FCC RADIO TEST REPORT

FCC ID	:	**2AUWUFAIRPHONE3**
Equipment	:	**Smart Phone**
Brand Name	:	**Fairphone**
Model Name	:	**Fairphone 3**
Marketing Name	:	**Fairphone 3**
Applicant	:	**FairPhone B.V.** **Jollemanhof 17, 1019 GW,** **Amsterdam, the Netherlands**
Manufacturer	:	**FairPhone B.V.** **Jollemanhof 17, 1019 GW,** **Amsterdam, the Netherlands**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Oct. 23, 2019 and testing was started from Oct. 31, 2019 and completed on Nov. 21, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Louis Wu

Approved by: Louis Wu

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

Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **5**
1.1 Product Feature of Equipment Under Test 5
1.2 Modification of EUT 5
1.3 Testing Location 5
1.4 Applicable Standards 6
2 Test Configuration of Equipment Under Test **7**
2.1 Carrier Frequency and Channel 7
2.2 Test Mode 8
2.3 Connection Diagram of Test System 9
2.4 Support Unit used in test configuration and system 9
2.5 EUT Operation Test Setup 10
2.6 Measurement Results Explanation Example 10
3 Test Result **11**
3.1 26dB & 99% Occupied Bandwidth Measurement 11
3.2 Maximum Conducted Output Power Measurement 13
3.3 Power Spectral Density Measurement 15
3.4 Unwanted Emissions Measurement 18
3.5 AC Conducted Emission Measurement 23
3.6 Automatically Discontinue Transmission 25
3.7 Antenna Requirements 26
4 List of Measuring Equipment **27**
5 Uncertainty of Evaluation **29**
Appendix A. Conducted Test Results
Appendix B. AC Conducted Emission Test Result
Appendix C. Radiated Spurious Emission
Appendix D. Radiated Spurious Emission Plots
Appendix E. Duty Cycle Plots
Appendix F. Setup Photographs

History of this test report

Report No.	Version	Description	Issued Date
FR9O2318E	01	Initial issue of report	Nov. 27, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.42 dB at 5453.440 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 7.05 dB at 0.470 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Vivian Hsu

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS.

Product Specification subjective to this standard	
Sample 1	EUT with 1st source
Sample 2	EUT with 2nd source
Antenna Type	WWAN: PIFA Antenna WLAN: Embedded Inverted-F Antenna Bluetooth: Embedded Inverted-F Antenna GPS / Glonass: PIFA Antenna NFC: Loop Antenna

Remark: All test items were performed with Sample 1.

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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.

FCC designation No.: TW1190 and TW0007

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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: conduction emission (150 kHz to 30 MHz), 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 (Z plane) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

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

Note:

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

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

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

Test Cases	
AC Conducted Emission	Mode 1 : LTE Band 13 Idle + Bluetooth Link + WLAN (5GHz) Link + GPS Rx + MP3 + NFC On + USB Cable (Charging from AC Adapter) + Earphone + SIM 1

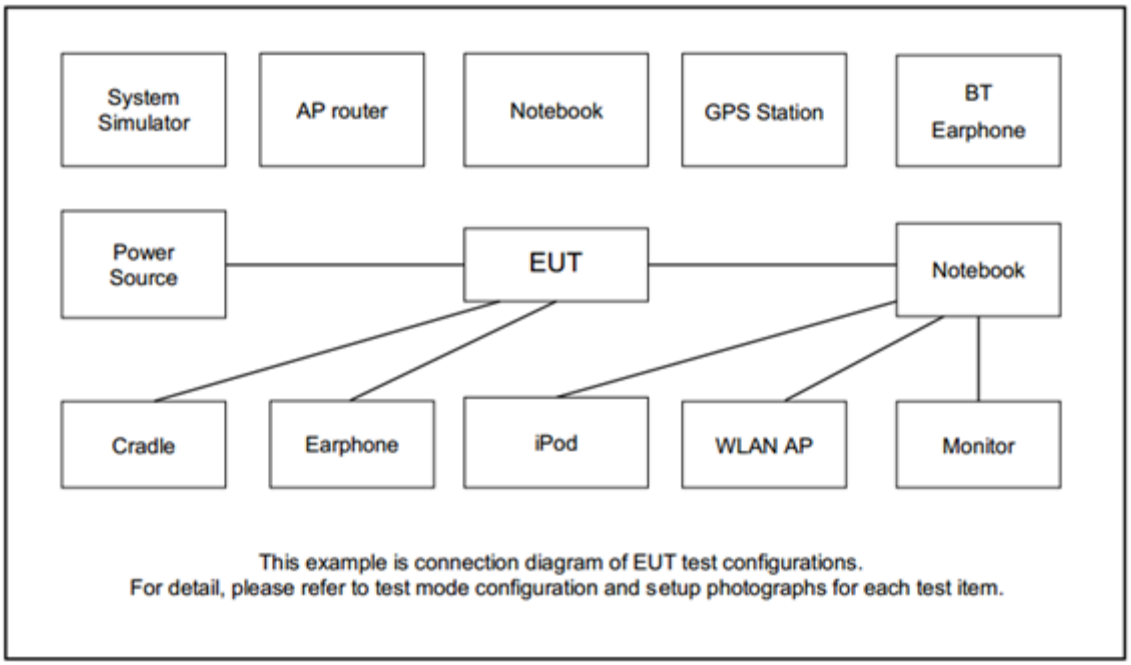
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	Adapter	LG	MCS-04WT	FCC DoC	N/A	N/A
4.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
5.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
6.	NOTE BOOK	Dell	Latitude E3400	FCC DoC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m
7.	Adapter	SONY	EP800	Doc	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QRCT_V3.0.303.0" was installed in Notebook 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.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

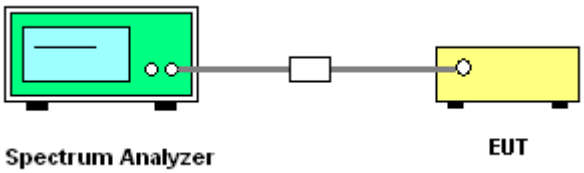
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

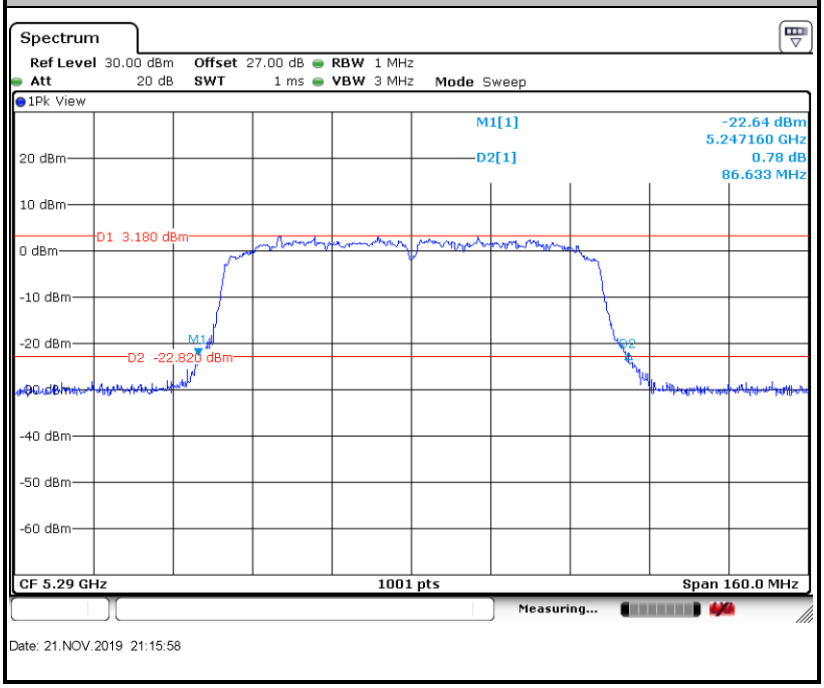
3.1.4 Test Setup



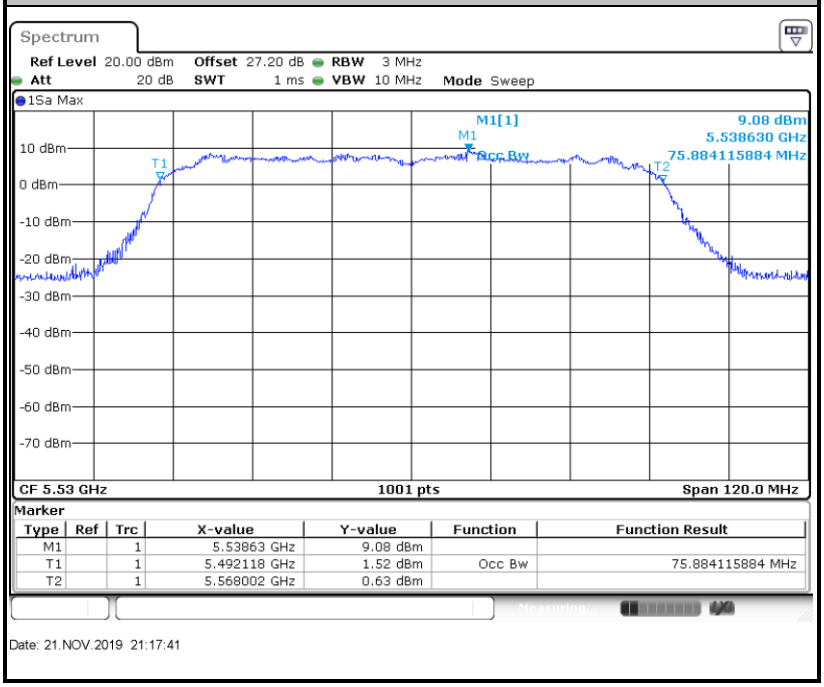
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

- The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 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.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.2.4 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

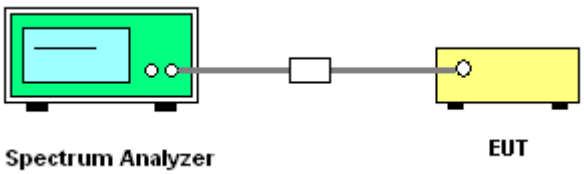
 # Method SA-3 #

(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × 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.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

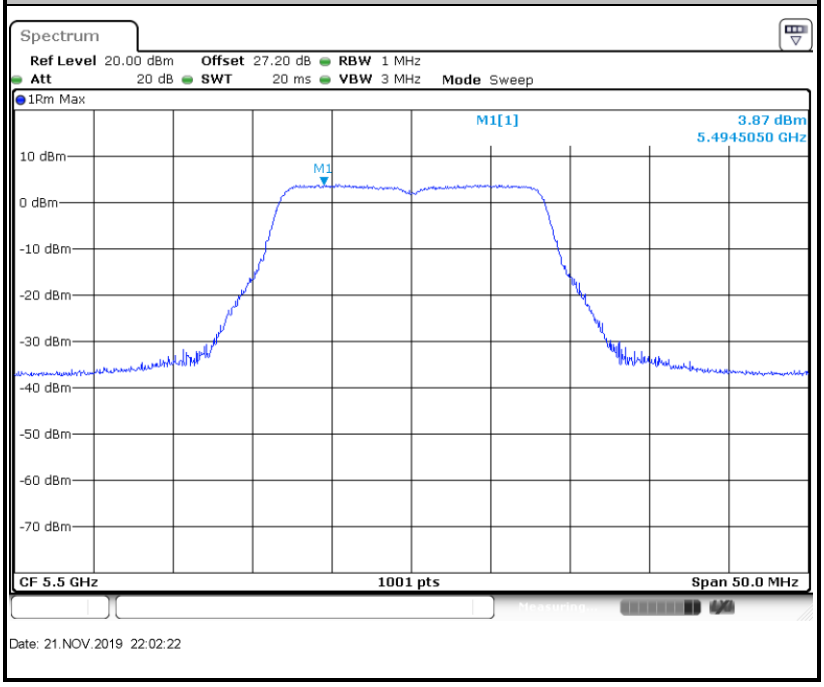
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

(2) Unwanted spurious emissions fallen in restricted bands 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.

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit 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.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

   Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

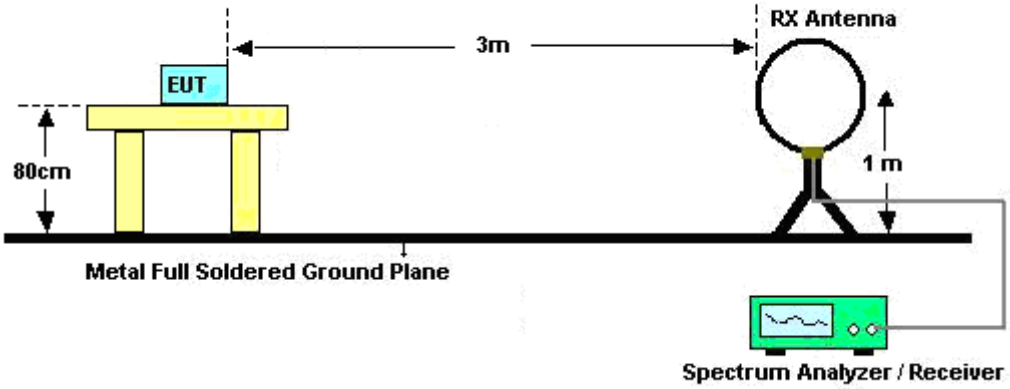
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 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.

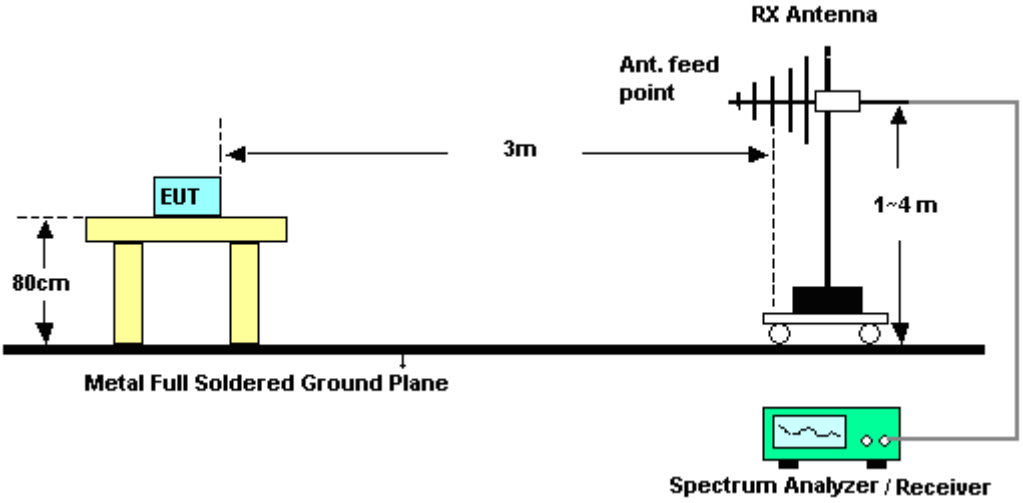
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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.

3.4.4 Test Setup

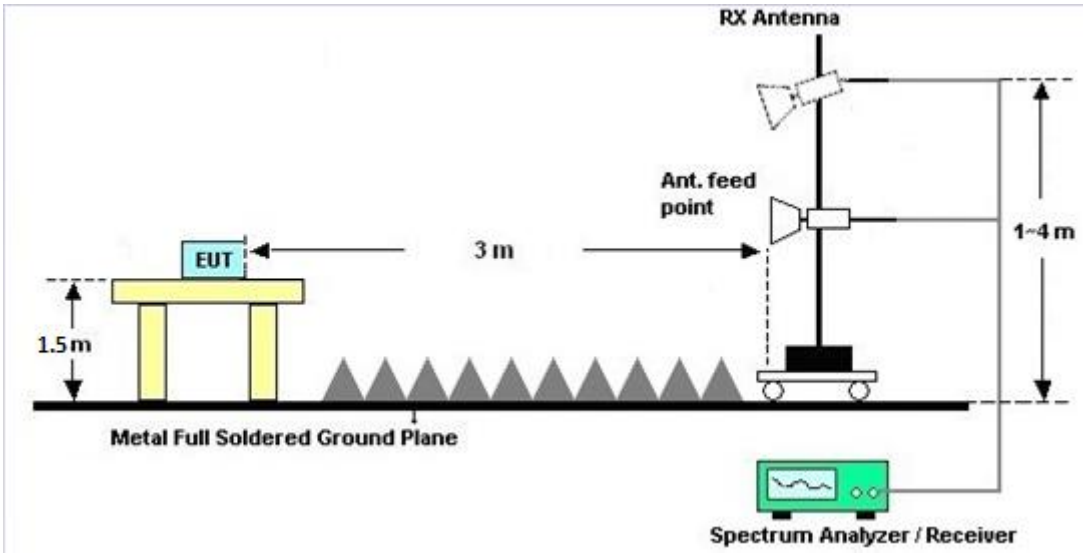
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated 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 alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

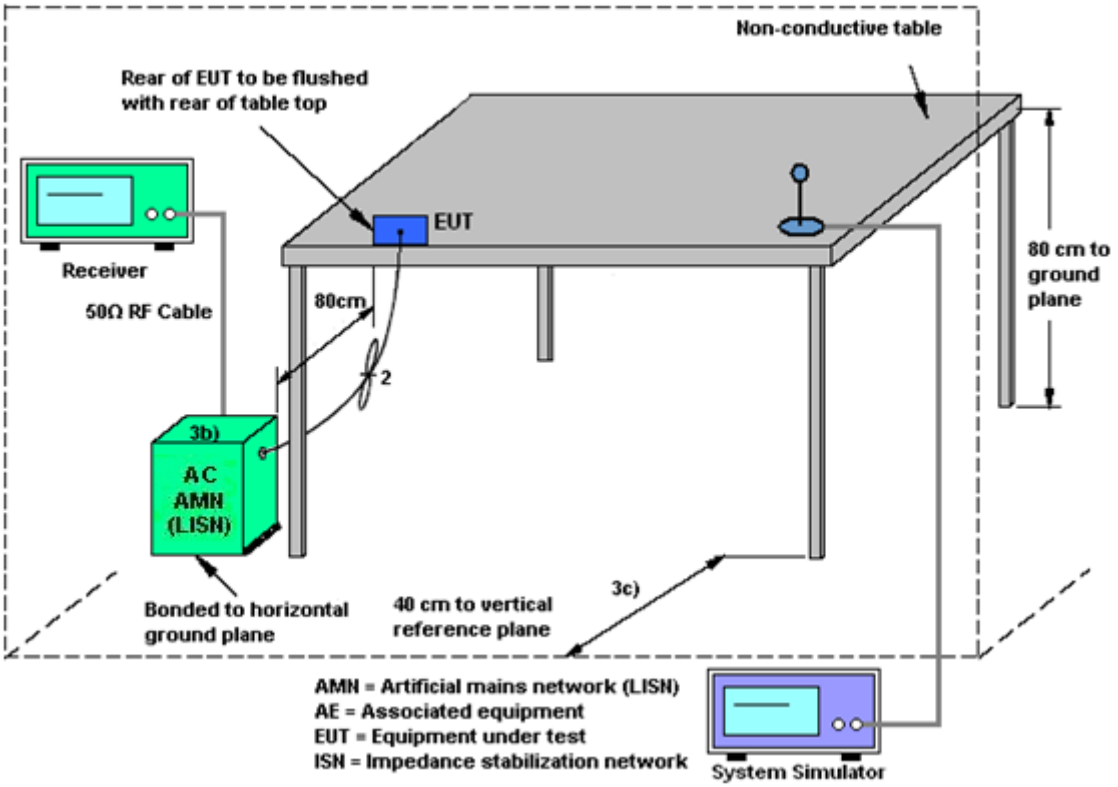
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 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.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Oct. 31, 2019~ Nov. 01, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Oct. 31, 2019~ Nov. 01, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Oct. 31, 2019~ Nov. 01, 2019	Nov. 13, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Oct. 31, 2019~ Nov. 01, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Oct. 31, 2019~ Nov. 01, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Oct. 31, 2019~ Nov. 01, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Power Sensor	DARE	RPR3006W	13I00030S NO32	9kHz~6GHz	Dec. 03, 2018	Nov, 01, 2019~ Nov, 21, 2019	Dec. 02, 2019	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Jul. 15, 2019	Nov, 01, 2019~ Nov, 21, 2019	Jul. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC120838 2	N/A	Mar. 27, 2019	Nov, 01, 2019~ Nov, 21, 2019	Mar. 26, 2020	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 07, 2019	Nov. 04, 2019~ Nov. 16, 2019	Jan. 06, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-124 1	1GHz ~ 18GHz	Jul. 02, 2019	Nov. 04, 2019~ Nov. 16, 2019	Jul. 01, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 30, 2019	Nov. 04, 2019~ Nov. 16, 2019	Apr. 29, 2020	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec. 05, 2018	Nov. 04, 2019~ Nov. 16, 2019	Dec. 04, 2019	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY532701 47	1GHz~26.5GHz	Mar. 15, 2019	Nov. 04, 2019~ Nov. 16, 2019	Mar. 14, 2020	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 20, 2019	Nov. 04, 2019~ Nov. 16, 2019	May 19, 2020	Radiation (03CH13-HY)
Amplifier	Sonoma-Instru ment	310 N	187282	9KHz~1GHz	Dec. 18, 2018	Nov. 04, 2019~ Nov. 16, 2019	Dec. 17, 2019	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 06, 2018	Nov. 04, 2019~ Nov. 16, 2019	Dec. 05, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 13, 2019	Nov. 04, 2019~ Nov. 16, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 13, 2019	Nov. 04, 2019~ Nov. 16, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/ 4	30M-18G	Feb. 13, 2019	Nov. 04, 2019~ Nov. 16, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 13, 2019	Nov. 04, 2019~ Nov. 16, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 13, 2019	Nov. 04, 2019~ Nov. 16, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY553705 26	10Hz~44GHz	Mar. 19, 2019	Nov. 04, 2019~ Nov. 16, 2019	Mar. 18, 2020	Radiation (03CH13-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 04, 2019~ Nov. 16, 2019	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 04, 2019~ Nov. 16, 2019	N/A	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Nov. 04, 2019~ Nov. 16, 2019	N/A	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2019	Nov. 04, 2019~ Nov. 16, 2019	Oct. 31, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 14, 2019	Nov. 04, 2019~ Nov. 16, 2019	Jul. 13, 2020	Radiation (03CH13-HY)
Filter	Woken	WHKX8-5272.5-6750-18000-40ST	SN5	6.75G Highpass	Mar.13, 2019	Nov. 04, 2019~ Nov. 16, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 16, 2019	Nov. 04, 2019~ Nov. 16, 2019	Sep. 15, 2020	Radiation (03CH13-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2

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:	Kai Liao	Temperature:	21~25	°C
Test Date:	2019/11/1 ~11/21	Relative Humidity:	51~54	%

Report Number : FR9O2328E

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	17.13	-	23.73	-	-		22.34	-		
11a	6Mbps	1	44	5220	17.13	-	23.68	-	-		22.34	-		
11a	6Mbps	1	48	5240	17.08	-	23.63	-	-		22.33	-		
HT20	MCS0	1	36	5180	18.13	-	23.98	-	-		22.58	-		
HT20	MCS0	1	44	5220	18.13	-	23.83	-	-		22.58	-		
HT20	MCS0	1	48	5240	18.13	-	23.78	-	-		22.58	-		
HT40	MCS0	1	38	5190	36.86	-	44.87	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.76	-	45.58	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.64	-	84.72	-	-		23.01	-		

Report Number : FR9O2328E

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	13.80	-		24.00	-	-0.60	-		Pass
11a	6Mbps	1	44	5220	13.90	-		24.00	-	-0.60	-		Pass
11a	6Mbps	1	48	5240	13.80	-		24.00	-	-0.60	-		Pass
HT20	MCS0	1	36	5180	13.90	-		24.00	-	-0.60	-		Pass
HT20	MCS0	1	44	5220	13.70	-		24.00	-	-0.60	-		Pass
HT20	MCS0	1	48	5240	13.60	-		24.00	-	-0.60	-		Pass
HT40	MCS0	1	38	5190	13.80	-		24.00	-	-0.60	-		Pass
HT40	MCS0	1	46	5230	14.00	-		24.00	-	-0.60	-		Pass
VHT20	MCS0	1	36	5180	13.80	-		24.00	-	-0.60	-		Pass
VHT20	MCS0	1	44	5220	13.60	-		24.00	-	-0.60	-		Pass
VHT20	MCS0	1	48	5240	13.50	-		24.00	-	-0.60	-		Pass
VHT40	MCS0	1	38	5190	13.70	-		24.00	-	-0.60	-		Pass
VHT40	MCS0	1	46	5230	13.90	-		24.00	-	-0.60	-		Pass
VHT80	MCS0	1	42	5210	11.60	-		24.00	-	-0.60	-		Pass

