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz		10640	46.56	-27.44	74	52.32	39.67	10.93	56.89	100	0	P	H
		15960	45.67	-28.33	74	50.75	37.19	13.23	56.22	100	0	P	H
													H
													H
		10640	47	-27	74	52.76	39.67	10.93	56.89	100	0	P	V
		15960	46.6	-27.4	74	51.68	37.19	13.23	56.22	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5146.54	51.95	-22.05	74	42	31.98	7.35	29.38	193	332	P	H
		5143.14	44.07	-9.93	54	34.12	31.98	7.35	29.38	193	332	A	H
	*	5310	102.23	-	-	92.01	32.18	7.44	29.4	193	332	P	H
	*	5310	94.47	-	-	84.25	32.18	7.44	29.4	193	332	A	H
		5350.08	62.07	-11.93	74	51.8	32.22	7.46	29.41	193	332	P	H
		5350.32	50.88	-3.12	54	40.61	32.22	7.46	29.41	193	332	A	H
		5093.5	51.55	-22.45	74	41.68	31.92	7.32	29.37	100	20	P	V
		5110.5	42.87	-11.13	54	32.97	31.94	7.33	29.37	100	20	A	V
	*	5310	99.99	-	-	89.77	32.18	7.44	29.4	100	20	P	V
	*	5310	92.24	-	-	82.02	32.18	7.44	29.4	100	20	A	V
		5351.28	59.58	-14.42	74	49.31	32.22	7.46	29.41	100	20	P	V
		5350.56	52.07	-1.93	54	41.8	32.22	7.46	29.41	100	20	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		10620	45.89	-28.11	74	51.7	39.64	10.92	56.9	100	0	P	H
		15930	43.76	-30.24	74	48.77	37.28	13.22	56.24	100	0	P	H
													H
													H
		10620	46.76	-27.24	74	52.57	39.64	10.92	56.9	100	0	P	V
		15930	43.99	-30.01	74	49	37.28	13.22	56.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5111.52	51.78	-22.22	74	41.88	31.94	7.33	29.37	106	114	P	H
		5142.46	45.13	-8.87	54	35.19	31.98	7.34	29.38	106	114	A	H
	*	5290	96.52	-	-	86.35	32.14	7.43	29.4	106	114	P	H
	*	5290	90.3	-	-	80.13	32.14	7.43	29.4	106	114	A	H
		5354.64	58.04	-15.96	74	47.77	32.22	7.46	29.41	106	114	P	H
		5354.64	51.91	-2.09	54	41.64	32.22	7.46	29.41	106	114	A	H
		5071.06	52.02	-21.98	74	42.2	31.88	7.31	29.37	212	181	P	V
		5120.7	44.52	-9.48	54	34.63	31.94	7.33	29.38	212	181	A	V
	*	5290	96.81	-	-	86.64	32.14	7.43	29.4	212	181	P	V
	*	5290	89.9	-	-	79.73	32.14	7.43	29.4	212	181	A	V
		5354.88	59.37	-14.63	74	49.1	32.22	7.46	29.41	212	181	P	V
		5354.64	51.28	-2.72	54	41.01	32.22	7.46	29.41	212	181	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	46.93	-21.27	68.2	52.83	39.6	10.89	56.93	100	0	P	H
		15870	44.68	-29.32	74	49.63	37.41	13.18	56.27	100	0	P	H
													H
													H
		10580	46.97	-21.23	68.2	52.87	39.6	10.89	56.93	100	0	P	V
		15870	44.64	-29.36	74	49.59	37.41	13.18	56.27	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5455.44	51.56	-22.44	74	41.11	32.34	7.54	29.43	196	345	P	H
		5465.2	52.98	-15.22	68.2	42.51	32.36	7.54	29.43	196	345	P	H
		5460	43.04	-10.96	54	32.59	32.34	7.54	29.43	196	345	A	H
	*	5500	104.52	-	-	93.97	32.4	7.58	29.43	196	345	P	H
	*	5500	96.07	-	-	85.52	32.4	7.58	29.43	196	345	A	H
													H
		5449.68	51.58	-22.42	74	41.12	32.34	7.54	29.42	200	243	P	V
		5466.16	55.41	-12.79	68.2	44.92	32.36	7.56	29.43	200	243	P	V
		5460	42.84	-11.16	54	32.39	32.34	7.54	29.43	200	243	A	V
	*	5500	103.81	-	-	93.26	32.4	7.58	29.43	200	243	P	V
	*	5500	95.9	-	-	85.35	32.4	7.58	29.43	200	243	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	47.82	-26.18	74	52.64	40.1	11.16	56.6	100	0	P	H
		16500	49.37	-18.83	68.2	52.8	38.3	13.28	55.7	100	0	P	H
													H
													H
		11000	46.75	-27.25	74	51.57	40.1	11.16	56.6	100	0	P	V
		16500	46.83	-21.37	68.2	50.26	38.3	13.28	55.7	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5459.2	57.52	-16.48	74	47.07	32.34	7.54	29.43	108	110	P	H
		5469.52	62.27	-5.93	68.2	51.78	32.36	7.56	29.43	108	110	P	H
		5459.44	50.84	-3.16	54	40.39	32.34	7.54	29.43	108	110	A	H
	*	5510	104.36	-	-	93.81	32.4	7.59	29.44	108	110	P	H
	*	5510	96.07	-	-	85.52	32.4	7.59	29.44	108	110	A	H
		5746.73	50.93	-17.27	68.2	40.02	32.64	7.83	29.56	108	110	P	H
		5459.68	56.46	-17.54	74	46.01	32.34	7.54	29.43	101	202	P	V
		5470	59.51	-8.69	68.2	49.02	32.36	7.56	29.43	101	202	P	V
		5459.92	47.86	-6.14	54	37.41	32.34	7.54	29.43	101	202	A	V
	*	5510	101.39	-	-	90.84	32.4	7.59	29.44	101	202	P	V
	*	5510	92.28	-	-	81.73	32.4	7.59	29.44	101	202	A	V
		5737.595	50.79	-17.41	68.2	39.88	32.64	7.83	29.56	101	202	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	49.14	-24.86	74	53.95	40.09	11.17	56.59	100	0	P	H
		16530	46.09	-22.11	68.2	49.41	38.42	13.28	55.71	100	0	P	H
													H
													H
		11020	47.44	-26.56	74	52.25	40.09	11.17	56.59	100	0	P	V
		16530	46.1	-22.1	68.2	49.42	38.42	13.28	55.71	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	102.17	-	-	91.34	32.59	7.77	29.53	164	358	P	H
	*	5690	94.56	-	-	83.73	32.59	7.77	29.53	164	358	A	H
													H
													H
													H
													H
	*	5690	100.11	-	-	89.28	32.59	7.77	29.53	163	23	P	V
	*	5690	93.7	-	-	82.87	32.59	7.77	29.53	163	23	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	48.81	-25.19	74	53.52	39.95	11.27	56.45	100	0	P	H
		17070	51.14	-17.06	68.2	53	40.16	13.34	56.01	100	0	P	H
													H
													H
		11380	47.34	-26.66	74	52.05	39.95	11.27	56.45	100	0	P	V
		17070	50.32	-17.88	68.2	52.18	40.16	13.34	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.												

Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30.54	24.19	-15.81	40	32	23.96	0.59	32.34	100	0	P	H
		147.45	26.23	-17.27	43.5	39.92	17.27	1.27	32.28	-	-	P	H
		297.84	25.21	-20.79	46	36.31	19.25	1.72	32.13	-	-	P	H
		561.8	26.87	-19.13	46	30.67	25.95	2.36	32.21	-	-	P	H
		769	29.85	-16.15	46	30.89	28.19	2.71	32.05	-	-	P	H
		960.1	35.84	-18.16	54	32.42	31.17	3.07	30.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	

Note symbol

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



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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Alex Jheng, Bill Chang, and Wilson Wu	Temperature :	24.7~25.2°C
		Relative Humidity :	48~52%

Note symbol

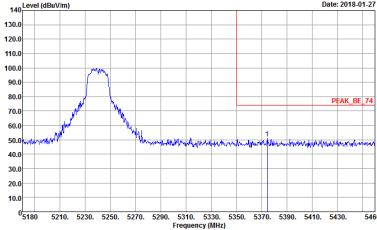
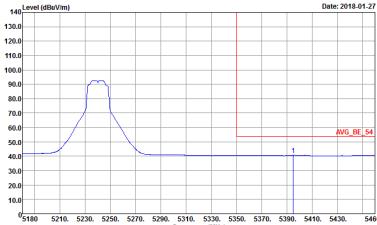
-L	Low channel location
-R	High channel location



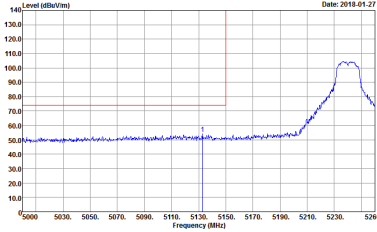
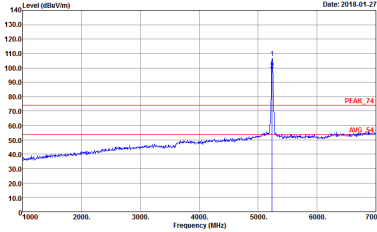
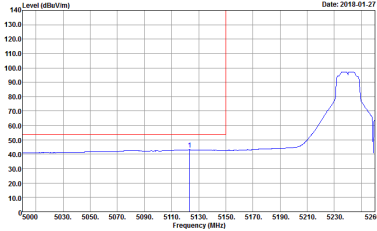
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - 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 : 7D0727-01 Mode : 1	Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1	Left blank

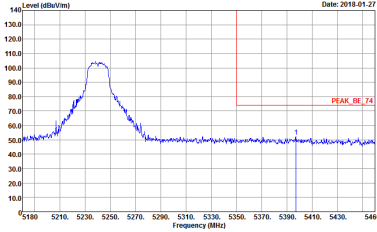
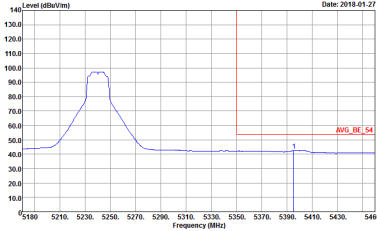


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1	Left blank



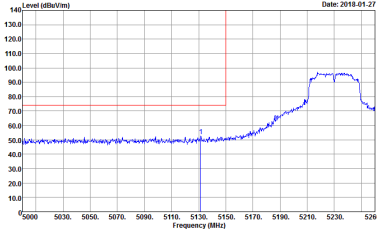
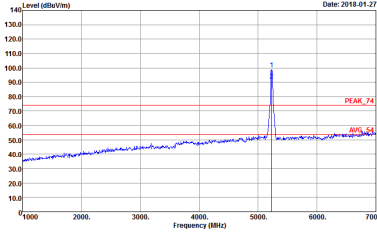
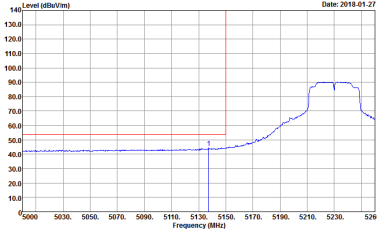
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 1	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 1
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 1	Left blank



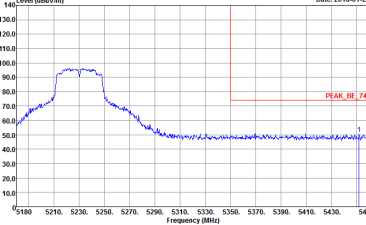
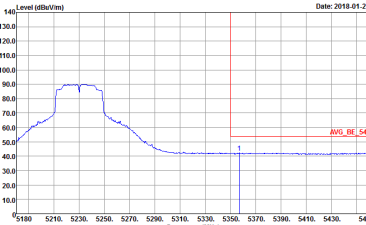
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 1	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 1	Left blank



