FCC RADIO TEST REPORT

FCC ID	:	**2AS3Y-6275**
Equipment	:	**Digital Media Receiver**
Model Name	:	**R9P2A5**
Applicant	:	**Engineering Cowboys US LLC** **7 Skyline Drive, 3rd Floor, Hawthorne, New York, 10532, USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Mar. 01, 2019 and testing was started from May 31, 2019 and completed on Jul. 08, 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.

Jones Tsai

Approved by: Jones Tsai

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

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History of this test report

Report No.	Version	Description	Issued Date
FR930103-01D	01	Initial issue of report	Jul. 19, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)
3.1	15.403(i)	26dB Bandwidth	Pass
3.1	2.1049	99% Occupied Bandwidth	Reporting only
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
3.5	15.207	AC Conducted Emission	Pass
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: Elise Chang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	R9P2A5
FCC ID	2AS3Y-6275
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	**<5180 MHz ~ 5240 MHz>** 802.11a : 15.60 dBm / 0.0363 W 802.11n HT20 : 15.80 dBm / 0.0380 W 802.11n HT40 : 15.70 dBm / 0.0372 W 802.11ac VHT20 : 15.70 dBm / 0.0372 W 802.11ac VHT40 : 15.60 dBm / 0.0363 W 802.11ac VHT80 : 13.40 dBm / 0.0219 W **<5260 MHz ~ 5320 MHz>** 802.11a : 15.90 dBm / 0.0389 W 802.11n HT20 : 15.90 dBm / 0.0389 W 802.11n HT40 : 15.80 dBm / 0.0380 W 802.11ac VHT20 : 15.80 dBm / 0.0380 W 802.11ac VHT40 : 15.70 dBm / 0.0372 W 802.11ac VHT80 : 15.50 dBm / 0.0355 W **<5500 MHz ~ 5720 MHz >** 802.11a : 15.70 dBm / 0.0372 W 802.11n HT20 : 15.90 dBm / 0.0389 W 802.11n HT40 : 15.90 dBm / 0.0389 W 802.11ac VHT20 : 15.80 dBm / 0.0380 W 802.11ac VHT40 : 15.80 dBm / 0.0380 W 802.11ac VHT80 : 15.90 dBm / 0.0389 W

Standards-related Product Specification	
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** 802.11a : 17.05 MHz 802.11 n HT20 : 17.85 MHz 802.11 n HT40 : 36.60 MHz 802.11 ac VHT80 : 77.04 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 16.80 MHz 802.11 n HT20 : 17.80 MHz 802.11 n HT40 : 36.60 MHz 802.11 ac VHT80 : 77.16 MHz **<5500 MHz ~ 5720 MHz >** 802.11a : 16.95 MHz 802.11 n HT20 : 17.95 MHz 802.11 n HT40 : 36.80 MHz 802.11 ac VHT80 : 77.40 MHz
Antenna Type / Gain	**<5180 MHz ~ 5240 MHz>** PCB Inv F Antenna type with gain 4.5 dBi **<5260 MHz ~ 5320 MHz>** PCB Inv F Antenna type with gain 4.8 dBi **<5500 MHz ~ 5720 MHz >** PCB Inv F Antenna type with gain 4.8 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)

1.3 Modification of EUT

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

1.4 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	DFS02-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.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.**
	03CH12-HY

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

FCC designation No.: TW1190 and TW0007

1.5 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 two setup, without accessories and with accessories. The worst cases (with accessories) 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

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

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Music + LED + Charging from Adapter

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

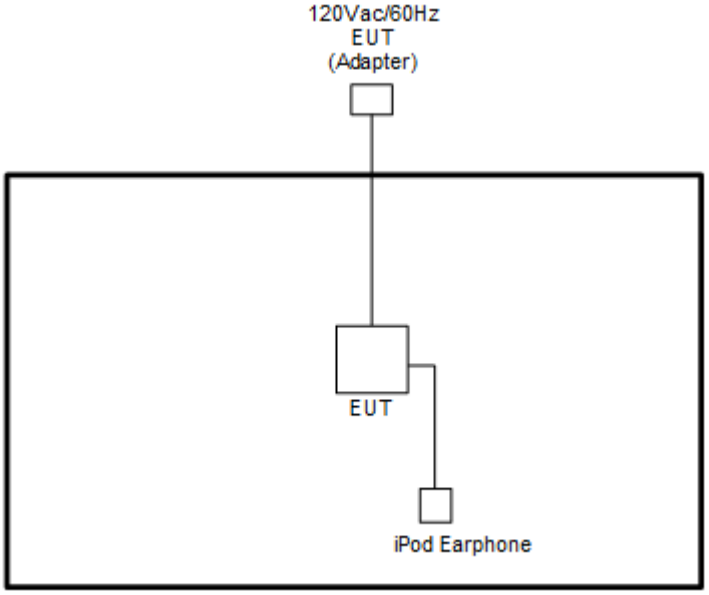
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

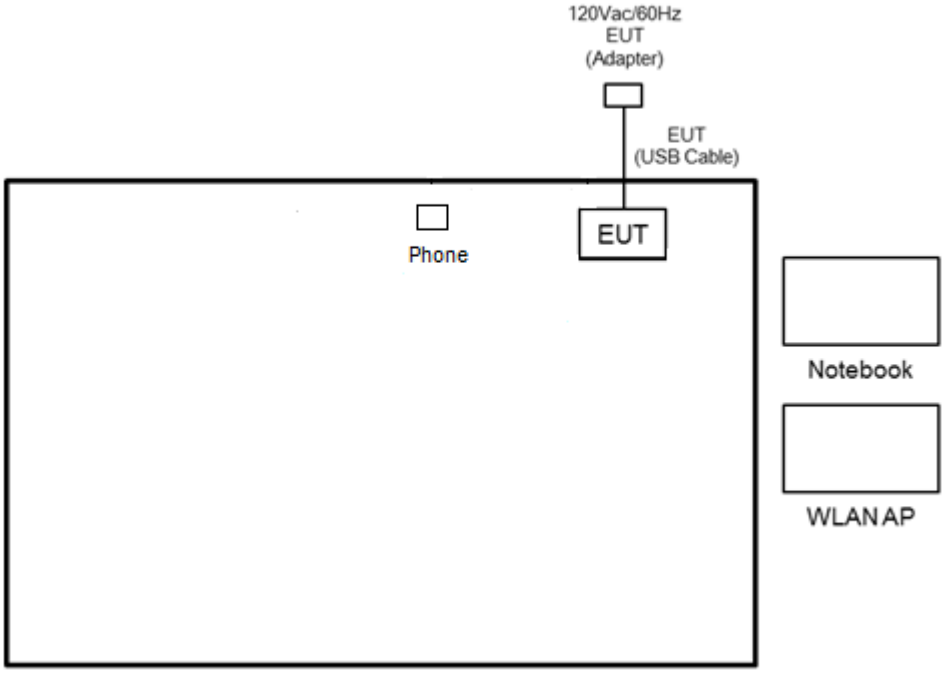
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
4.	Mobile Phone	APPLE	A1524	NM8PB31200	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance tool 1.0.0.49” 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.

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

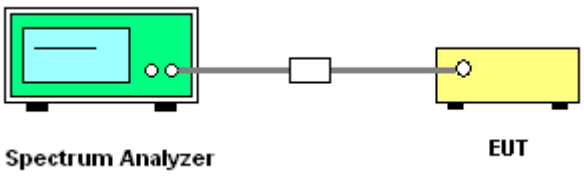
3.1.2 Measuring Instruments

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.

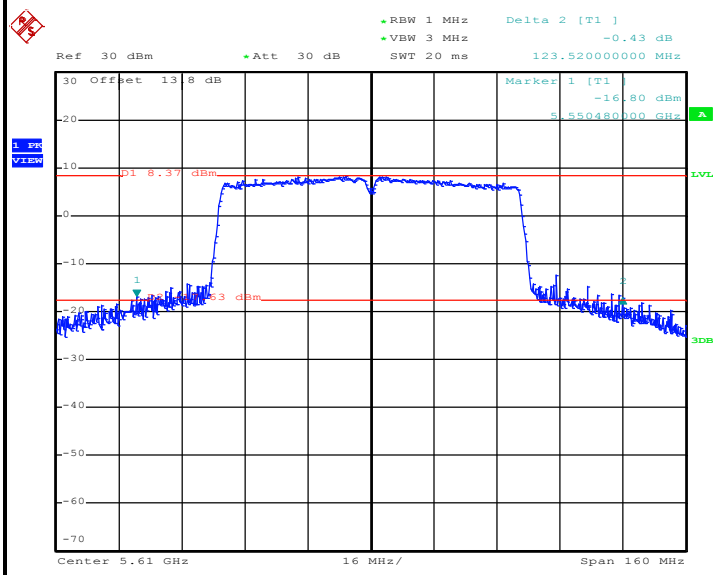
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



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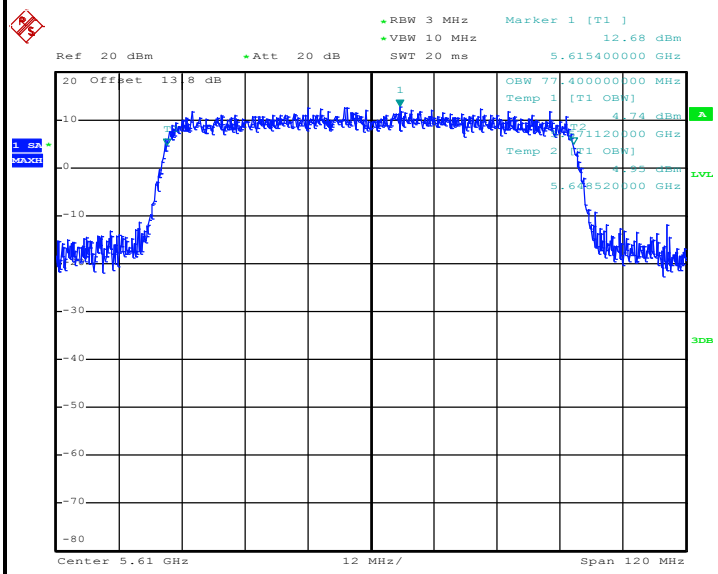
Maximum 99% Occupied Bandwidth



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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

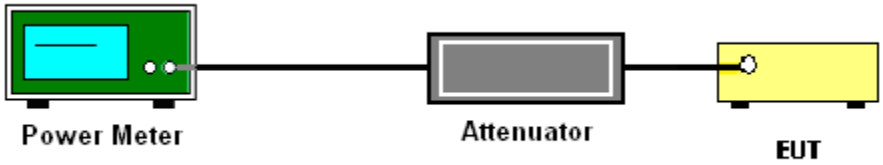
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using an 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.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<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.

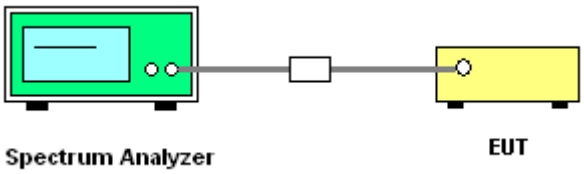
 # Method SA-3 #

(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.