Report Number : FR9O2328E

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	3.51	-		11.00	-	-0.60	-		Pass
11a	6Mbps	1	44	5220	3.65	-		11.00	-	-0.60	-		Pass
11a	6Mbps	1	48	5240	3.40	-		11.00	-	-0.60	-		Pass
HT20	MCS0	1	36	5180	3.60	-		11.00	-	-0.60	-		Pass
HT20	MCS0	1	44	5220	3.34	-		11.00	-	-0.60	-		Pass
HT20	MCS0	1	48	5240	2.99	-		11.00	-	-0.60	-		Pass
HT40	MCS0	1	38	5190	-0.22	-		11.00	-	-0.60	-		Pass
HT40	MCS0	1	46	5230	-0.13	-		11.00	-	-0.60	-		Pass
VHT80	MCS0	1	42	5210	-5.10	-		11.00	-	-0.60	-		Pass

Report Number : FR9O2328E

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	17.13	-	23.58	-	23.34	-	29.34	-	23.98	-	
11a	6Mbps	1	60	5300	17.13	-	23.78	-	23.34	-	29.34	-	23.98	-	
11a	6Mbps	1	64	5320	17.13	-	23.88	-	23.34	-	29.34	-	23.98	-	
HT20	MCS0	1	52	5260	18.08	-	23.88	-	23.57	-	29.57	-	23.98	-	
HT20	MCS0	1	60	5300	18.23	-	24.08	-	23.61	-	29.61	-	23.98	-	
HT20	MCS0	1	64	5320	18.18	-	23.83	-	23.60	-	29.60	-	23.98	-	
HT40	MCS0	1	54	5270	37.16	-	46.12	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.76	-	45.32	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.76	-	86.63	-	23.98	-	30.00	-	23.98	-	

Report Number : FR9O2328E

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	13.70	-		23.98	-	-0.60	-	26.99	Pass
11a	6Mbps	1	60	5300	13.70	-		23.98	-	-0.60	-	26.99	Pass
11a	6Mbps	1	64	5320	13.60	-		23.98	-	-0.60	-	26.99	Pass
HT20	MCS0	1	52	5260	13.80	-		23.98	-	-0.60	-	26.99	Pass
HT20	MCS0	1	60	5300	13.70	-		23.98	-	-0.60	-	26.99	Pass
HT20	MCS0	1	64	5320	13.60	-		23.98	-	-0.60	-	26.99	Pass
HT40	MCS0	1	54	5270	14.00	-		23.98	-	-0.60	-	26.99	Pass
HT40	MCS0	1	62	5310	13.90	-		23.98	-	-0.60	-	26.99	Pass
VHT20	MCS0	1	52	5260	13.70	-		23.98	-	-0.60	-	26.99	Pass
VHT20	MCS0	1	60	5300	13.60	-		23.98	-	-0.60	-	26.99	Pass
VHT20	MCS0	1	64	5320	13.50	-		23.98	-	-0.60	-	26.99	Pass
VHT40	MCS0	1	54	5270	13.90	-		23.98	-	-0.60	-	26.99	Pass
VHT40	MCS0	1	62	5310	13.80	-		23.98	-	-0.60	-	26.99	Pass
VHT80	MCS0	1	58	5290	11.60	-		23.98	-	-0.60	-	26.99	Pass

Report Number : FR9O2328E

TEST RESULTS DATA
Power Spectral Density

Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	3.66	-		11.00	-	-0.60	-		Pass
11a	6Mbps	1	60	5300	3.41	-		11.00	-	-0.60	-		Pass
11a	6Mbps	1	64	5320	3.63	-		11.00	-	-0.60	-		Pass
HT20	MCS0	1	52	5260	3.48	-		11.00	-	-0.60	-		Pass
HT20	MCS0	1	60	5300	3.03	-		11.00	-	-0.60	-		Pass
HT20	MCS0	1	64	5320	3.26	-		11.00	-	-0.60	-		Pass
HT40	MCS0	1	54	5270	0.09	-		11.00	-	-0.60	-		Pass
HT40	MCS0	1	62	5310	0.09	-		11.00	-	-0.60	-		Pass
VHT80	MCS0	1	58	5290	-4.21	-		11.00	-	-0.60	-		Pass

Report Number : FR9O2328E

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	17.18	-	24.23	-	23.35	-	29.35	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.18	-	23.88	-	23.35	-	29.35	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.18	-	23.53	-	23.35	-	29.35	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.13	-	23.88	-	23.58	-	29.58	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.08	-	24.63	-	23.57	-	29.57	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.13	-	23.98	-	23.58	-	29.58	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.86	-	45.49	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.76	-	45.94	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.76	-	45.94	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.88	-	84.72	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.76	-	86.15	-	23.98	-	30.00	-	23.98	-	----	----

Report Number : FR9O2328E

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	14.00	-		23.98	-	0.90	-	26.99	Pass
11a	6Mbps	1	116	5580	13.70	-		23.98	-	0.90	-	26.99	Pass
11a	6Mbps	1	140	5700	13.80	-		23.98	-	0.90	-	26.99	Pass
HT20	MCS0	1	100	5500	13.80	-		23.98	-	0.90	-	26.99	Pass
HT20	MCS0	1	116	5580	14.00	-		23.98	-	0.90	-	26.99	Pass
HT20	MCS0	1	140	5700	13.90	-		23.98	-	0.90	-	26.99	Pass
HT40	MCS0	1	102	5510	13.70	-		23.98	-	0.90	-	26.99	Pass
HT40	MCS0	1	110	5550	13.60	-		23.98	-	0.90	-	26.99	Pass
HT40	MCS0	1	134	5670	13.60	-		23.98	-	0.90	-	26.99	Pass
VHT20	MCS0	1	100	5500	13.70	-		23.98	-	0.90	-	26.99	Pass
VHT20	MCS0	1	116	5580	13.90	-		23.98	-	0.90	-	26.99	Pass
VHT20	MCS0	1	140	5700	13.80	-		23.98	-	0.90	-	26.99	Pass
VHT40	MCS0	1	102	5510	13.60	-		23.98	-	0.90	-	26.99	Pass
VHT40	MCS0	1	110	5550	13.50	-		23.98	-	0.90	-	26.99	Pass
VHT40	MCS0	1	134	5670	13.50	-		23.98	-	0.90	-	26.99	Pass
VHT80	MCS0	1	106	5530	12.00	-		23.98	-	0.90	-	26.99	Pass
VHT80	MCS0	1	122	5610	12.00	-		23.98	-	0.90	-	26.99	Pass

Report Number : FR9O2328E

TEST RESULTS DATA
Power Spectral Density

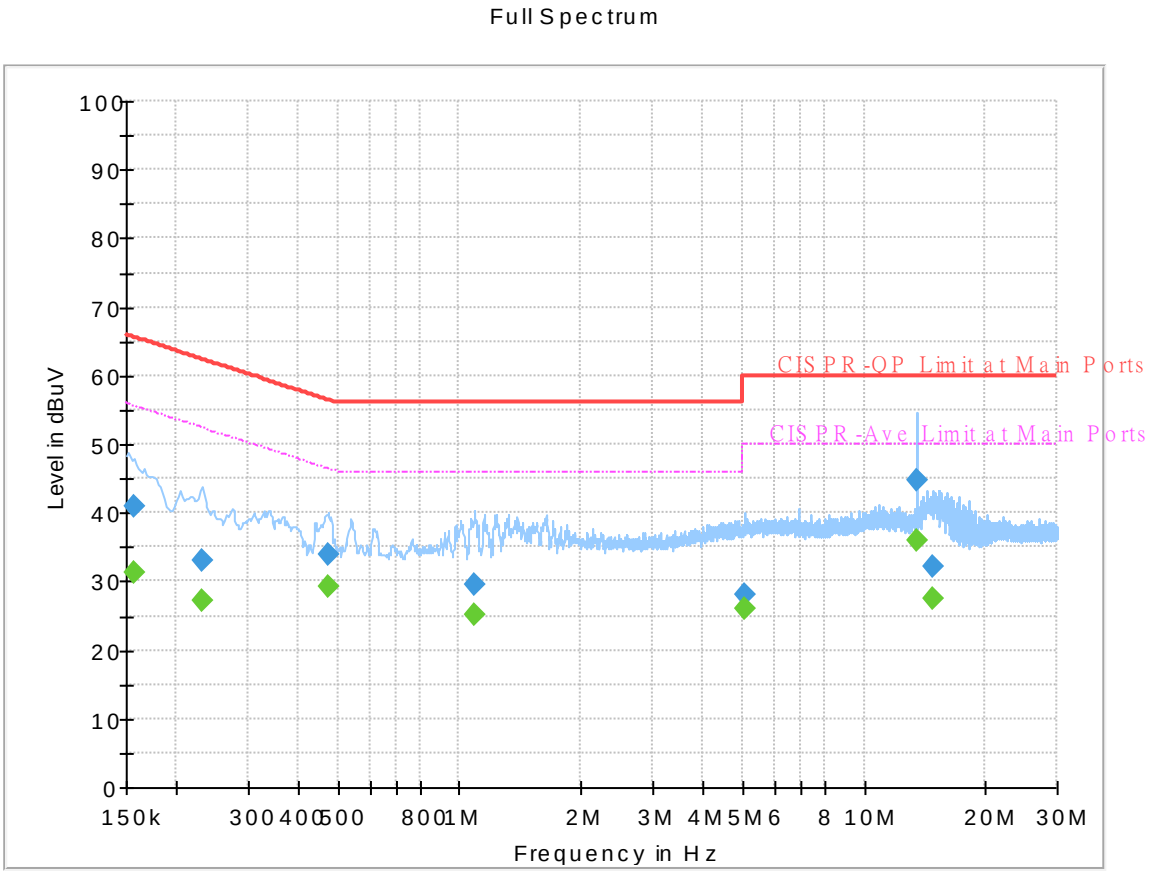
Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	3.87	-		11.00	-	0.90	-		Pass
11a	6Mbps	1	116	5580	3.71	-		11.00	-	0.90	-		Pass
11a	6Mbps	1	140	5700	3.59	-		11.00	-	0.90	-		Pass
HT20	MCS0	1	100	5500	3.42	-		11.00	-	0.90	-		Pass
HT20	MCS0	1	116	5580	3.70	-		11.00	-	0.90	-		Pass
HT20	MCS0	1	140	5700	3.31	-		11.00	-	0.90	-		Pass
HT40	MCS0	1	102	5510	0.43	-		11.00	-	0.90	-		Pass
HT40	MCS0	1	110	5550	0.25	-		11.00	-	0.90	-		Pass
HT40	MCS0	1	134	5670	0.20	-		11.00	-	0.90	-		Pass
VHT80	MCS0	1	106	5530	-5.58	-		11.00	-	0.90	-		Pass
VHT80	MCS0	1	122	5610	-3.89	-		11.00	-	0.90	-		Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	25.1~26.3℃
		Relative Humidity :	47.5~52.6%

EUT Information

Report NO :	9O2328
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

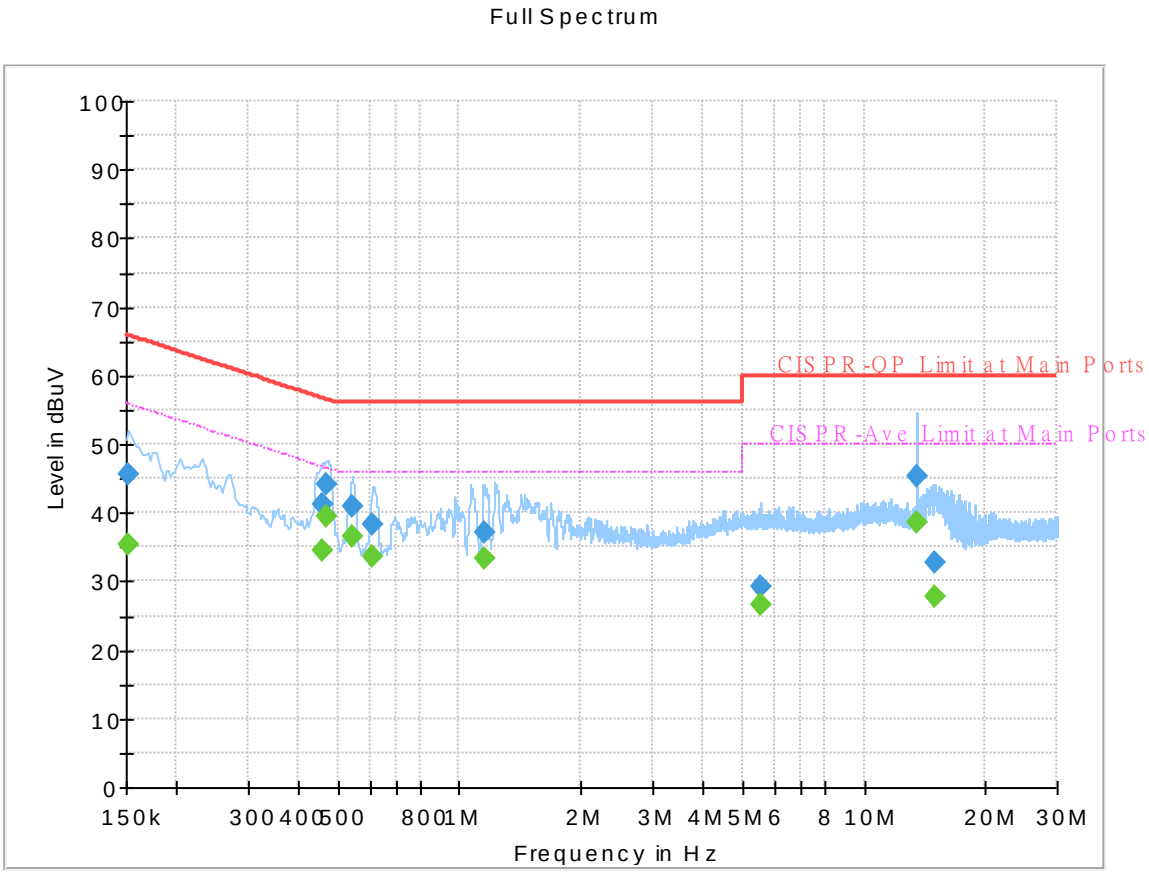


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	31.36	55.63	24.27	L1	OFF	19.4
0.156750	40.83	---	65.63	24.80	L1	OFF	19.4
0.231000	---	27.24	52.41	25.17	L1	OFF	19.4
0.231000	32.92	---	62.41	29.49	L1	OFF	19.4
0.474000	---	29.30	46.44	17.14	L1	OFF	19.4
0.474000	33.91	---	56.44	22.53	L1	OFF	19.4
1.086000	---	25.04	46.00	20.96	L1	OFF	19.5
1.086000	29.52	---	56.00	26.48	L1	OFF	19.5
5.075250	---	25.92	50.00	24.08	L1	OFF	19.6
5.075250	27.94	---	60.00	32.06	L1	OFF	19.6
13.560000	---	35.97	50.00	14.03	L1	OFF	19.9
13.560000	44.79	---	60.00	15.21	L1	OFF	19.9
14.754750	---	27.48	50.00	22.52	L1	OFF	20.0
14.754750	32.20	---	60.00	27.80	L1	OFF	20.0

EUT Information

Report NO :	9O2328
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.29	55.88	20.59	N	OFF	19.5
0.152250	45.72	---	65.88	20.16	N	OFF	19.5
0.458250	---	34.36	46.72	12.36	N	OFF	19.5
0.458250	41.29	---	56.72	15.43	N	OFF	19.5
0.469500	---	39.47	46.52	7.05	N	OFF	19.5
0.469500	44.21	---	56.52	12.31	N	OFF	19.5
0.543750	---	36.48	46.00	9.52	N	OFF	19.5
0.543750	40.93	---	56.00	15.07	N	OFF	19.5
0.609000	---	33.59	46.00	12.41	N	OFF	19.5
0.609000	38.27	---	56.00	17.73	N	OFF	19.5
1.151250	---	33.40	46.00	12.60	N	OFF	19.5
1.151250	37.04	---	56.00	18.96	N	OFF	19.5
5.527500	---	26.72	50.00	23.28	N	OFF	19.7
5.527500	29.15	---	60.00	30.85	N	OFF	19.7
13.560000	---	38.65	50.00	11.35	N	OFF	20.0
13.560000	45.46	---	60.00	14.54	N	OFF	20.0
14.921250	---	27.88	50.00	22.12	N	OFF	20.1
14.921250	32.76	---	60.00	27.24	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Ryan Lin、JC Liang、Wilson Wu	Temperature :	21.5~23.5°C
		Relative Humidity :	46.5~55.5%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz	-	5126.62	53.13	-20.87	74	41.76	32	6.07	26.7	211	62	P	H
	-	5127.66	46.53	-7.47	54	35.16	32	6.07	26.7	211	62	A	H
	*	5180	105.95	-	-	94.73	31.82	6.1	26.7	211	62	P	H
	*	5180	98.4	-	-	87.18	31.82	6.1	26.7	211	62	A	H
	-	5128.18	52.47	-21.53	74	41.1	32	6.07	26.7	216	358	P	V
	-	5127.66	45.51	-8.49	54	34.14	32	6.07	26.7	216	358	A	V
	*	5180	106.97	-	-	95.75	31.82	6.1	26.7	216	358	P	V
	*	5180	98.15	-	-	86.93	31.82	6.1	26.7	216	358	A	V
802.11a CH 44 5220MHz	-	5095.68	52.12	-21.88	74	40.8	31.98	6.05	26.71	218	60	P	H
	-	5120.9	43.74	-10.26	54	32.38	32	6.07	26.71	218	60	A	H
	*	5220	105.31	-	-	94.32	31.58	6.11	26.7	218	60	P	H
	*	5220	97.31	-	-	86.32	31.58	6.11	26.7	218	60	A	H
	-	5428.08	50.43	-23.57	74	39.26	31.71	6.15	26.69	218	60	P	H
	-	5409.32	41.96	-12.04	54	30.88	31.64	6.13	26.69	218	60	A	H
	-	5046.8	52.25	-21.75	74	41.14	31.79	6.03	26.71	215	358	P	V
	-	5093.86	43.59	-10.41	54	32.27	31.98	6.05	26.71	215	358	A	V
	*	5220	106.75	-	-	95.76	31.58	6.11	26.7	215	358	P	V
	*	5220	98.67	-	-	87.68	31.58	6.11	26.7	215	358	A	V
	-	5456.92	50.81	-23.19	74	39.51	31.81	6.18	26.69	215	358	P	V
	-	5412.96	42.49	-11.51	54	31.4	31.65	6.13	26.69	215	358	A	V

802.11a CH 48 5240MHz	-	5095.16	51.99	-22.01	74	40.67	31.98	6.05	26.71	211	60	P	H
	-	5053.3	43.6	-10.4	54	32.47	31.81	6.03	26.71	211	60	A	H
	*	5240	106.02	-	-	95.15	31.46	6.11	26.7	211	60	P	H
	*	5240	98.73	-	-	87.86	31.46	6.11	26.7	211	60	A	H
	-	5452.44	51.11	-22.89	74	39.83	31.8	6.17	26.69	211	60	P	H
	-	5436.48	42.1	-11.9	54	30.88	31.75	6.16	26.69	211	60	A	H
	-	5015.34	52.82	-21.18	74	41.86	31.66	6.01	26.71	194	341	P	V
	-	5049.14	43.43	-10.57	54	32.31	31.8	6.03	26.71	194	341	A	V
	*	5240	106.51	-	-	95.64	31.46	6.11	26.7	194	341	P	V
	*	5240	99.3	-	-	88.43	31.46	6.11	26.7	194	341	A	V
	-	5443.76	50.72	-23.28	74	39.47	31.78	6.16	26.69	194	341	P	V
	-	5437.32	42.61	-11.39	54	31.39	31.75	6.16	26.69	194	341	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz	-	10360	47.85	-20.35	68.2	55.16	39.74	9.91	56.96	100	0	P	H
	-	15540	44.55	-29.45	74	49.79	38.76	12.65	56.65	100	0	P	H
													H
													H
	-	10360	46.52	-21.68	68.2	53.83	39.74	9.91	56.96	100	0	P	V
	-	15540	45.18	-28.82	74	50.42	38.76	12.65	56.65	100	0	P	V
													V
													V
802.11a CH 44 5220MHz	-	10440	46.2	-22	68.2	53.23	39.94	9.95	56.92	100	0	P	H
	-	15660	44.92	-29.08	74	50.49	38.22	12.72	56.51	100	0	P	H
													H
													H
	-	10440	46.62	-21.58	68.2	53.65	39.94	9.95	56.92	100	0	P	V
	-	15660	44.9	-29.1	74	50.47	38.22	12.72	56.51	100	0	P	V
													V
													V
802.11a CH 48 5240MHz	-	10480	48.67	-19.53	68.2	55.63	39.98	9.97	56.91	100	0	P	H
	-	15720	45.2	-28.8	74	50.8	38.1	12.74	56.44	100	0	P	H
													H
													H
	-	10480	47.62	-20.58	68.2	54.58	39.98	9.97	56.91	100	0	P	V
	-	15720	44.81	-29.19	74	50.41	38.1	12.74	56.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz	-	5147.94	54.44	-19.56	74	43.06	32	6.08	26.7	200	356	P	H
	-	5128.44	46.74	-7.26	54	35.37	32	6.07	26.7	200	356	A	H
	*	5180	105.11	-	-	93.89	31.82	6.1	26.7	200	356	P	H
	*	5180	97.69	-	-	86.47	31.82	6.1	26.7	200	356	A	H
													H
													H
	-	5149.5	54.17	-19.83	74	42.79	32	6.08	26.7	202	348	P	V
	-	5128.44	47.77	-6.23	54	36.4	32	6.07	26.7	202	348	A	V
	*	5180	107.03	-	-	95.81	31.82	6.1	26.7	202	348	P	V
	*	5180	99.56	-	-	88.34	31.82	6.1	26.7	202	348	A	V
													V
													V
802.11n HT20 CH 44 5220MHz	-	5123.5	53.59	-20.41	74	42.23	32	6.07	26.71	200	58	P	H
	-	5031.72	43.86	-10.14	54	32.82	31.73	6.02	26.71	200	58	A	H
	*	5220	105.45	-	-	94.46	31.58	6.11	26.7	200	58	P	H
	*	5220	98.08	-	-	87.09	31.58	6.11	26.7	200	58	A	H
	-	5428.92	50.68	-23.32	74	39.5	31.72	6.15	26.69	200	58	P	H
	-	5455.24	42.2	-11.8	54	30.9	31.81	6.18	26.69	200	58	A	H
	-	5038.48	51.95	-22.05	74	40.89	31.75	6.02	26.71	195	347	P	V
	-	5118.3	43.61	-10.39	54	32.25	32	6.07	26.71	195	347	A	V
	*	5220	106.26	-	-	95.27	31.58	6.11	26.7	195	347	P	V
	*	5220	98.72	-	-	87.73	31.58	6.11	26.7	195	347	A	V
	-	5365.08	50.36	-23.64	74	39.48	31.46	6.12	26.7	195	347	P	V
	-	5419.12	42.43	-11.57	54	31.3	31.68	6.14	26.69	195	347	A	V