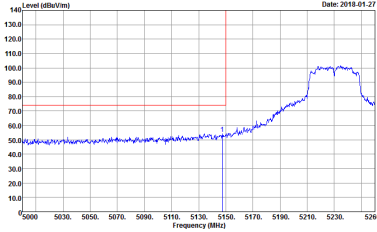
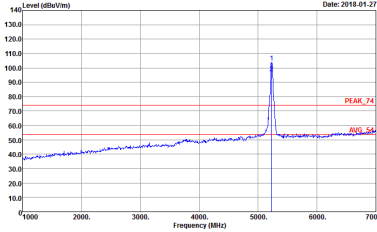
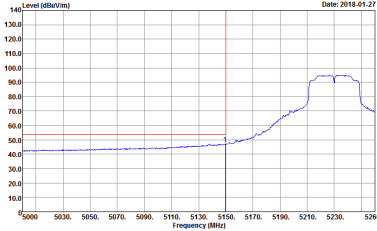
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 5	Left blank

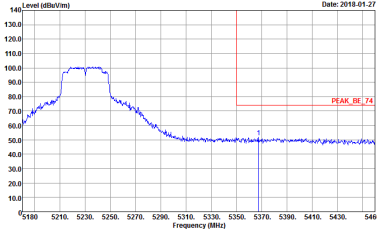
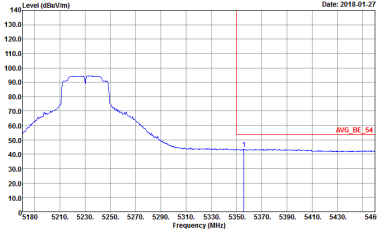


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 5	Left blank

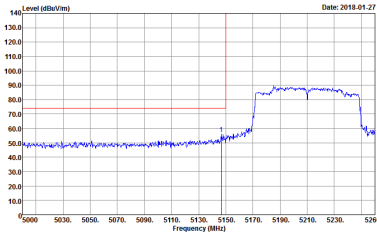
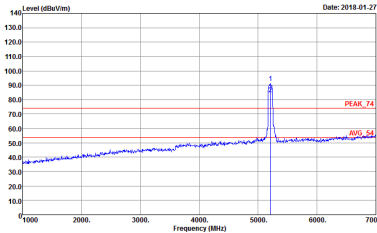
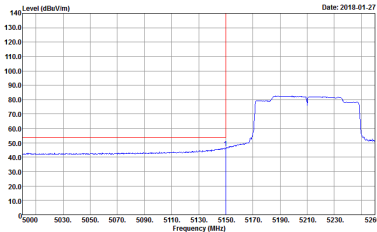


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 5	Left blank

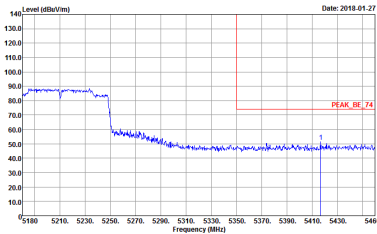
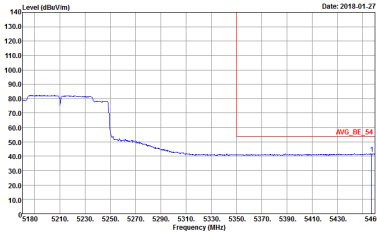


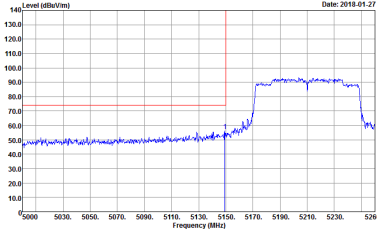
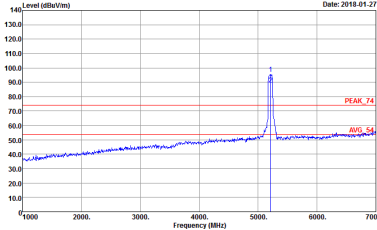
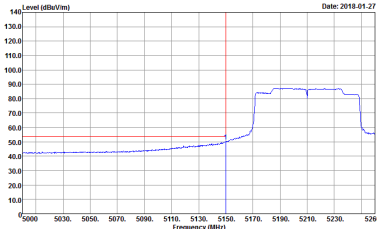
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 5	Left blank

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

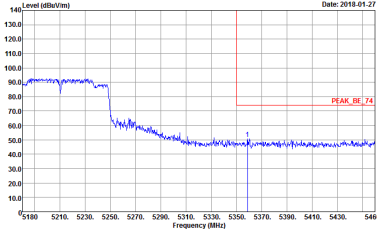
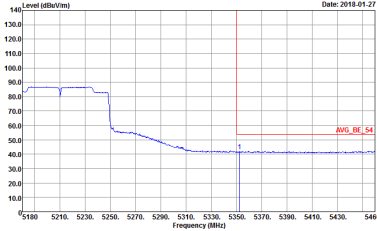
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	Left blank



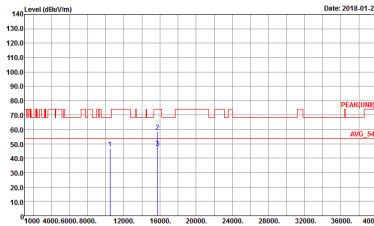
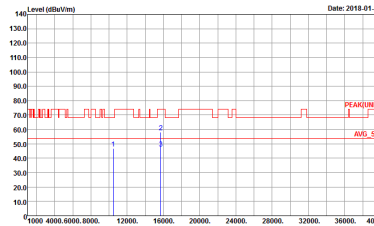
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	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_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	Left blank



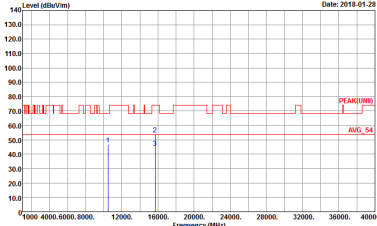
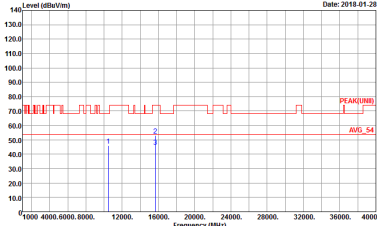
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	Left blank

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 1	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 1



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

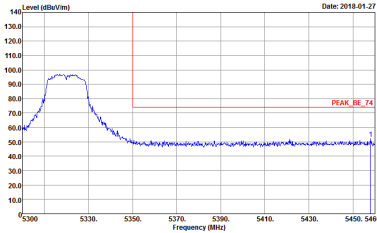
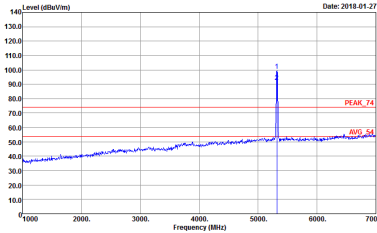
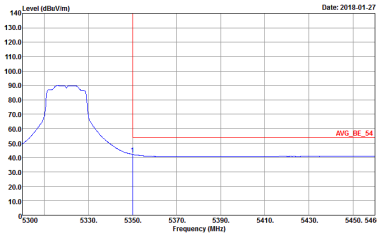
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 5	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 5

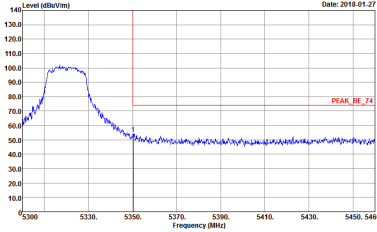
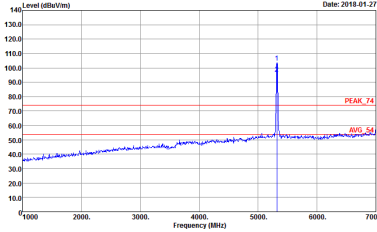
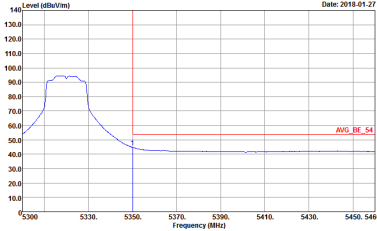


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5	Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 9 Power : 10.5

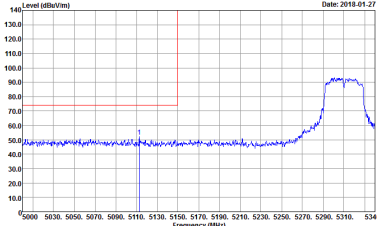
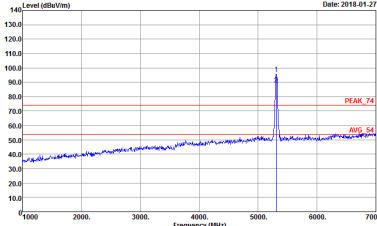
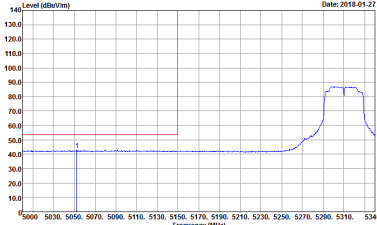
Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

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 : 7D0727-01 Mode : 2	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 2
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 2	Left blank

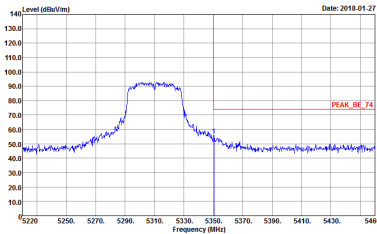
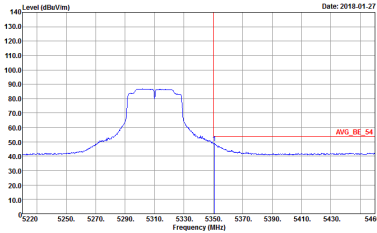
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 2	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 2
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 2	Left blank



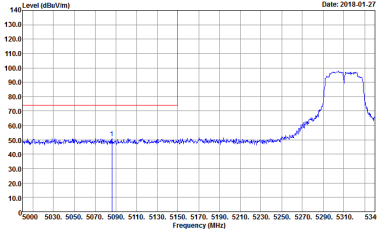
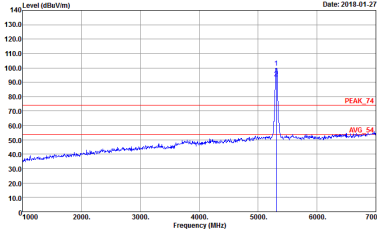
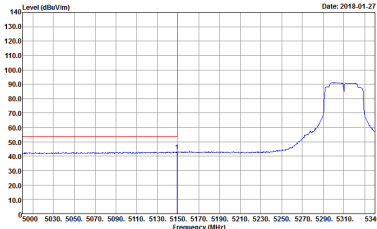
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

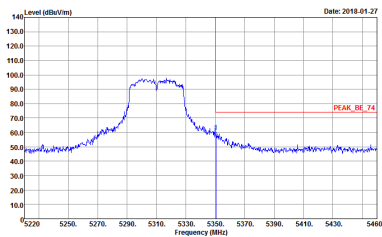
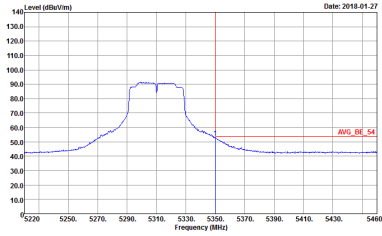
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	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 RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	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_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	Left blank