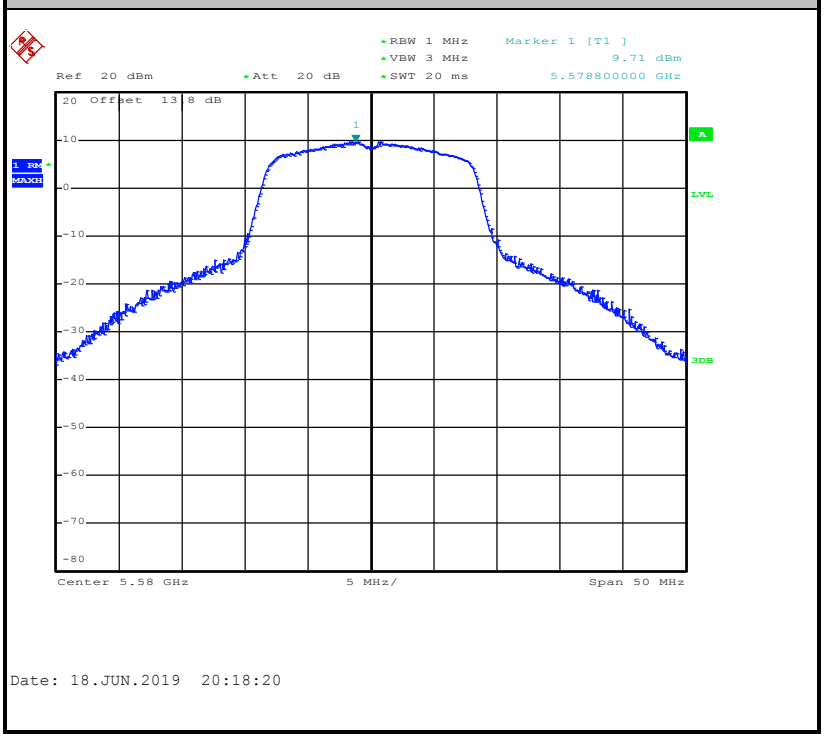
3.3.4 Test Setup



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) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.3

(ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.[4]

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

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

3.4.2 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

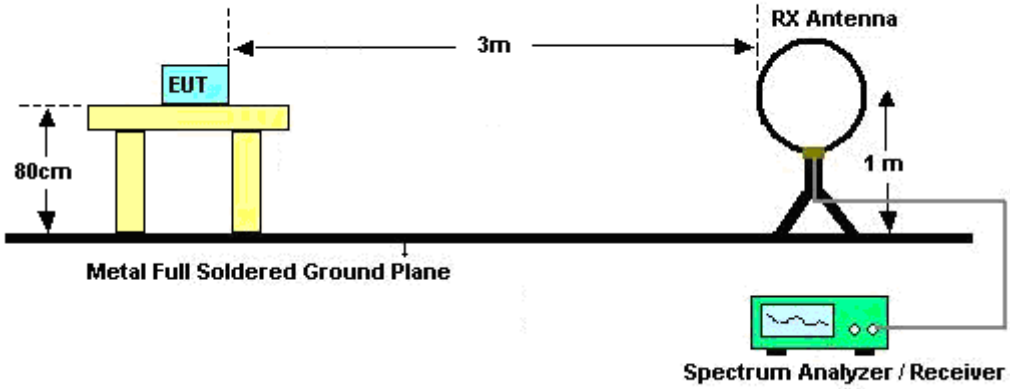
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

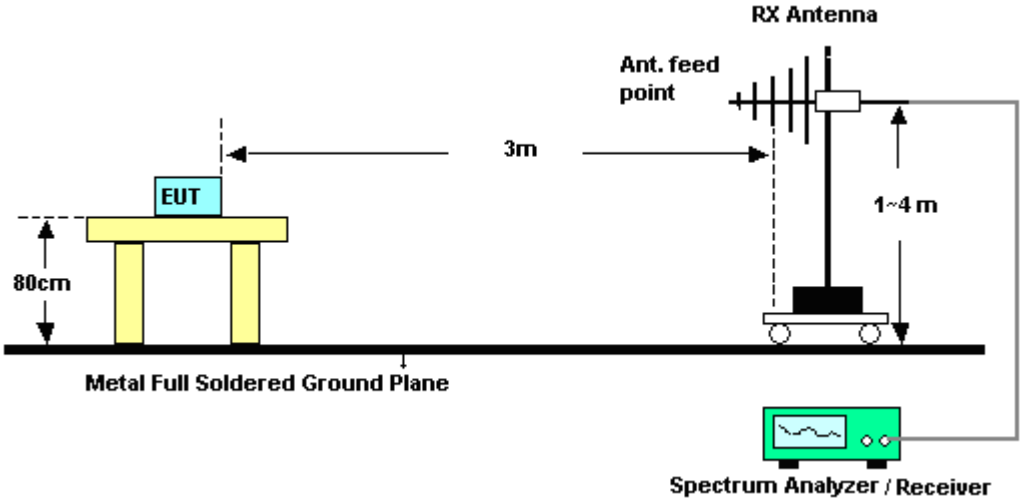
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

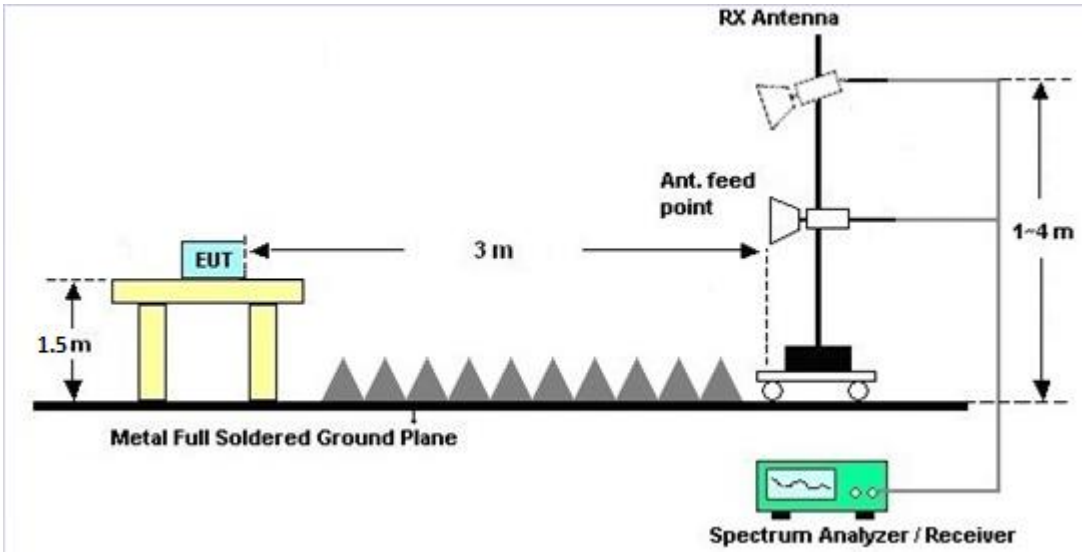
For radiated emissions below 30MHz



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.

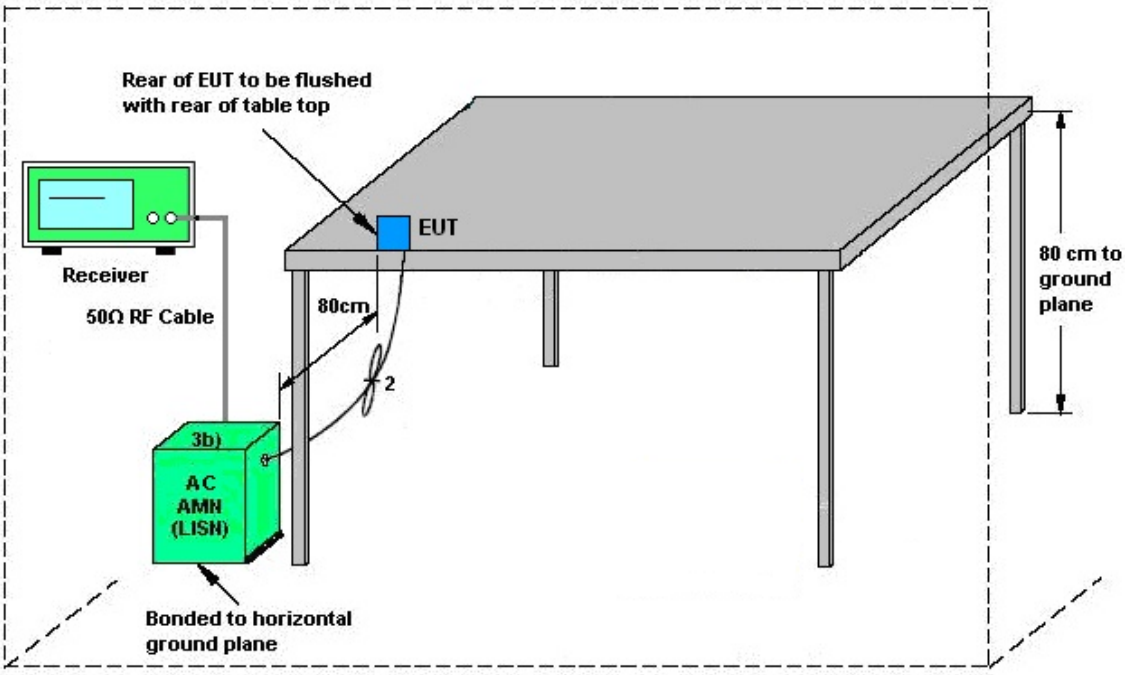
3.5.2 Measuring Instruments

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



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

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

EUT is verified this characteristic during the function check of normal sample associated with an access point:

A. Information start: make EUT supply information to the access point.

B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

5180MHz

Note : The control / signalling information during the period B is precluded.

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
Spectrum Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Aug. 16, 2018	Jun. 15, 2019	Aug. 15, 2019	DFS (DFS02-HY)
Power Sensor	DARE	RadiPower	15I00041SNO10	10MHz~6GHz	Dec. 19, 2018	Jun. 10, 2019~ Jul. 08, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	Jun. 10, 2019~ Jul. 08, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz~40GHz	Nov. 21, 2018	Jun. 10, 2019~ Jul. 08, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Jun. 10, 2019~ Jul. 08, 2019	Mar. 26, 2020	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 07, 2019	May 31, 2019~ Jun. 12, 2019	Jan. 06, 2020	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	37059&01	30MHz~1GHz	Oct. 13, 2018	May 31, 2019~ Jun. 12, 2019	Oct. 12, 2019	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Nov. 09, 2018	May 31, 2019~ Jun. 12, 2019	Nov. 08, 2019	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917058 4	18GHz ~ 40GHz	Dec. 05, 2018	May 31, 2019~ Jun. 12, 2019	Dec. 04, 2019	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2019	May 31, 2019~ Jun. 12, 2019	Mar. 24, 2020	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 27, 2019	May 31, 2019~ Jun. 12, 2019	May 26, 2020	Radiation (03CH12-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 20, 2019	May 31, 2019~ Jun. 12, 2019	May 19, 2020	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	May 31, 2019~ Jun. 12, 2019	Dec. 05, 2019	Radiation (03CH12-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 26, 2018	May 31, 2019~ Jun. 12, 2019	Dec. 25, 2019	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 19, 2019	May 31, 2019~ Jun. 12, 2019	Mar. 18, 2020	Radiation (03CH12-HY)
Filter	Wainwright	WLK4-1000-1530-6000-40SS	SN11	1 GHz Lowpass	Sep. 16, 2018	May 31, 2019~ Jun. 12, 2019	Sep. 15, 2019	Radiation (03CH12-HY)
Filter	Woken	WHKX8-5272.5-6750-18000-40ST	SN2	6.75G Highpass	Sep. 17, 2018	May 31, 2019~ Jun. 12, 2019	Sep.16, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30M-18G	Mar. 13, 2019	May 31, 2019~ Jun. 12, 2019	Mar. 12, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	May 31, 2019~ Jun. 12, 2019	Oct. 15, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	May 31, 2019~ Jun. 12, 2019	Oct. 15, 2019	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	May 31, 2019~ Jun. 12, 2019	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	May 31, 2019~ Jun. 12, 2019	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	May 31, 2019~ Jun. 12, 2019	N/A	Radiation (03CH12-HY)

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	Jun. 25, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Jun. 25, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jun. 25, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jun. 25, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 25, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jun. 25, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jun. 25, 2019	Dec. 30, 2019	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.20

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.10

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.20

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.70

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Leo LI	Temperature:	21~25	°C
Test Date:	2019/6/10~2019/7/8	Relative Humidity:	51~54	%
TX Tool	Compliance Tool	TX Tool Version	1.0.0.57	

Report Number : FR930103-01D

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	16.80	-	35.20	-	-		22.25	-		
11a	6Mbps	1	44	5220	16.90	-	34.90	-	-		22.28	-		
11a	6Mbps	1	48	5240	17.05	-	36.60	-	-		22.32	-		
HT20	MCS0	1	36	5180	17.80	-	32.40	-	-		22.50	-		
HT20	MCS0	1	44	5220	17.80	-	33.84	-	-		22.50	-		
HT20	MCS0	1	48	5240	17.85	-	34.32	-	-		22.52	-		
HT40	MCS0	1	38	5190	36.60	-	62.10	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.60	-	68.40	-	-		23.01	-		
VHT80	MCS0	1	42	5210	77.04	-	81.92	-	-		23.01	-		