802.11n HT20 CH 48 5240MHz	-	5126.62	52.17	-21.83	74	40.8	32	6.07	26.7	202	60	P	H
	-	5052.78	43.47	-10.53	54	32.34	31.81	6.03	26.71	202	60	A	H
	*	5240	105.21	-	-	94.34	31.46	6.11	26.7	202	60	P	H
	*	5240	97.85	-	-	86.98	31.46	6.11	26.7	202	60	A	H
	-	5451.32	50.93	-23.07	74	39.65	31.8	6.17	26.69	202	60	P	H
	-	5457.76	41.97	-12.03	54	30.66	31.82	6.18	26.69	202	60	A	H
	-	5054.34	52.71	-21.29	74	41.57	31.82	6.03	26.71	198	343	P	V
	-	5093.34	43.43	-10.57	54	32.12	31.97	6.05	26.71	198	343	A	V
	*	5240	105.71	-	-	94.84	31.46	6.11	26.7	198	343	P	V
	*	5240	98.2	-	-	87.33	31.46	6.11	26.7	198	343	A	V
	-	5423.6	50.8	-23.2	74	39.66	31.69	6.14	26.69	198	343	P	V
	-	5436.2	42.19	-11.81	54	30.98	31.74	6.16	26.69	198	343	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path 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	46.75	-21.45	68.2	54.06	39.74	9.91	56.96	100	0	P	H
	-	15540	45.05	-28.95	74	50.29	38.76	12.65	56.65	100	0	P	H
													H
													H
	-	10360	47.14	-21.06	68.2	54.45	39.74	9.91	56.96	100	0	P	V
	-	15540	45.78	-28.22	74	51.02	38.76	12.65	56.65	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz	-	10440	46.37	-21.83	68.2	53.4	39.94	9.95	56.92	100	0	P	H
	-	15660	44.25	-29.75	74	49.82	38.22	12.72	56.51	100	0	P	H
													H
													H
	-	10440	46.23	-21.97	68.2	53.26	39.94	9.95	56.92	100	0	P	V
	-	15660	44.49	-29.51	74	50.06	38.22	12.72	56.51	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz	-	10480	46.64	-21.56	68.2	53.6	39.98	9.97	56.91	100	0	P	H
	-	15720	45.15	-28.85	74	50.75	38.1	12.74	56.44	100	0	P	H
													H
													H
	-	10480	47.94	-20.26	68.2	54.9	39.98	9.97	56.91	100	0	P	V
	-	15720	45.07	-28.93	74	50.67	38.1	12.74	56.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz	-	5104.26	53.09	-20.91	74	41.74	32	6.06	26.71	197	64	P	H
	-	5148.46	45.76	-8.24	54	34.38	32	6.08	26.7	197	64	A	H
	*	5190	100.44	-	-	89.28	31.76	6.1	26.7	197	64	P	H
	*	5190	93.65	-	-	82.49	31.76	6.1	26.7	197	64	A	H
	-	5387.2	50.93	-23.07	74	39.95	31.55	6.12	26.69	197	64	P	H
	-	5456.92	41.83	-12.17	54	30.53	31.81	6.18	26.69	197	64	A	H
	-	5147.68	54.78	-19.22	74	43.4	32	6.08	26.7	197	347	P	V
	-	5149.5	45.67	-8.33	54	34.29	32	6.08	26.7	197	347	A	V
	*	5190	102.3	-	-	91.14	31.76	6.1	26.7	197	347	P	V
	*	5190	95.27	-	-	84.11	31.76	6.1	26.7	197	347	A	V
	-	5378.24	50.08	-23.92	74	39.14	31.51	6.12	26.69	197	347	P	V
	-	5459.72	42.02	-11.98	54	30.71	31.82	6.18	26.69	197	347	A	V
802.11n HT40 CH 46 5230MHz	-	5132.34	52.73	-21.27	74	41.36	32	6.07	26.7	200	58	P	H
	-	5125.58	43.79	-10.21	54	32.42	32	6.07	26.7	200	58	A	H
	*	5230	101.5	-	-	90.57	31.52	6.11	26.7	200	58	P	H
	*	5230	94.7	-	-	83.77	31.52	6.11	26.7	200	58	A	H
	-	5411.56	51.12	-22.88	74	40.03	31.65	6.13	26.69	200	58	P	H
	-	5437.04	42.04	-11.96	54	30.82	31.75	6.16	26.69	200	58	A	H
	-	5074.36	52.58	-21.42	74	41.35	31.9	6.04	26.71	201	344	P	V
	-	5127.4	43.69	-10.31	54	32.32	32	6.07	26.7	201	344	A	V
	*	5230	102.45	-	-	91.52	31.52	6.11	26.7	201	344	P	V
	*	5230	94.88	-	-	83.95	31.52	6.11	26.7	201	344	A	V
	-	5435.08	50.23	-23.77	74	39.02	31.74	6.16	26.69	201	344	P	V
	-	5452.72	42.05	-11.95	54	30.76	31.81	6.17	26.69	201	344	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz	-	10380	46.41	-21.79	68.2	53.62	39.82	9.92	56.95	100	0	P	H
	-	15570	45.05	-28.95	74	50.43	38.58	12.66	56.62	100	0	P	H
													H
													H
	-	10380	46.5	-21.7	68.2	53.71	39.82	9.92	56.95	100	0	P	V
	-	15570	46.58	-27.42	74	51.96	38.58	12.66	56.62	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz	-	10460	46.59	-21.61	68.2	53.59	39.96	9.96	56.92	100	0	P	H
	-	15690	44.15	-29.85	74	49.77	38.13	12.72	56.47	100	0	P	H
													H
													H
	-	10460	46.35	-21.85	68.2	53.35	39.96	9.96	56.92	100	0	P	V
	-	15690	44.99	-29.01	74	50.61	38.13	12.72	56.47	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz	-	5149.76	54.98	-19.02	74	43.6	32	6.08	26.7	203	24	P	H
	-	5149.76	49.11	-4.89	54	37.73	32	6.08	26.7	203	24	A	H
	*	5210	98.38	-	-	87.33	31.64	6.11	26.7	203	24	P	H
	*	5210	91.46	-	-	80.41	31.64	6.11	26.7	203	24	A	H
	-	5377.96	52.13	-21.87	74	41.19	31.51	6.12	26.69	203	24	P	H
	-	5427.24	44.62	-9.38	54	33.45	31.71	6.15	26.69	203	24	A	H
	-	5118.82	55.35	-18.65	74	43.99	32	6.07	26.71	213	6	P	V
	-	5149.5	50.78	-3.22	54	39.4	32	6.08	26.7	213	6	A	V
	*	5210	100.73	-	-	89.68	31.64	6.11	26.7	213	6	P	V
	*	5210	93.97	-	-	82.92	31.64	6.11	26.7	213	6	A	V
	-	5420.8	52.33	-21.67	74	41.2	31.68	6.14	26.69	213	6	P	V
	-	5452.16	45.04	-8.96	54	33.76	31.8	6.17	26.69	213	6	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz	-	10420	45.76	-22.44	68.2	52.83	39.92	9.94	56.93	100	0	P	H
	-	15630	45.83	-28.17	74	51.36	38.31	12.7	56.54	100	0	P	H
													H
													H
	-	10420	45.26	-22.94	68.2	52.33	39.92	9.94	56.93	100	0	P	V
	-	15630	45.37	-28.63	74	50.9	38.31	12.7	56.54	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz	-	5105.06	52.6	-21.4	74	41.25	32	6.06	26.71	205	21	P	H
	-	5072.76	44.7	-9.3	54	33.48	31.89	6.04	26.71	205	21	A	H
	*	5260	105.62	-	-	94.81	31.4	6.11	26.7	205	21	P	H
	*	5260	97.62	-	-	86.81	31.4	6.11	26.7	205	21	A	H
		5402.64	50.98	-23.02	74	39.94	31.61	6.12	26.69	205	21	P	H
		5458.32	42.69	-11.31	54	31.38	31.82	6.18	26.69	205	21	A	H
		5066.64	52.59	-21.41	74	41.39	31.87	6.04	26.71	215	323	P	V
		5075.48	44.26	-9.74	54	33.03	31.9	6.04	26.71	215	323	A	V
	*	5260	106.94	-	-	96.13	31.4	6.11	26.7	215	323	P	V
	*	5260	99.54	-	-	88.73	31.4	6.11	26.7	215	323	A	V
	-	5446.08	52.29	-21.71	74	41.03	31.78	6.17	26.69	215	323	P	V
	-	5458.08	44.32	-9.68	54	33.01	31.82	6.18	26.69	215	323	A	V
802.11a CH 60 5300MHz	-	5100.64	52.82	-21.18	74	41.47	32	6.06	26.71	207	56	P	H
	-	5100.64	44.84	-9.16	54	33.49	32	6.06	26.71	207	56	A	H
	*	5300	105.37	-	-	94.56	31.4	6.11	26.7	207	56	P	H
	*	5300	97.33	-	-	86.52	31.4	6.11	26.7	207	56	A	H
	-	5439.6	50.56	-23.44	74	39.33	31.76	6.16	26.69	207	56	P	H
	-	5352.24	44.38	-9.62	54	33.55	31.41	6.12	26.7	207	56	A	H
	-	5119	52.08	-21.92	74	40.72	32	6.07	26.71	215	325	P	V
	-	5110.84	44.49	-9.51	54	33.14	32	6.06	26.71	215	325	A	V
	*	5300	106.53	-	-	95.72	31.4	6.11	26.7	215	325	P	V
	*	5300	99.03	-	-	88.22	31.4	6.11	26.7	215	325	A	V
	-	5352.96	52.39	-21.61	74	41.56	31.41	6.12	26.7	215	325	P	V
	-	5352.48	45.64	-8.36	54	34.81	31.41	6.12	26.7	215	325	A	V

802.11a CH 64 5320MHz	*	5320	105.13	-	-	94.31	31.4	6.12	26.7	214	55	P	H
	*	5320	97.33	-	-	86.51	31.4	6.12	26.7	214	55	A	H
	-	5372.64	51.35	-22.65	74	40.44	31.49	6.12	26.7	214	55	P	H
	-	5372.32	44.39	-9.61	54	33.48	31.49	6.12	26.7	214	55	A	H
													H
													H
	*	5320	106.53	-	-	95.71	31.4	6.12	26.7	210	325	P	V
	*	5320	99.03	-	-	88.21	31.4	6.12	26.7	210	325	A	V
	-	5372.32	52.51	-21.49	74	41.6	31.49	6.12	26.7	210	325	P	V
	-	5372.32	45.98	-8.02	54	35.07	31.49	6.12	26.7	210	325	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz	-	10520	46.34	-21.86	68.2	53.24	39.98	10	56.88	100	0	P	H
	-	15780	45.17	-28.83	74	50.65	38.1	12.78	56.36	100	0	P	H
													H
													H
	-	10520	47.95	-20.25	68.2	54.85	39.98	10	56.88	100	0	P	V
	-	15780	46.3	-27.7	74	51.78	38.1	12.78	56.36	100	0	P	V
													V
													V
802.11a CH 60 5300MHz	-	10600	46.33	-27.67	74	53.21	39.9	10.04	56.82	100	0	P	H
	-	15900	46.65	-27.35	74	52.33	37.7	12.84	56.22	100	0	P	H
													H
													H
	-	10600	47.23	-26.77	74	54.11	39.9	10.04	56.82	100	0	P	V
	-	15900	46	-28	74	51.68	37.7	12.84	56.22	100	0	P	V
													V
													V
802.11a CH 64 5320MHz	-	10640	47.42	-26.58	74	54.14	40.02	10.05	56.79	100	0	P	H
	-	15960	44.84	-29.16	74	50.42	37.7	12.87	56.15	100	0	P	H
													H
													H
	-	10640	46.76	-27.24	74	53.48	40.02	10.05	56.79	100	0	P	V
	-	15960	46.11	-27.89	74	51.69	37.7	12.87	56.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz	-	5060.52	53.32	-20.68	74	42.16	31.84	6.03	26.71	216	16	P	H
	-	5074.46	44.03	-9.97	54	32.8	31.9	6.04	26.71	216	16	A	H
	*	5260	104.04	-	-	93.23	31.4	6.11	26.7	216	16	P	H
	*	5260	96.34	-	-	85.53	31.4	6.11	26.7	216	16	A	H
	-	5460	51.1	-22.9	74	39.79	31.82	6.18	26.69	216	16	P	H
	-	5453.04	42.4	-11.6	54	31.11	31.81	6.17	26.69	216	16	A	H
	-	5012.92	52.86	-21.14	74	41.91	31.65	6.01	26.71	212	353	P	V
	-	5075.82	44.37	-9.63	54	33.14	31.9	6.04	26.71	212	353	A	V
	*	5260	106.82	-	-	96.01	31.4	6.11	26.7	212	353	P	V
	*	5260	99.32	-	-	88.51	31.4	6.11	26.7	212	353	A	V
	-	5456.88	53.39	-20.61	74	42.09	31.81	6.18	26.69	212	353	P	V
	-	5458.56	44.28	-9.72	54	32.97	31.82	6.18	26.69	212	353	A	V
802.11n HT20 CH 60 5300MHz	-	5112.88	53.39	-20.61	74	42.04	32	6.06	26.71	187	20	P	H
	-	5107.1	44.27	-9.73	54	32.92	32	6.06	26.71	187	20	A	H
	*	5300	103.83	-	-	93.02	31.4	6.11	26.7	187	20	P	H
	*	5300	95.93	-	-	85.12	31.4	6.11	26.7	187	20	A	H
	-	5395.92	50.63	-23.37	74	39.62	31.58	6.12	26.69	187	20	P	H
	-	5351.76	44.02	-9.98	54	33.19	31.41	6.12	26.7	187	20	A	H
	-	5109.48	52.3	-21.7	74	40.95	32	6.06	26.71	205	352	P	V
	-	5114.92	44.65	-9.35	54	33.3	32	6.06	26.71	205	352	A	V
	*	5300	106.97	-	-	96.16	31.4	6.11	26.7	205	352	P	V
	*	5300	99.54	-	-	88.73	31.4	6.11	26.7	205	352	A	V
	-	5448.24	53.11	-20.89	74	41.84	31.79	6.17	26.69	205	352	P	V
	-	5352	47.3	-6.7	54	36.47	31.41	6.12	26.7	205	352	A	V

	*	5320	104.59	-	-	93.77	31.4	6.12	26.7	209	55	P	H
	*	5320	95.73	-	-	84.91	31.4	6.12	26.7	209	55	A	H
	-	5371.68	50.6	-23.4	74	39.69	31.49	6.12	26.7	209	55	P	H
	-	5371.52	44.1	-9.9	54	33.19	31.49	6.12	26.7	209	55	A	H
802.11n													H
HT20													H
CH 64	*	5320	106.07	-	-	95.25	31.4	6.12	26.7	216	325	P	V
5320MHz	*	5320	99.05	-	-	88.23	31.4	6.12	26.7	216	325	A	V
	-	5372.96	52.09	-21.91	74	41.18	31.49	6.12	26.7	216	325	P	V
	-	5371.84	46.48	-7.52	54	35.57	31.49	6.12	26.7	216	325	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz	-	10520	47.03	-21.17	68.2	53.93	39.98	10	56.88	100	0	P	H
	-	15780	45.26	-28.74	74	50.74	38.1	12.78	56.36	100	0	P	H
													H
													H
	-	10520	45.83	-22.37	68.2	52.73	39.98	10	56.88	100	0	P	V
	-	15780	45.9	-28.1	74	51.38	38.1	12.78	56.36	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz	-	10600	47.44	-26.56	74	54.32	39.9	10.04	56.82	100	0	P	H
	-	15900	45.06	-28.94	74	50.74	37.7	12.84	56.22	100	0	P	H
													H
													H
	-	10600	46.2	-27.8	74	53.08	39.9	10.04	56.82	100	0	P	V
	-	15900	44.91	-29.09	74	50.59	37.7	12.84	56.22	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz	-	10640	46.86	-27.14	74	53.58	40.02	10.05	56.79	100	0	P	H
	-	15960	45.13	-28.87	74	50.71	37.7	12.87	56.15	100	0	P	H
													H
													H
	-	10640	46.56	-27.44	74	53.28	40.02	10.05	56.79	100	0	P	V
	-	15960	45.56	-28.44	74	51.14	37.7	12.87	56.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz	-	5060.52	52.53	-21.47	74	41.37	31.84	6.03	26.71	216	16	P	H
	-	5086.02	44.4	-9.6	54	33.12	31.94	6.05	26.71	216	16	A	H
	*	5270	100.19	-	-	89.38	31.4	6.11	26.7	216	16	P	H
	*	5270	93.34	-	-	82.53	31.4	6.11	26.7	216	16	A	H
	-	5427.36	51	-23	74	39.83	31.71	6.15	26.69	216	16	P	H
	-	5457.36	42.92	-11.08	54	31.62	31.81	6.18	26.69	216	16	A	H
	-	5081.26	52.59	-21.41	74	41.33	31.93	6.04	26.71	211	352	P	V
	-	5128.18	44.46	-9.54	54	33.09	32	6.07	26.7	211	352	A	V
	*	5270	103.15	-	-	92.34	31.4	6.11	26.7	211	352	P	V
	*	5270	96.43	-	-	85.62	31.4	6.11	26.7	211	352	A	V
	-	5459.52	51.25	-22.75	74	39.94	31.82	6.18	26.69	211	352	P	V
	-	5455.68	44.02	-9.98	54	32.72	31.81	6.18	26.69	211	352	A	V
802.11n HT40 CH 62 5310MHz	-	5072.08	53.09	-20.91	74	41.87	31.89	6.04	26.71	211	14	P	H
	-	5115.6	44.94	-9.06	54	33.59	32	6.06	26.71	211	14	A	H
	*	5310	100.56	-	-	89.74	31.4	6.12	26.7	211	14	P	H
	*	5310	93.02	-	-	82.2	31.4	6.12	26.7	211	14	A	H
	-	5351.76	50.32	-23.68	74	39.49	31.41	6.12	26.7	211	14	P	H
	-	5351.52	44.05	-9.95	54	33.22	31.41	6.12	26.7	211	14	A	H
	-	5104.72	51.88	-22.12	74	40.53	32	6.06	26.71	218	353	P	V
	-	5106.76	44.81	-9.19	54	33.46	32	6.06	26.71	218	353	A	V
	*	5310	103.68	-	-	92.86	31.4	6.12	26.7	218	353	P	V
	*	5310	96.23	-	-	85.41	31.4	6.12	26.7	218	353	A	V
	-	5351.28	53.14	-20.86	74	42.31	31.41	6.12	26.7	218	353	P	V
	-	5350.32	47.23	-6.77	54	36.41	31.4	6.12	26.7	218	353	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz	-	10540	47.58	-20.62	68.2	54.48	39.96	10.01	56.87	100	0	P	H
	-	15810	44.63	-29.37	74	50.1	38.06	12.8	56.33	100	0	P	H
													H
													H
	-	10540	46.96	-21.24	68.2	53.86	39.96	10.01	56.87	100	0	P	V
	-	15810	45.42	-28.58	74	50.89	38.06	12.8	56.33	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz	-	10620	47.11	-26.89	74	53.91	39.96	10.04	56.8	100	0	P	H
	-	15930	44.84	-29.16	74	50.46	37.7	12.86	56.18	100	0	P	H
													H
													H
	-	10620	47.29	-26.71	74	54.09	39.96	10.04	56.8	100	0	P	V
	-	15930	45.04	-28.96	74	50.66	37.7	12.86	56.18	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz	-	5065.62	53.98	-20.02	74	42.79	31.86	6.04	26.71	215	15	P	H
	-	5062.22	46.14	-7.86	54	34.97	31.85	6.03	26.71	215	15	A	H
	*	5290	98.89	-	-	88.08	31.4	6.11	26.7	215	15	P	H
	*	5290	91.39	-	-	80.58	31.4	6.11	26.7	215	15	A	H
	-	5366.16	57.71	-16.29	74	46.83	31.46	6.12	26.7	215	15	P	H
	-	5350.32	48.04	-5.96	54	37.22	31.4	6.12	26.7	215	15	A	H
	-	5081.6	53.02	-20.98	74	41.76	31.93	6.04	26.71	222	354	P	V
	-	5114.58	46.16	-7.84	54	34.81	32	6.06	26.71	222	354	A	V
	*	5290	101.7	-	-	90.89	31.4	6.11	26.7	222	354	P	V
	*	5290	93.74	-	-	82.93	31.4	6.11	26.7	222	354	A	V
	-	5355.6	61.24	-12.76	74	50.4	31.42	6.12	26.7	222	354	P	V
	-	5350.56	50.79	-3.21	54	39.97	31.4	6.12	26.7	222	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 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz	-	10580	47.13	-21.07	68.2	54.02	39.92	10.03	56.84	100	0	P	H
	-	15870	44.78	-29.22	74	50.4	37.82	12.82	56.26	100	0	P	H
													H
													H
	-	10580	46.19	-22.01	68.2	53.08	39.92	10.03	56.84	100	0	P	V
	-	15870	44.61	-29.39	74	50.23	37.82	12.82	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz	-	5447.76	54.47	-19.53	74	43.2	31.79	6.17	26.69	215	60	P	H
	-	5461.52	51.68	-16.52	68.2	40.37	31.82	6.18	26.69	215	60	P	H
	-	5447.92	46.01	-7.99	54	34.74	31.79	6.17	26.69	215	60	A	H
	*	5500	104.77	-	-	93.34	31.9	6.22	26.69	215	60	P	H
	*	5500	97.42	-	-	85.99	31.9	6.22	26.69	215	60	A	H
													H
	-	5447.6	55.13	-18.87	74	43.86	31.79	6.17	26.69	202	351	P	V
	-	5470	54.6	-13.6	68.2	43.26	31.84	6.19	26.69	202	351	P	V
	-	5447.92	48.24	-5.76	54	36.97	31.79	6.17	26.69	202	351	A	V
	*	5500	108.96	-	-	97.53	31.9	6.22	26.69	202	351	P	V
	*	5500	101.6	-	-	90.17	31.9	6.22	26.69	202	351	A	V
													V
802.11a CH 116 5580MHz	-	5394.88	51.3	-22.7	74	40.29	31.58	6.12	26.69	211	57	P	H
	-	5464.96	51.16	-17.04	68.2	39.84	31.83	6.18	26.69	211	57	P	H
	-	5386.96	42.32	-11.68	54	31.34	31.55	6.12	26.69	211	57	A	H
	*	5580	104.26	-	-	92.88	31.84	6.3	26.76	211	57	P	H
	*	5580	96.25	-	-	84.87	31.84	6.3	26.76	211	57	A	H
	-	5764.685	51.6	-16.6	68.2	39.9	32.23	6.39	26.92	211	57	P	H
	-	5392.96	51.28	-22.72	74	40.28	31.57	6.12	26.69	211	357	P	V
	-	5469.52	49.42	-18.78	68.2	38.08	31.84	6.19	26.69	211	357	P	V
	-	5394.16	43.5	-10.5	54	32.49	31.58	6.12	26.69	211	357	A	V
	*	5580	108.24	-	-	96.86	31.84	6.3	26.76	211	357	P	V
	*	5580	100.82	-	-	89.44	31.84	6.3	26.76	211	357	A	V
	-	5747.675	50.57	-17.63	68.2	38.91	32.19	6.38	26.91	211	357	P	V

802.11a CH 140 5700MHz	*	5700	105.39	-	-	93.9	32	6.36	26.87	208	60	P	H
	*	5700	98.08	-	-	86.59	32	6.36	26.87	208	60	A	H
	-	5753.32	54.77	-13.43	68.2	43.09	32.21	6.38	26.91	208	60	P	H
													H
													H
													H
	*	5700	108.86	-	-	97.37	32	6.36	26.87	204	358	P	V
	*	5700	100.77	-	-	89.28	32	6.36	26.87	204	358	A	V
	-	5725.32	54.59	-13.61	68.2	43.01	32.1	6.37	26.89	204	358	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz	-	11000	52.3	-21.7	74	58.08	40.5	10.22	56.5	100	40	P	H
	-	11000	43.96	-10.04	54	49.74	40.5	10.22	56.5	100	40	A	H
		16500	46.96	-21.24	68.2	50.47	39.4	12.79	55.7	100	0	P	H
													H
	-	11000	48.2	-25.8	74	53.98	40.5	10.22	56.5	100	0	P	V
	-	16500	46.03	-22.17	68.2	49.54	39.4	12.79	55.7	100	0	P	V
													V
													V
802.11a CH 116 5580MHz	-	11160	53.29	-20.71	74	59.51	39.92	10.3	56.44	100	40	P	H
	-	11160	43.67	-10.33	54	49.89	39.92	10.3	56.44	100	40	A	H
	-	16740	47.91	-20.29	68.2	50.96	40.1	12.74	55.89	100	0	P	H
													H
	-	11160	47.6	-26.4	74	53.82	39.92	10.3	56.44	100	0	P	V
	-	16740	46.85	-21.35	68.2	49.9	40.1	12.74	55.89	100	0	P	V
													V
													V
802.11a CH 140 5700MHz	-	11400	48.36	-25.64	74	54.38	39.9	10.42	56.34	100	0	P	H
	-	17100	47.62	-20.58	68.2	51.22	39.9	12.8	56.3	100	0	P	H
													H
													H
	-	11400	47.41	-26.59	74	53.43	39.9	10.42	56.34	100	0	P	V
	-	17100	47.73	-20.47	68.2	51.33	39.9	12.8	56.3	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz	-	5446	53.28	-20.72	74	42.02	31.78	6.17	26.69	212	60	P	H
	-	5469.2	51.33	-16.87	68.2	39.99	31.84	6.19	26.69	212	60	P	H
	-	5448.4	46.82	-7.18	54	35.55	31.79	6.17	26.69	212	60	A	H
	*	5500	104.6	-	-	93.17	31.9	6.22	26.69	212	60	P	H
	*	5500	97.15	-	-	85.72	31.9	6.22	26.69	212	60	A	H
													H
	-	5447.6	55.71	-18.29	74	44.44	31.79	6.17	26.69	206	359	P	V
	-	5465.36	55.84	-12.36	68.2	44.51	31.83	6.19	26.69	206	359	P	V
	-	5448.24	48.77	-5.23	54	37.5	31.79	6.17	26.69	206	359	A	V
	*	5500	108.9	-	-	97.47	31.9	6.22	26.69	206	359	P	V
	*	5500	101.17	-	-	89.74	31.9	6.22	26.69	206	359	A	V
													V
802.11n HT20 CH 116 5580MHz	-	5391.52	51.88	-22.12	74	40.88	31.57	6.12	26.69	211	58	P	H
	-	5462.8	50.73	-17.47	68.2	39.41	31.83	6.18	26.69	211	58	P	H
	-	5381.68	42.77	-11.23	54	31.81	31.53	6.12	26.69	211	58	A	H
	*	5580	104.62	-	-	93.24	31.84	6.3	26.76	211	58	P	H
	*	5580	96.8	-	-	85.42	31.84	6.3	26.76	211	58	A	H
	-	5725.94	51.76	-16.44	68.2	40.18	32.1	6.37	26.89	211	58	P	H
	-	5382.16	50.98	-23.02	74	40.02	31.53	6.12	26.69	214	359	P	V
	-	5465.68	49.4	-18.8	68.2	38.07	31.83	6.19	26.69	214	359	P	V
	-	5394.64	43.7	-10.3	54	32.69	31.58	6.12	26.69	214	359	A	V
	*	5580	108.91	-	-	97.53	31.84	6.3	26.76	214	359	P	V
	*	5580	101.67	-	-	90.29	31.84	6.3	26.76	214	359	A	V
	-	5765	51.38	-16.82	68.2	39.68	32.23	6.39	26.92	214	359	P	V