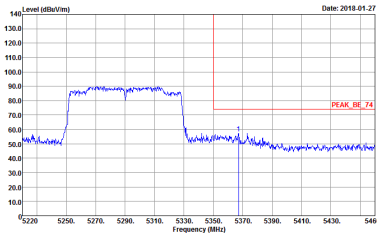
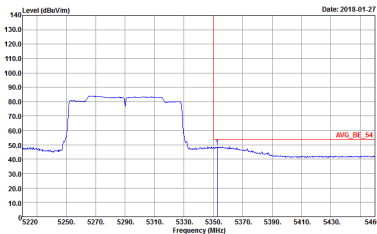
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 6	Left blank



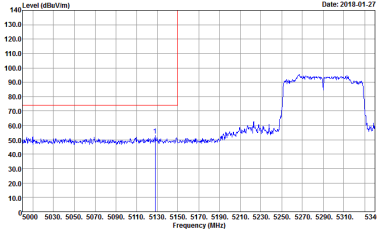
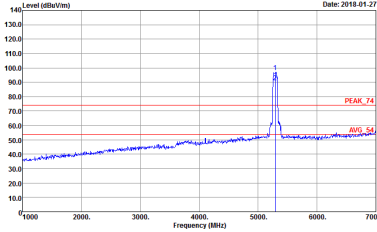
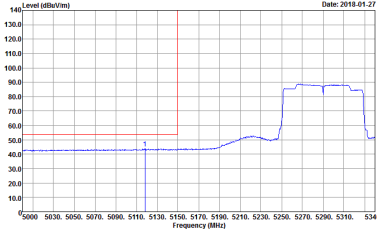
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

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 : 7D0727-01 Mode : 10 Power : 12.5	Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 10 Power : 12.5
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 10 Power : 12.5	Left blank

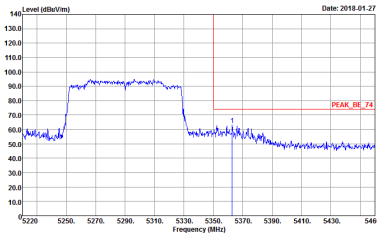
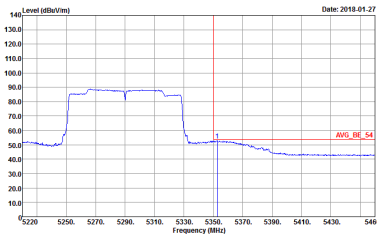


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : D Power : 12.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : D Power : 12.5	Left blank



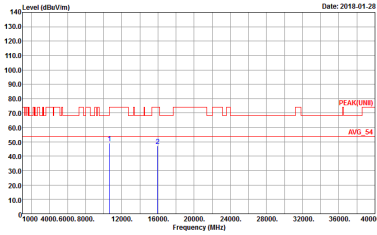
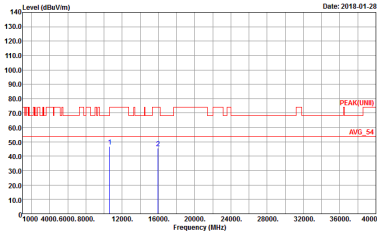
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 10 Power : 12.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 10 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 10 Power : 12.5	Left blank



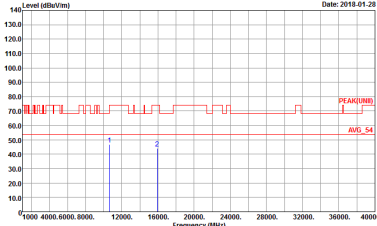
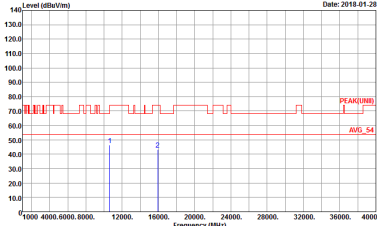
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1D Power : 12.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1D Power : 12.5	Left blank



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 2	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 2

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 6	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 6

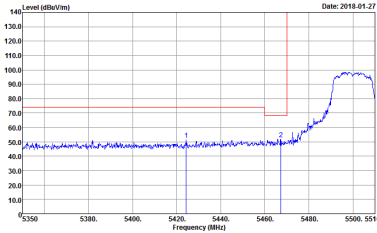
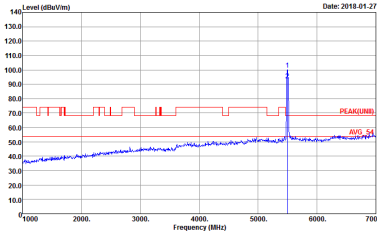
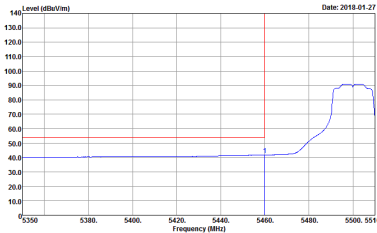


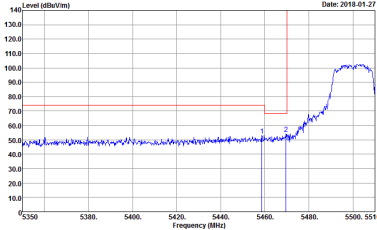
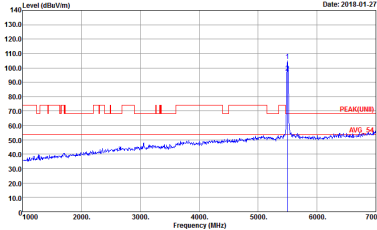
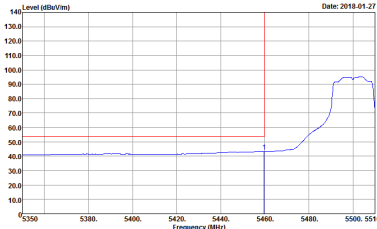
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 10 Power : 12.5	Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 10 Power : 12.5

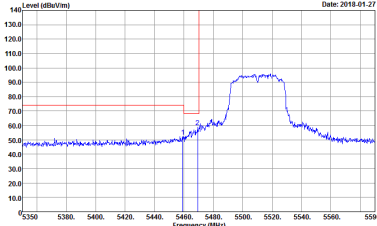
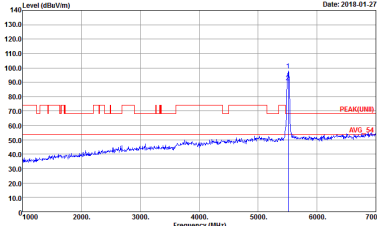
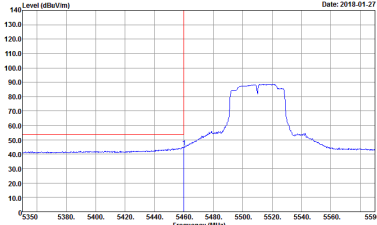


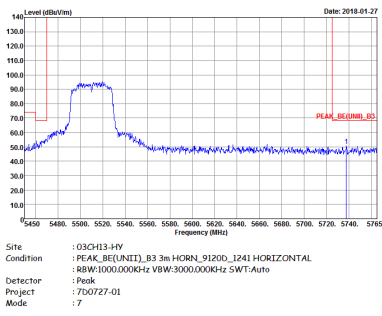
Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

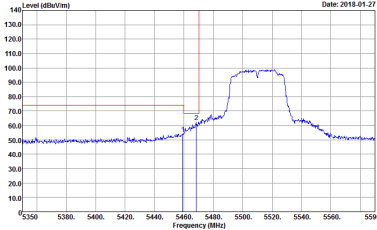
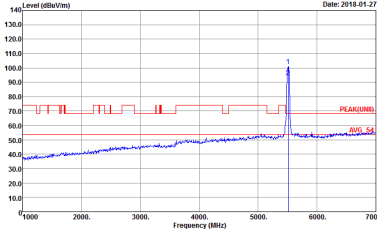
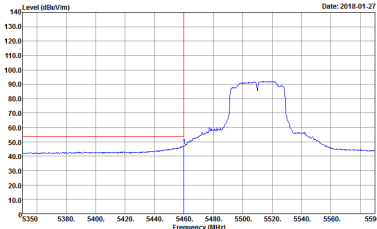
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 3	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 3
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 3	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(UNIT1)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 3	 Site : 03CH13-HY Condition : PEAK(UNIT1) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 3
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT1)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 3	Left blank

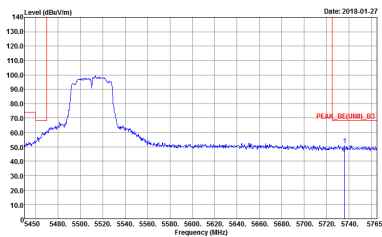
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 7	 Site : 03CH13-HY Condition : PEAK(UNIT1) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 7
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 7	Left blank

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

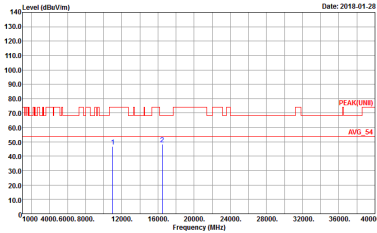
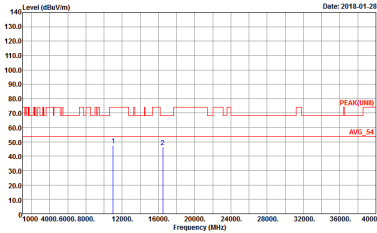
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT), B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 7	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 7
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT), B3 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 7	Left blank



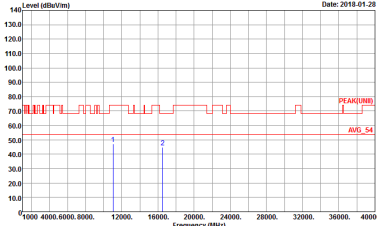
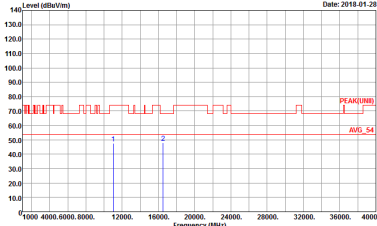
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : USCH123-4-9V Condition : PEAK_BE([UNIT]), B3 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 7	Left blank



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 : 7D0727-01 Mode : 3	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 3

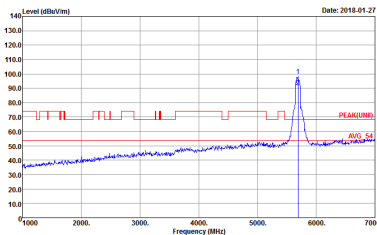
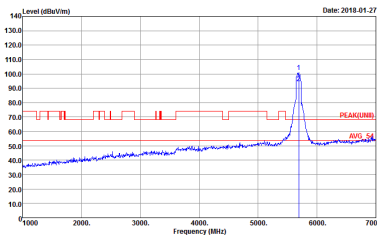
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 7	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 7



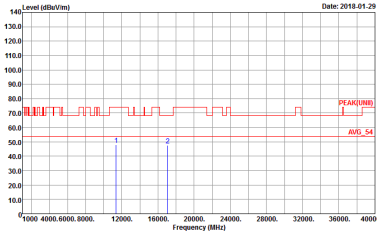
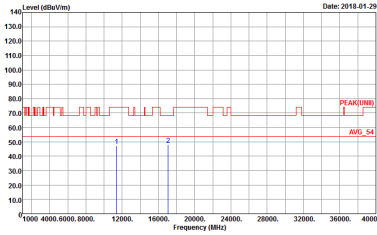
Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Fundamental @ 3m)

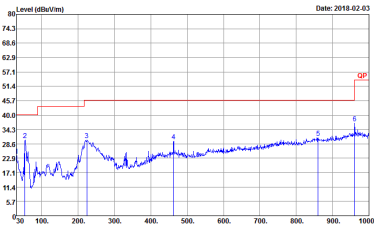
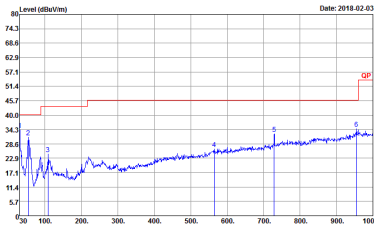
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 750727-01 Mode : 11	 Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 750727-01 Mode : 11