TEST RESULTS DATA
Average Power Table

FCC Band I													
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	15.50	-		24.00	-	4.50	-		Pass
11a	6Mbps	1	44	5220	15.50	-		24.00	-	4.50	-		Pass
11a	6Mbps	1	48	5240	15.60	-		24.00	-	4.50	-		Pass
HT20	MCS0	1	36	5180	15.70	-		24.00	-	4.50	-		Pass
HT20	MCS0	1	44	5220	15.80	-		24.00	-	4.50	-		Pass
HT20	MCS0	1	48	5240	15.70	-		24.00	-	4.50	-		Pass
HT40	MCS0	1	38	5190	15.70	-		24.00	-	4.50	-		Pass
HT40	MCS0	1	46	5230	15.60	-		24.00	-	4.50	-		Pass
VHT20	MCS0	1	36	5180	15.60	-		24.00	-	4.50	-		Pass
VHT20	MCS0	1	44	5220	15.70	-		24.00	-	4.50	-		Pass
VHT20	MCS0	1	48	5240	15.60	-		24.00	-	4.50	-		Pass
VHT40	MCS0	1	38	5190	15.60	-		24.00	-	4.50	-		Pass
VHT40	MCS0	1	46	5230	15.50	-		24.00	-	4.50	-		Pass
VHT80	MCS0	1	42	5210	13.40	-		24.00	-	4.50	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	-	-	7.99	-		11.00	-	4.50	-		Pass
11a	6Mbps	1	44	5220	-	-	9.29	-		11.00	-	4.50	-		Pass
11a	6Mbps	1	48	5240	-	-	9.50	-		11.00	-	4.50	-		Pass
HT20	MCS0	1	36	5180	-	-	7.37	-		11.00	-	4.50	-		Pass
HT20	MCS0	1	44	5220	-	-	8.32	-		11.00	-	4.50	-		Pass
HT20	MCS0	1	48	5240	-	-	8.84	-		11.00	-	4.50	-		Pass
HT40	MCS0	1	38	5190	-	-	4.58	-		11.00	-	4.50	-		Pass
HT40	MCS0	1	46	5230	-	-	5.29	-		11.00	-	4.50	-		Pass
VHT80	MCS0	1	42	5210	-	-	-2.73	-		11.00	-	4.50	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					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	16.80	-	31.56	-	23.25	-	29.25	-	23.98	-	
11a	6Mbps	1	60	5300	16.70	-	28.92	-	23.23	-	29.23	-	23.98	-	
11a	6Mbps	1	64	5320	16.80	-	28.92	-	23.25	-	29.25	-	23.98	-	
HT20	MCS0	1	52	5260	17.75	-	28.32	-	23.49	-	29.49	-	23.98	-	
HT20	MCS0	1	60	5300	17.75	-	32.88	-	23.49	-	29.49	-	23.98	-	
HT20	MCS0	1	64	5320	17.80	-	33.12	-	23.50	-	29.50	-	23.98	-	
HT40	MCS0	1	54	5270	36.60	-	49.50	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.40	-	47.52	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	77.16	-	84.48	-	23.98	-	30.00	-	23.98	-	

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TEST RESULTS DATA
Average Power Table

FCC Band II													
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	15.90	-		23.98	-	4.80	-	26.99	Pass
11a	6Mbps	1	60	5300	15.70	-		23.98	-	4.80	-	26.99	Pass
11a	6Mbps	1	64	5320	15.90	-		23.98	-	4.80	-	26.99	Pass
HT20	MCS0	1	52	5260	15.90	-		23.98	-	4.80	-	26.99	Pass
HT20	MCS0	1	60	5300	15.90	-		23.98	-	4.80	-	26.99	Pass
HT20	MCS0	1	64	5320	15.80	-		23.98	-	4.80	-	26.99	Pass
HT40	MCS0	1	54	5270	15.80	-		23.98	-	4.80	-	26.99	Pass
HT40	MCS0	1	62	5310	15.80	-		23.98	-	4.80	-	26.99	Pass
VHT20	MCS0	1	52	5260	15.80	-		23.98	-	4.80	-	26.99	Pass
VHT20	MCS0	1	60	5300	15.80	-		23.98	-	4.80	-	26.99	Pass
VHT20	MCS0	1	64	5320	15.70	-		23.98	-	4.80	-	26.99	Pass
VHT40	MCS0	1	54	5270	15.70	-		23.98	-	4.80	-	26.99	Pass
VHT40	MCS0	1	62	5310	15.70	-		23.98	-	4.80	-	26.99	Pass
VHT80	MCS0	1	58	5290	15.50	-		23.98	-	4.80	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	-	-	8.62	-		11.00	-	4.80	-		Pass
11a	6Mbps	1	60	5300	-	-	8.00	-		11.00	-	4.80	-		Pass
11a	6Mbps	1	64	5320	-	-	8.36	-		11.00	-	4.80	-		Pass
HT20	MCS0	1	52	5260	-	-	7.84	-		11.00	-	4.80	-		Pass
HT20	MCS0	1	60	5300	-	-	6.93	-		11.00	-	4.80	-		Pass
HT20	MCS0	1	64	5320	-	-	7.49	-		11.00	-	4.80	-		Pass
HT40	MCS0	1	54	5270	-	-	3.49	-		11.00	-	4.80	-		Pass
HT40	MCS0	1	62	5310	-	-	3.52	-		11.00	-	4.80	-		Pass
VHT80	MCS0	1	58	5290	-	-	-0.50	-		11.00	-	4.80	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
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	16.90	-	35.16	-	23.28	-	29.28	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.95	-	36.60	-	23.29	-	29.29	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.80	-	29.88	-	23.25	-	29.25	-	23.98	-	----	----
11a	6Mbps	1	144	5720	13.50	-	21.20	-	22.30	-	28.30	-	23.98	-	3.1	-
HT20	MCS0	1	100	5500	17.85	-	28.44	-	23.52	-	29.52	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.95	-	32.64	-	23.54	-	29.54	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.70	-	22.20	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	144	5720	14.05	-	21.68	-	22.48	-	28.48	-	23.98	-	3.7	-
HT40	MCS0	1	102	5510	36.40	-	41.58	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.80	-	56.70	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.70	-	65.34	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	142	5710	33.50	-	51.36	-	23.98	-	30.00	-	23.98	-	3.18	-
VHT80	MCS0	1	106	5530	77.16	-	81.92	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	77.40	-	123.52	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	138	5690	74.00	-	92.12	-	23.98	-	30.00	-	23.98	-	3.08	-

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TEST RESULTS DATA
Average Power Table

FCC Band III													
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	15.60	-		23.98	-	4.80	-	26.99	Pass
11a	6Mbps	1	116	5580	15.60	-		23.98	-	4.80	-	26.99	Pass
11a	6Mbps	1	140	5700	15.70	-		23.98	-	4.80	-	26.99	Pass
11a	6Mbps	1	144	5720	15.70	-		23.98	-	4.80	-	26.99	Pass
HT20	MCS0	1	100	5500	15.70	-		23.98	-	4.80	-	26.99	Pass
HT20	MCS0	1	116	5580	15.90	-		23.98	-	4.80	-	26.99	Pass
HT20	MCS0	1	140	5700	15.90	-		23.98	-	4.80	-	26.99	Pass
HT20	MCS0	1	144	5720	15.90	-		23.98	-	4.80	-	26.99	Pass
HT40	MCS0	1	102	5510	14.80	-		23.98	-	4.80	-	26.99	Pass
HT40	MCS0	1	110	5550	15.60	-		23.98	-	4.80	-	26.99	Pass
HT40	MCS0	1	134	5670	15.80	-		23.98	-	4.80	-	26.99	Pass
HT40	MCS0	1	142	5710	15.90	-		23.98	-	4.80	-	26.99	Pass
VHT20	MCS0	1	100	5500	15.60	-		23.98	-	4.80	-	26.99	Pass
VHT20	MCS0	1	116	5580	15.80	-		23.98	-	4.80	-	26.99	Pass
VHT20	MCS0	1	140	5700	15.80	-		23.98	-	4.80	-	26.99	Pass
VHT20	MCS0	1	144	5720	15.80	-		23.98	-	4.80	-	26.99	Pass
VHT40	MCS0	1	102	5510	14.70	-		23.98	-	4.80	-	26.99	Pass
VHT40	MCS0	1	110	5550	15.50	-		23.98	-	4.80	-	26.99	Pass
VHT40	MCS0	1	134	5670	15.70	-		23.98	-	4.80	-	26.99	Pass
VHT40	MCS0	1	142	5710	15.80	-		23.98	-	4.80	-	26.99	Pass
VHT80	MCS0	1	106	5530	13.40	-		23.98	-	4.80	-	26.99	Pass
VHT80	MCS0	1	122	5610	15.70	-		23.98	-	4.80	-	26.99	Pass
VHT80	MCS0	1	138	5690	15.90	-		23.98	-	4.80	-	26.99	Pass

Report Number : FR930103-01D

TEST RESULTS DATA
Power Spectral Density

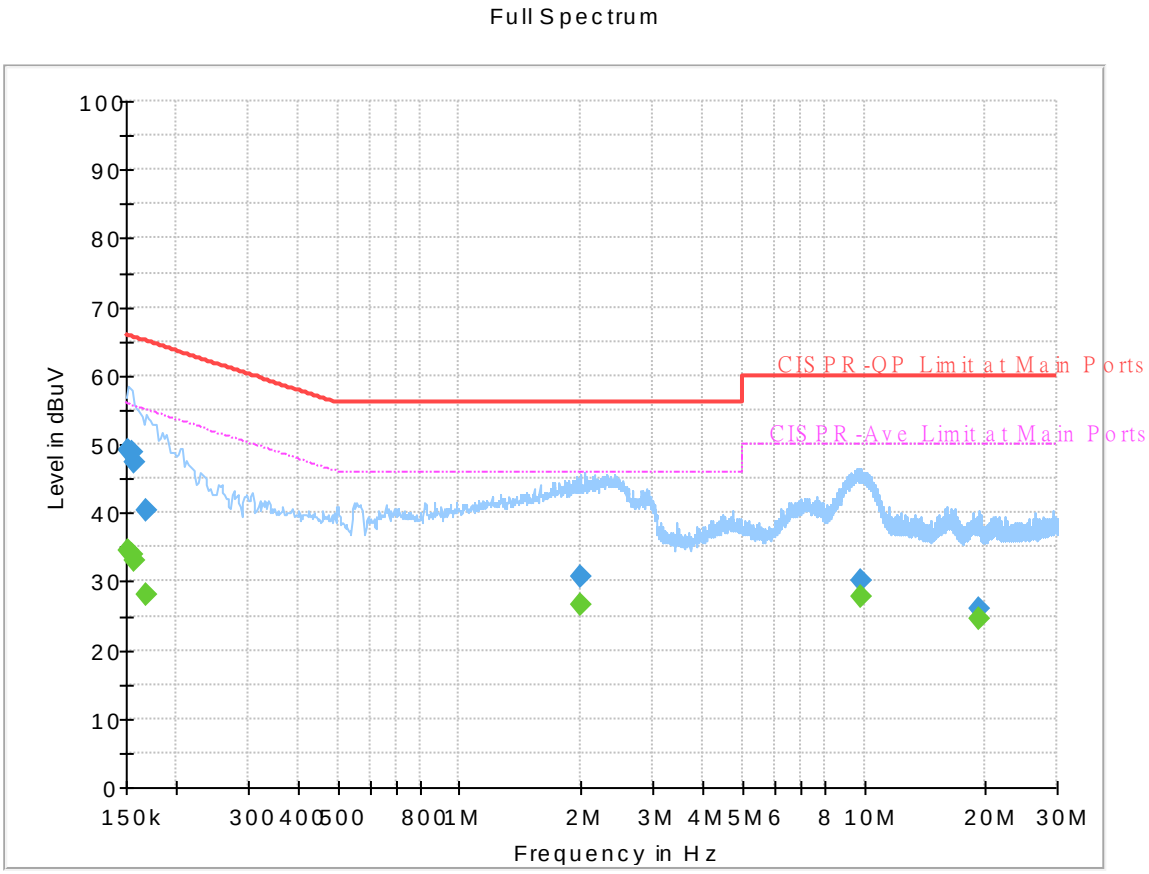
Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	-	-	8.59	-		11.00	-	4.80	-		Pass
11a	6Mbps	1	116	5580	-	-	9.71	-		11.00	-	4.80	-		Pass
11a	6Mbps	1	140	5700	-	-	8.55	-		11.00	-	4.80	-		Pass
11a	6Mbps	1	144	5720	-	-	9.44	-		11.00	-	4.80	-		Pass
HT20	MCS0	1	100	5500	-	-	7.75	-		11.00	-	4.80	-		Pass
HT20	MCS0	1	116	5580	-	-	8.90	-		11.00	-	4.80	-		Pass
HT20	MCS0	1	140	5700	-	-	6.16	-		11.00	-	4.80	-		Pass
HT20	MCS0	1	144	5720	-	-	8.41	-		11.00	-	4.80	-		Pass
HT40	MCS0	1	102	5510	-	-	1.77	-		11.00	-	4.80	-		Pass
HT40	MCS0	1	110	5550	-	-	4.56	-		11.00	-	4.80	-		Pass
HT40	MCS0	1	134	5670	-	-	5.10	-		11.00	-	4.80	-		Pass
HT40	MCS0	1	142	5710	-	-	4.48	-		11.00	-	4.80	-		Pass
VHT80	MCS0	1	106	5530	-	-	-3.44	-		11.00	-	4.80	-		Pass
VHT80	MCS0	1	122	5610	-	-	0.79	-		11.00	-	4.80	-		Pass
VHT80	MCS0	1	138	5690	-	-	1.02	-		11.00	-	4.80	-		Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	**Temperature :**	24~26℃
		Relative Humidity :	52~55%