802.11n HT20 CH 140 5700MHz	*	5700	105.99	-	-	94.5	32	6.36	26.87	208	60	P	H
	*	5700	98.7	-	-	87.21	32	6.36	26.87	208	60	A	H
	-	5727.16	55.52	-12.68	68.2	43.93	32.11	6.37	26.89	208	60	P	H
													H
													H
													H
	*	5700	108.21	-	-	96.72	32	6.36	26.87	204	358	P	V
	*	5700	100.13	-	-	88.64	32	6.36	26.87	204	358	A	V
	-	5751.96	54.6	-13.6	68.2	42.93	32.2	6.38	26.91	204	358	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz	-	11000	53.22	-20.78	74	59	40.5	10.22	56.5	100	39	P	H
	-	11000	43.75	-10.25	54	49.53	40.5	10.22	56.5	100	39	A	H
	-	16500	47.45	-20.75	68.2	50.96	39.4	12.79	55.7	100	0	P	H
													H
	-	11000	48.13	-25.87	74	53.91	40.5	10.22	56.5	100	0	P	V
	-	16500	46.41	-21.79	68.2	49.92	39.4	12.79	55.7	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz	-	11160	53.42	-20.58	74	59.64	39.92	10.3	56.44	107	40	P	H
	-	11160	44.05	-9.95	54	50.27	39.92	10.3	56.44	107	40	A	H
	-	16740	47.68	-20.52	68.2	50.73	40.1	12.74	55.89	100	0	P	H
													H
	-	11160	47.04	-26.96	74	53.26	39.92	10.3	56.44	100	0	P	V
	-	16740	48.39	-19.81	68.2	51.44	40.1	12.74	55.89	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz	-	11400	48.82	-25.18	74	54.84	39.9	10.42	56.34	100	0	P	H
	-	17100	48.24	-19.96	68.2	51.84	39.9	12.8	56.3	100	0	P	H
													H
													H
	-	11400	47.6	-26.4	74	53.62	39.9	10.42	56.34	100	0	P	V
	-	17100	48.07	-20.13	68.2	51.67	39.9	12.8	56.3	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz	-	5457.52	52.98	-21.02	74	41.67	31.82	6.18	26.69	210	60	P	H
	-	5469.04	59.54	-8.66	68.2	48.2	31.84	6.19	26.69	210	60	P	H
	-	5458.96	44.39	-9.61	54	33.08	31.82	6.18	26.69	210	60	A	H
	*	5510	102.23	-	-	90.8	31.9	6.23	26.7	210	60	P	H
	*	5510	94.66	-	-	83.23	31.9	6.23	26.7	210	60	A	H
	-	5750.51	50.77	-17.43	68.2	39.1	32.2	6.38	26.91	210	60	P	H
	-	5458.24	52.67	-21.33	74	41.36	31.82	6.18	26.69	207	357	P	V
	-	5467.36	59.9	-8.3	68.2	48.57	31.83	6.19	26.69	207	357	P	V
	-	5459.92	46.3	-7.7	54	34.99	31.82	6.18	26.69	207	357	A	V
	*	5510	106.14	-	-	94.71	31.9	6.23	26.7	207	357	P	V
	*	5510	98.77	-	-	87.34	31.9	6.23	26.7	207	357	A	V
	-	5747.045	51.17	-17.03	68.2	39.51	32.19	6.38	26.91	207	357	P	V
802.11n HT40 CH 110 5550MHz	-	5444.56	52.08	-21.92	74	40.83	31.78	6.16	26.69	215	58	P	H
	-	5467.12	51.59	-16.61	68.2	40.26	31.83	6.19	26.69	215	58	P	H
	-	5447.92	44.04	-9.96	54	32.77	31.79	6.17	26.69	215	58	A	H
	*	5550	102.04	-	-	90.6	31.9	6.27	26.73	215	58	P	H
	*	5550	93.92	-	-	82.48	31.9	6.27	26.73	215	58	A	H
	-	5740.43	50.86	-17.34	68.2	39.22	32.16	6.38	26.9	215	58	P	H
	-	5448.16	51.56	-22.44	74	40.29	31.79	6.17	26.69	219	360	P	V
	-	5468.8	51.26	-16.94	68.2	39.92	31.84	6.19	26.69	219	360	P	V
	-	5447.44	44.99	-9.01	54	33.72	31.79	6.17	26.69	219	360	A	V
	*	5550	105.79	-	-	94.35	31.9	6.27	26.73	219	360	P	V
	*	5550	98.38	-	-	86.94	31.9	6.27	26.73	219	360	A	V
	-	5764.055	51.93	-16.27	68.2	40.23	32.23	6.39	26.92	219	360	P	V

802.11n HT40 CH 134 5670MHz	-	5435.05	50.61	-23.39	74	39.4	31.74	6.16	26.69	209	62	P	H
	-	5460.25	51.47	-16.73	68.2	40.16	31.82	6.18	26.69	209	62	P	H
	-	5439.6	42.69	-11.31	54	31.46	31.76	6.16	26.69	209	62	A	H
	*	5670	101.18	-	-	89.79	31.88	6.35	26.84	209	62	P	H
	*	5670	93.96	-	-	82.57	31.88	6.35	26.84	209	62	A	H
	-	5750.51	52.09	-16.11	68.2	40.42	32.2	6.38	26.91	209	62	P	H
	-	5447.65	50.01	-23.99	74	38.74	31.79	6.17	26.69	208	357	P	V
	-	5465.5	49.74	-18.46	68.2	38.41	31.83	6.19	26.69	208	357	P	V
	-	5441.35	43.4	-10.6	54	32.16	31.77	6.16	26.69	208	357	A	V
	*	5670	105.01	-	-	93.62	31.88	6.35	26.84	208	357	P	V
	*	5670	97.27	-	-	85.88	31.88	6.35	26.84	208	357	A	V
	-	5759.96	51.53	-16.67	68.2	39.85	32.22	6.38	26.92	208	357	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz	-	11020	49.13	-24.87	74	54.97	40.42	10.23	56.49	100	0	P	H
	-	16530	46.24	-21.96	68.2	49.74	39.43	12.79	55.72	100	0	P	H
													H
													H
	-	11020	47.13	-26.87	74	52.97	40.42	10.23	56.49	100	0	P	V
	-	16530	45.55	-22.65	68.2	49.05	39.43	12.79	55.72	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz	-	11100	49.33	-24.67	74	55.42	40.1	10.27	56.46	100	0	P	H
	-	16650	46.44	-21.76	68.2	49.79	39.7	12.77	55.82	100	0	P	H
													H
													H
	-	11100	48.21	-25.79	74	54.3	40.1	10.27	56.46	100	0	P	V
	-	16650	46.73	-21.47	68.2	50.08	39.7	12.77	55.82	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz	-	11340	48.26	-25.74	74	54.39	39.84	10.39	56.36	100	0	P	H
	-	17010	47.74	-20.46	68.2	51.17	39.99	12.7	56.12	100	0	P	H
													H
													H
	-	11340	47	-27	74	53.13	39.84	10.39	56.36	100	0	P	V
	-	17010	47.24	-20.96	68.2	50.67	39.99	12.7	56.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz	-	5458.96	56.27	-17.73	74	44.96	31.82	6.18	26.69	204	244	P	H
	-	5464.24	58.19	-10.01	68.2	46.87	31.83	6.18	26.69	204	244	P	H
	-	5458.48	49.57	-4.43	54	38.26	31.82	6.18	26.69	204	244	A	H
	*	5530	98.69	-	-	87.26	31.9	6.25	26.72	204	244	P	H
	*	5530	90.83	-	-	79.4	31.9	6.25	26.72	204	244	A	H
	-	5732.555	50.57	-17.63	68.2	38.96	32.13	6.37	26.89	204	244	P	H
	-	5452.48	58.16	-15.84	74	46.88	31.8	6.17	26.69	230	360	P	V
	-	5469.76	59.85	-8.35	68.2	48.51	31.84	6.19	26.69	230	360	P	V
	-	5453.44	52.58	-1.42	54	41.29	31.81	6.17	26.69	230	360	A	V
	*	5530	102.82	-	-	91.39	31.9	6.25	26.72	230	360	P	V
	*	5530	94.73	-	-	83.3	31.9	6.25	26.72	230	360	A	V
	-	5745.785	50.72	-17.48	68.2	39.07	32.18	6.38	26.91	230	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz	-	11060	48.49	-25.51	74	54.46	40.26	10.25	56.48	100	0	P	H
	-	16590	47.48	-20.72	68.2	50.99	39.49	12.77	55.77	100	0	P	H
													H
													H
	-	11060	46.62	-27.38	74	52.59	40.26	10.25	56.48	100	0	P	V
	-	16590	46.35	-21.85	68.2	49.86	39.49	12.77	55.77	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF	-	41.64	23.89	-16.11	40	37.15	18.51	0.52	32.29	-	-	P	H
	-	94.99	27.05	-16.45	43.5	43.49	15	0.78	32.22	-	-	P	H
	-	200.72	23.6	-19.9	43.5	39.87	14.63	1.24	32.14	-	-	P	H
	-	561.56	26.75	-19.25	46	31.16	25.77	2.03	32.21	-	-	P	H
	-	743.92	30.01	-15.99	46	31.91	27.78	2.32	32	-	-	P	H
	-	941.8	33.12	-12.88	46	31.45	30.07	2.65	31.05	100	0	P	H
													H
													H
													H
													H
													H
													H
	-	43.58	27.44	-12.56	40	41.87	17.34	0.52	32.29	100	0	P	V
	-	94.99	22.87	-20.63	43.5	39.31	15	0.78	32.22	-	-	P	V
	-	266.68	20.17	-25.83	46	31.64	19.3	1.38	32.15	-	-	P	V
	-	424.79	28.62	-17.38	46	36.71	22.3	1.77	32.16	-	-	P	V
	-	878.75	32.58	-13.42	46	32.85	28.62	2.62	31.51	-	-	P	V
	-	952.47	32.96	-13.04	46	30.71	30.55	2.66	30.96	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

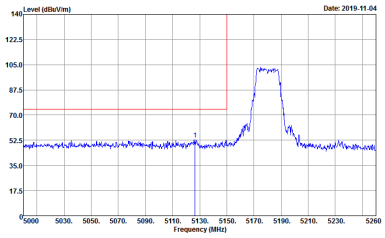
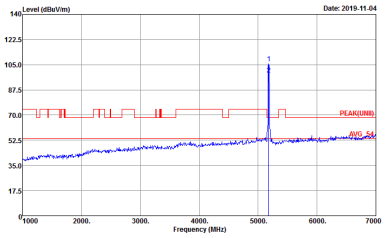
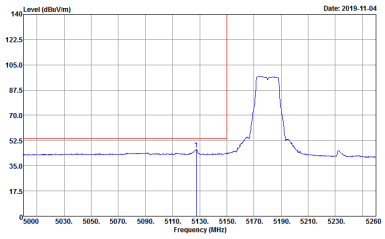
Test Engineer :	Ryan Lin、JC Liang、Wilson Wu	**Temperature :**	21.5~23.5°C
		Relative Humidity :	46.5~55.5%

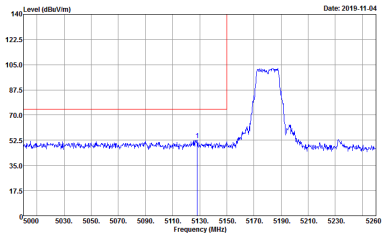
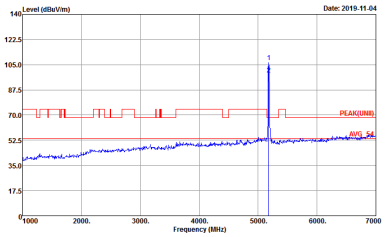
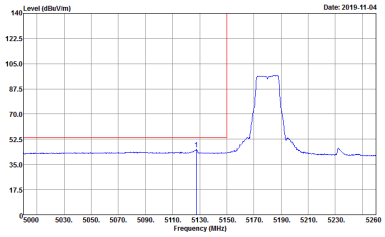
Note symbol

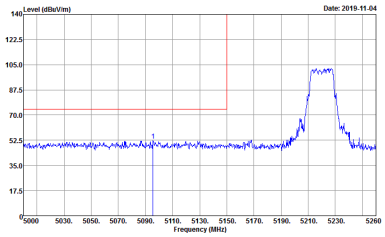
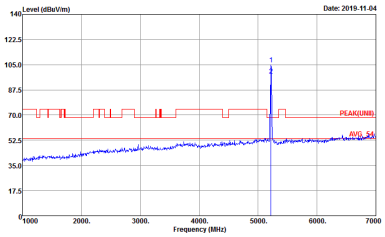
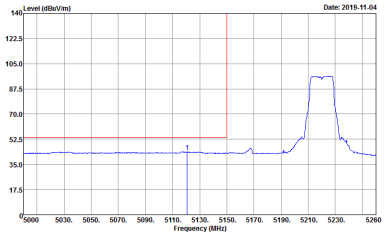
-L	**Low channel location**
-R	**High channel location**

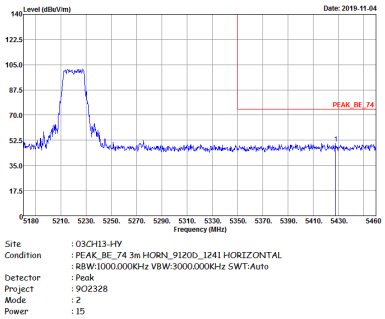
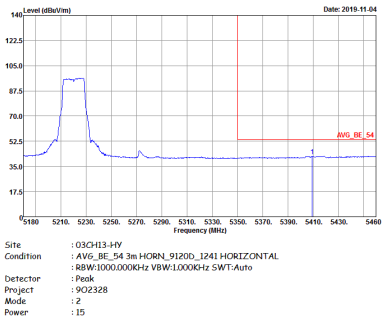
Band 1 - 5150~5250MHz

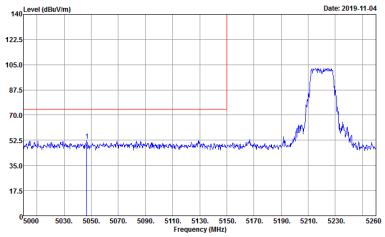
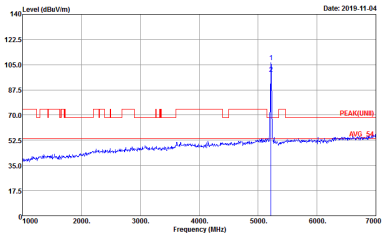
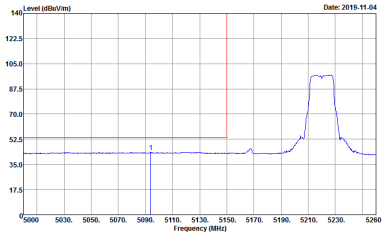
WIFI 802.11a (Band Edge @ 3m)

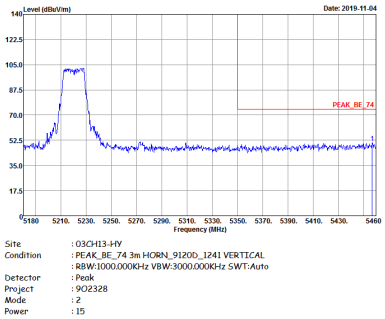
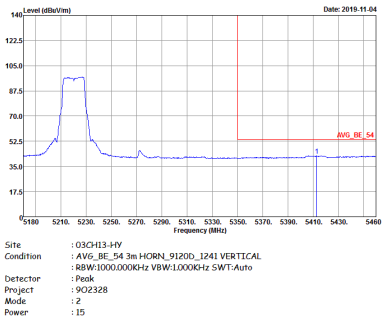
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 1 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 1 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 1 Power : 15	Left blank

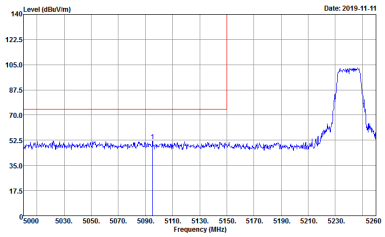
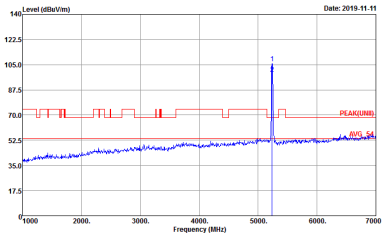
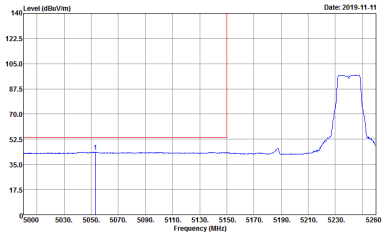
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 1 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 1 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 1 Power : 15	Left blank

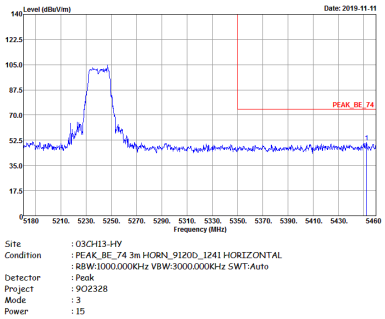
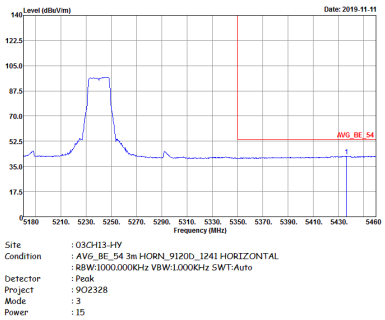
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 2 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 2 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 2 Power : 15	Left blank

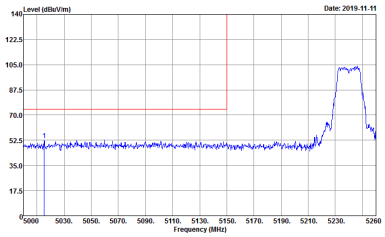
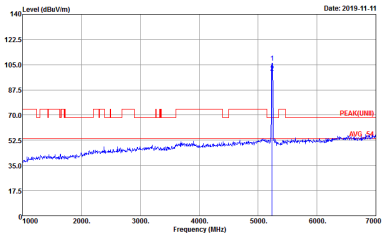
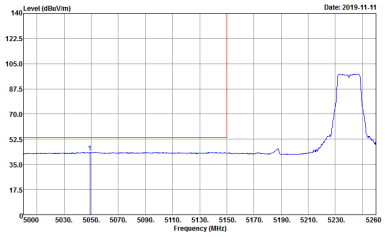
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

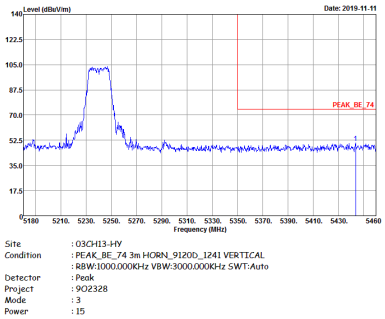
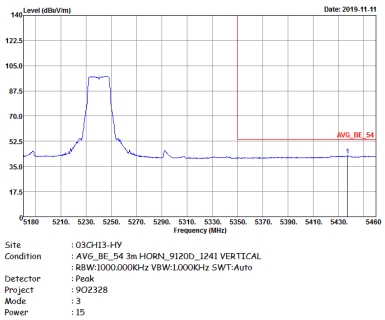
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 2 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 2 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 2 Power : 15	Left blank

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

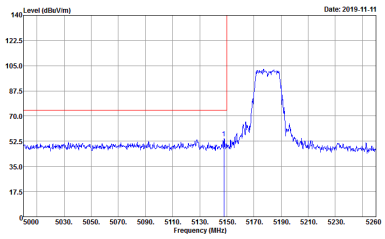
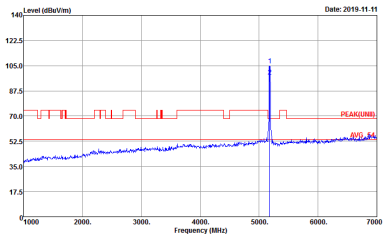
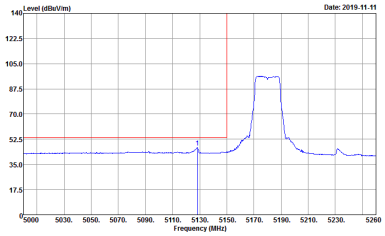
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 3 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 3 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 3 Power : 15	Left blank

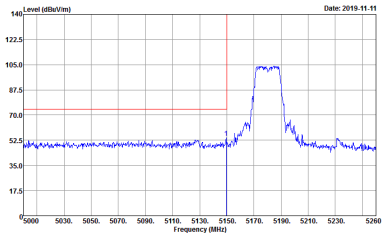
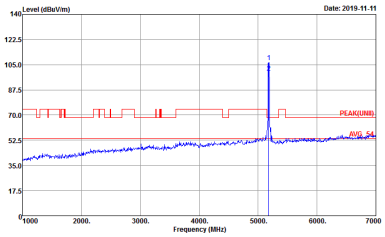
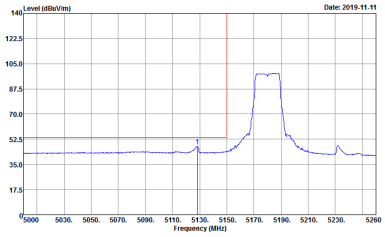
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

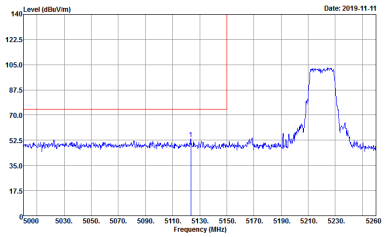
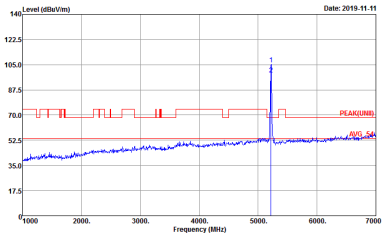
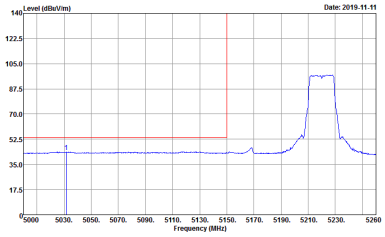
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 3 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 3 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 3 Power : 15	Left blank

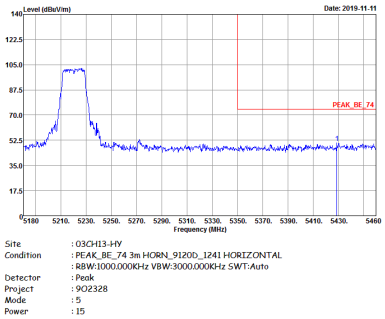
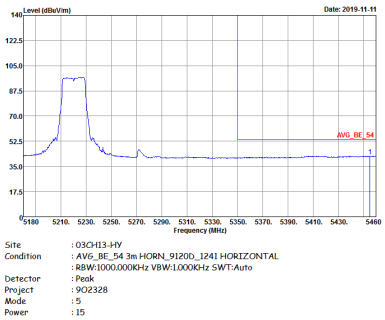
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

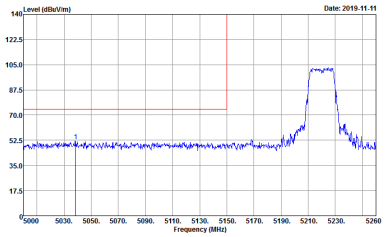
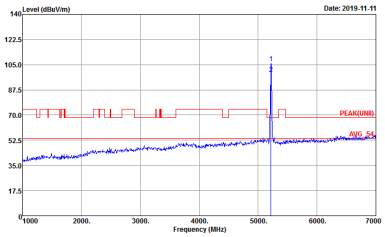
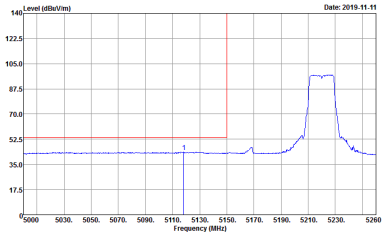
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

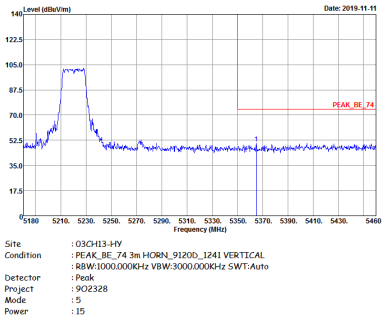
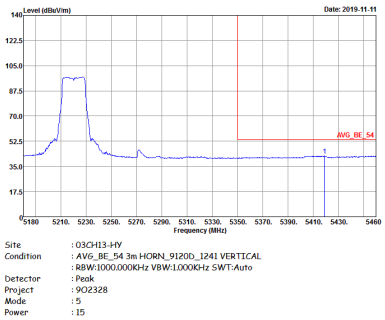
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 4 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 4 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 4 Power : 15	Left blank