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

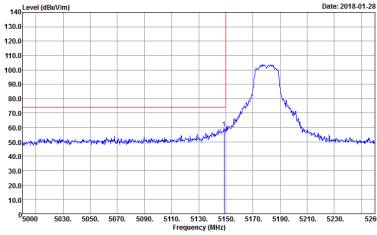
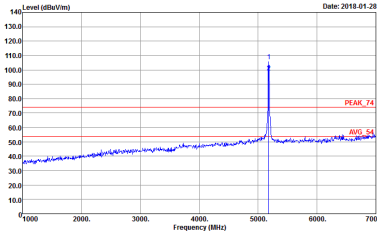
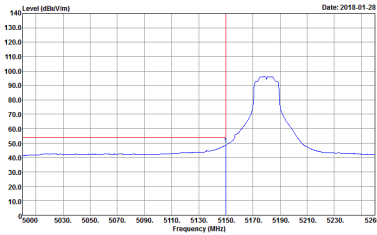
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 11	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 11

Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HY Condition : QP 3m B1LO6_40103 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 12	 Site : 03CH13-HY Condition : QP 3m B1LO6_40103 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 12



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

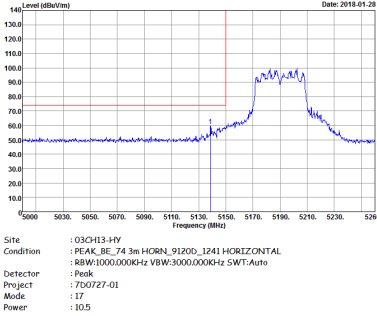
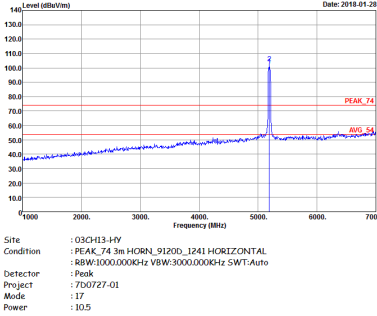
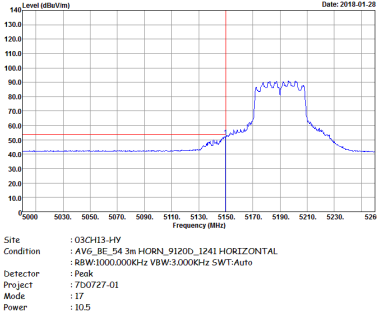
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 13	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 13
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 13	Left blank



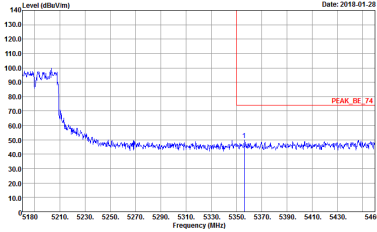
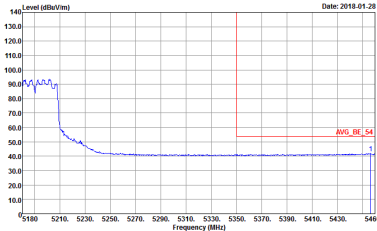
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 13	Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 13
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 13	Left blank

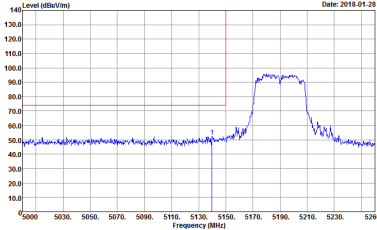
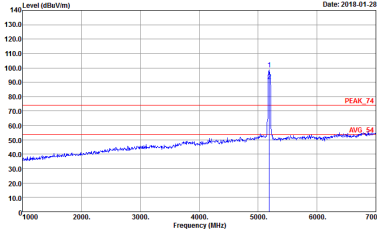
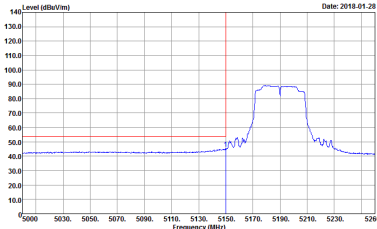


Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

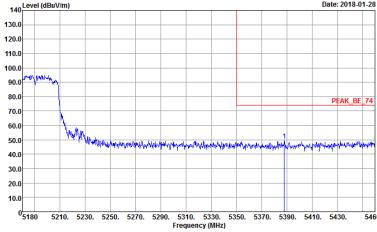
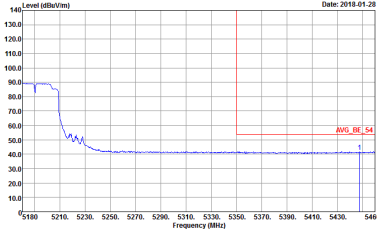
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	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 : 7D0727-01 Mode : 17 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5	Left blank

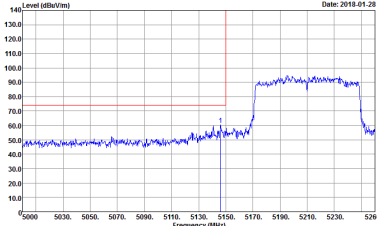
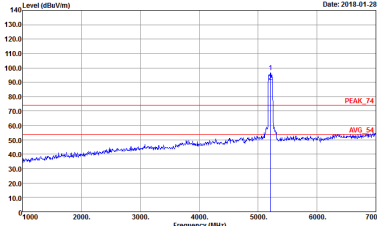
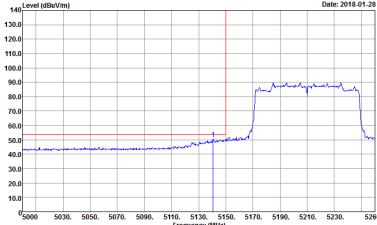
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5	Left blank



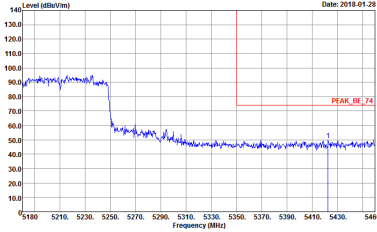
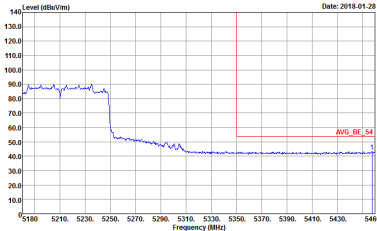
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 17 Power : 10.5	Left blank

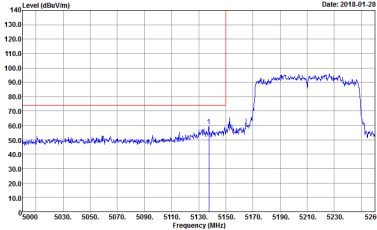
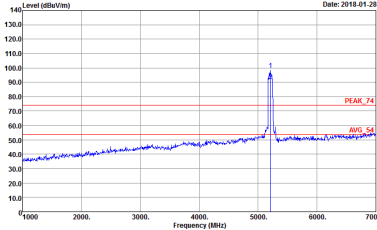
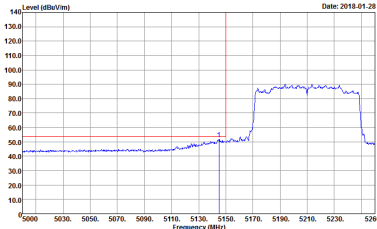


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	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 : 7D0727-01 Mode : Z1 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 : 7D0727-01 Mode : Z1 Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5	Left blank



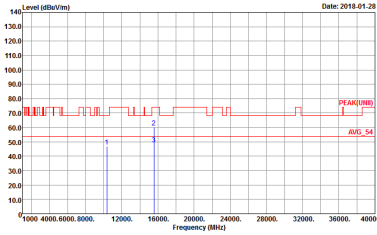
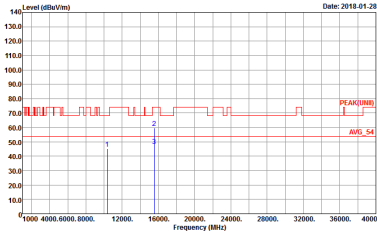
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5	Left blank



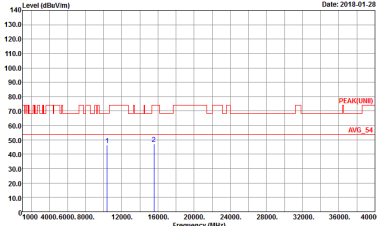
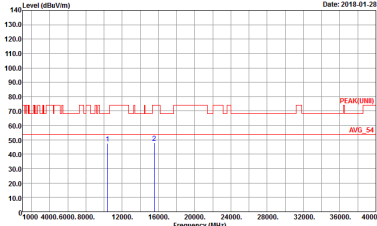
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5	Left blank
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z1 Power : 10.5	Left blank

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 13	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 13

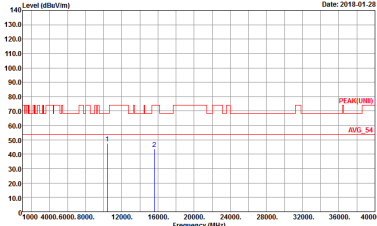
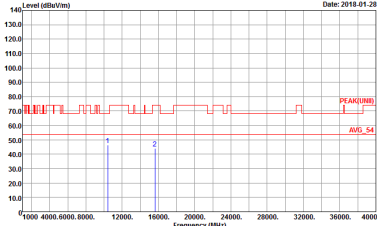


Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

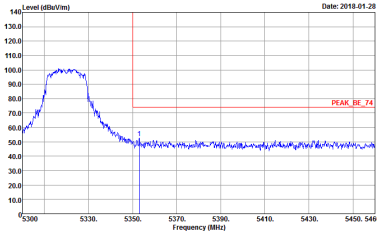
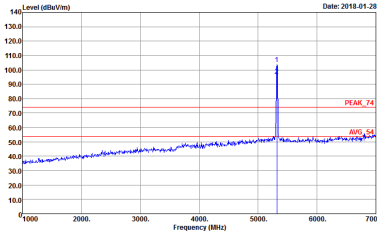
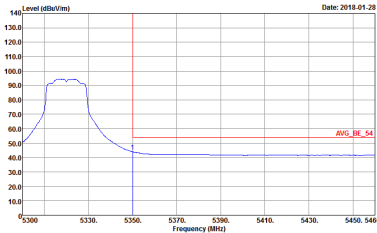
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 17	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 17

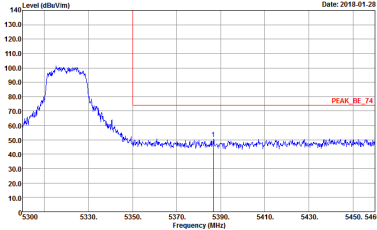
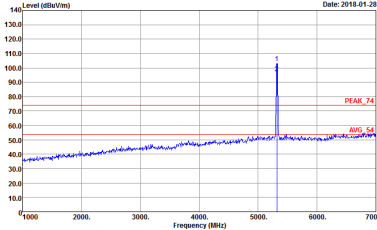
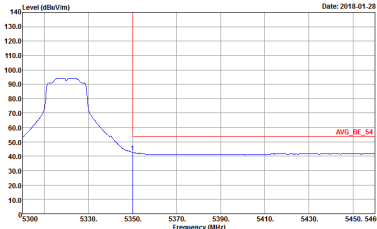


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : Z1	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z1