EUT Information

Report NO :	930103-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



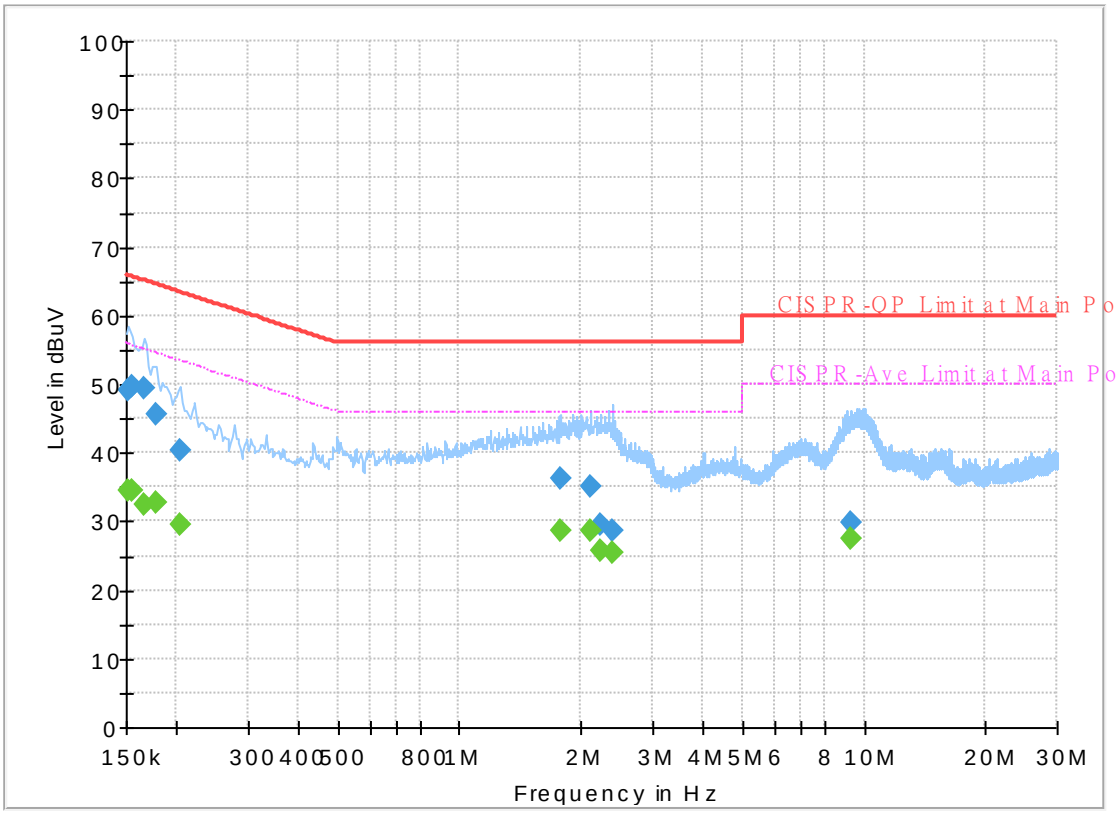
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.48	55.88	21.40	L1	OFF	19.4
0.152250	49.07	---	65.88	16.81	L1	OFF	19.4
0.154500	---	33.89	55.75	21.86	L1	OFF	19.4
0.154500	48.69	---	65.75	17.06	L1	OFF	19.4
0.156750	---	32.91	55.63	22.72	L1	OFF	19.4
0.156750	47.41	---	65.63	18.22	L1	OFF	19.4
0.168000	---	27.96	55.06	27.10	L1	OFF	19.4
0.168000	40.29	---	65.06	24.77	L1	OFF	19.4
1.990500	---	26.64	46.00	19.36	L1	OFF	19.5
1.990500	30.60	---	56.00	25.40	L1	OFF	19.5
9.870000	---	27.81	50.00	22.19	L1	OFF	19.8
9.870000	30.21	---	60.00	29.79	L1	OFF	19.8
19.194000	---	24.51	50.00	25.49	L1	OFF	20.1
19.194000	25.90	---	60.00	34.10	L1	OFF	20.1

EUT Information

Report NO :	930103-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.36	55.88	21.52	N	OFF	19.5
0.152250	49.22	---	65.88	16.66	N	OFF	19.5
0.154500	---	34.60	55.75	21.15	N	OFF	19.5
0.154500	49.77	---	65.75	15.98	N	OFF	19.5
0.165750	---	32.43	55.17	22.74	N	OFF	19.5
0.165750	49.53	---	65.17	15.64	N	OFF	19.5
0.177000	---	32.70	54.63	21.93	N	OFF	19.5
0.177000	45.69	---	64.63	18.94	N	OFF	19.5
0.204000	---	29.65	53.45	23.80	N	OFF	19.5
0.204000	40.32	---	63.45	23.13	N	OFF	19.5
1.770000	---	28.64	46.00	17.36	N	OFF	19.5
1.770000	36.16	---	56.00	19.84	N	OFF	19.5
2.114250	---	28.55	46.00	17.45	N	OFF	19.4
2.114250	35.05	---	56.00	20.95	N	OFF	19.4
2.224500	---	25.72	46.00	20.28	N	OFF	19.4
2.224500	29.62	---	56.00	26.38	N	OFF	19.4
2.386500	---	25.31	46.00	20.69	N	OFF	19.5
2.386500	28.62	---	56.00	27.38	N	OFF	19.5
9.312000	---	27.41	50.00	22.59	N	OFF	19.8
9.312000	29.85	---	60.00	30.15	N	OFF	19.8

Appendix C. Radiated Spurious Emission

Test Engineer :	Jack Cheng, Lance Chiang, Chuan Chu	**Temperature :**	21~24°C
		Relative Humidity :	56~68%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5150	63.12	-10.88	74	54.86	31.9	9.83	33.47	202	18	P	H
		5150	53.27	-0.73	54	45.01	31.9	9.83	33.47	202	18	A	H
	*	5180	113.4	-	-	105.21	31.78	9.87	33.46	202	18	P	H
	*	5180	106.01	-	-	97.82	31.78	9.87	33.46	202	18	A	H
		5147.42	61.67	-12.33	74	53.41	31.91	9.82	33.47	118	175	P	V
		5150	51.49	-2.51	54	43.23	31.9	9.83	33.47	118	175	A	V
	*	5180	111.62	-	-	103.43	31.78	9.87	33.46	118	175	P	V
	*	5180	104.21	-	-	96.02	31.78	9.87	33.46	118	175	A	V
802.11a CH 44 5220MHz		5143.26	53.84	-20.16	74	45.58	31.91	9.82	33.47	216	11	P	H
		5150	44.42	-9.58	54	36.16	31.9	9.83	33.47	216	11	A	H
	*	5220	114.64	-	-	106.6	31.58	9.92	33.46	216	11	P	H
	*	5220	106.7	-	-	98.66	31.58	9.92	33.46	216	11	A	H
		5351.36	50.83	-23.17	74	42.87	31.31	10.09	33.44	216	11	P	H
		5353.32	42.17	-11.83	54	34.21	31.31	10.09	33.44	216	11	A	H
		5122.46	52.11	-21.89	74	43.83	31.96	9.79	33.47	103	177	P	V
		5149.76	43.7	-10.3	54	35.44	31.9	9.83	33.47	103	177	A	V
	*	5220	113.76	-	-	105.72	31.58	9.92	33.46	103	177	P	V
	*	5220	105.64	-	-	97.6	31.58	9.92	33.46	103	177	A	V
		5374.04	50.52	-23.48	74	42.44	31.4	10.12	33.44	103	177	P	V
		5351.92	42.1	-11.9	54	34.14	31.31	10.09	33.44	103	177	A	V

802.11a CH 48 5240MHz		5132.08	53.98	-20.02	74	45.71	31.94	9.8	33.47	204	10	P	H
		5149.24	43.49	-10.51	54	35.23	31.9	9.83	33.47	204	10	A	H
	*	5240	114.29	-	-	106.34	31.46	9.95	33.46	204	10	P	H
	*	5240	106.25	-	-	98.3	31.46	9.95	33.46	204	10	A	H
		5430.88	50.45	-23.55	74	42.08	31.62	10.19	33.44	204	10	P	H
		5352.2	42.44	-11.56	54	34.48	31.31	10.09	33.44	204	10	A	H
		5121.94	53.43	-20.57	74	45.15	31.96	9.79	33.47	116	177	P	V
		5149.24	43.31	-10.69	54	35.05	31.9	9.83	33.47	116	177	A	V
	*	5240	113.98	-	-	106.03	31.46	9.95	33.46	116	177	P	V
	*	5240	105.71	-	-	97.76	31.46	9.95	33.46	116	177	A	V
		5377.68	52.27	-21.73	74	44.18	31.41	10.12	33.44	116	177	P	V
		5352.2	42.44	-11.56	54	34.48	31.31	10.09	33.44	116	177	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.65	-20.55	68.2	49.56	39.58	15.47	56.96	100	0	P	H
		15540	50.75	-23.25	74	49.84	38.22	19.34	56.65	113	163	P	H
		15540	40.7	-13.3	54	39.79	38.22	19.34	56.65	113	163	A	H
		10360	48.28	-19.92	68.2	50.19	39.58	15.47	56.96	100	0	P	V
		15540	47.98	-26.02	74	47.07	38.22	19.34	56.65	100	0	P	V
802.11a CH 44 5220MHz		10440	47.97	-20.23	68.2	49.69	39.7	15.5	56.92	100	0	P	H
		15660	53.88	-20.12	74	53.17	37.8	19.42	56.51	100	162	P	H
		15660	43.36	-10.64	54	42.65	37.8	19.42	56.51	100	162	A	H
		10440	48.19	-20.01	68.2	49.91	39.7	15.5	56.92	100	0	P	V
		15660	52.54	-21.46	74	51.83	37.8	19.42	56.51	100	224	P	V
		15660	42.33	-11.67	54	41.62	37.8	19.42	56.51	100	224	A	V
802.11a CH 48 5240MHz		10480	47.99	-20.21	68.2	49.68	39.7	15.52	56.91	100	0	P	H
		15720	54.65	-19.35	74	53.88	37.76	19.45	56.44	108	352	P	H
		15720	42.79	-11.21	54	42.02	37.76	19.45	56.44	108	352	A	H
		10480	48.62	-19.58	68.2	50.31	39.7	15.52	56.91	100	0	P	V
		15720	54.29	-19.71	74	53.52	37.76	19.45	56.44	100	110	P	V
		15720	43.8	-10.2	54	43.03	37.76	19.45	56.44	100	110	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 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5148.72	63.09	-10.91	74	54.83	31.9	9.83	33.47	218	16	P	H
		5150	52.16	-1.84	54	43.9	31.9	9.83	33.47	218	16	A	H
	*	5180	112.61	-	-	104.42	31.78	9.87	33.46	218	16	P	H
	*	5180	104.81	-	-	96.62	31.78	9.87	33.46	218	16	A	H
		5149.5	60.82	-13.18	74	52.56	31.9	9.83	33.47	156	178	P	V
		5150	50.27	-3.73	54	42.01	31.9	9.83	33.47	156	178	A	V
	*	5180	110.91	-	-	102.72	31.78	9.87	33.46	156	178	P	V
	*	5180	103.43	-	-	95.24	31.78	9.87	33.46	156	178	A	V
802.11n HT20 CH 44 5220MHz		5137.8	54.27	-19.73	74	46.01	31.92	9.81	33.47	216	11	P	H
		5150	44.31	-9.69	54	36.05	31.9	9.83	33.47	216	11	A	H
	*	5220	113.77	-	-	105.73	31.58	9.92	33.46	216	11	P	H
	*	5220	105.75	-	-	97.71	31.58	9.92	33.46	216	11	A	H
		5362.56	51.69	-22.31	74	43.68	31.35	10.1	33.44	216	11	P	H
		5351.08	41.96	-12.04	54	34.01	31.3	10.09	33.44	216	11	A	H
		5140.92	54.54	-19.46	74	46.28	31.92	9.81	33.47	128	176	P	V
		5149.76	44.03	-9.97	54	35.77	31.9	9.83	33.47	128	176	A	V
	*	5220	113.53	-	-	105.49	31.58	9.92	33.46	128	176	P	V
	*	5220	105.61	-	-	97.57	31.58	9.92	33.46	128	176	A	V
		5426.68	52.34	-21.66	74	43.98	31.61	10.19	33.44	128	176	P	V
		5350	42.14	-11.86	54	34.19	31.3	10.09	33.44	128	176	A	V