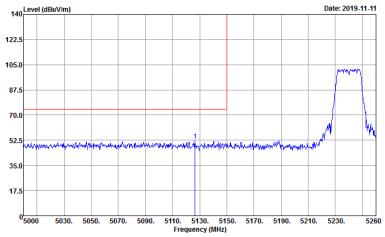
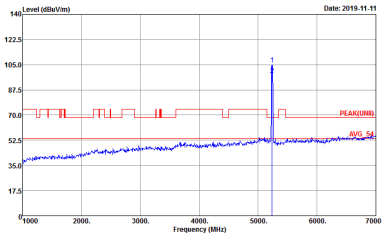
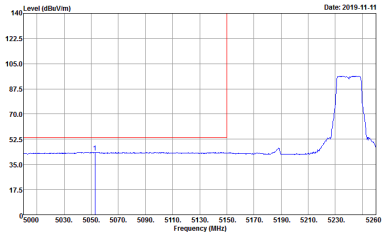
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 4 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 4 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 4 Power : 15	Left blank

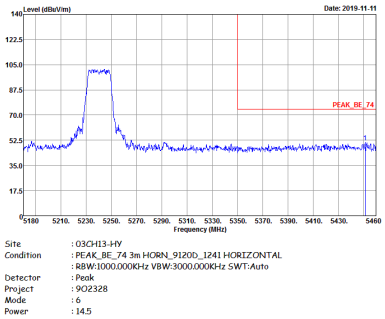
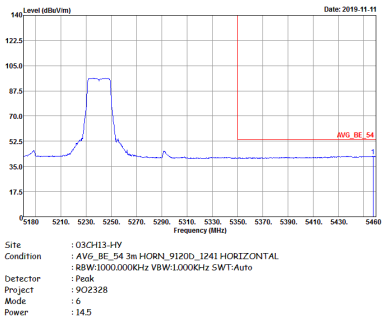
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 5 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 5 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 5 Power : 15	Left blank

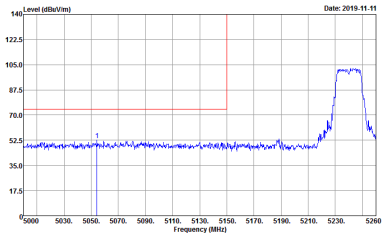
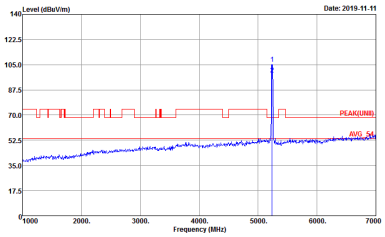
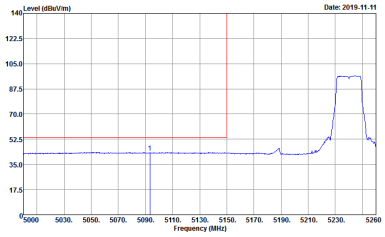
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

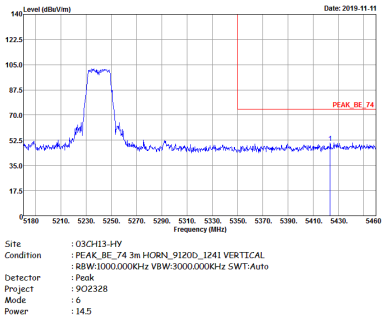
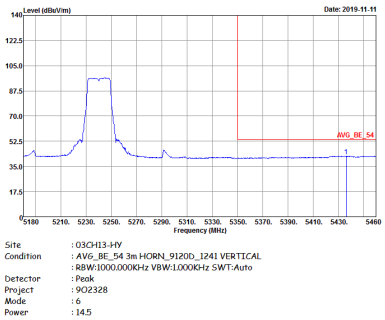
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 5 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 5 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 5 Power : 15	Left blank

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

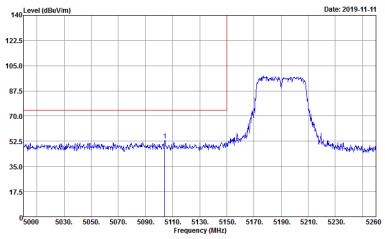
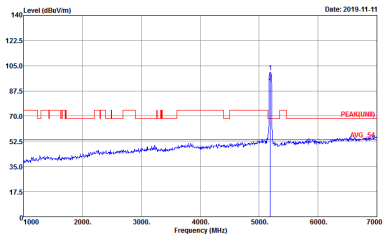
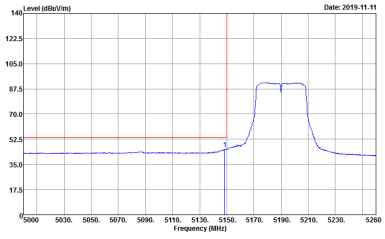
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5	Left blank

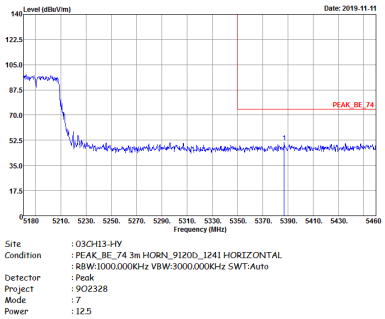
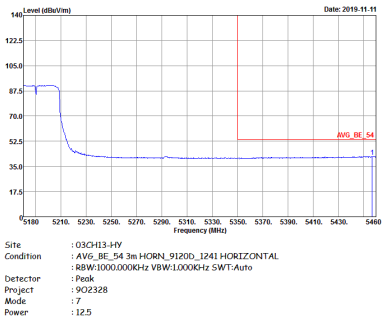
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

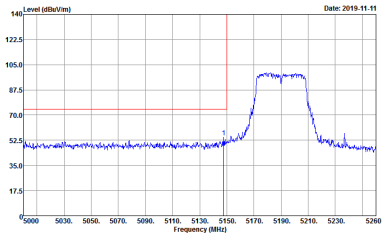
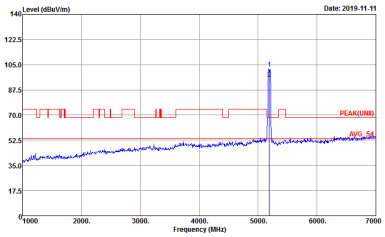
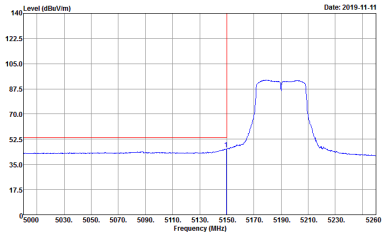
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5	Left blank

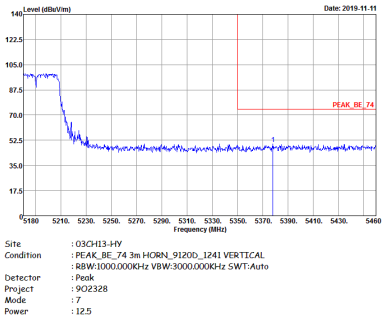
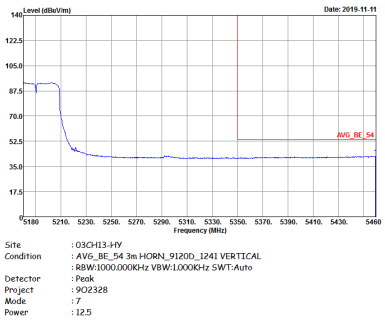
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

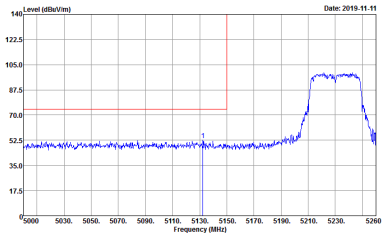
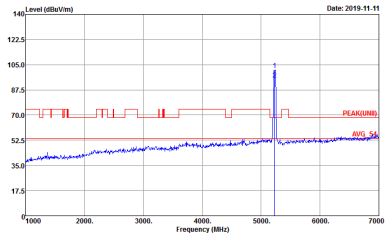
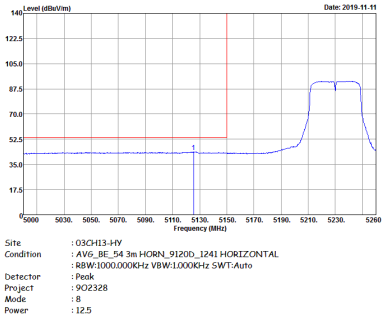
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

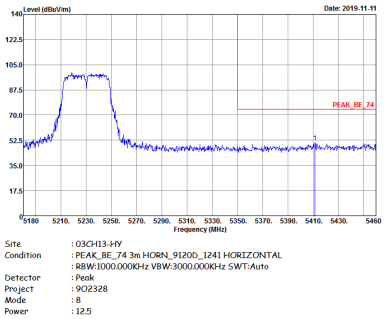
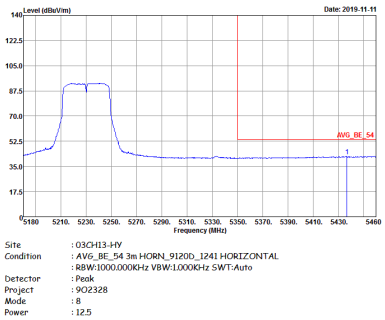
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5	Left blank

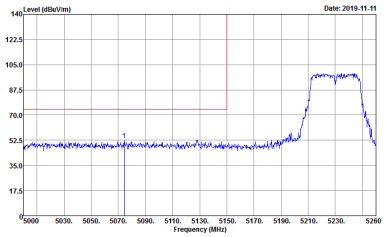
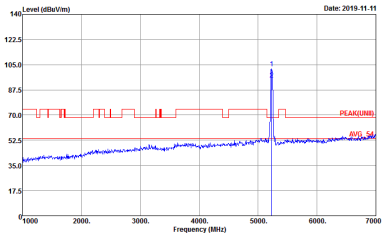
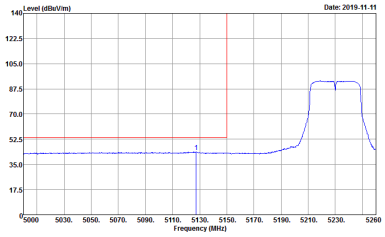
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

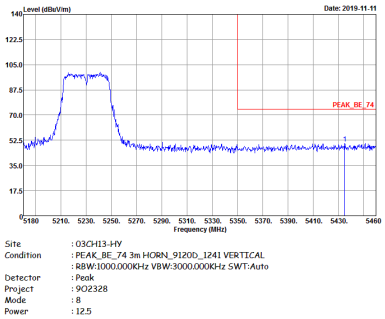
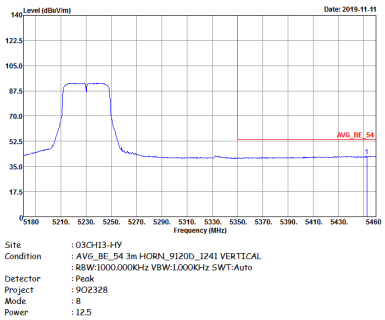
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5	Left blank

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

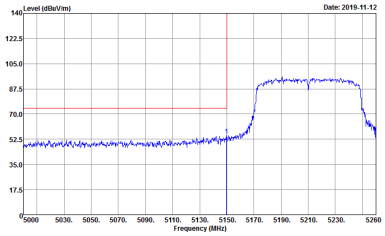
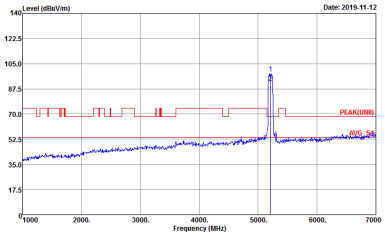
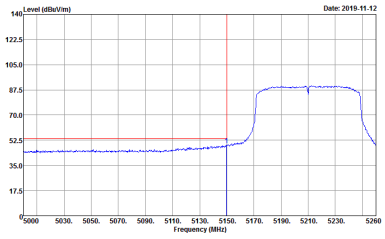
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

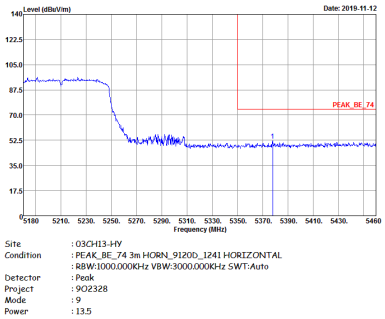
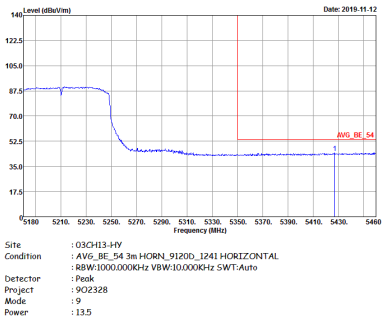
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

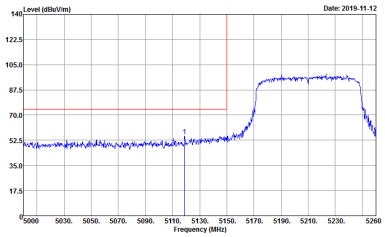
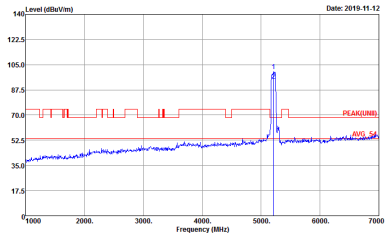
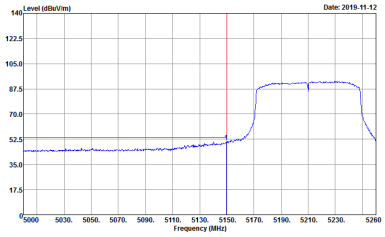
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 8 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 8 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 8 Power : 12.5	Left blank

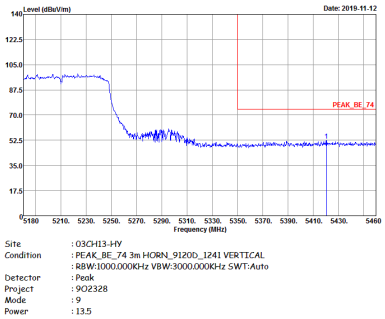
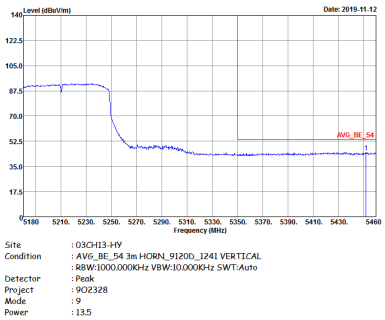
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 9 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 9 Power : 13.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 9 Power : 13.5	Left blank

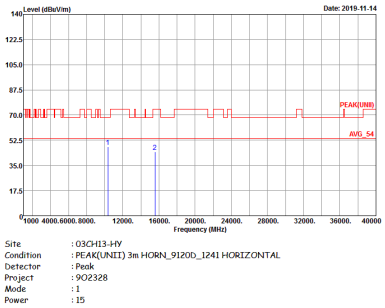
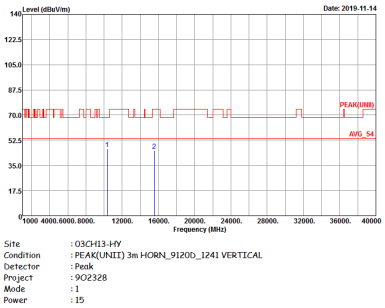
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

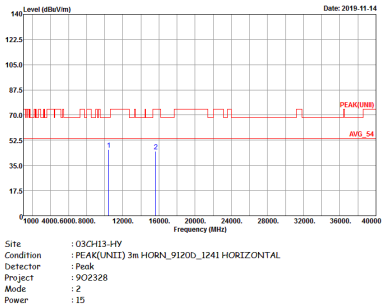
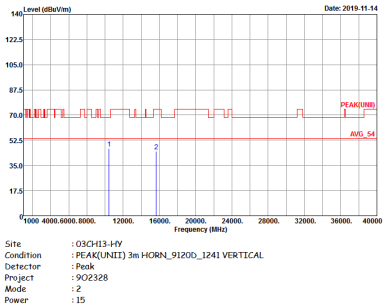
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

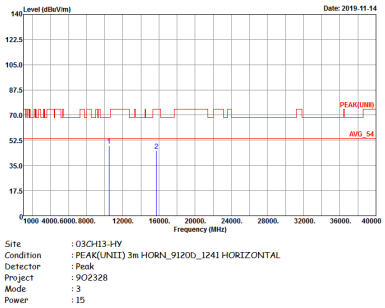
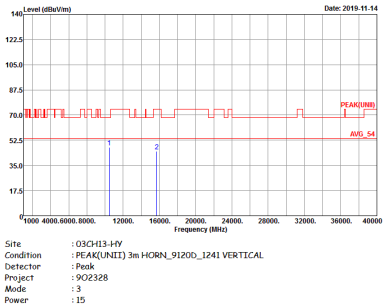
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

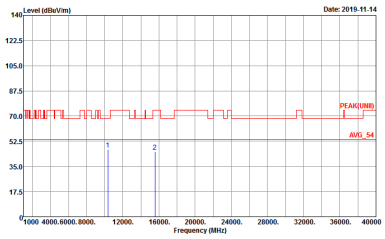
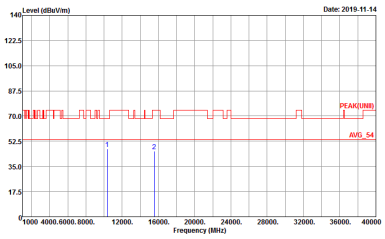
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 1 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 1 Power : 15

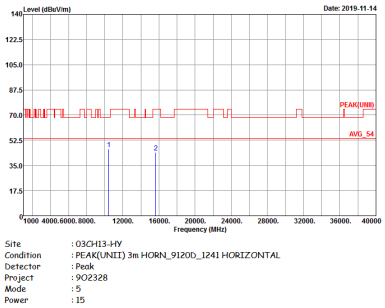
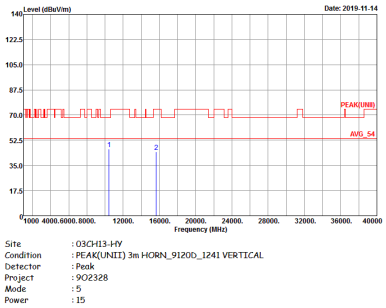
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 2 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 2 Power : 15

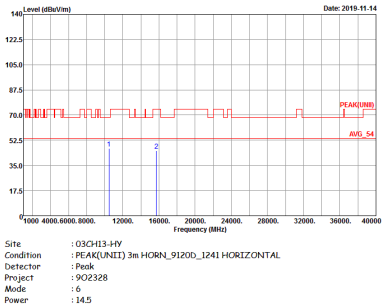
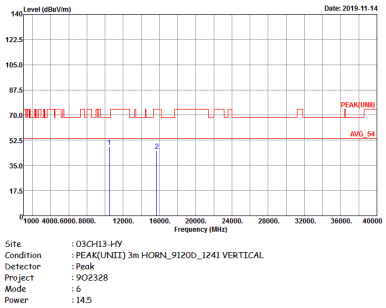
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

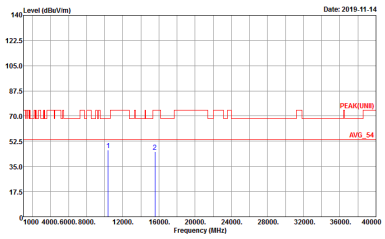
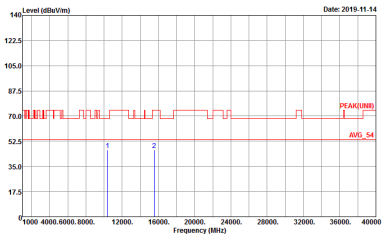
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 4 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 4 Power : 15

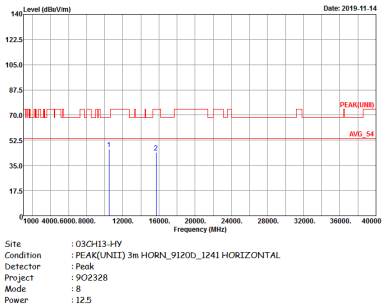
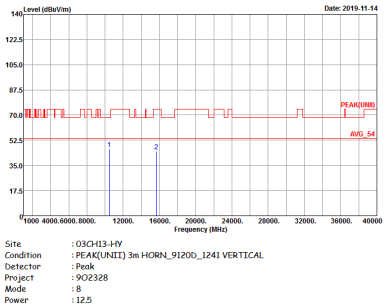
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 	

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 6 Power : 14.5

Band 1 5150~5250MHz

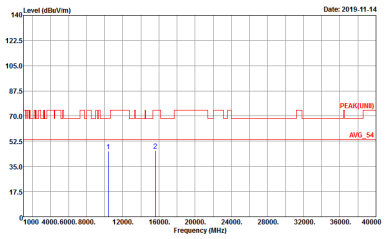
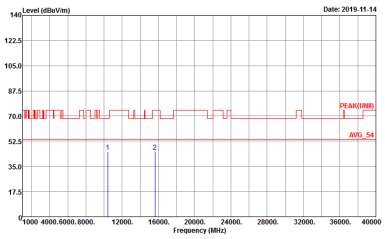
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 7 Power : 12.5

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

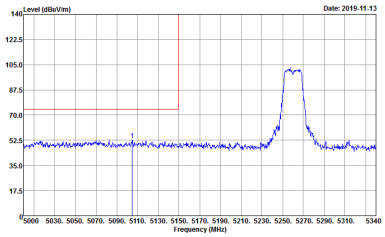
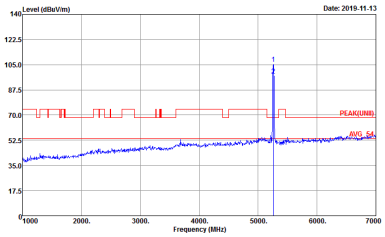
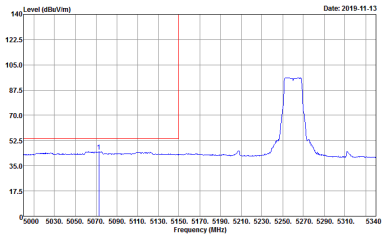
Band 1 5150~5250MHz

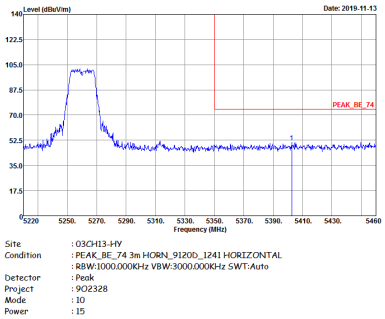
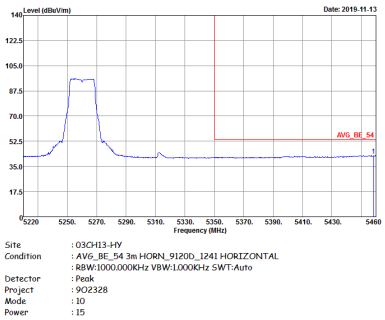
WIFI 802.11ac VHT80 (Harmonic @ 3m)

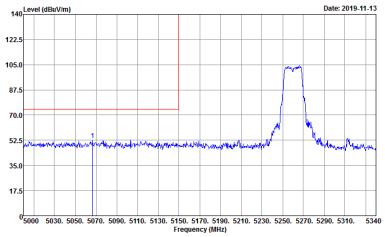
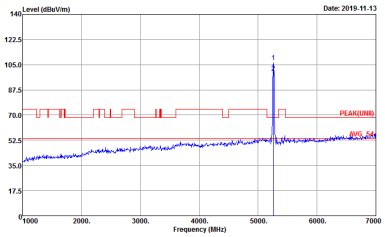
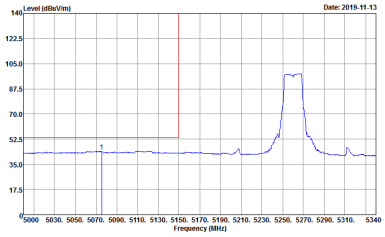
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 9 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 9 Power : 13.5

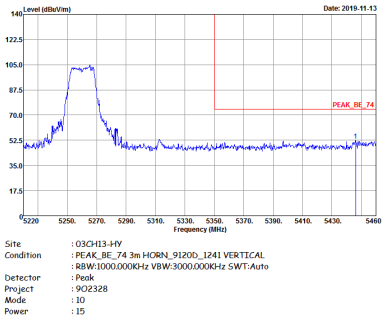
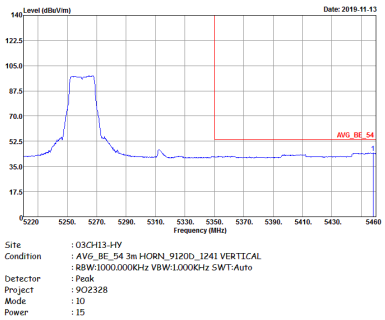
Band 2 - 5250~5350MHz