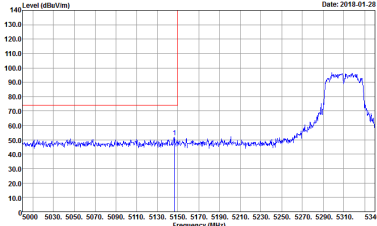
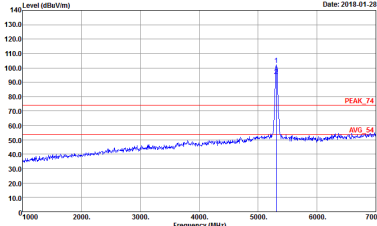
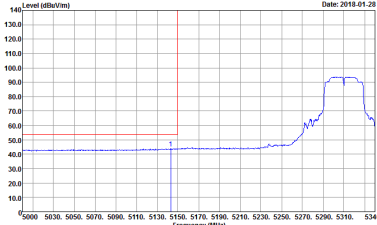
Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 14	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 14
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 14	Left blank

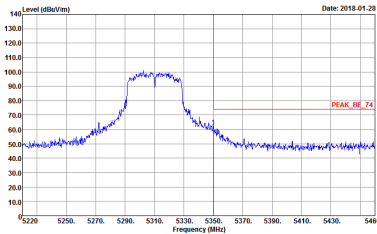
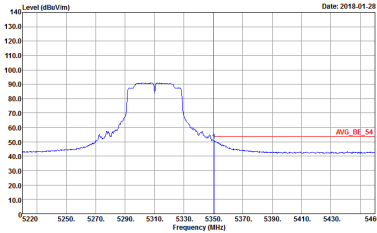
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 14	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 14
	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 14	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+2	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 : 7D0727-01 Mode : 1B Power : 11	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11	Left blank

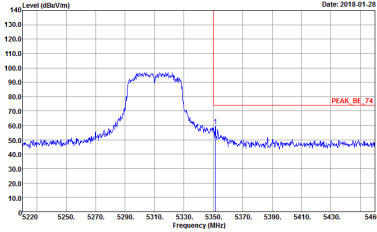
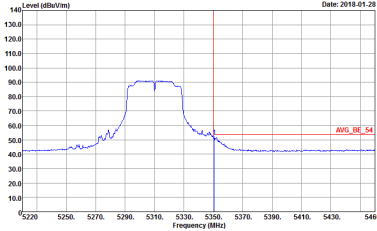


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11	Left blank



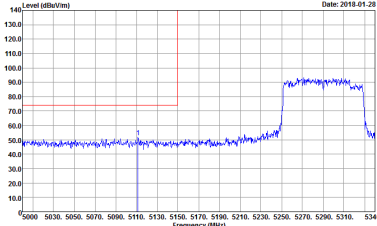
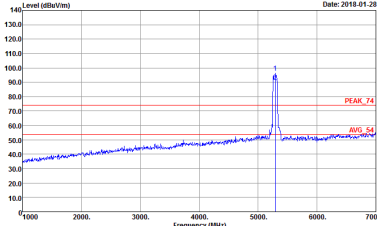
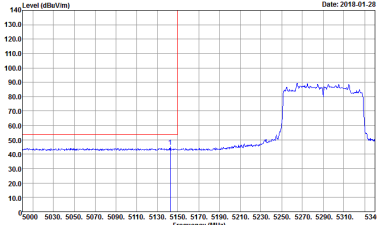
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11.5	Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11.5
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11.5	Left blank



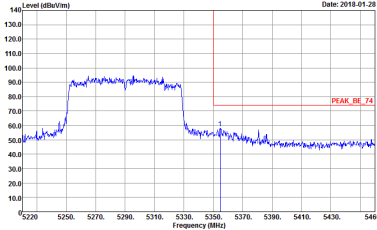
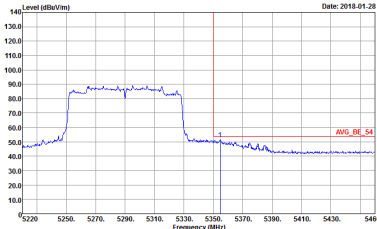
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 1B Power : 11.5	Left blank

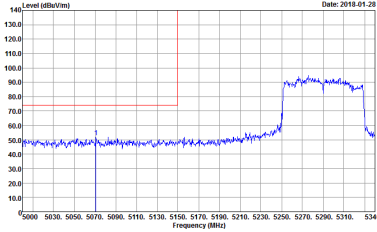
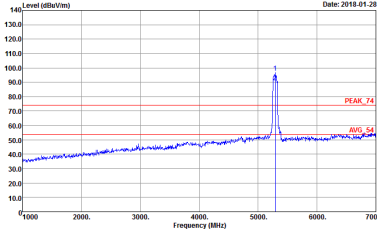
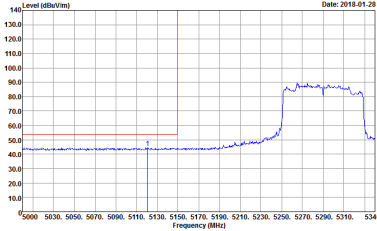


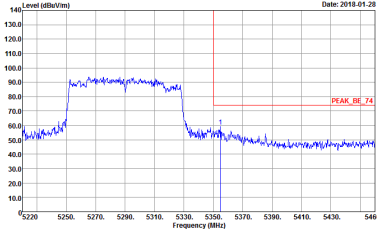
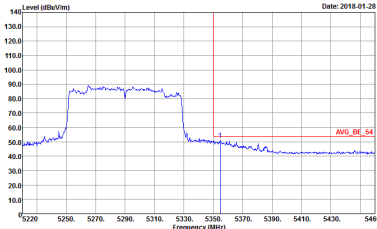
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	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 : 7D0727-01 Mode : ZZ 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 : 7D0727-01 Mode : ZZ Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : ZZ Power : 10.5	Left blank

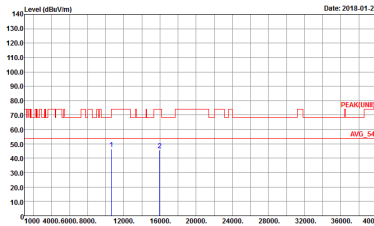
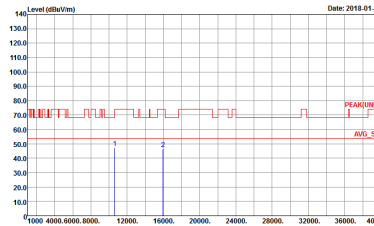


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z2 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z2 Power : 10.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z2 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z2 Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z2 Power : 10.5	Left blank

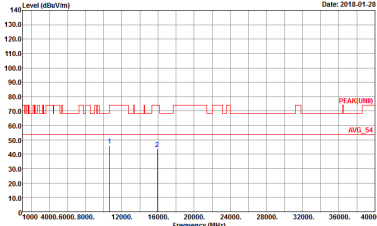
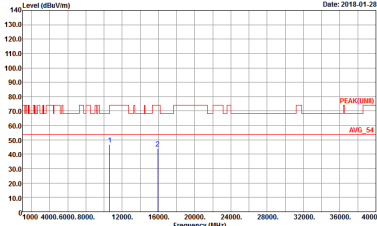
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z2 Power : 10.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : Z2 Power : 10.5	Left blank

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 14	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 14

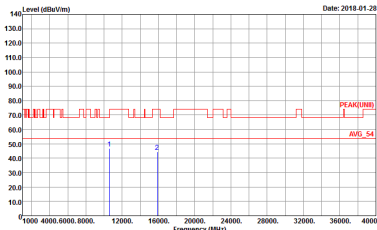


Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

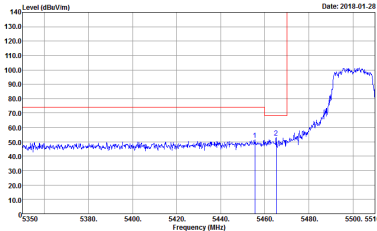
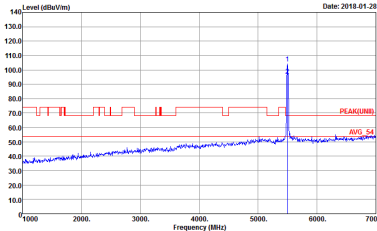
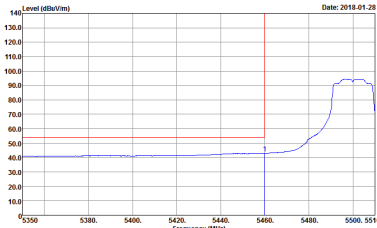
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 18	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 18



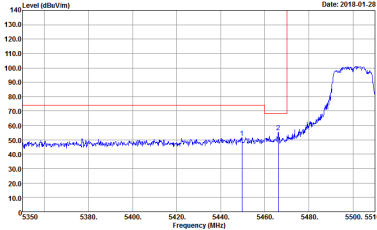
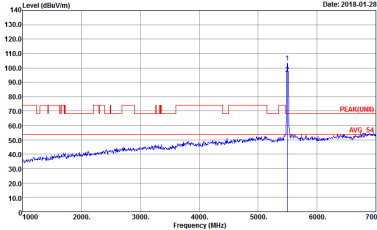
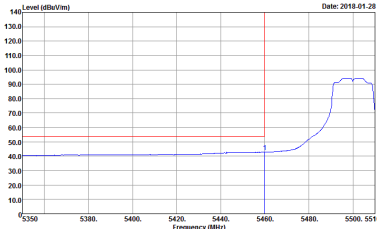
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : Z2	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : Z2

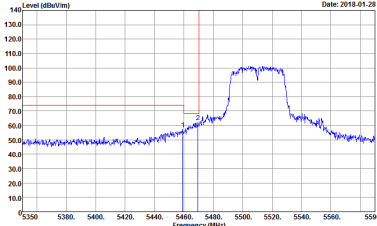
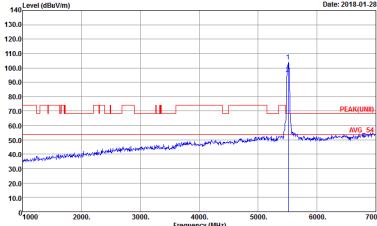
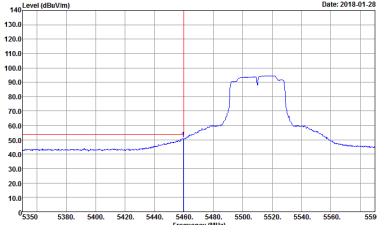
Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 15	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 15
	 Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 15	Left blank

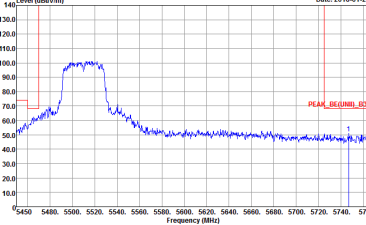


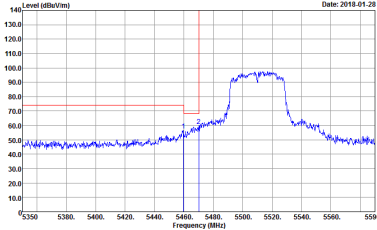
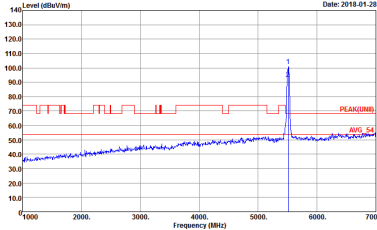
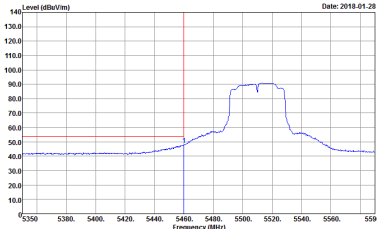
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT), B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 15	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT), B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 15	Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13	 Site : 03CH13-HY Condition : PEAK(UNIT1) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : USCH123-4-9V Condition : PEAK_BE([UNIT]), B3 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13	Left blank