802.11n HT20 CH 48 5240MHz		5126.36	54.37	-19.63	74	46.1	31.95	9.79	33.47	229	11	P	H
		5128.18	44	-10	54	35.73	31.94	9.8	33.47	229	11	A	H
	*	5240	113.3	-	-	105.35	31.46	9.95	33.46	229	11	P	H
	*	5240	105.39	-	-	97.44	31.46	9.95	33.46	229	11	A	H
		5391.4	51.6	-22.4	74	43.43	31.47	10.14	33.44	229	11	P	H
		5351.64	42.31	-11.69	54	34.35	31.31	10.09	33.44	229	11	A	H
		5139.1	54.49	-19.51	74	46.23	31.92	9.81	33.47	115	177	P	V
		5150	43.5	-10.5	54	35.24	31.9	9.83	33.47	115	177	A	V
	*	5240	112.67	-	-	104.72	31.46	9.95	33.46	115	177	P	V
	*	5240	105.03	-	-	97.08	31.46	9.95	33.46	115	177	A	V
		5432.56	50.98	-23.02	74	42.59	31.63	10.2	33.44	115	177	P	V
		5351.64	42.49	-11.51	54	34.53	31.31	10.09	33.44	115	177	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10360	47.49	-20.71	68.2	49.4	39.58	15.47	56.96	100	0	P	H
HT20		15540	49.29	-24.71	74	48.38	38.22	19.34	56.65	100	0	P	H
CH 36		10360	47.55	-20.65	68.2	49.46	39.58	15.47	56.96	100	0	P	V
5180MHz		15540	49.61	-24.39	74	48.7	38.22	19.34	56.65	100	0	P	V
802.11n		10440	47.4	-20.8	68.2	49.12	39.7	15.5	56.92	100	0	P	H
HT20		15660	49.64	-24.36	74	48.93	37.8	19.42	56.51	100	0	P	H
CH 44		10440	47.37	-20.83	68.2	49.09	39.7	15.5	56.92	100	0	P	V
5220MHz		15660	49.93	-24.07	74	49.22	37.8	19.42	56.51	100	0	P	V
802.11n		10480	48.05	-20.15	68.2	49.74	39.7	15.52	56.91	100	0	P	H
HT20		15720	49.97	-24.03	74	49.2	37.76	19.45	56.44	100	0	P	H
CH 48		10480	47.64	-20.56	68.2	49.33	39.7	15.52	56.91	100	0	P	V
5240MHz		15720	49.96	-24.04	74	49.19	37.76	19.45	56.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.76	62.76	-11.24	74	54.5	31.9	9.83	33.47	209	15	P	H
		5150	52.18	-1.82	54	43.92	31.9	9.83	33.47	209	15	A	H
	*	5190	106.08	-	-	97.91	31.74	9.89	33.46	209	15	P	H
	*	5190	98.38	-	-	90.21	31.74	9.89	33.46	209	15	A	H
		5352.48	50.77	-23.23	74	42.81	31.31	10.09	33.44	209	15	P	H
		5458.88	41.62	-12.38	54	33.08	31.74	10.23	33.43	209	15	A	H
		5149.5	59.41	-14.59	74	51.15	31.9	9.83	33.47	133	176	P	V
		5150	50.5	-3.5	54	42.24	31.9	9.83	33.47	133	176	A	V
	*	5190	104.7	-	-	96.53	31.74	9.89	33.46	133	176	P	V
	*	5190	96.96	-	-	88.79	31.74	9.89	33.46	133	176	A	V
		5376.56	51.01	-22.99	74	42.92	31.41	10.12	33.44	133	176	P	V
		5456.64	41.64	-12.36	54	33.11	31.73	10.23	33.43	133	176	A	V
802.11n HT40 CH 46 5230MHz		5148.98	56.56	-17.44	74	48.3	31.9	9.83	33.47	178	6	P	H
		5150	46.98	-7.02	54	38.72	31.9	9.83	33.47	178	6	A	H
	*	5230	109.16	-	-	101.16	31.52	9.94	33.46	178	6	P	H
	*	5230	101.45	-	-	93.45	31.52	9.94	33.46	178	6	A	H
		5456.36	52.88	-21.12	74	44.35	31.73	10.23	33.43	178	6	P	H
		5353.6	41.85	-12.15	54	33.89	31.31	10.09	33.44	178	6	A	H
		5150	56.23	-17.77	74	47.97	31.9	9.83	33.47	121	178	P	V
		5150	47.05	-6.95	54	38.79	31.9	9.83	33.47	121	178	A	V
	*	5230	109.63	-	-	101.63	31.52	9.94	33.46	121	178	P	V
	*	5230	101.35	-	-	93.35	31.52	9.94	33.46	121	178	A	V
		5428.92	51.38	-22.62	74	43.01	31.62	10.19	33.44	121	178	P	V
		5350.8	42.12	-11.88	54	34.17	31.3	10.09	33.44	121	178	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	47.88	-20.32	68.2	49.71	39.64	15.48	56.95	100	0	P	H
		15570	45.83	-28.17	74	45.09	38.01	19.35	56.62	100	0	P	H
		10380	46.39	-21.81	68.2	48.22	39.64	15.48	56.95	100	0	P	V
		15570	46.04	-27.96	74	45.3	38.01	19.35	56.62	100	0	P	V
802.11n HT40 CH 46 5230MHz		10460	49.46	-18.74	68.2	51.17	39.7	15.51	56.92	100	0	P	H
		15690	47.62	-26.38	74	46.86	37.8	19.43	56.47	100	0	P	H
		10460	47.98	-20.22	68.2	49.69	39.7	15.51	56.92	100	0	P	V
		15690	48	-26	74	47.24	37.8	19.43	56.47	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5146.9	70.55	-3.45	74	62.29	31.91	9.82	33.47	196	15	P	H
		5149.76	53	-1	54	44.74	31.9	9.83	33.47	196	15	A	H
	*	5210	104.24	-	-	96.15	31.64	9.91	33.46	196	15	P	H
	*	5210	93.5	-	-	85.41	31.64	9.91	33.46	196	15	A	H
		5394.2	54.25	-19.75	74	46.07	31.48	10.14	33.44	196	15	P	H
		5353.6	40.07	-13.93	54	32.11	31.31	10.09	33.44	196	15	A	H
		5145.08	67.19	-6.81	74	58.93	31.91	9.82	33.47	107	173	P	V
		5150	51.3	-2.7	54	43.04	31.9	9.83	33.47	107	173	A	V
	*	5210	102.85	-	-	94.76	31.64	9.91	33.46	107	173	P	V
	*	5210	92.19	-	-	84.1	31.64	9.91	33.46	107	173	A	V
		5451.6	53.48	-20.52	74	44.98	31.71	10.22	33.43	107	173	P	V
		5351.36	40.09	-13.91	54	32.13	31.31	10.09	33.44	107	173	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10420	47.54	-20.66	68.2	49.27	39.7	15.5	56.93	100	0	P	H
VHT80		15630	46.07	-27.93	74	45.42	37.8	19.39	56.54	100	0	P	H
CH 42		10420	48.16	-20.04	68.2	49.89	39.7	15.5	56.93	100	0	P	V
5210MHz		15630	46.07	-27.93	74	45.42	37.8	19.39	56.54	100	0	P	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5117.64	53.94	-20.06	74	45.67	31.96	9.78	33.47	200	10	P	H
		5147.9	45.15	-8.85	54	36.9	31.9	9.82	33.47	200	10	A	H
	*	5260	113.14	-	-	105.24	31.38	9.97	33.45	200	10	P	H
	*	5260	105.71	-	-	97.81	31.38	9.97	33.45	200	10	A	H
		5356.8	52.38	-21.62	74	44.39	31.33	10.1	33.44	200	10	P	H
		5350.08	44.24	-9.76	54	36.29	31.3	10.09	33.44	200	10	A	H
		5131.92	52.27	-21.73	74	44	31.94	9.8	33.47	134	174	P	V
		5147.56	43.7	-10.3	54	35.45	31.9	9.82	33.47	134	174	A	V
	*	5260	111.46	-	-	103.56	31.38	9.97	33.45	134	174	P	V
	*	5260	104.04	-	-	96.14	31.38	9.97	33.45	134	174	A	V
		5388.96	52.21	-21.79	74	44.05	31.46	10.14	33.44	134	174	P	V
		5354.88	43.43	-10.57	54	35.46	31.32	10.09	33.44	134	174	A	V
802.11a CH 60 5300MHz		5092.14	53.26	-20.74	74	45.02	31.97	9.74	33.47	198	13	P	H
		5149.94	43.75	-10.25	54	35.49	31.9	9.83	33.47	198	13	A	H
	*	5300	112.76	-	-	104.89	31.3	10.02	33.45	198	13	P	H
	*	5300	105.14	-	-	97.27	31.3	10.02	33.45	198	13	A	H
		5350.08	52.35	-21.65	74	44.4	31.3	10.09	33.44	198	13	P	H
		5350.32	44.48	-9.52	54	36.53	31.3	10.09	33.44	198	13	A	H
		5093.16	52.69	-21.31	74	44.44	31.97	9.75	33.47	135	174	P	V
		5149.6	42.93	-11.07	54	34.67	31.9	9.83	33.47	135	174	A	V
	*	5300	111.97	-	-	104.1	31.3	10.02	33.45	135	174	P	V
	*	5300	104.23	-	-	96.36	31.3	10.02	33.45	135	174	A	V
		5361.12	52.24	-21.76	74	44.24	31.34	10.1	33.44	135	174	P	V
		5350.32	44.19	-9.81	54	36.24	31.3	10.09	33.44	135	174	A	V

802.11a CH 64 5320MHz	*	5320	112.55	-	-	104.65	31.3	10.05	33.45	188	14	P	H
	*	5320	104.4	-	-	96.5	31.3	10.05	33.45	188	14	A	H
		5350.08	60.9	-13.1	74	52.95	31.3	10.09	33.44	188	14	P	H
		5350.08	49.81	-4.19	54	41.86	31.3	10.09	33.44	188	14	A	H
	*	5320	112.22	-	-	104.32	31.3	10.05	33.45	112	178	P	V
	*	5320	104.8	-	-	96.9	31.3	10.05	33.45	112	178	A	V
		5350.88	60.05	-13.95	74	52.1	31.3	10.09	33.44	112	178	P	V
		5350.08	50.52	-3.48	54	42.57	31.3	10.09	33.44	112	178	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.76	-19.44	68.2	50.36	39.74	15.54	56.88	100	0	P	H
		15780	53.39	-20.61	74	52.62	37.64	19.49	56.36	100	82	P	H
		15780	41.45	-12.55	54	40.68	37.64	19.49	56.36	100	82	A	H
		10520	47.5	-20.7	68.2	49.1	39.74	15.54	56.88	100	0	P	V
		15780	54.34	-19.66	74	53.57	37.64	19.49	56.36	100	111	P	V
		15780	42.39	-11.61	54	41.62	37.64	19.49	56.36	100	111	A	V
802.11a CH 60 5300MHz		10600	47.18	-26.82	74	48.53	39.9	15.57	56.82	100	0	P	H
		15900	48.72	-25.28	74	48.07	37.3	19.57	56.22	100	0	P	H
		10600	47.72	-26.28	74	49.07	39.9	15.57	56.82	100	0	P	V
		15900	50	-24	74	49.35	37.3	19.57	56.22	100	0	P	V
802.11a CH 64 5320MHz		10640	47.82	-26.18	74	49.17	39.86	15.58	56.79	100	0	P	H
		15960	53.5	-20.5	74	52.69	37.36	19.6	56.15	100	79	P	H
		15960	41.51	-12.49	54	40.7	37.36	19.6	56.15	100	79	A	H
		10640	49.52	-24.48	74	50.87	39.86	15.58	56.79	100	0	P	V
		15960	49.08	-24.92	74	48.27	37.36	19.6	56.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5148.92	53.96	-20.04	74	45.7	31.9	9.83	33.47	200	9	P	H
		5148.24	44.83	-9.17	54	36.58	31.9	9.82	33.47	200	9	A	H
	*	5260	113.54	-	-	105.64	31.38	9.97	33.45	200	9	P	H
	*	5260	105.36	-	-	97.46	31.38	9.97	33.45	200	9	A	H
		5396.88	52.54	-21.46	74	44.34	31.49	10.15	33.44	200	9	P	H
		5351.76	43.94	-10.06	54	35.98	31.31	10.09	33.44	200	9	A	H
		5139.74	52.6	-21.4	74	44.34	31.92	9.81	33.47	136	176	P	V
		5148.58	43.92	-10.08	54	35.66	31.9	9.83	33.47	136	176	A	V
	*	5260	112.81	-	-	104.91	31.38	9.97	33.45	136	176	P	V
	*	5260	104.2	-	-	96.3	31.38	9.97	33.45	136	176	A	V
		5350.32	52.95	-21.05	74	45	31.3	10.09	33.44	136	176	P	V
		5371.68	43.54	-10.46	54	35.48	31.39	10.11	33.44	136	176	A	V
802.11n HT20 CH 60 5300MHz		5143.48	52.81	-21.19	74	44.55	31.91	9.82	33.47	199	11	P	H
		5149.94	43.95	-10.05	54	35.69	31.9	9.83	33.47	199	11	A	H
	*	5300	112.89	-	-	105.02	31.3	10.02	33.45	199	11	P	H
	*	5300	105.04	-	-	97.17	31.3	10.02	33.45	199	11	A	H
		5443.44	53.68	-20.32	74	45.24	31.67	10.21	33.44	199	11	P	H
		5351.04	44.83	-9.17	54	36.88	31.3	10.09	33.44	199	11	A	H
		5064.94	51.79	-22.21	74	43.7	31.86	9.7	33.47	117	174	P	V
		5149.94	43.07	-10.93	54	34.81	31.9	9.83	33.47	117	174	A	V
	*	5300	111.99	-	-	104.12	31.3	10.02	33.45	117	174	P	V
	*	5300	104.14	-	-	96.27	31.3	10.02	33.45	117	174	A	V
		5350.08	52.97	-21.03	74	45.02	31.3	10.09	33.44	117	174	P	V
		5351.04	44.45	-9.55	54	36.5	31.3	10.09	33.44	117	174	A	V