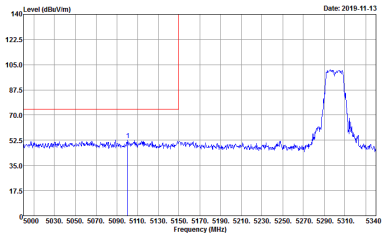
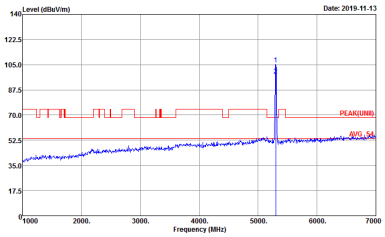
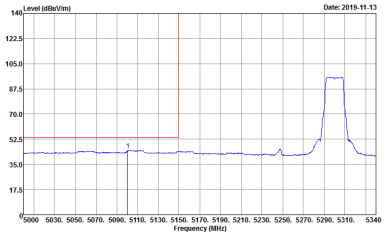
WIFI 802.11a (Band Edge @ 3m)

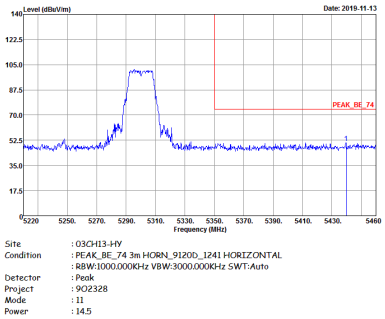
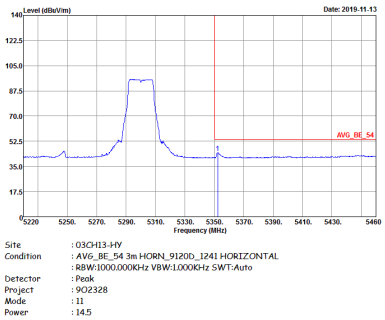
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 10 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 10 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 10 Power : 15	Left blank

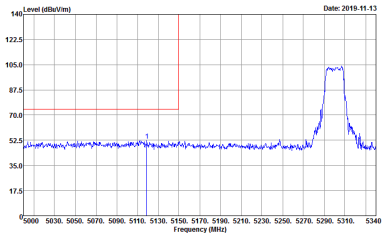
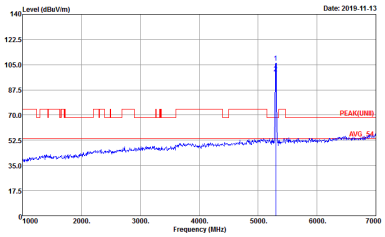
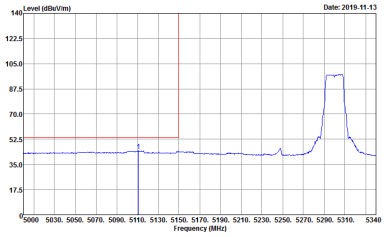
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

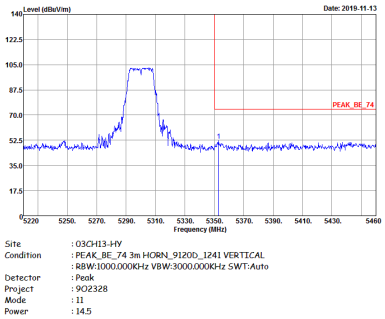
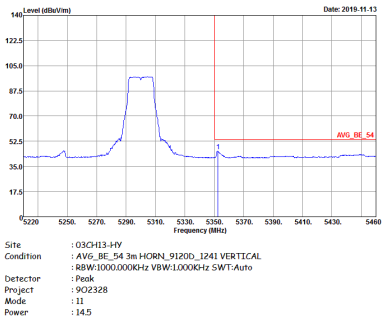
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 10 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 10 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 10 Power : 15	Left blank

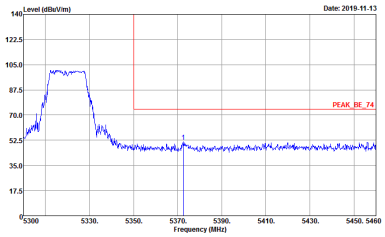
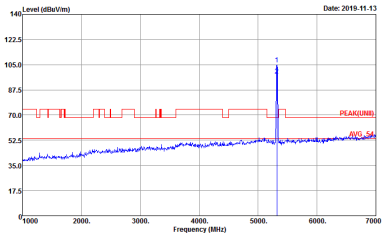
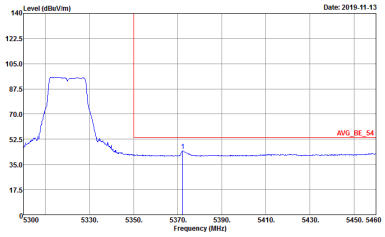
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

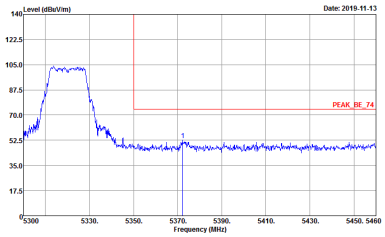
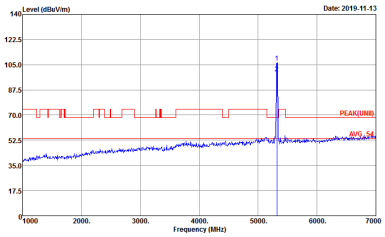
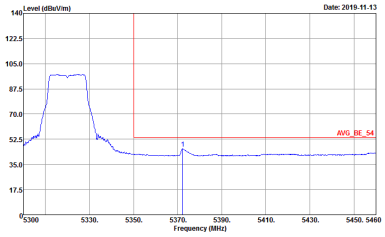
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 11 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 11 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 11 Power : 14.5	Left blank

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

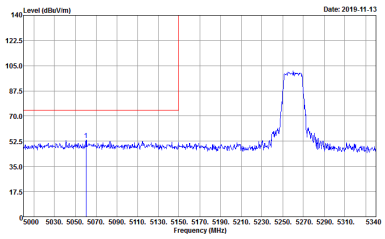
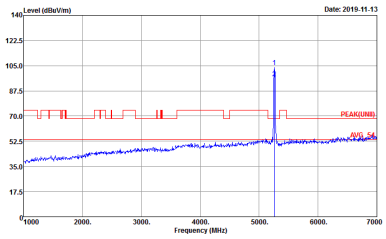
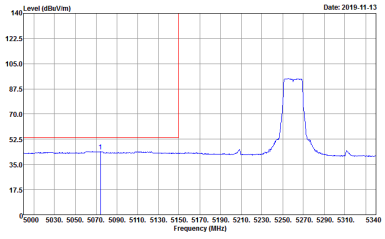
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 11 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 11 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 11 Power : 14.5	Left blank

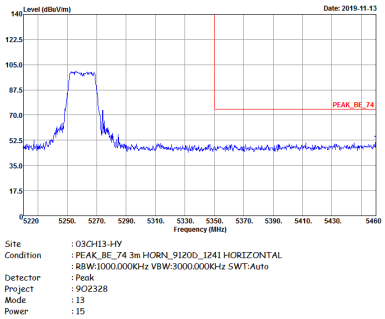
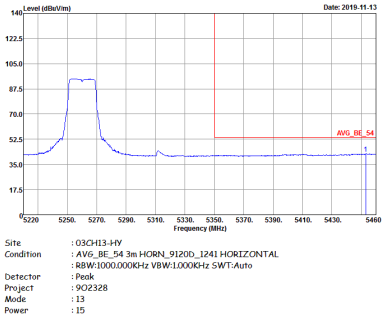
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

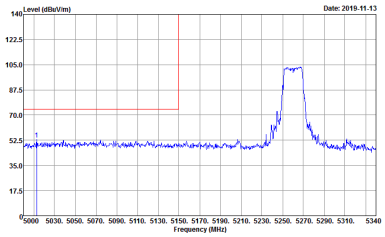
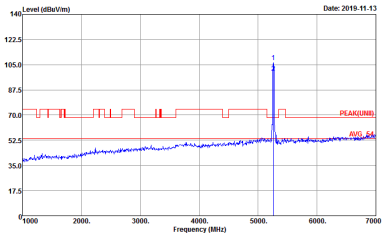
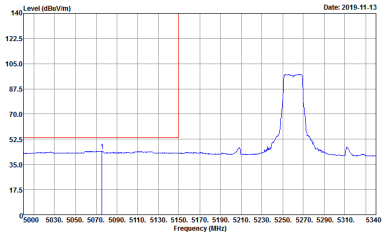
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5	Left blank

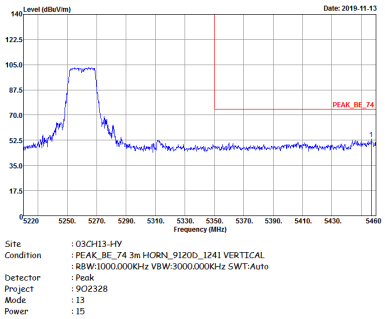
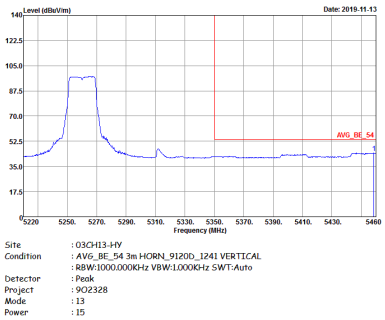
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5	Left blank

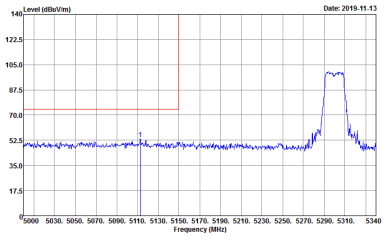
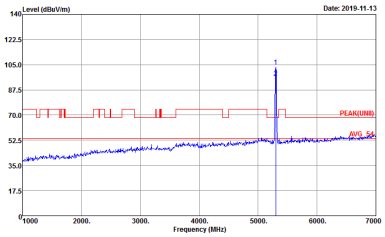
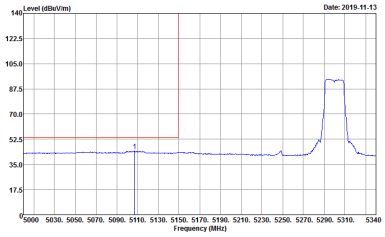
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

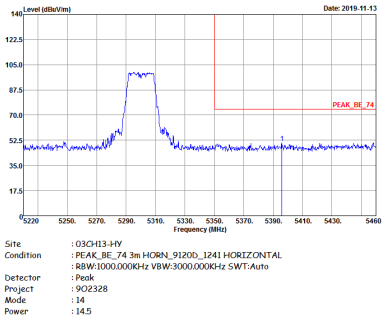
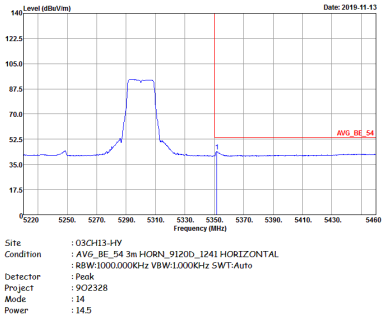
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 13 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 13 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 13 Power : 15	Left blank

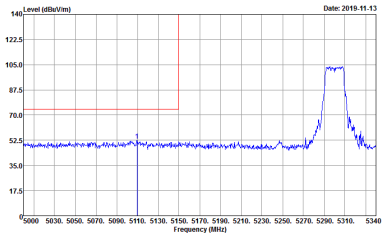
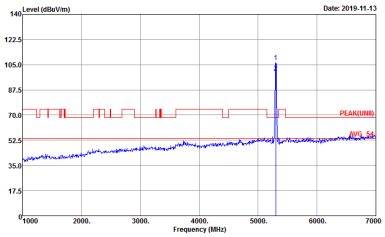
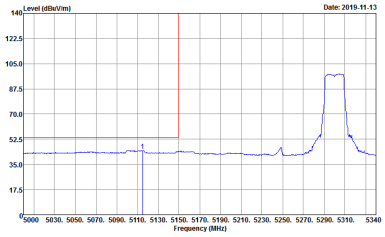
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

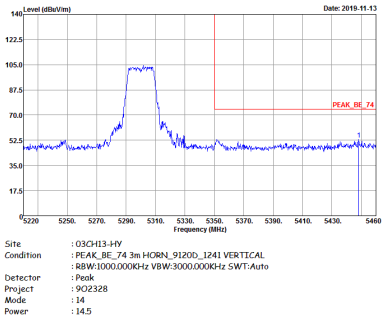
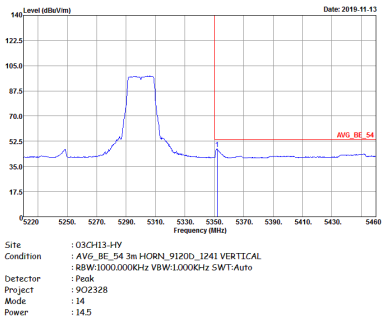
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 13 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 13 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 13 Power : 15	Left blank

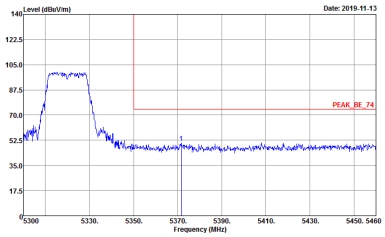
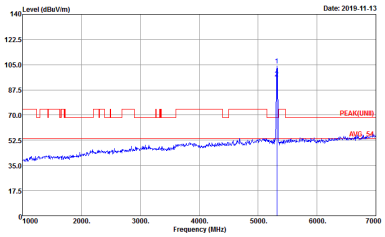
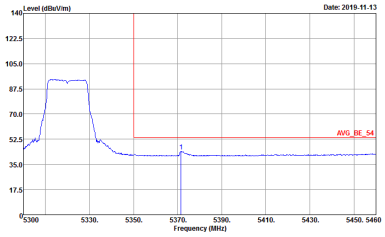
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

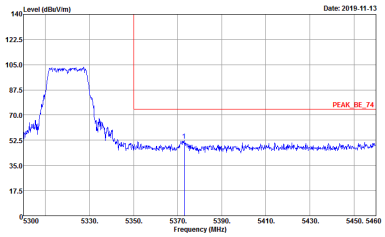
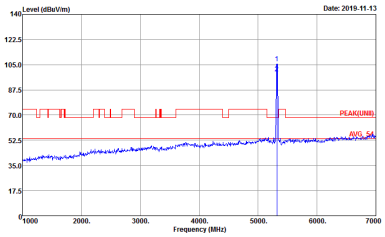
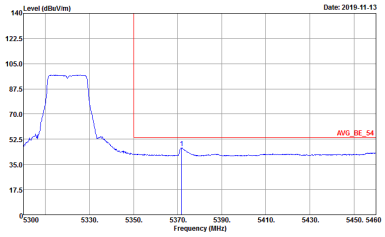
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 14 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 14 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 14 Power : 14.5	Left blank

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

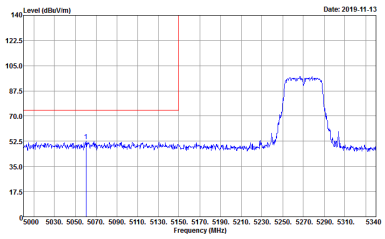
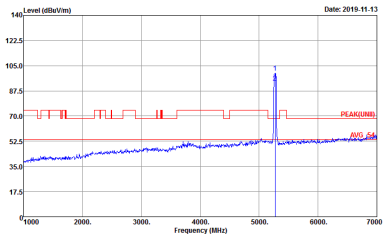
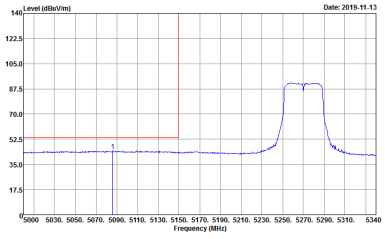
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 14 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 14 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 14 Power : 14.5	Left blank

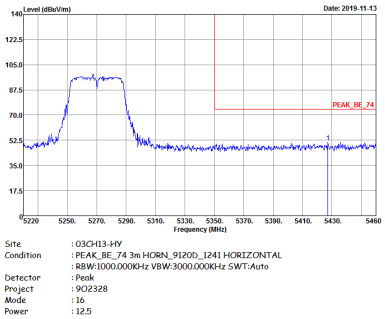
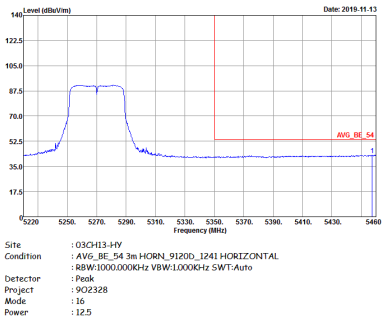
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

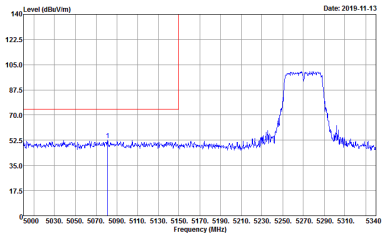
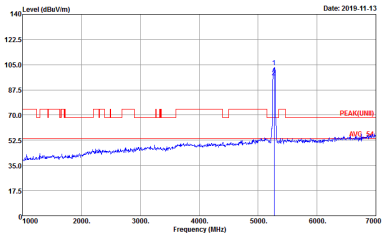
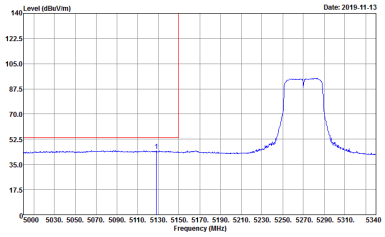
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 15 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 15 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 15 Power : 14.5	Left blank

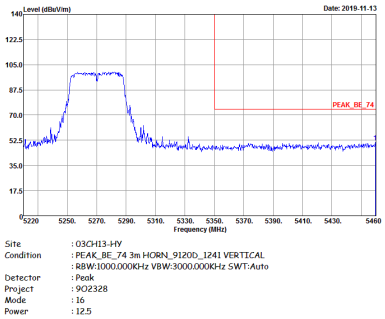
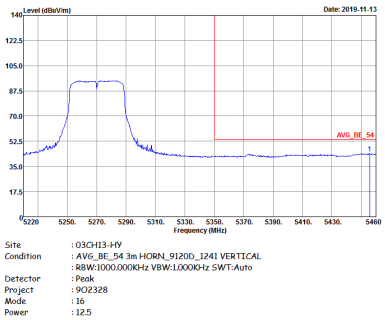
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 15 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 15 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 15 Power : 14.5	Left blank

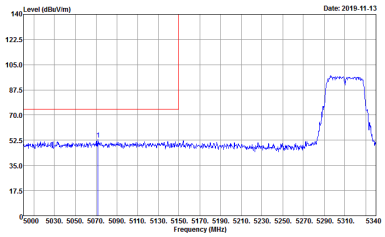
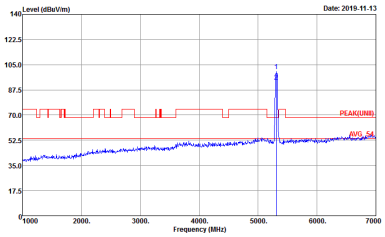
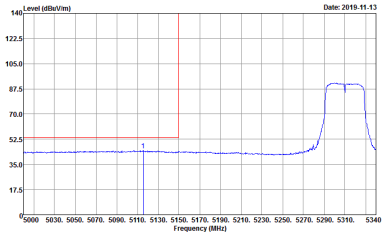
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

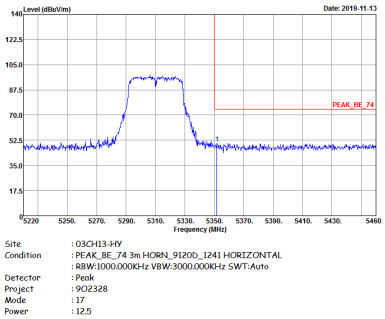
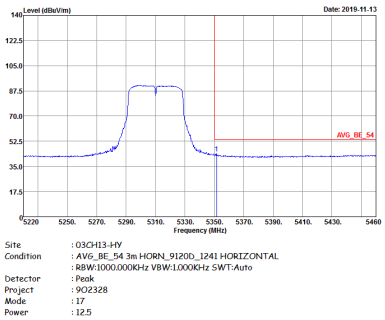
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5	Left blank

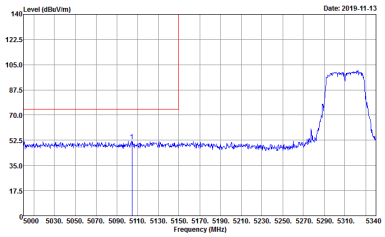
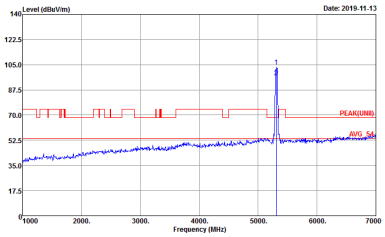
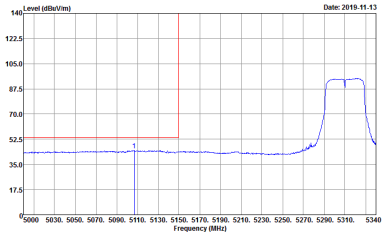
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

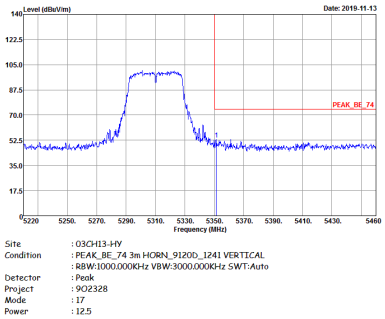
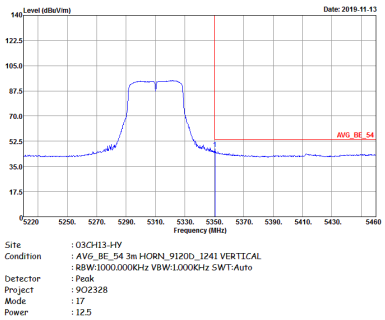
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5	Left blank

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

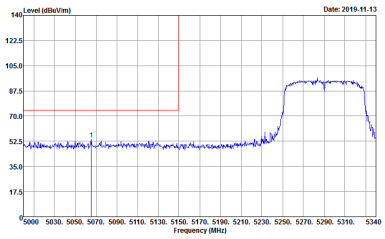
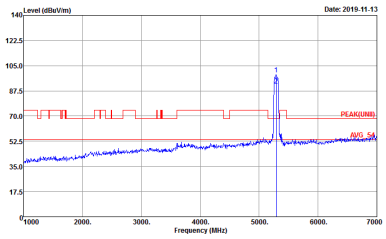
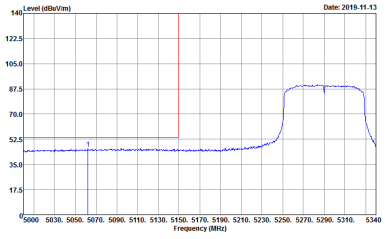
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5	Left blank

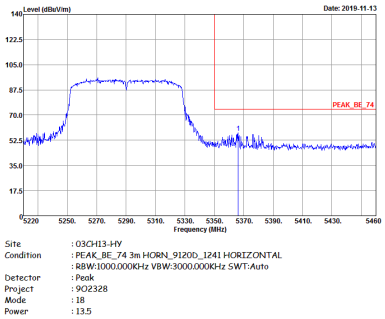
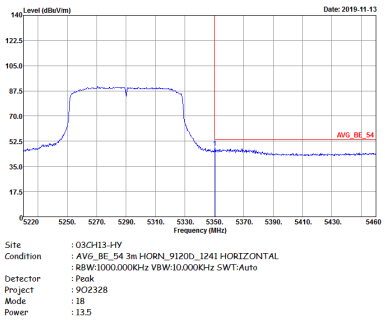
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

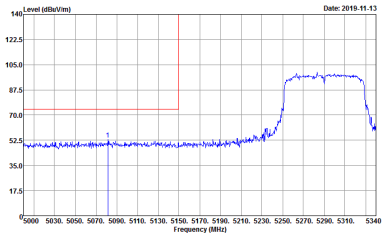
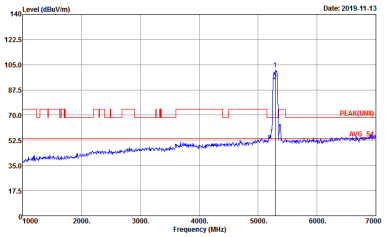
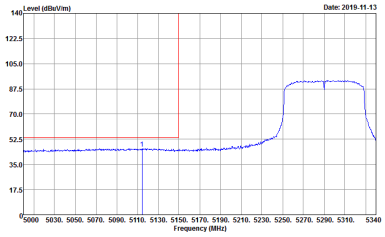
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5	Left blank