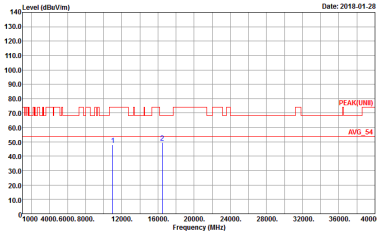
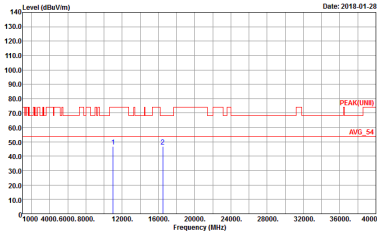
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNIT), B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13
	 Site : 03CH13-HY Condition : AVG_BE(UNIT), B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13	Left blank



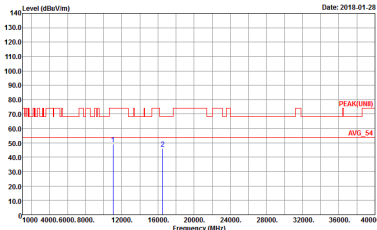
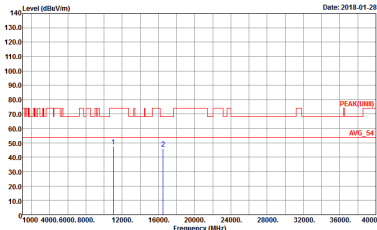
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak	Site : USCH123-4-9V Condition : PEAK_REC(UNIT), B3 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D0727-01 Mode : 19 Power : 13	Left blank



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 15	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 15

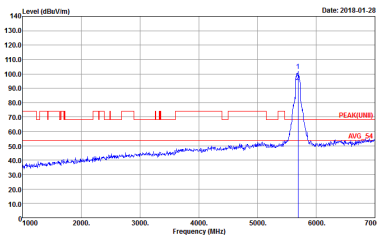
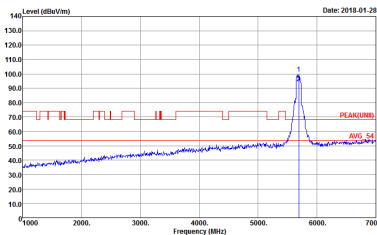
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 19	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 19



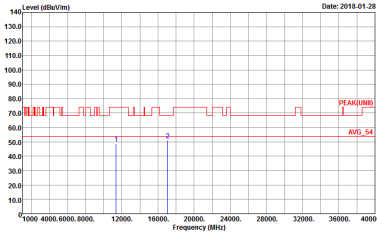
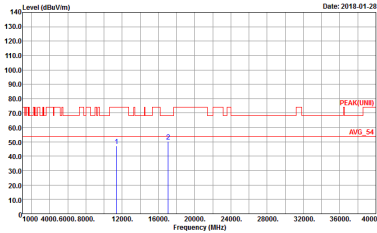
Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 750727-01 Mode : Z3	 Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 750727-01 Mode : Z3

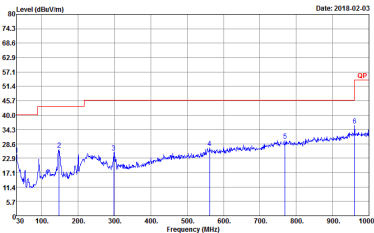
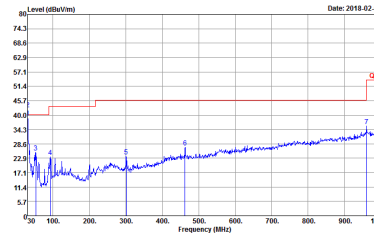


Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 23	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 23



Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

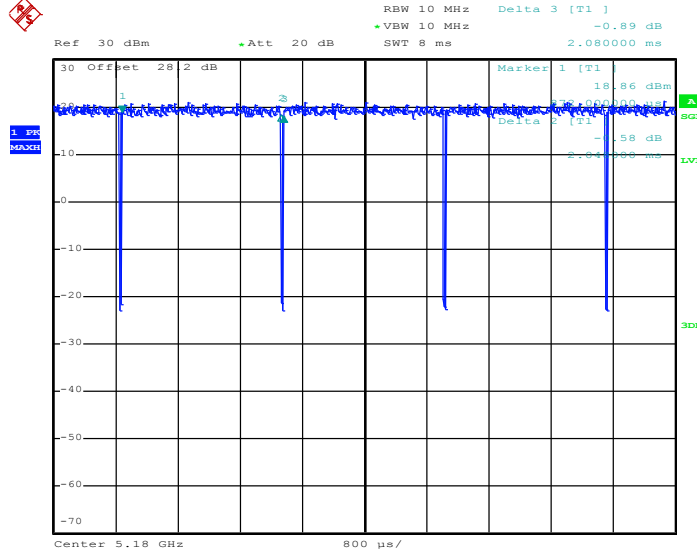
WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HY Condition : QP 3m B1LO6_40103 HORIZONTAL Detector : Peak Project : 7D0727-01 Mode : 27	 Site : 03CH13-HY Condition : QP 3m B1LO6_40103 VERTICAL Detector : Peak Project : 7D0727-01 Mode : 27

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor (dB)
1	802.11a	98.46	-	-	10Hz	0.07
2	802.11a	96.97	2048.00	0.49	1kHz	0.13
1	5GHz 802.11n HT20	98.35	-	-	10Hz	0.07
2	5GHz 802.11n HT20	98.35	-	-	10Hz	0.07
1+2	5GHz 802.11n HT20 for Ant. 1	97.54	1904.00	0.53	1kHz	0.11
1+2	5GHz 802.11n HT20 for Ant. 2	98.35	-	-	10Hz	0.07
1	5GHz 802.11n HT40	96.67	928.00	1.08	3kHz	0.15
2	5GHz 802.11n HT40	96.67	928.00	1.08	3kHz	0.15
1+2	5GHz 802.11n HT40	96.69	936.00	1.07	3kHz	0.15
1+2	5GHz 802.11n HT40	96.67	928.00	1.08	3kHz	0.15
1	5GHz 802.11ac VHT20	97.54	1904.00	0.53	1kHz	0.11
2	5GHz 802.11ac VHT20	98.36	1920.00	0.52	10Hz	0.07
1+2	5GHz 802.11ac VHT20	96.85	984.00	1.02	3kHz	0.14
1+2	5GHz 802.11ac VHT20	96.83	976.00	1.02	3kHz	0.14
1	5GHz 802.11ac VHT40	96.72	944.00	1.06	3kHz	0.14
2	5GHz 802.11ac VHT40	96.74	948.00	1.05	3kHz	0.14
1+2	5GHz 802.11ac VHT40 Ant. 1	93.89	492.00	2.03	3kHz	0.27
1+2	5GHz 802.11ac VHT40 Ant. 2	94.66	496.00	2.02	3kHz	0.24
1	5GHz 802.11ac VHT80	93.10	432.00	2.31	3kHz	0.31
2	5GHz 802.11ac VHT80	93.10	432.00	2.31	3kHz	0.31
1+2	5GHz 802.11ac VHT80	89.36	252.00	3.97	10kHz	0.49
1+2	5GHz 802.11ac VHT80	89.36	252.00	3.97	10kHz	0.49