802.11n HT20 CH 64 5320MHz	*	5320	112.88	-	-	104.98	31.3	10.05	33.45	196	12	P	H
	*	5320	102.44	-	-	94.54	31.3	10.05	33.45	196	12	A	H
		5352.48	66.26	-7.74	74	58.3	31.31	10.09	33.44	196	12	P	H
		5350.08	47.42	-6.58	54	39.47	31.3	10.09	33.44	196	12	A	H
	*	5320	112.53	-	-	104.63	31.3	10.05	33.45	113	180	P	V
	*	5320	102.31	-	-	94.41	31.3	10.05	33.45	113	180	A	V
		5352.16	64.61	-9.39	74	56.65	31.31	10.09	33.44	113	180	P	V
		5350.08	46.74	-7.26	54	38.79	31.3	10.09	33.44	113	180	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable 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	46.96	-21.24	68.2	48.56	39.74	15.54	56.88	100	0	P	H
		15780	49.79	-24.21	74	49.02	37.64	19.49	56.36	100	0	P	H
		10520	48.54	-19.66	68.2	50.14	39.74	15.54	56.88	100	0	P	V
		15780	49.91	-24.09	74	49.14	37.64	19.49	56.36	100	0	P	V
802.11n HT20 CH 60 5300MHz		10600	48.21	-25.79	74	49.56	39.9	15.57	56.82	100	0	P	H
		15900	49.43	-24.57	74	48.78	37.3	19.57	56.22	100	0	P	H
		10600	47.72	-26.28	74	49.07	39.9	15.57	56.82	100	0	P	V
		15900	49.82	-24.18	74	49.17	37.3	19.57	56.22	100	0	P	V
802.11n HT20 CH 64 5320MHz		10640	48.14	-25.86	74	49.49	39.86	15.58	56.79	100	0	P	H
		15960	49.6	-24.4	74	48.79	37.36	19.6	56.15	100	0	P	H
		10640	47.71	-26.29	74	49.06	39.86	15.58	56.79	100	0	P	V
		15960	47.01	-26.99	74	46.2	37.36	19.6	56.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5123.76	53.37	-20.63	74	45.1	31.95	9.79	33.47	187	7	P	H
		5149.94	43.8	-10.2	54	35.54	31.9	9.83	33.47	187	7	A	H
	*	5270	108.85	-	-	100.95	31.36	9.99	33.45	187	7	P	H
	*	5270	101.26	-	-	93.36	31.36	9.99	33.45	187	7	A	H
		5355.84	53.45	-20.55	74	45.48	31.32	10.09	33.44	187	7	P	H
		5350.32	44.02	-9.98	54	36.07	31.3	10.09	33.44	187	7	A	H
		5128.18	52.61	-21.39	74	44.34	31.94	9.8	33.47	113	178	P	V
		5149.94	42.97	-11.03	54	34.71	31.9	9.83	33.47	113	178	A	V
	*	5270	108.62	-	-	100.72	31.36	9.99	33.45	113	178	P	V
	*	5270	100.08	-	-	92.18	31.36	9.99	33.45	113	178	A	V
		5352.24	52.74	-21.26	74	44.78	31.31	10.09	33.44	113	178	P	V
		5350.08	43.72	-10.28	54	35.77	31.3	10.09	33.44	113	178	A	V
802.11n HT40 CH 62 5310MHz		5129.54	55.53	-18.47	74	47.26	31.94	9.8	33.47	200	14	P	H
		5143.82	41.63	-12.37	54	33.37	31.91	9.82	33.47	200	14	A	H
	*	5310	108.76	-	-	100.87	31.3	10.04	33.45	200	14	P	H
	*	5310	98.02	-	-	90.13	31.3	10.04	33.45	200	14	A	H
		5352.72	71.81	-2.19	74	63.85	31.31	10.09	33.44	200	14	P	H
		5350.08	51.75	-2.25	54	43.8	31.3	10.09	33.44	200	14	A	H
		5139.4	54.77	-19.23	74	46.51	31.92	9.81	33.47	117	174	P	V
		5149.26	41.04	-12.96	54	32.78	31.9	9.83	33.47	117	174	A	V
	*	5310	108.36	-	-	100.47	31.3	10.04	33.45	117	174	P	V
	*	5310	97.98	-	-	90.09	31.3	10.04	33.45	117	174	A	V
		5351.04	71.78	-2.22	74	63.83	31.3	10.09	33.44	117	174	P	V
		5350.08	51.69	-2.31	54	43.74	31.3	10.09	33.44	117	174	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	47.81	-20.39	68.2	49.35	39.78	15.55	56.87	100	0	P	H
		15810	47.92	-26.08	74	47.17	37.57	19.51	56.33	100	0	P	H
		10540	48.24	-19.96	68.2	49.78	39.78	15.55	56.87	100	0	P	V
		15810	47.22	-26.78	74	46.47	37.57	19.51	56.33	100	0	P	V
802.11n HT40 CH 62 5310MHz		10620	48	-26	74	49.35	39.88	15.57	56.8	100	0	P	H
		15930	46.72	-27.28	74	45.98	37.33	19.59	56.18	100	0	P	H
		10620	47.62	-26.38	74	48.97	39.88	15.57	56.8	100	0	P	V
		15930	45.97	-28.03	74	45.23	37.33	19.59	56.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5144.5	58.68	-15.32	74	50.42	31.91	9.82	33.47	202	12	P	H
		5149.94	43.98	-10.02	54	35.72	31.9	9.83	33.47	202	12	A	H
	*	5290	106.02	-	-	98.14	31.32	10.01	33.45	202	12	P	H
	*	5290	94.94	-	-	87.06	31.32	10.01	33.45	202	12	A	H
		5352.72	72.75	-1.25	74	64.79	31.31	10.09	33.44	202	12	P	H
		5350.08	51.62	-2.38	54	43.67	31.3	10.09	33.44	202	12	A	H
		5147.56	56.02	-17.98	74	47.77	31.9	9.82	33.47	121	179	P	V
		5149.94	42.61	-11.39	54	34.35	31.9	9.83	33.47	121	179	A	V
	*	5290	105.04	-	-	97.16	31.32	10.01	33.45	121	179	P	V
	*	5290	94.06	-	-	86.18	31.32	10.01	33.45	121	179	A	V
		5350.32	72.03	-1.97	74	64.08	31.3	10.09	33.44	121	179	P	V
		5350.08	51.6	-2.4	54	43.65	31.3	10.09	33.44	121	179	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10580	47.01	-21.19	68.2	48.43	39.86	15.56	56.84	100	0	P	H
VHT80		15870	45.93	-28.07	74	45.25	37.39	19.55	56.26	100	0	P	H
CH 58		10580	47.99	-20.21	68.2	49.41	39.86	15.56	56.84	100	0	P	V
5290MHz		15870	45.34	-28.66	74	44.66	37.39	19.55	56.26	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.92	59.9	-14.1	74	51.36	31.74	10.23	33.43	199	3	P	H
		5469.84	65.31	-2.89	68.2	56.71	31.78	10.25	33.43	199	3	P	H
		5460	46.32	-7.68	54	37.78	31.74	10.23	33.43	199	3	A	H
	*	5500	111.57	-	-	102.81	31.9	10.29	33.43	199	3	P	H
	*	5500	103.52	-	-	94.76	31.9	10.29	33.43	199	3	A	H
		5458.32	56.2	-17.8	74	47.67	31.73	10.23	33.43	106	179	P	V
		5468.24	64.19	-4.01	68.2	55.6	31.77	10.25	33.43	106	179	P	V
		5459.92	45.15	-8.85	54	36.61	31.74	10.23	33.43	106	179	A	V
	*	5500	109.21	-	-	100.45	31.9	10.29	33.43	106	179	P	V
	*	5500	101.27	-	-	92.51	31.9	10.29	33.43	106	179	A	V
802.11a CH 116 5580MHz		5452.72	52.17	-21.83	74	43.67	31.71	10.22	33.43	176	10	P	H
		5469.76	53.75	-14.45	68.2	45.15	31.78	10.25	33.43	176	10	P	H
		5459.92	44.47	-9.53	54	35.93	31.74	10.23	33.43	176	10	A	H
	*	5580	113.38	-	-	104.62	31.8	10.4	33.44	176	10	P	H
	*	5580	105.78	-	-	97.02	31.8	10.4	33.44	176	10	A	H
		5737.28	52.55	-15.65	68.2	43.43	32.07	10.51	33.46	176	10	P	H
		5411.44	50.9	-23.1	74	42.62	31.55	10.17	33.44	205	230	P	V
		5463.28	50.74	-17.46	68.2	42.18	31.75	10.24	33.43	205	230	P	V
		5459.92	43.07	-10.93	54	34.53	31.74	10.23	33.43	205	230	A	V
	*	5580	110.49	-	-	101.73	31.8	10.4	33.44	205	230	P	V
	*	5580	102.85	-	-	94.09	31.8	10.4	33.44	205	230	A	V
		5747.675	53.48	-14.72	68.2	44.33	32.1	10.51	33.46	205	230	P	V