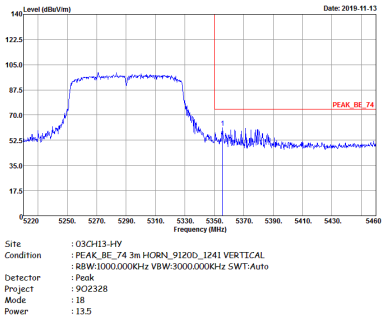
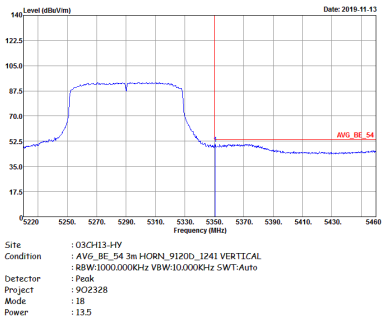
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5	Left blank

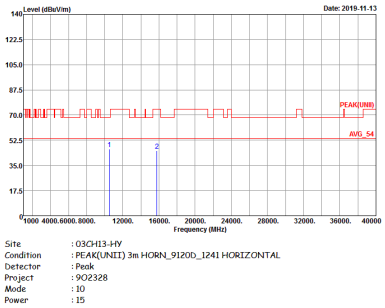
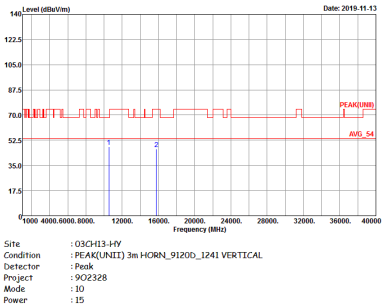
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

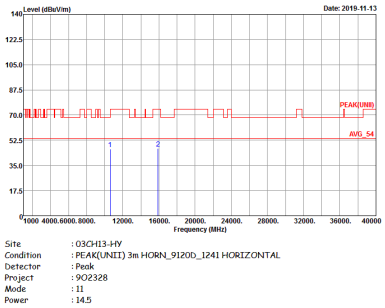
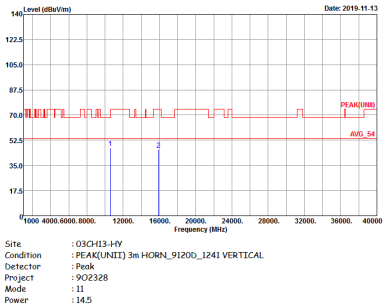
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5	Left blank

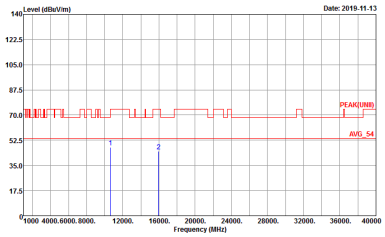
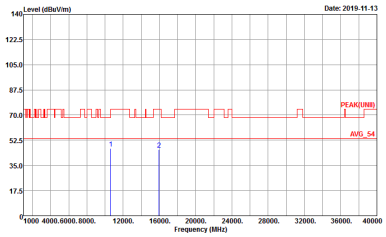
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

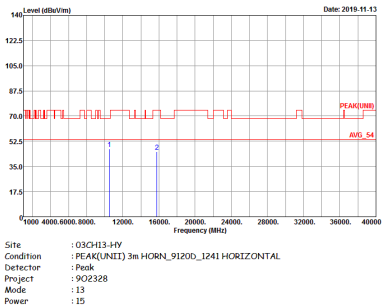
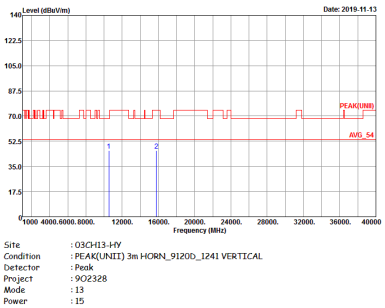
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 10 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 10 Power : 15

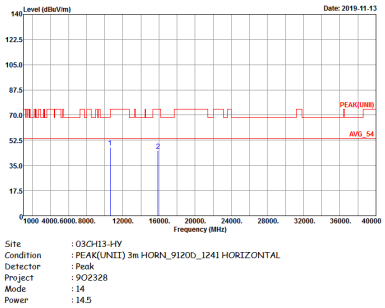
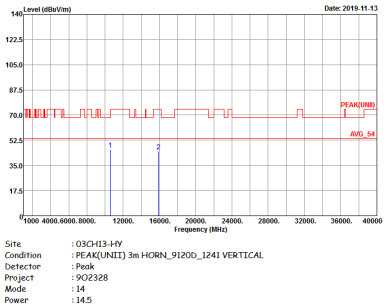
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

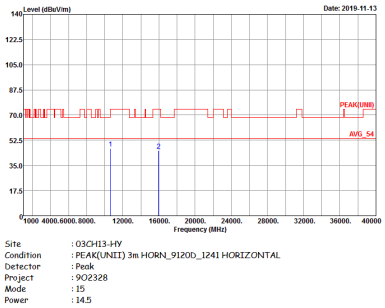
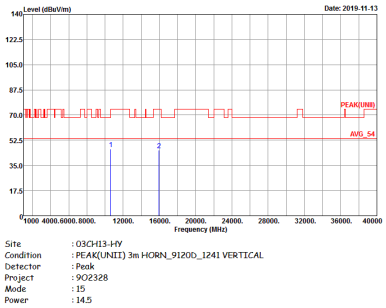
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 12 Power : 14.5

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

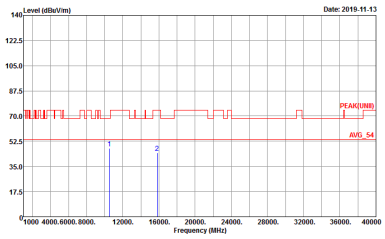
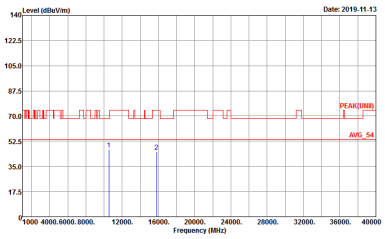
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

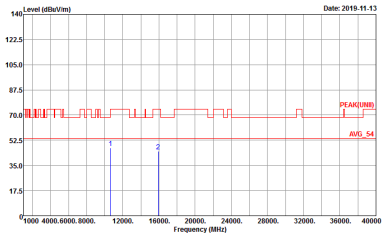
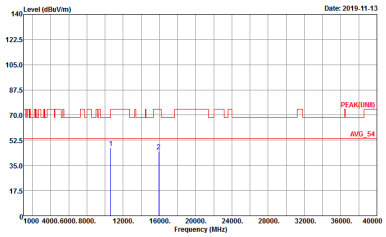
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 2 5250~5350MHz

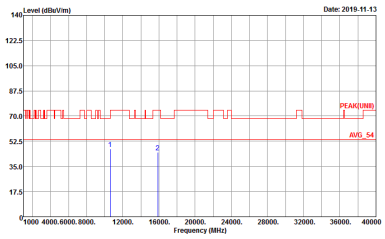
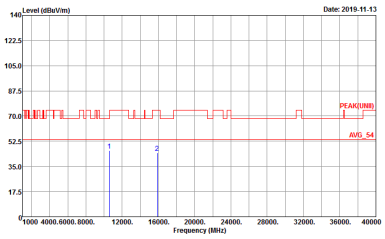
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 16 Power : 12.5

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 17 Power : 12.5

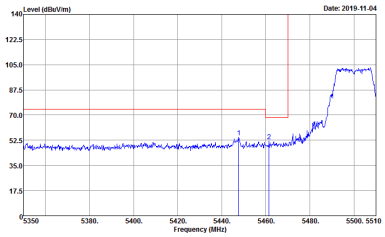
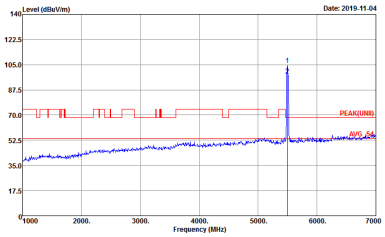
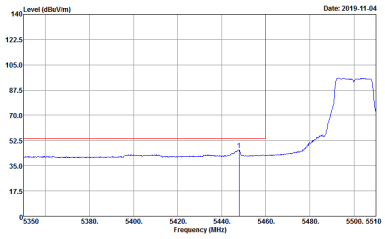
Band 2 5250~5350MHz

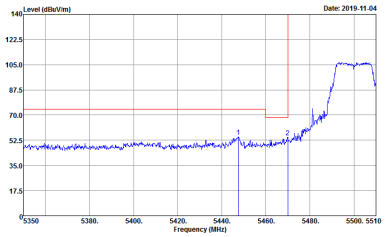
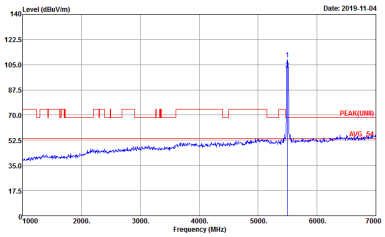
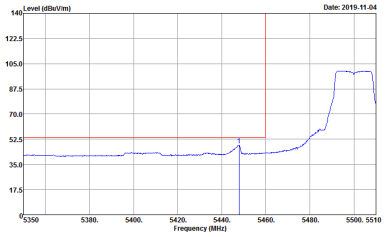
WIFI 802.11ac VHT80 (Harmonic @ 3m)

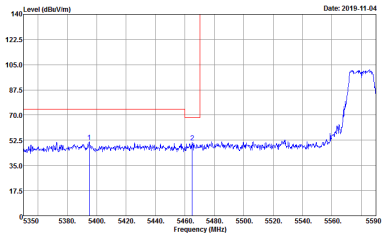
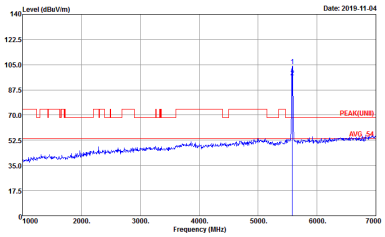
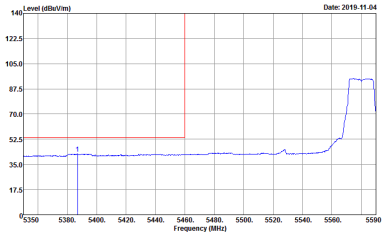
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 18 Power : 13.5

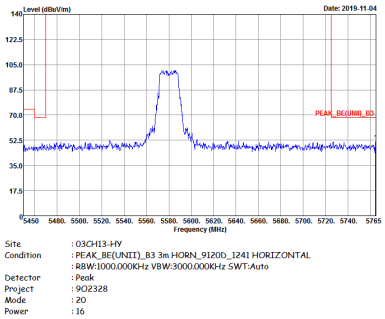
Band 3 - 5470~5725MHz

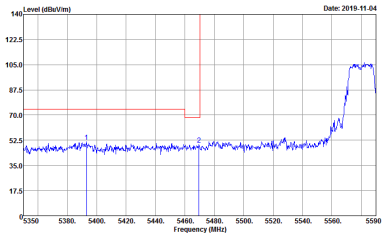
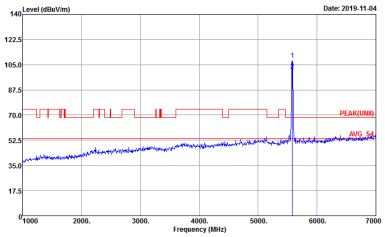
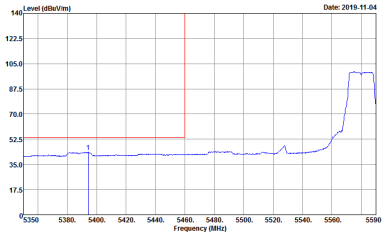
WIFI 802.11a (Band Edge @ 3m)

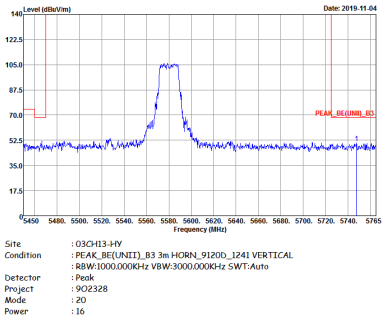
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5	Left blank

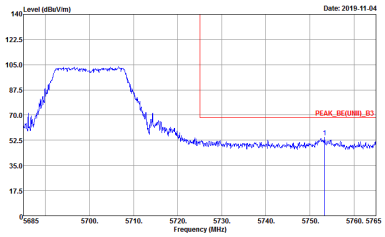
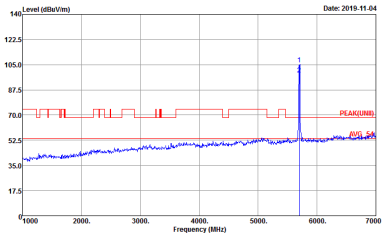
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5	Left blank

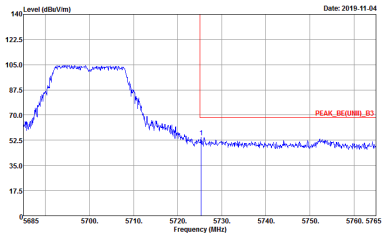
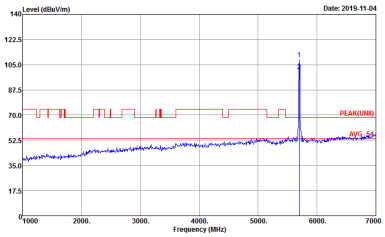
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16	Left blank

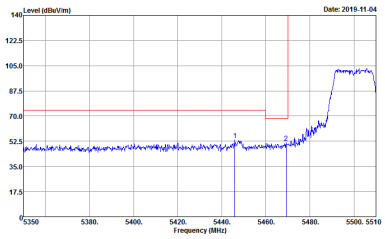
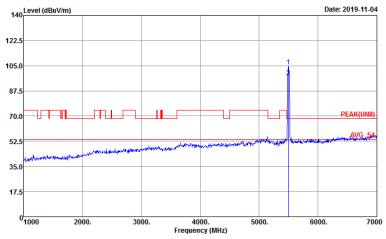
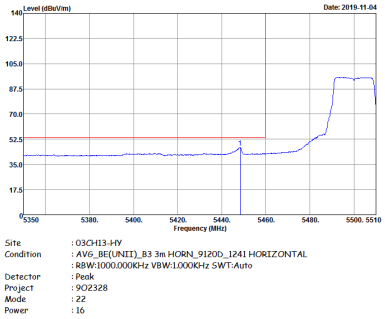
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16	Left blank

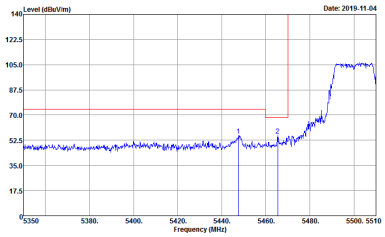
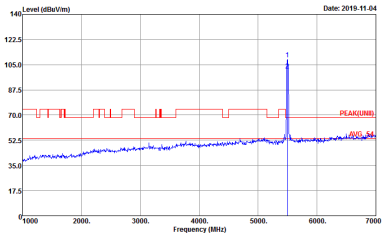
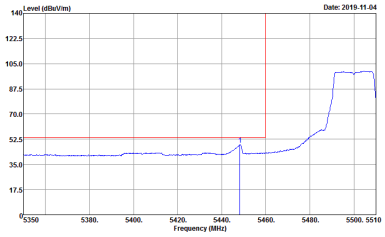
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 20 Power : 16	Left blank

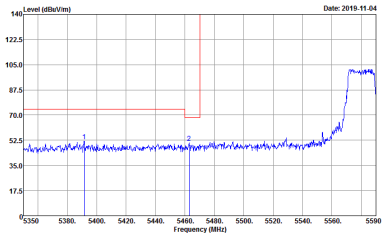
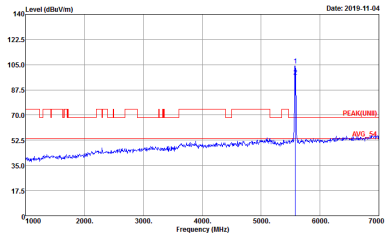
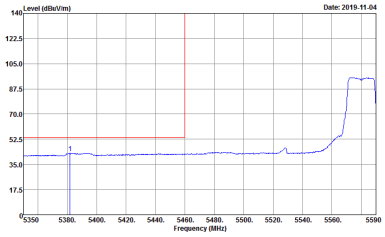
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 21 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 21 Power : 16

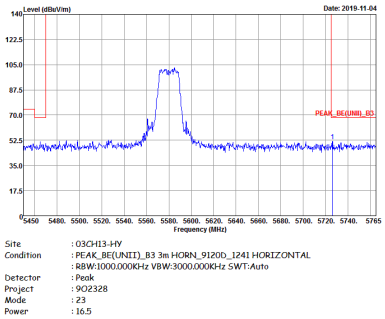
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 21 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 21 Power : 16

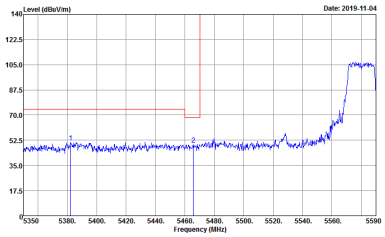
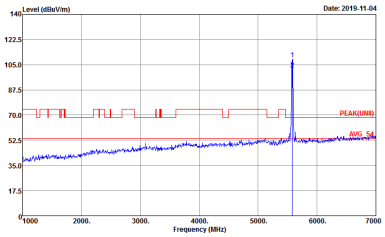
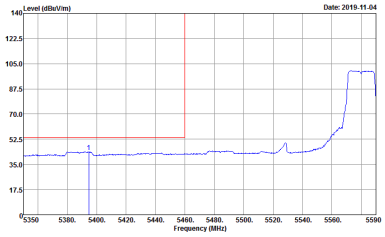
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

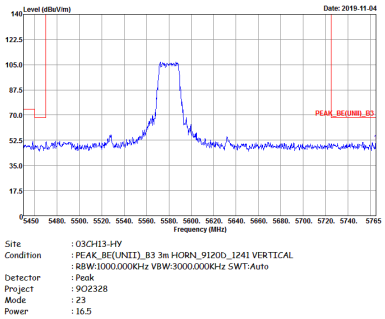
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

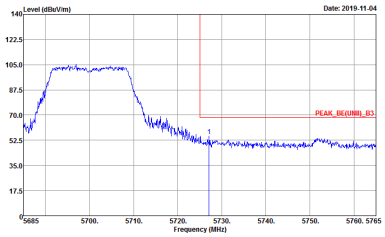
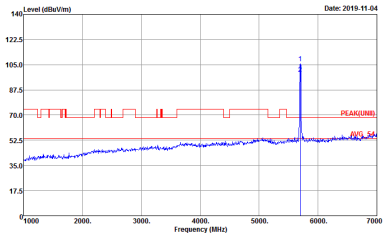
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 22 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 22 Power : 16
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 22 Power : 16	Left blank

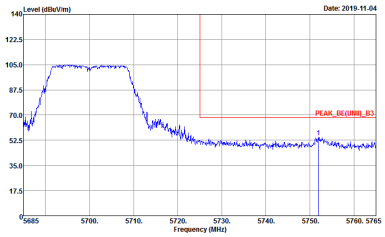
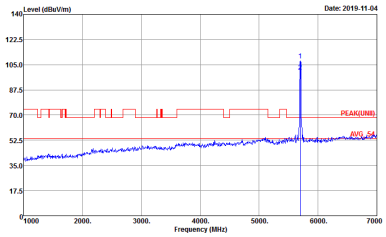
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 23 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 23 Power : 16.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 23 Power : 16.5	Left blank

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

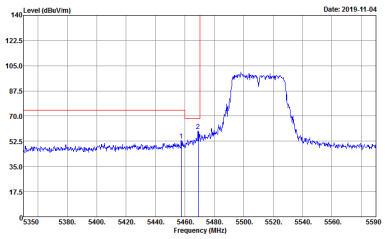
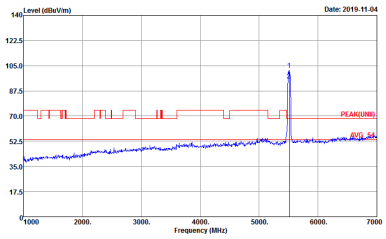
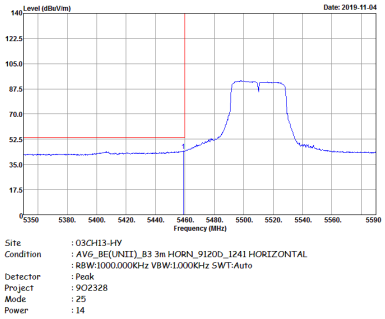
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 23 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 23 Power : 16.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 23 Power : 16.5	Left blank

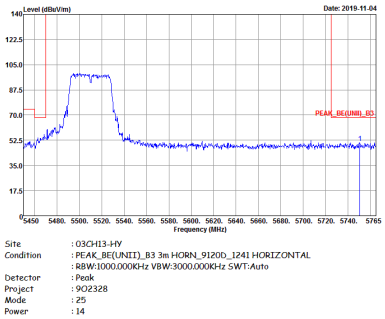
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

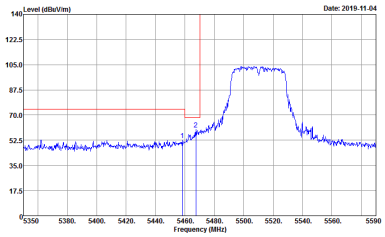
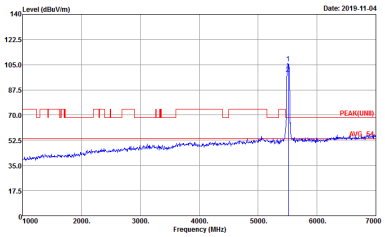
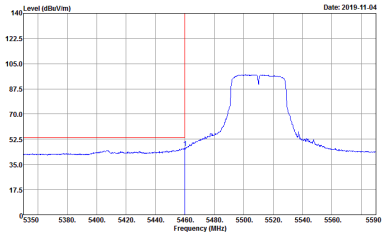
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 24 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 24 Power : 16.5

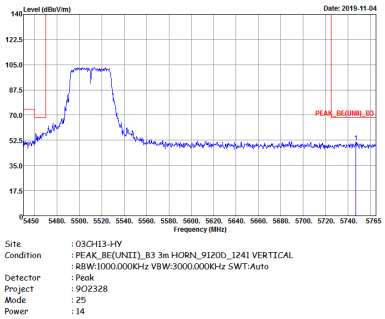
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 24 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 24 Power : 16.5

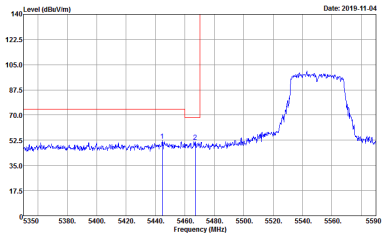
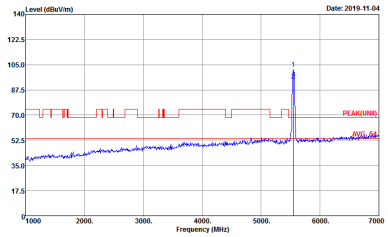
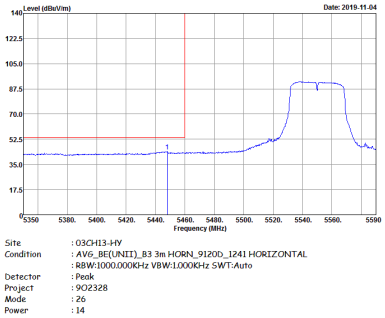
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

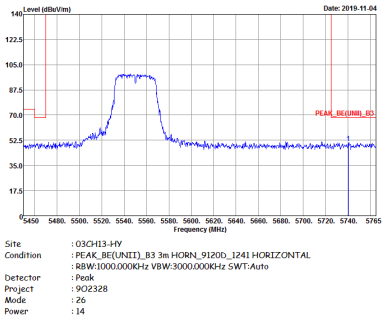
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

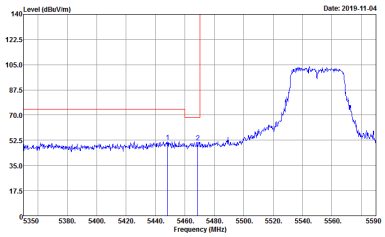
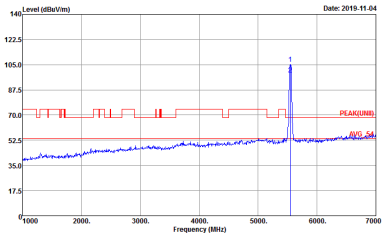
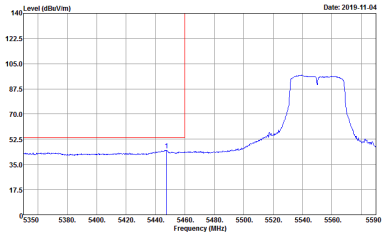
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