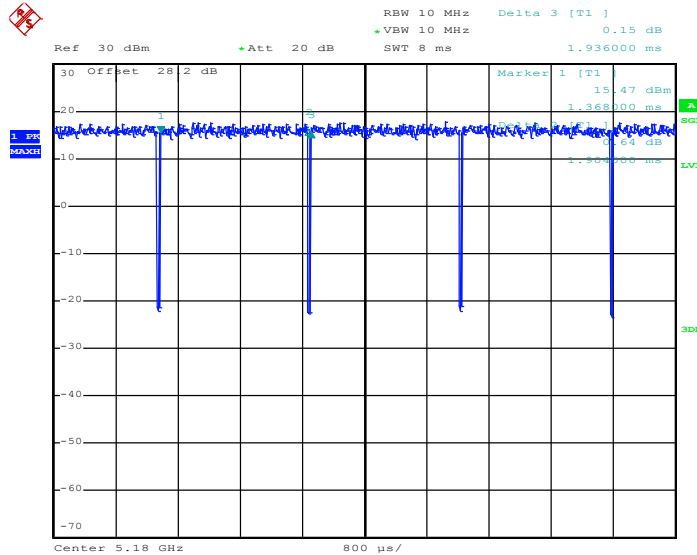
<Ant. 1>

802.11a



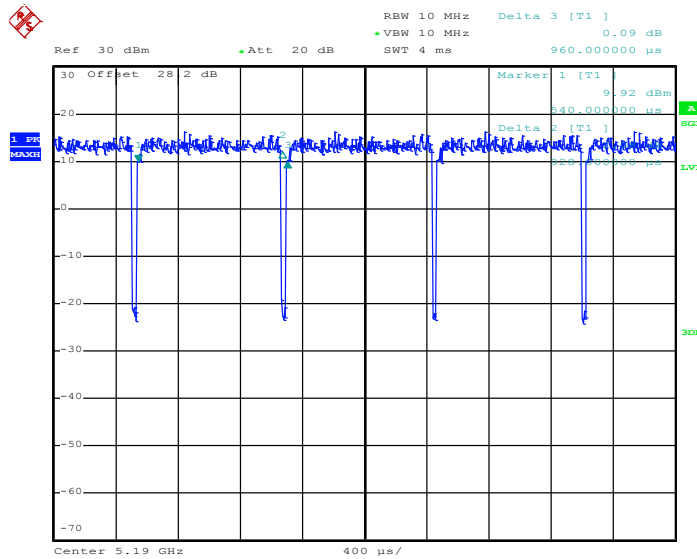
Date: 24.JAN.2018 01:06:38

802.11n HT20



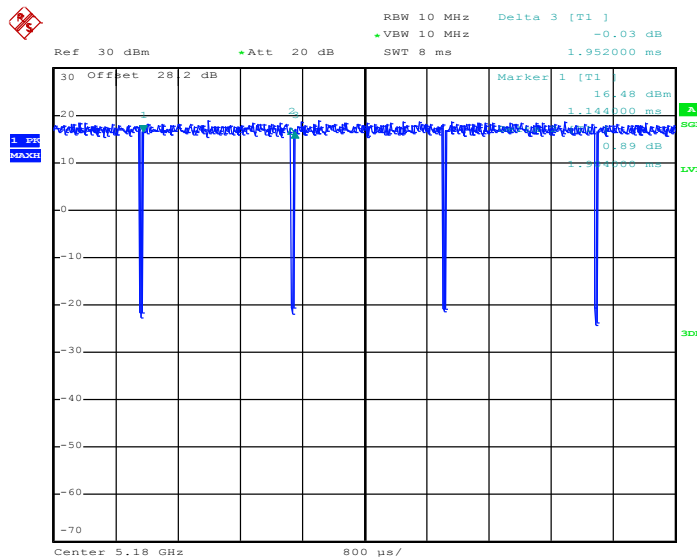
Date: 24.JAN.2018 22:47:41

802.11n HT40



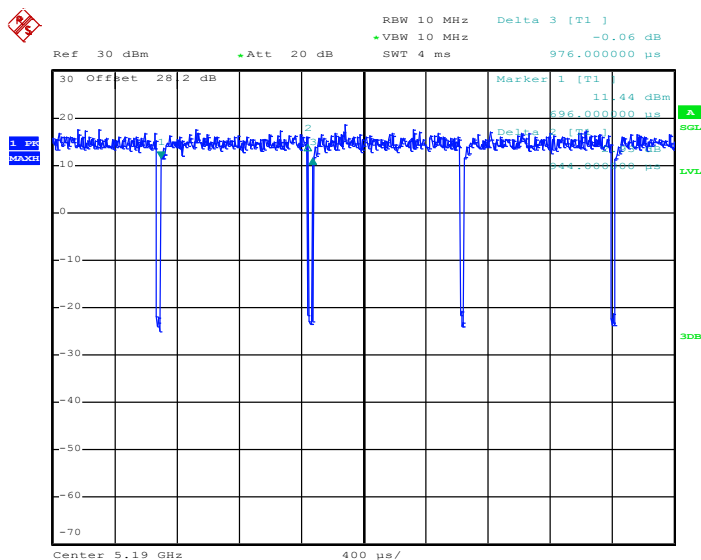
Date: 25.JAN.2018 00:58:24

802.11ac VHT20



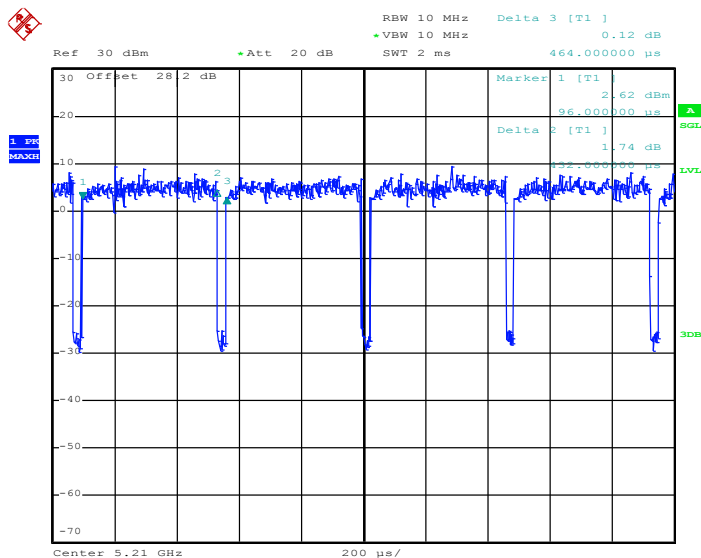
Date: 24.JAN.2018 23:57:25

802.11ac VHT40



Date: 25.JAN.2018 01:47:48

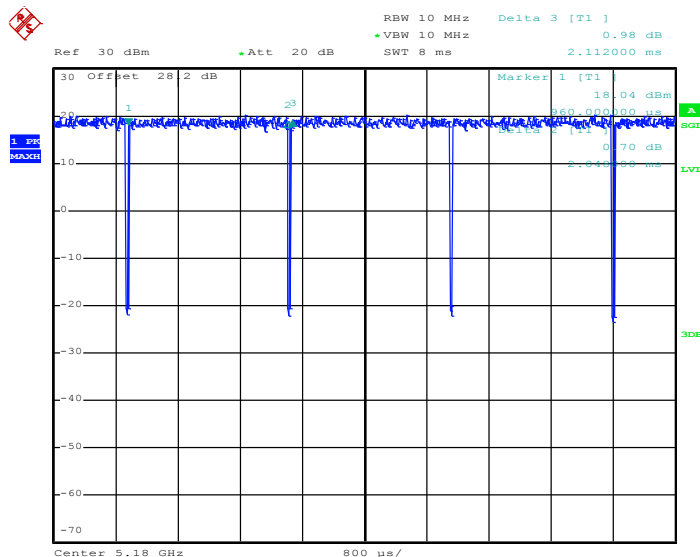
802.11ac VHT80



Date: 25.JAN.2018 10:39:23

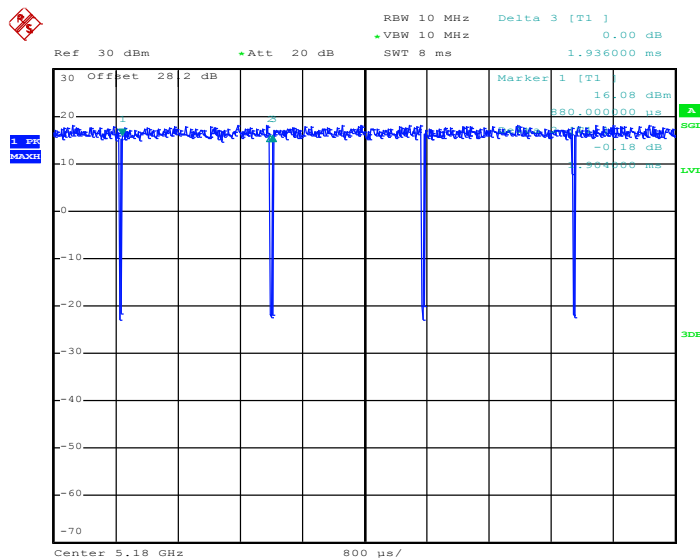
<Ant. 2>

802.11a



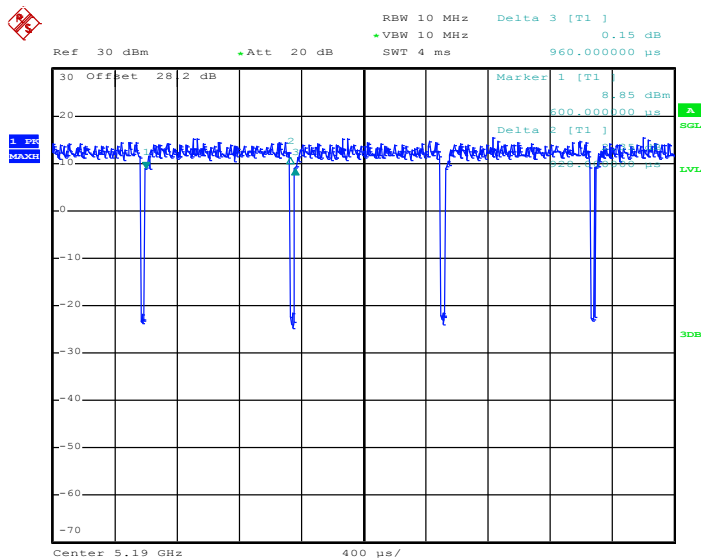
Date: 24.JAN.2018 01:08:32

802.11n HT20



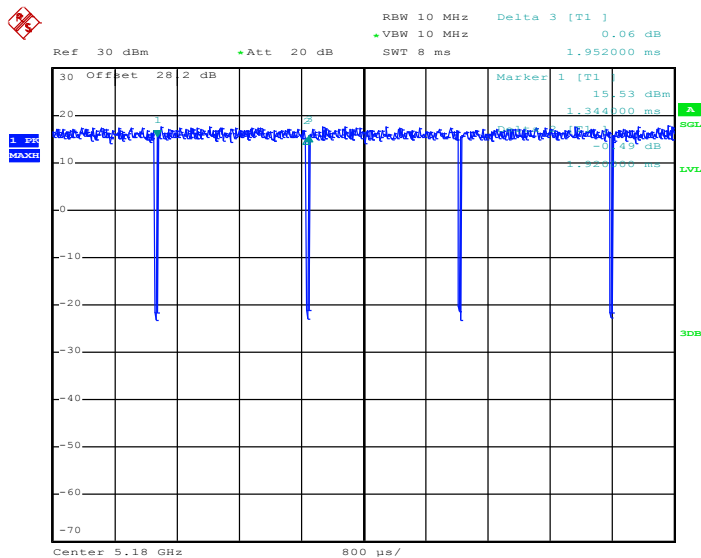
Date: 24.JAN.2018 22:50:05

802.11n HT40

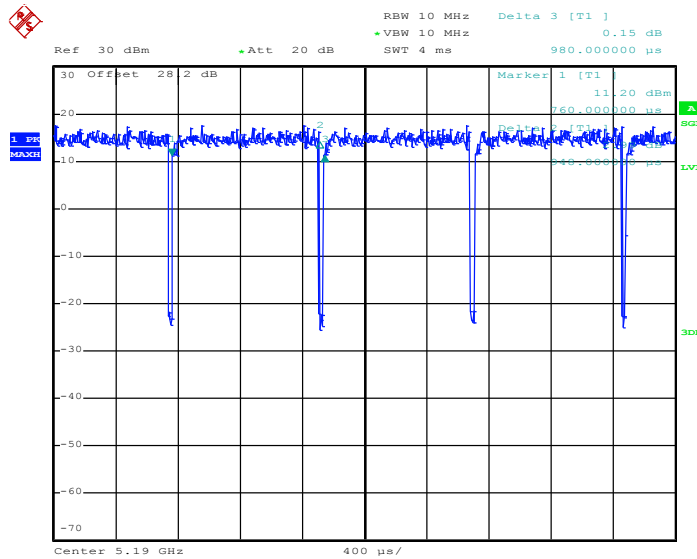


Date: 25.JAN.2018 01:02:14

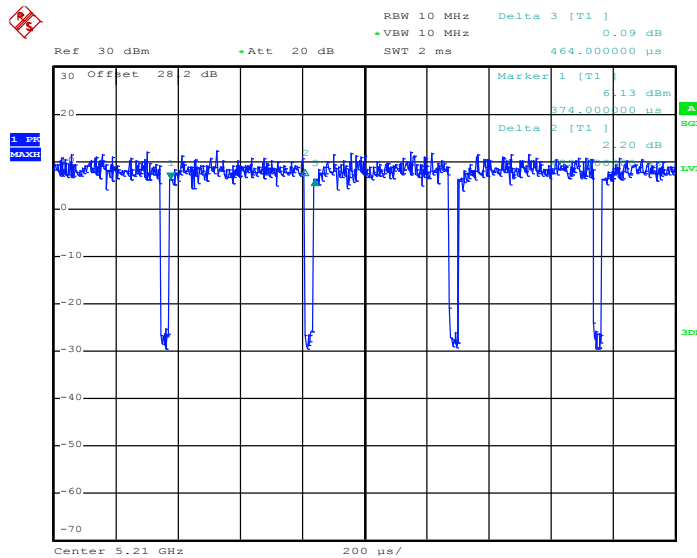
802.11ac VHT20



Date: 25.JAN.2018 00:03:30

802.11ac VHT40