802.11a CH 140 5700MHz	*	5700	112.14	-	-	103.11	32	10.49	33.46	191	5	P	H
	*	5700	104.49	-	-	95.46	32	10.49	33.46	191	5	A	H
		5725.88	66.39	-1.81	68.2	57.3	32.05	10.5	33.46	191	5	P	H
	*	5700	109.95	-	-	100.92	32	10.49	33.46	340	360	P	V
	*	5700	102.03	-	-	93	32	10.49	33.46	340	360	A	V
		5725.64	64.69	-3.51	68.2	55.6	32.05	10.5	33.46	340	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 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	53.62	-20.38	74	54.2	40.2	15.72	56.5	217	354	P	H
		11000	43.06	-10.94	54	43.64	40.2	15.72	56.5	217	354	A	H
		16500	51.38	-16.82	68.2	47.48	39.4	20.2	55.7	100	0	P	H
		11000	57.23	-16.77	74	57.81	40.2	15.72	56.5	152	185	P	V
		11000	46.33	-7.67	54	46.91	40.2	15.72	56.5	152	185	A	V
		16500	50.41	-17.79	68.2	46.51	39.4	20.2	55.7	100	0	P	V
802.11a CH 116 5580MHz		11160	58.07	-15.93	74	59.01	39.62	15.36	56.44	219	351	P	H
		11160	47.42	-6.58	54	48.36	39.62	15.36	56.44	219	351	A	H
		16740	49.97	-18.23	68.2	45	40.4	19.79	55.89	100	0	P	H
		11160	59.99	-14.01	74	60.93	39.62	15.36	56.44	152	185	P	V
		11160	49.69	-4.31	54	50.63	39.62	15.36	56.44	152	185	A	V
		16740	51.89	-16.31	68.2	46.92	40.4	19.79	55.89	100	0	P	V
802.11a CH 140 5700MHz		11400	60.84	-13.16	74	61.45	39.6	16.13	56.34	179	248	P	H
		11400	49.62	-4.38	54	50.23	39.6	16.13	56.34	179	248	A	H
		17100	50.72	-17.48	68.2	45.69	40.5	20.83	56.3	100	0	P	H
		11400	61.75	-12.25	74	62.36	39.6	16.13	56.34	101	282	P	V
		11400	50.28	-3.72	54	50.89	39.6	16.13	56.34	101	282	A	V
		17100	50.6	-17.6	68.2	45.57	40.5	20.83	56.3	100	0	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 HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5458.96	61.04	-12.96	74	52.5	31.74	10.23	33.43	100	72	P	H
		5468.4	66.02	-2.18	68.2	57.43	31.77	10.25	33.43	100	72	P	H
		5459.92	44.32	-9.68	54	35.78	31.74	10.23	33.43	100	72	A	H
	*	5500	112.27	-	-	103.51	31.9	10.29	33.43	100	72	P	H
	*	5500	102.01	-	-	93.25	31.9	10.29	33.43	100	72	A	H
													H
		5460.08	61.01	-7.19	68.2	52.47	31.74	10.23	33.43	107	177	P	V
		5469.04	64.76	-3.44	68.2	56.16	31.78	10.25	33.43	107	177	P	V
		5460	43.75	-10.25	54	35.21	31.74	10.23	33.43	107	177	A	V
	*	5500	110.76	-	-	102	31.9	10.29	33.43	107	177	P	V
	*	5500	100.41	-	-	91.65	31.9	10.29	33.43	107	177	A	V
													V
802.11n HT20 CH 116 5580MHz		5430.64	52.58	-21.42	74	44.21	31.62	10.19	33.44	190	10	P	H
		5469.76	52.53	-15.67	68.2	43.93	31.78	10.25	33.43	190	10	P	H
		5459.92	44.25	-9.75	54	35.71	31.74	10.23	33.43	190	10	A	H
	*	5580	113.18	-	-	104.42	31.8	10.4	33.44	190	10	P	H
	*	5580	105.29	-	-	96.53	31.8	10.4	33.44	190	10	A	H
		5742.32	53.71	-14.49	68.2	44.58	32.08	10.51	33.46	190	10	P	H
		5459.92	51.68	-22.32	74	43.14	31.74	10.23	33.43	210	231	P	V
		5469.52	52.28	-15.92	68.2	43.68	31.78	10.25	33.43	210	231	P	V
		5459.92	43.35	-10.65	54	34.81	31.74	10.23	33.43	210	231	A	V
	*	5580	111.14	-	-	102.38	31.8	10.4	33.44	210	231	P	V
	*	5580	102.72	-	-	93.96	31.8	10.4	33.44	210	231	A	V
		5741.375	51.96	-16.24	68.2	42.83	32.08	10.51	33.46	210	231	P	V

802.11n HT20 CH 140 5700MHz	*	5700	111.1	-	-	102.07	32	10.49	33.46	190	5	P	H
	*	5700	100.65	-	-	91.62	32	10.49	33.46	190	5	A	H
		5725.88	66.2	-2	68.2	57.11	32.05	10.5	33.46	190	5	P	H
	*	5700	109.22	-	-	100.19	32	10.49	33.46	381	3	P	V
	*	5700	98.68	-	-	89.65	32	10.49	33.46	381	3	A	V
		5726.04	62.06	-6.14	68.2	52.97	32.05	10.5	33.46	381	3	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 HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	53.8	-20.2	74	54.38	40.2	15.72	56.5	100	283	P	H
		11000	42.83	-11.17	54	43.41	40.2	15.72	56.5	100	283	A	H
		16500	50.5	-17.7	68.2	46.6	39.4	20.2	55.7	100	0	P	H
		11000	59.51	-14.49	74	60.09	40.2	15.72	56.5	143	182	P	V
		11000	47.67	-6.33	54	48.25	40.2	15.72	56.5	143	182	A	V
		16500	50.9	-17.3	68.2	47	39.4	20.2	55.7	100	0	P	V
802.11n HT20 CH 116 5580MHz		11160	53.86	-20.14	74	54.8	39.62	15.88	56.44	220	353	P	H
		11160	42.56	-11.44	54	43.5	39.62	15.88	56.44	220	353	A	H
		16740	52.17	-16.03	68.2	47.2	40.4	20.46	55.89	100	0	P	H
		11160	60.16	-13.84	74	61.1	39.62	15.88	56.44	163	178	P	V
		11160	48.71	-5.29	54	49.65	39.62	15.88	56.44	163	178	A	V
		16740	50.65	-17.55	68.2	45.68	40.4	20.46	55.89	100	0	P	V
802.11n HT20 CH 140 5700MHz		11400	58.39	-15.61	74	59	39.6	16.13	56.34	178	248	P	H
		11400	46.15	-7.85	54	46.76	39.6	16.13	56.34	178	248	A	H
		17100	48.69	-19.51	68.2	43.66	40.5	20.83	56.3	100	0	P	H
		11400	58.01	-15.99	74	58.62	39.6	16.13	56.34	101	283	P	V
		11400	46.48	-7.52	54	47.09	39.6	16.13	56.34	101	283	A	V
		17100	49.51	-18.69	68.2	44.48	40.5	20.83	56.3	100	0	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 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5459.92	60.43	-13.57	74	51.89	31.74	10.23	33.43	182	14	P	H
		5468.8	67.65	-0.55	68.2	59.05	31.78	10.25	33.43	182	14	P	H
		5459.92	44.46	-9.54	54	35.92	31.74	10.23	33.43	182	14	A	H
	*	5510	105.67	-	-	96.92	31.88	10.3	33.43	182	14	P	H
	*	5510	94.05	-	-	85.3	31.88	10.3	33.43	182	14	A	H
		5752.085	55.77	-12.43	68.2	46.63	32.1	10.51	33.47	182	14	P	H
		5451.52	61.49	-12.51	74	52.99	31.71	10.22	33.43	102	180	P	V
		5469.52	65.07	-3.13	68.2	56.47	31.78	10.25	33.43	102	180	P	V
		5459.92	44.18	-9.82	54	35.64	31.74	10.23	33.43	102	180	A	V
	*	5510	104.97	-	-	96.22	31.88	10.3	33.43	102	180	P	V
	*	5510	93.98	-	-	85.23	31.88	10.3	33.43	102	180	A	V
		5749.88	54.75	-13.45	68.2	45.6	32.1	10.51	33.46	102	180	P	V
802.11n HT40 CH 110 5550MHz		5458	53.84	-20.16	74	45.31	31.73	10.23	33.43	192	5	P	H
		5464.96	57.78	-10.42	68.2	49.21	31.76	10.24	33.43	192	5	P	H
		5459.92	45.24	-8.76	54	36.7	31.74	10.23	33.43	192	5	A	H
	*	5550	109.34	-	-	100.62	31.8	10.36	33.44	192	5	P	H
	*	5550	100.97	-	-	92.25	31.8	10.36	33.44	192	5	A	H
		5731.295	53.34	-14.86	68.2	44.24	32.06	10.5	33.46	192	5	P	H
		5442.88	53.52	-20.48	74	45.08	31.67	10.21	33.44	100	176	P	V
		5469.76	53.07	-15.13	68.2	44.47	31.78	10.25	33.43	100	176	P	V
		5459.2	44.73	-9.27	54	36.19	31.74	10.23	33.43	100	176	A	V
	*	5550	105.98	-	-	97.26	31.8	10.36	33.44	100	176	P	V
	*	5550	98.04	-	-	89.32	31.8	10.36	33.44	100	176	A	V
		5759.96	53.05	-15.15	68.2	43.88	32.12	10.52	33.47	100	176	P	V