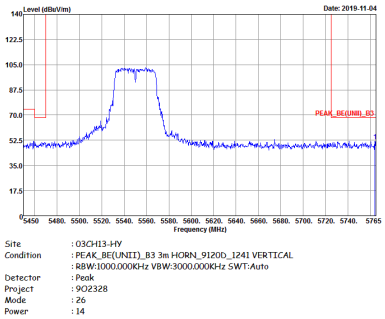
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 25 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 25 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 25 Power : 14	Left blank

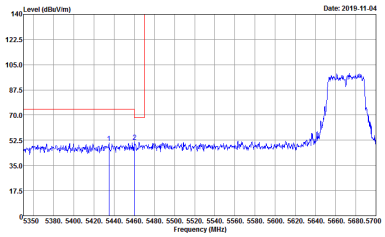
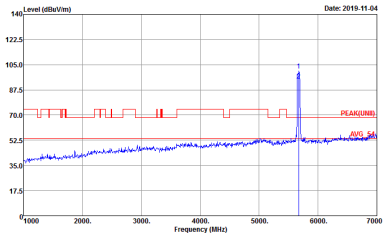
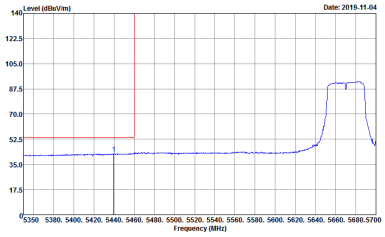
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

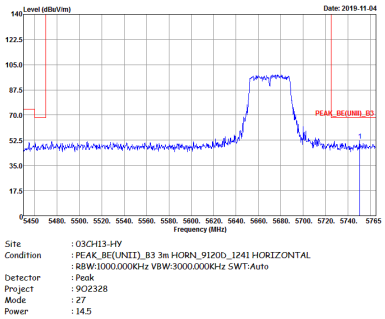
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

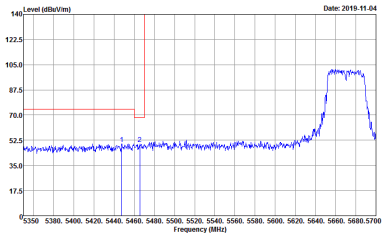
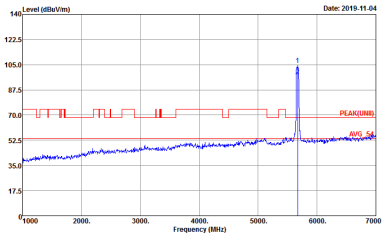
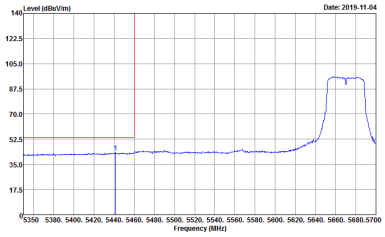
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

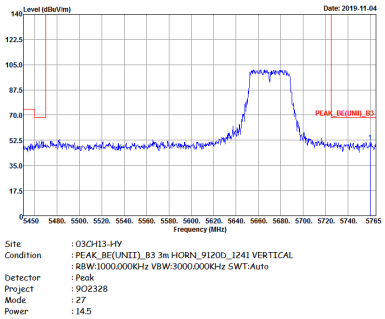
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 26 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 26 Power : 14
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 26 Power : 14	Left blank

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

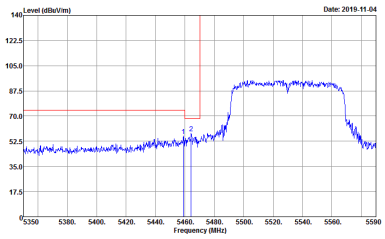
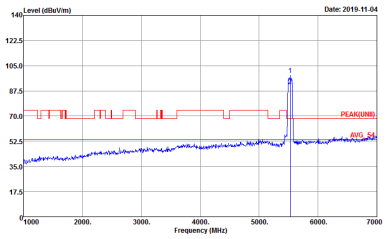
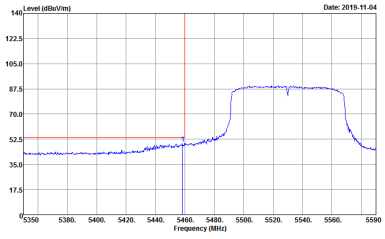
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 27 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 27 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 27 Power : 14.5	Left blank

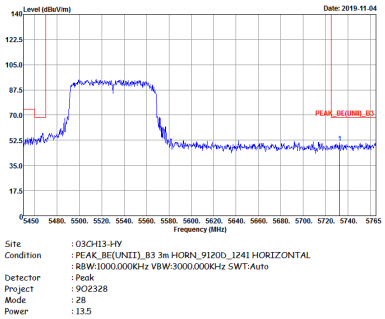
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 27 Power : 14.5	Left blank

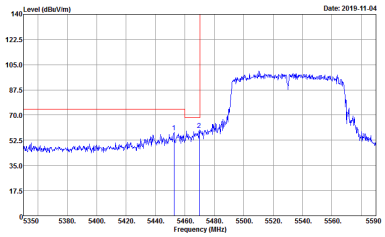
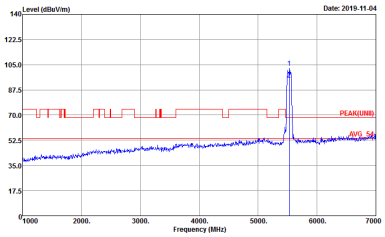
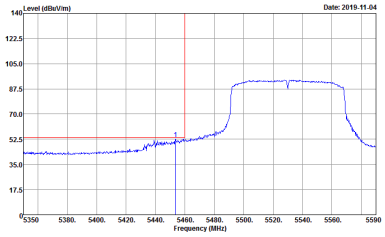
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 27 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 27 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 27 Power : 14.5	Left blank

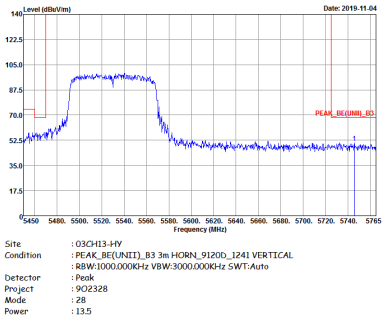
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 28 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 28 Power : 13.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 28 Power : 13.5	Left blank

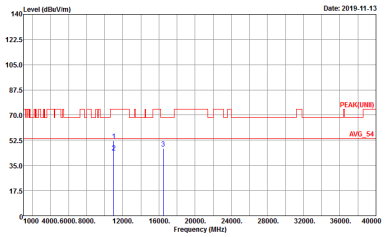
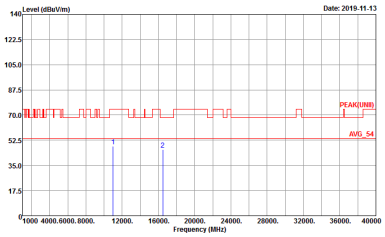
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

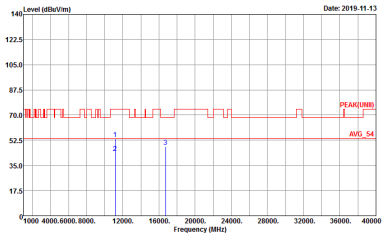
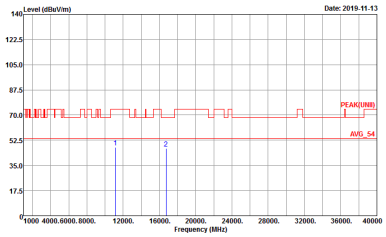
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 28 Power : 13.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 28 Power : 13.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 9O2328 Mode : 28 Power : 13.5	Left blank

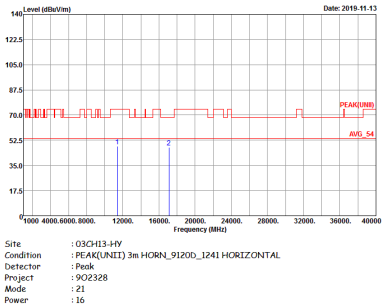
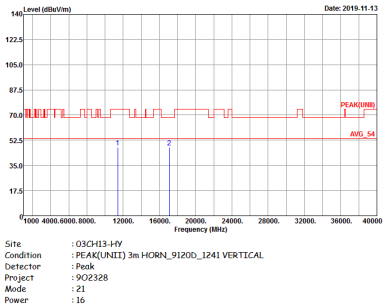
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

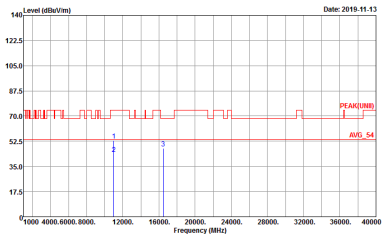
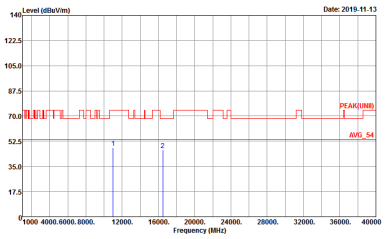
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 19 Power : 16.5

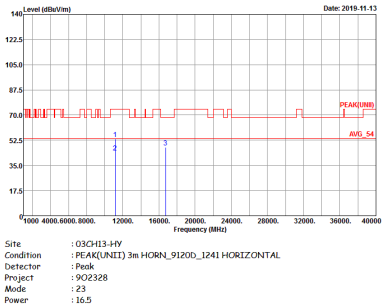
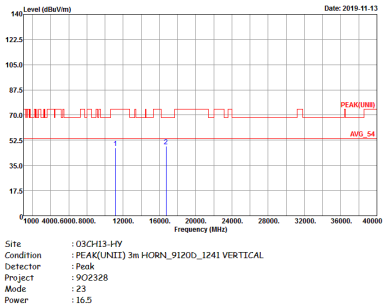
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 20 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 20 Power : 16

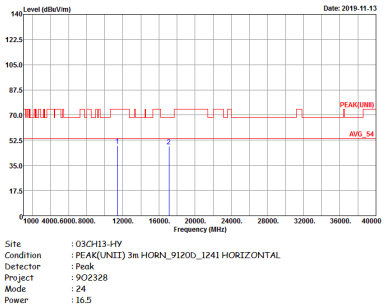
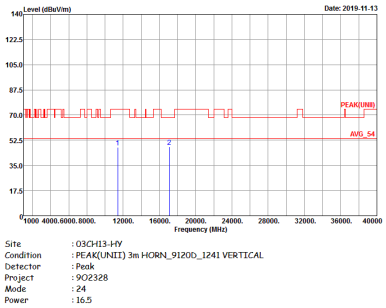
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 	

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

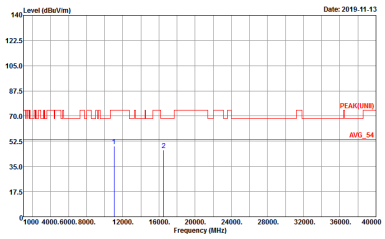
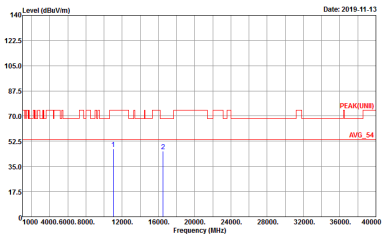
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 22 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 22 Power : 16

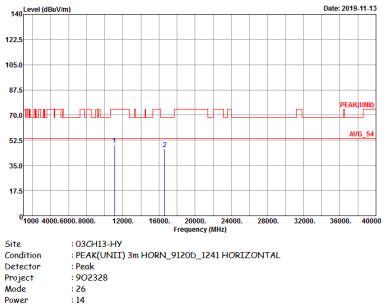
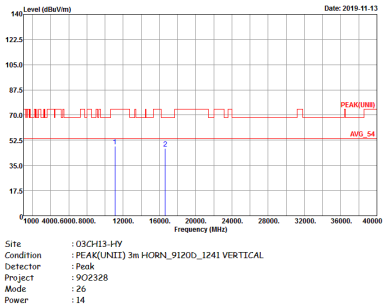
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 	

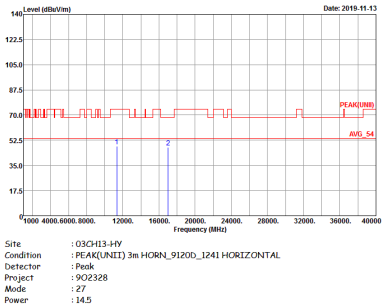
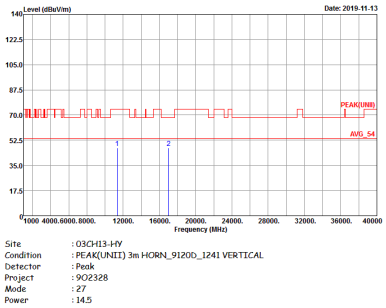
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 	

Band 3 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

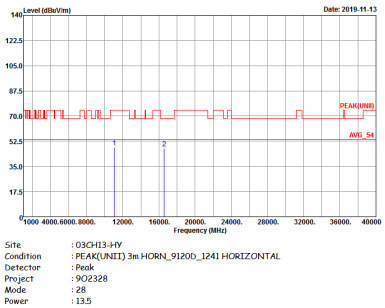
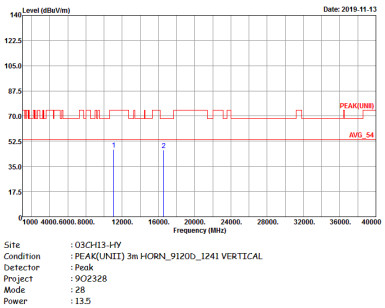
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 9O2328 Mode : 25 Power : 14	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 9O2328 Mode : 25 Power : 14

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

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

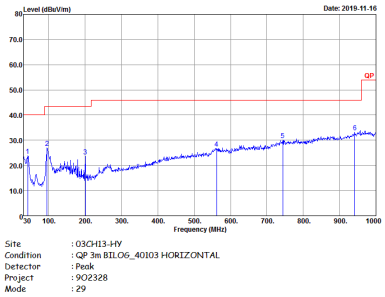
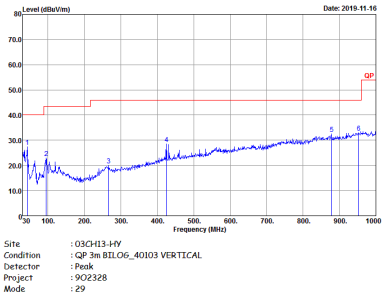
Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

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

Emission below 1GHz

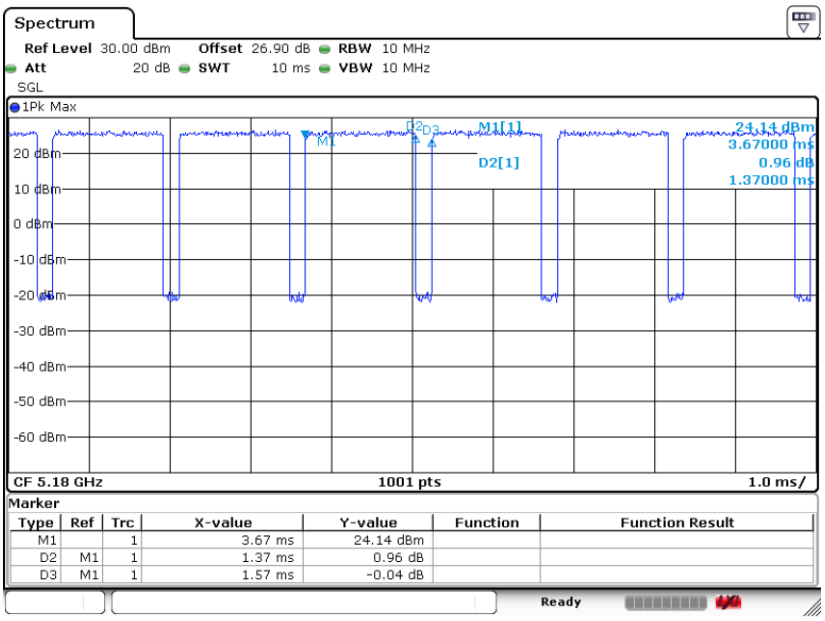
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

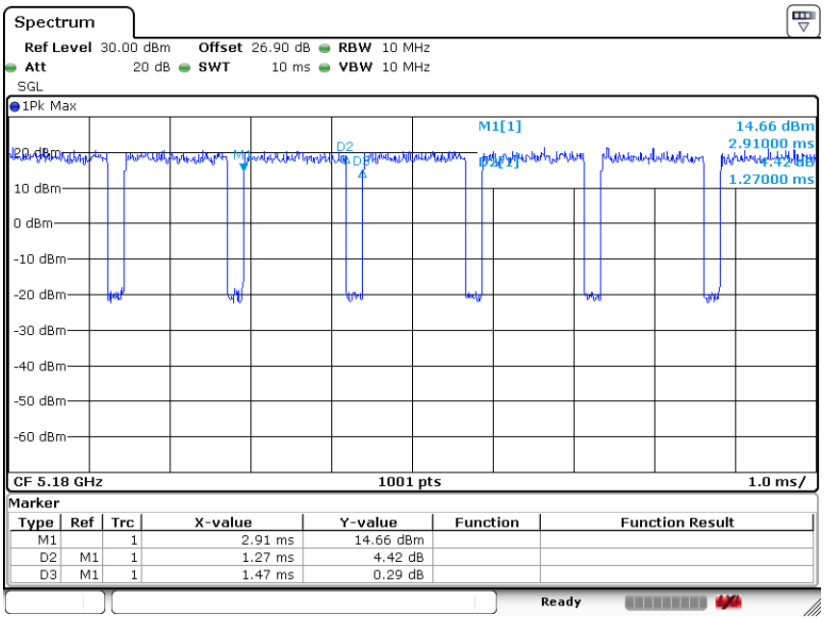
Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	87.26	1370	0.73	1kHz	0.59
802.11n HT20	86.39	1270	0.79	1kHz	0.64
802.11n HT40	88.44	1530	0.65	1kHz	0.53
802.11ac VHT20	87.44	975	1.03	3kHz	0.58
802.11ac VHT40	88.89	480	2.08	3kHz	0.51
802.11ac VHT80	86.21	250	4.00	10kHz	0.64

802.11a



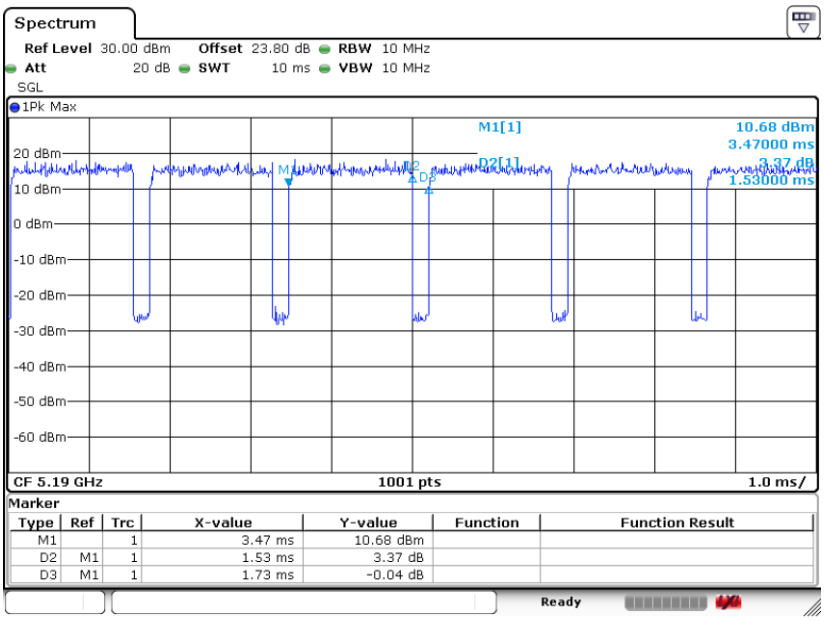
Date: 1.NOV.2019 03:07:08

802.11n HT20



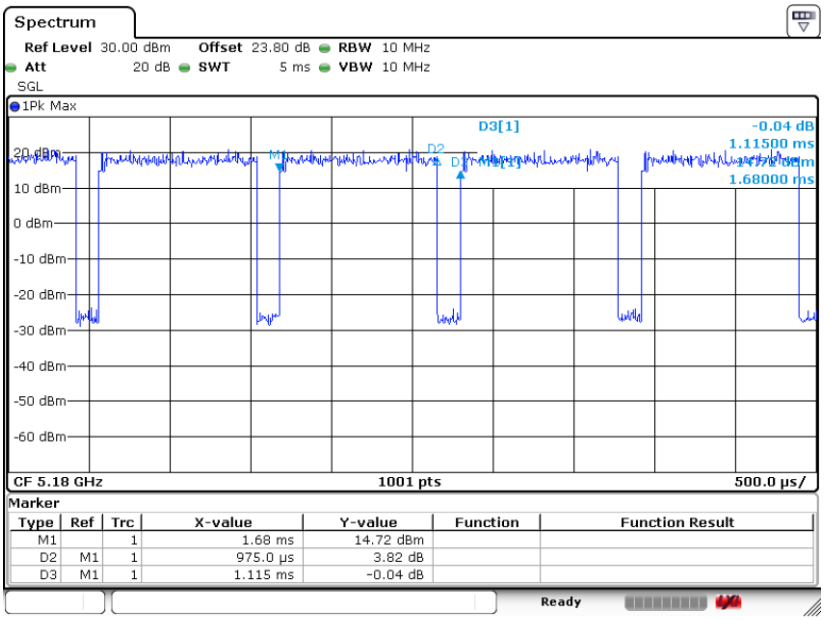
Date: 1.NOV.2019 03:12:31

802.11n HT40



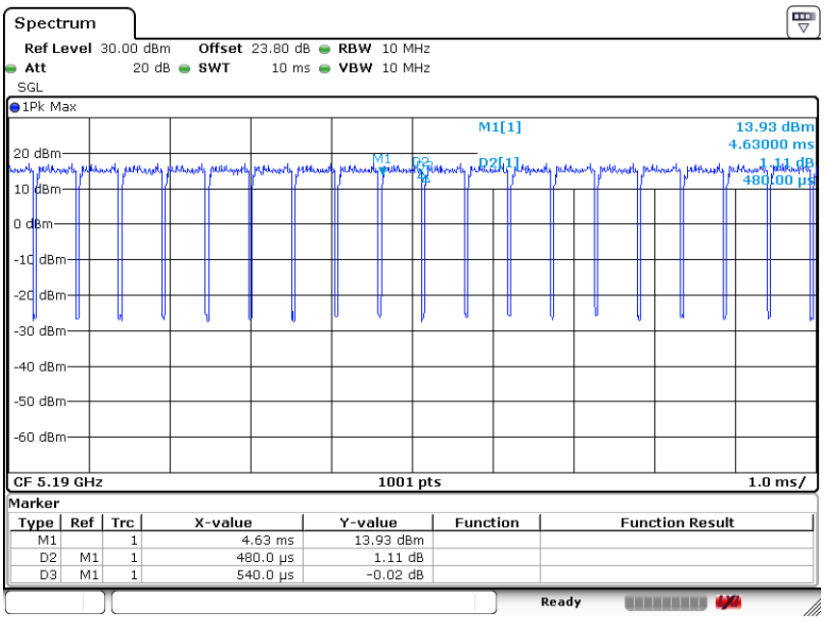
Date: 12.NOV.2019 14:05:00

802.11ac VHT20



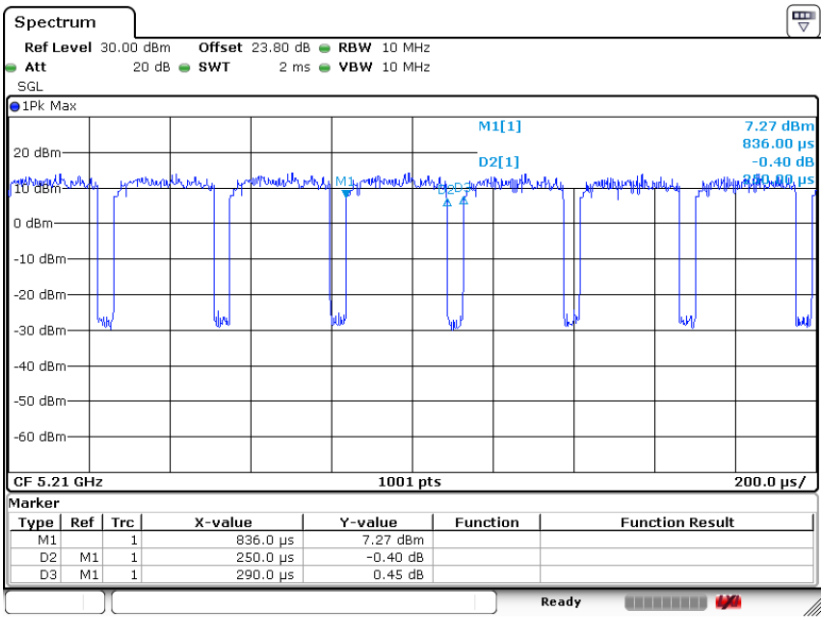
Date: 12.NOV.2019 14:16:40

802.11ac VHT40



Date: 12.NOV.2019 14:19:58

802.11ac VHT80



Date: 12.NOV.2019 14:24:15