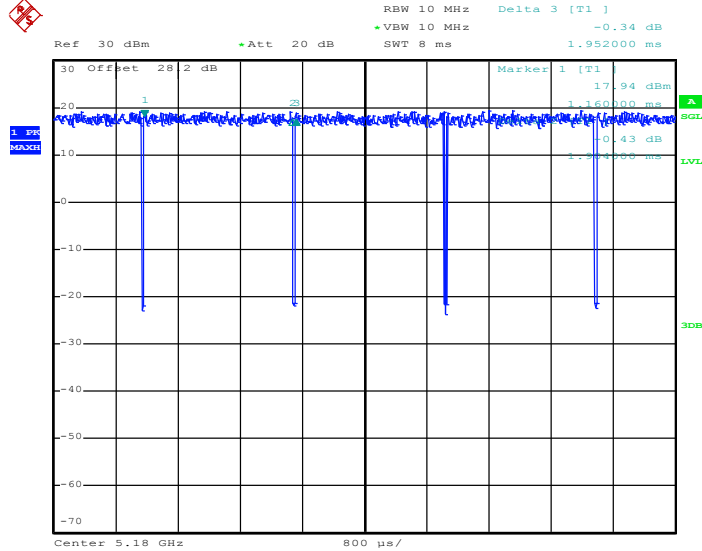
Date: 25.JAN.2018 01:49:12

802.11ac VHT80


Date: 25.JAN.2018 11:29:02

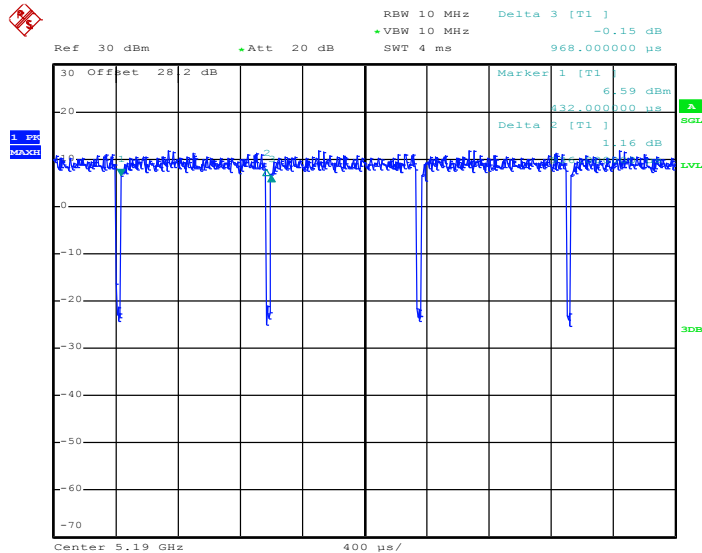
MIMO <Ant. 1>

802.11n HT20

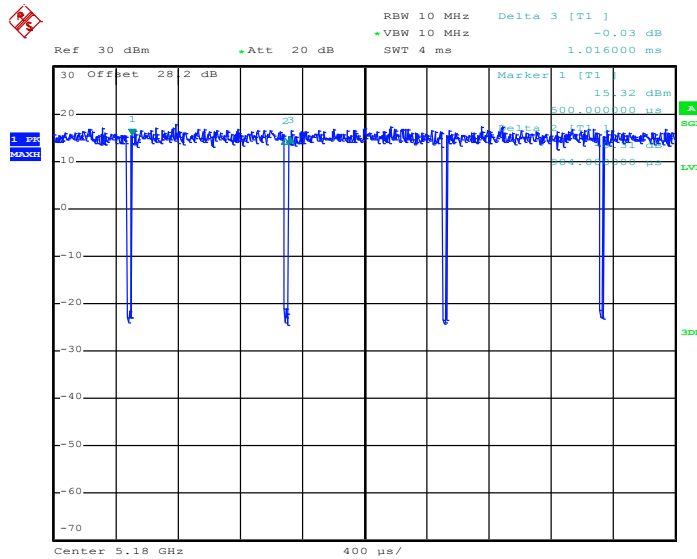


Date: 24.JAN.2018 23:52:44

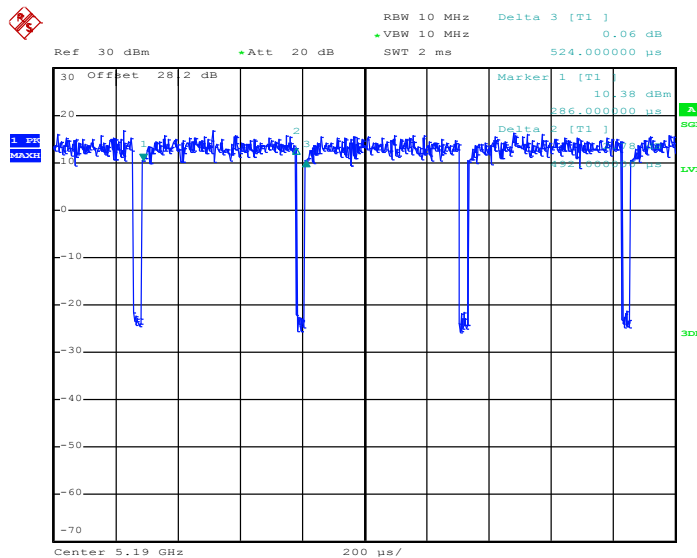
802.11n HT40



Date: 25.JAN.2018 01:03:45

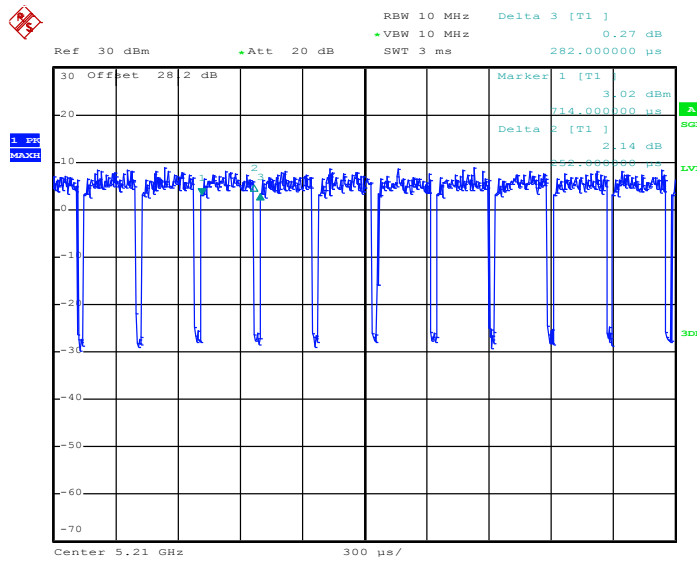
802.11ac VHT20


Date: 25.JAN.2018 00:06:15

802.11ac VHT40


Date: 25.JAN.2018 01:50:10

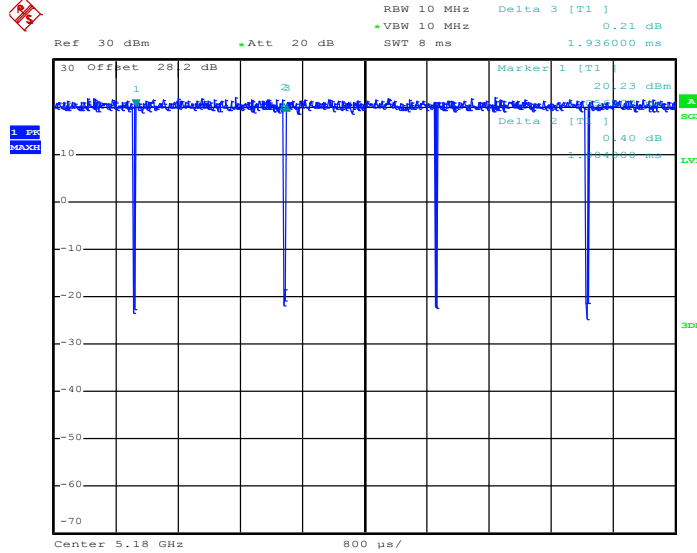
802.11ac VHT80



Date: 25.JAN.2018 16:43:29

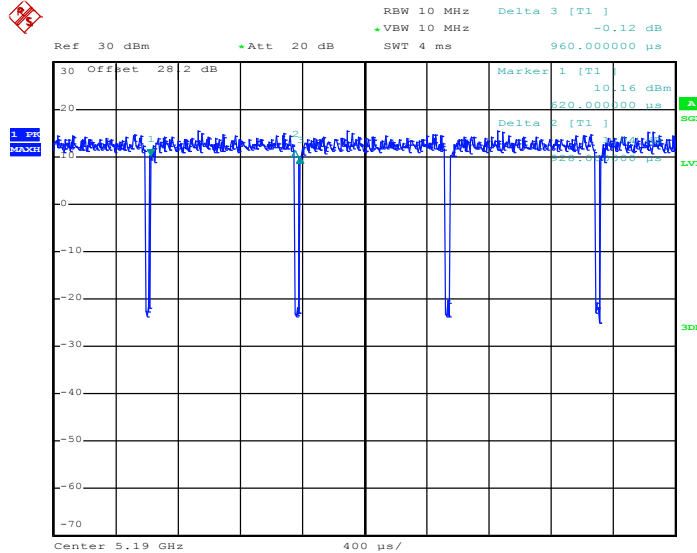
MIMO <Ant. 2>

802.11n HT20



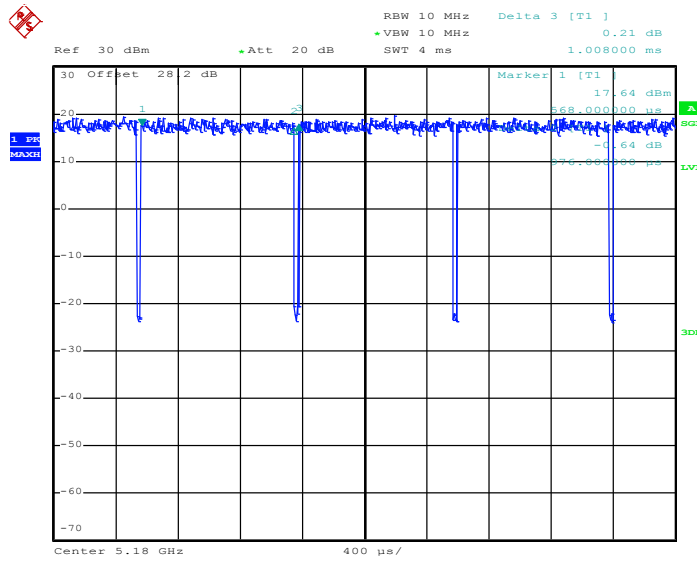
Date: 24.JAN.2018 23:54:38

802.11n HT40



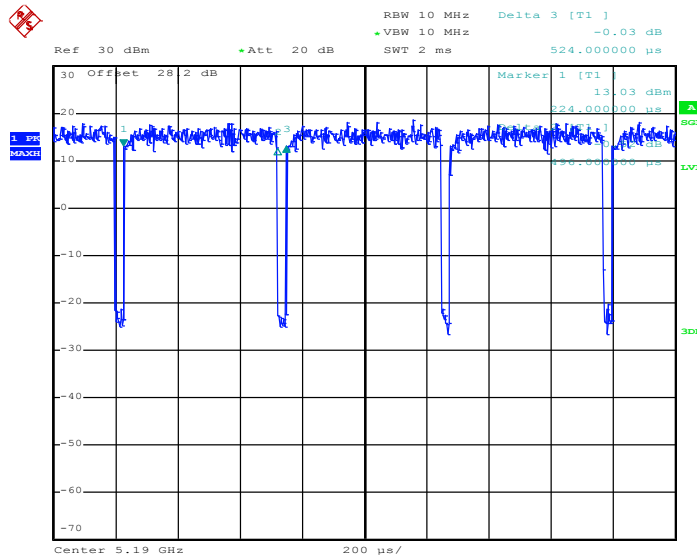
Date: 25.JAN.2018 01:05:05

802.11ac VHT20



Date: 25.JAN.2018 00:07:07

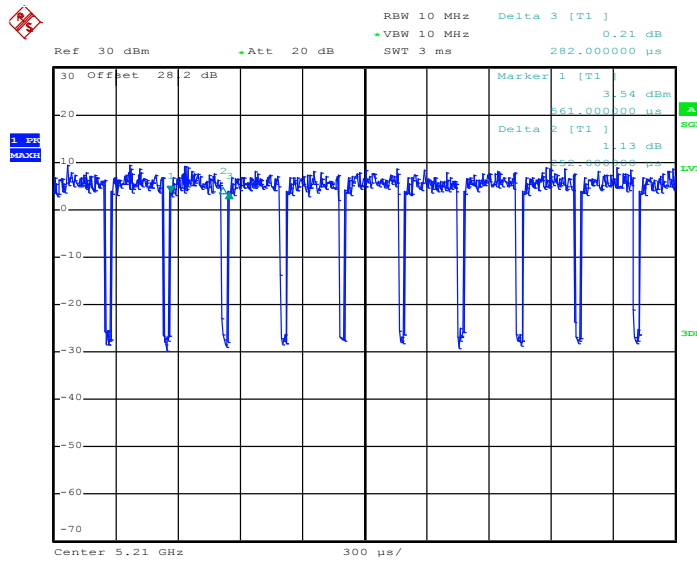
802.11ac VHT40



Date: 25.JAN.2018 01:50:49



802.11ac VHT80



Date: 25.JAN.2018 16:44:58