802.11n HT40 CH 134 5670MHz		5438.9	54.09	-19.91	74	45.67	31.66	10.2	33.44	194	6	P	H
		5469.7	53.53	-14.67	68.2	44.93	31.78	10.25	33.43	194	6	P	H
		5459.9	40.79	-13.21	54	32.25	31.74	10.23	33.43	194	6	A	H
	*	5670	109.43	-	-	100.59	31.82	10.47	33.45	194	6	P	H
	*	5670	98.31	-	-	89.47	31.82	10.47	33.45	194	6	A	H
		5731.75	64.61	-3.59	68.2	55.51	32.06	10.5	33.46	194	6	P	H
		5438.55	53.55	-20.45	74	45.14	31.65	10.2	33.44	105	122	P	V
		5463.05	53.65	-14.55	68.2	45.09	31.75	10.24	33.43	105	122	P	V
		5459.55	40.35	-13.65	54	31.81	31.74	10.23	33.43	105	122	A	V
	*	5670	106.23	-	-	97.39	31.82	10.47	33.45	105	122	P	V
	*	5670	94.79	-	-	85.95	31.82	10.47	33.45	105	122	A	V
		5727.2	62.78	-5.42	68.2	53.69	32.05	10.5	33.46	105	122	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	48.75	-25.25	74	49.38	40.12	15.74	56.49	100	0	P	H
		16530	47.86	-20.34	68.2	43.95	39.4	20.23	55.72	100	0	P	H
		11020	48.43	-25.57	74	49.06	40.12	15.74	56.49	100	0	P	V
		16530	47.28	-20.92	68.2	43.37	39.4	20.23	55.72	100	0	P	V
802.11n HT40 CH 110 5550MHz		11100	49.02	-24.98	74	49.86	39.8	15.82	56.46	100	0	P	H
		16650	48.6	-19.6	68.2	44.26	39.8	20.36	55.82	100	0	P	H
		11100	49.54	-24.46	74	50.38	39.8	15.82	56.46	100	0	P	V
		16650	48.26	-19.94	68.2	43.92	39.8	20.36	55.82	100	0	P	V
802.11n HT40 CH 134 5670MHz		11340	53.25	-20.75	74	54	39.54	16.07	56.36	105	245	P	H
		11340	44.4	-9.6	54	45.15	39.54	16.07	56.36	105	245	A	H
		17010	50.39	-17.81	68.2	45.25	40.5	20.76	56.12	100	0	P	H
		11340	54.93	-19.07	74	55.68	39.54	16.07	56.36	100	283	P	V
		11340	45.13	-8.87	54	45.88	39.54	16.07	56.36	100	283	A	V
		17010	49.06	-19.14	68.2	43.92	40.5	20.76	56.12	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5458.48	63.95	-10.05	74	55.42	31.73	10.23	33.43	197	10	P	H
		5463.76	64.96	-3.24	68.2	56.39	31.76	10.24	33.43	197	10	P	H
		5455.6	44.4	-9.6	54	35.88	31.72	10.23	33.43	197	10	A	H
	*	5530	101.75	-	-	93.01	31.84	10.33	33.43	197	10	P	H
	*	5530	90.51	-	-	81.77	31.84	10.33	33.43	197	10	A	H
		5752.085	55.45	-12.75	68.2	46.31	32.1	10.51	33.47	197	10	P	H
		5457.04	61.94	-12.06	74	53.41	31.73	10.23	33.43	100	184	P	V
		5466.16	64.72	-3.48	68.2	56.15	31.76	10.24	33.43	100	184	P	V
		5456.08	43.87	-10.13	54	35.35	31.72	10.23	33.43	100	184	A	V
	*	5530	99.96	-	-	91.22	31.84	10.33	33.43	100	184	P	V
	*	5530	89.15	-	-	80.41	31.84	10.33	33.43	100	184	A	V
		5751.14	55.59	-12.61	68.2	46.45	32.1	10.51	33.47	100	184	P	V
802.11ac VHT80 CH 122 5610MHz		5452.24	56.79	-17.21	74	48.29	31.71	10.22	33.43	189	5	P	H
		5463.04	59.05	-9.15	68.2	50.49	31.75	10.24	33.43	189	5	P	H
		5459.92	42.63	-11.37	54	34.09	31.74	10.23	33.43	189	5	A	H
	*	5610	106.16	-	-	97.39	31.78	10.44	33.45	189	5	P	H
	*	5610	95.37	-	-	86.6	31.78	10.44	33.45	189	5	A	H
		5726.885	62.95	-5.25	68.2	53.86	32.05	10.5	33.46	189	5	P	H
		5453.92	54.57	-19.43	74	46.05	31.72	10.23	33.43	400	319	P	V
		5469.76	55.4	-12.8	68.2	46.8	31.78	10.25	33.43	400	319	P	V
		5459.44	41.34	-12.66	54	32.8	31.74	10.23	33.43	400	319	A	V
	*	5610	103	-	-	94.23	31.78	10.44	33.45	400	319	P	V
	*	5610	92.38	-	-	83.61	31.78	10.44	33.45	400	319	A	V
		5729.09	58.94	-9.26	68.2	49.84	32.06	10.5	33.46	400	319	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11060	48.05	-25.95	74	48.79	39.96	15.78	56.48	100	0	P	H
VHT80		16590	47.01	-21.19	68.2	43.09	39.4	20.29	55.77	100	0	P	H
CH 106		11060	48.87	-25.13	74	49.61	39.96	15.78	56.48	100	0	P	V
5530MHz		16590	47.54	-20.66	68.2	43.62	39.4	20.29	55.77	100	0	P	V
802.11ac		11220	47.8	-26.2	74	48.76	39.5	15.95	56.41	100	0	P	H
VHT80		16830	48.96	-19.24	68.2	43.83	40.52	20.57	55.96	100	0	P	H
CH 122		11220	48.4	-25.6	74	49.36	39.5	15.95	56.41	100	0	P	V
5610MHz		16830	48.84	-19.36	68.2	43.71	40.52	20.57	55.96	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		5451.4	52.5	-21.5	74	44	31.71	10.22	33.43	179	5	P	H
		5465.44	51.54	-16.66	68.2	42.97	31.76	10.24	33.43	179	5	P	H
		5459.98	42.26	-11.74	54	33.72	31.74	10.23	33.43	179	5	A	H
	*	5720	113.74	-	-	104.66	32.04	10.5	33.46	179	5	P	H
	*	5720	106.11	-	-	97.03	32.04	10.5	33.46	179	5	A	H
		5857.25	53.48	-14.72	68.2	44.06	32.31	10.59	33.48	179	5	P	H
		5382.37	50.46	-23.54	74	42.34	31.43	10.13	33.44	226	181	P	V
		5460.37	50.4	-17.8	68.2	41.86	31.74	10.23	33.43	226	181	P	V
		5458.03	41.75	-12.25	54	33.22	31.73	10.23	33.43	226	181	A	V
	*	5720	111.68	-	-	102.6	32.04	10.5	33.46	226	181	P	V
	*	5720	103.65	-	-	94.57	32.04	10.5	33.46	226	181	A	V
		5859.75	53.16	-15.04	68.2	43.73	32.32	10.59	33.48	226	181	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	63.63	-10.37	74	64.11	39.68	16.16	56.32	175	248	P	H
		11440	51.62	-2.38	54	52.1	39.68	16.16	56.32	175	248	A	H
		17160	51.83	-16.37	68.2	46.83	40.56	20.86	56.42	100	0	P	H
		11440	63.77	-10.23	74	64.25	39.68	16.16	56.32	101	282	P	V
		11440	52.71	-1.29	54	53.19	39.68	16.16	56.32	101	282	A	V
		17160	50.47	-17.73	68.2	45.47	40.56	20.86	56.42	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5437.36	51.28	-22.72	74	42.87	31.65	10.2	33.44	136	0	P	H
		5469.34	50.69	-17.51	68.2	42.09	31.78	10.25	33.43	136	0	P	H
		5459.59	41.87	-12.13	54	33.33	31.74	10.23	33.43	136	0	A	H
	*	5720	112.67	-	-	103.59	32.04	10.5	33.46	136	0	P	H
	*	5720	104.51	-	-	95.43	32.04	10.5	33.46	136	0	A	H
		5921.25	54.35	-13.85	68.2	44.7	32.49	10.65	33.49	136	0	P	H
		5367.94	50.35	-23.65	74	42.31	31.37	10.11	33.44	400	7	P	V
		5466.61	49.15	-19.05	68.2	40.57	31.77	10.24	33.43	400	7	P	V
		5459.59	40.97	-13.03	54	32.43	31.74	10.23	33.43	400	7	A	V
	*	5720	109.73	-	-	100.65	32.04	10.5	33.46	400	7	P	V
	*	5720	101.86	-	-	92.78	32.04	10.5	33.46	400	7	A	V
		5944.25	52.3	-15.9	68.2	42.54	32.58	10.67	33.49	400	7	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	57.63	-16.37	74	58.11	39.68	16.16	56.32	100	172	P	H
		11440	46.82	-7.18	54	47.3	39.68	16.16	56.32	100	172	A	H
		17160	50.11	-18.09	68.2	45.11	40.56	20.86	56.42	100	0	P	H
		11440	60.29	-13.71	74	60.77	39.68	16.16	56.32	100	283	P	V
		11440	49.41	-4.59	54	49.89	39.68	16.16	56.32	100	283	A	V
		17160	49.81	-18.39	68.2	44.81	40.56	20.86	56.42	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5355.46	51.79	-22.21	74	43.82	31.32	10.09	33.44	178	4	P	H
		5465.05	52.37	-15.83	68.2	43.8	31.76	10.24	33.43	178	4	P	H
		5459.98	42.01	-11.99	54	33.47	31.74	10.23	33.43	178	4	A	H
	*	5710	109.73	-	-	100.68	32.02	10.49	33.46	178	4	P	H
	*	5710	101.08	-	-	92.03	32.02	10.49	33.46	178	4	A	H
		5853.5	53.07	-15.13	68.2	43.65	32.31	10.59	33.48	178	4	P	H
		5443.6	50.32	-23.68	74	41.88	31.67	10.21	33.44	315	359	P	V
		5467.78	49.51	-18.69	68.2	40.93	31.77	10.24	33.43	315	359	P	V
		5456.86	41.23	-12.77	54	32.7	31.73	10.23	33.43	315	359	A	V
	*	5710	107.14	-	-	98.09	32.02	10.49	33.46	315	359	P	V
	*	5710	98.71	-	-	89.66	32.02	10.49	33.46	315	359	A	V
		5929.75	53.23	-14.97	68.2	43.54	32.52	10.66	33.49	315	359	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	53.8	-20.2	74	54.35	39.64	16.14	56.33	112	246	P	H
		11420	44.06	-9.94	54	44.61	39.64	16.14	56.33	112	246	A	H
		17130	49.35	-18.85	68.2	44.33	40.53	20.85	56.36	100	0	P	H
		11420	55.26	-18.74	74	55.81	39.64	16.14	56.33	100	281	P	V
		11420	46.11	-7.89	54	46.66	39.64	16.14	56.33	100	281	A	V
		17130	50.01	-18.19	68.2	44.99	40.53	20.85	56.36	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5448.67	52.28	-21.72	74	43.81	31.69	10.22	33.44	206	6	P	H
		5461.93	52.35	-15.85	68.2	43.79	31.75	10.24	33.43	206	6	P	H
		5457.64	42.19	-11.81	54	33.66	31.73	10.23	33.43	206	6	A	H
	*	5690	105.74	-	-	96.78	31.94	10.48	33.46	206	6	P	H
	*	5690	97.48	-	-	88.52	31.94	10.48	33.46	206	6	A	H
		5858.25	56.29	-11.91	68.2	46.86	32.32	10.59	33.48	206	6	P	H
		5409.28	50.48	-23.52	74	42.22	31.54	10.16	33.44	400	0	P	V
		5468.17	50.63	-17.57	68.2	42.04	31.77	10.25	33.43	400	0	P	V
		5458.42	41.36	-12.64	54	32.83	31.73	10.23	33.43	400	0	A	V
	*	5690	103.79	-	-	94.83	31.94	10.48	33.46	400	0	P	V
	*	5690	94.73	-	-	85.77	31.94	10.48	33.46	400	0	A	V
		5851.75	53.65	-14.55	68.2	44.24	32.3	10.59	33.48	400	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11380	49.89	-24.11	74	50.55	39.58	16.11	56.35	100	0	P	H
VHT80		17070	49.93	-18.27	68.2	44.87	40.5	20.8	56.24	100	0	P	H
CH 138		11380	49.46	-24.54	74	50.12	39.58	16.11	56.35	100	0	P	V
5690MHz		17070	49.07	-19.13	68.2	44.01	40.5	20.8	56.24	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		35.4	22.75	-17.25	40	30.49	21.75	0.78	30.27	-	-	P	H
		99.12	24.07	-19.43	43.5	37.7	15.74	1.06	30.43	-	-	P	H
		127.2	24.51	-18.99	43.5	36.04	17.44	1.43	30.4	-	-	P	H
		833.4	33.02	-12.98	46	29.31	28.67	4.28	29.24	-	-	P	H
		897.8	34.48	-11.52	46	30.17	29	4.45	29.14	-	-	P	H
		955.2	34.89	-11.11	46	28.41	30.71	4.75	28.98	100	0	P	H
		34.05	26.76	-13.24	40	33.83	22.39	0.78	30.24	-	-	P	V
		85.35	22.85	-17.15	40	38.16	14.07	1.06	30.44	-	-	P	V
		100.74	25.24	-18.26	43.5	38.3	15.94	1.43	30.43	-	-	P	V
		819.4	33.11	-12.89	46	30.01	28.22	4.14	29.26	-	-	P	V
		897.1	37.36	-8.64	46	33.04	29.01	4.45	29.14	100	0	P	V
		930	34.91	-11.09	46	29.58	29.78	4.6	29.05	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

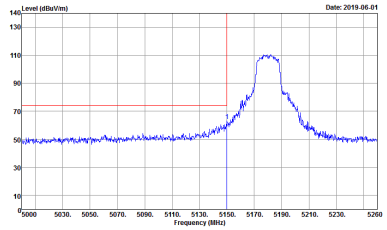
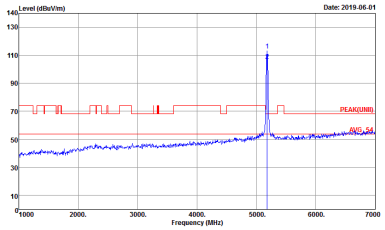
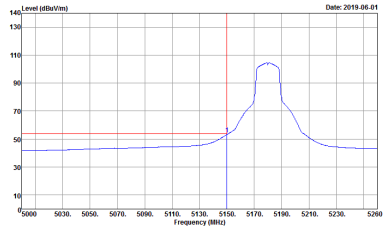
Test Engineer :	Jack Cheng, Lance Chiang, Chuan Chu	**Temperature :**	21~24°C
		Relative Humidity :	56~68%

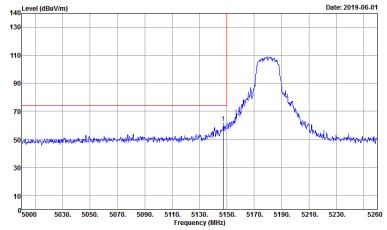
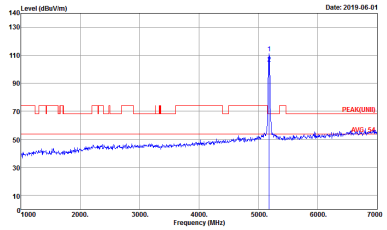
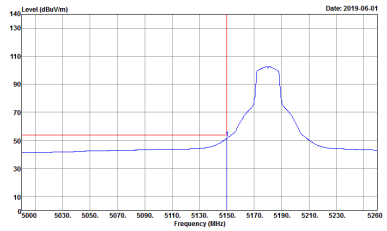
Note symbol

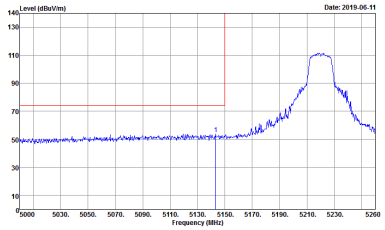
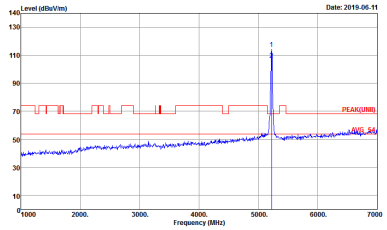
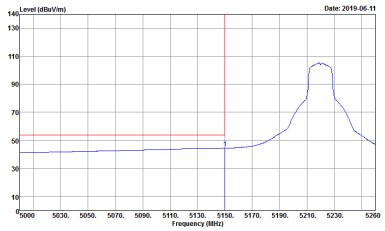
-L	**Low channel location**
-R	**High channel location**

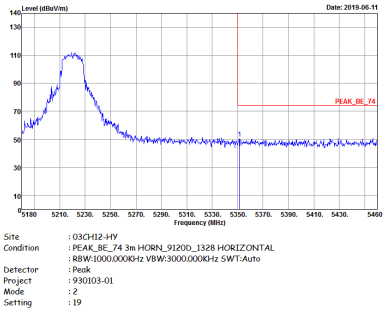
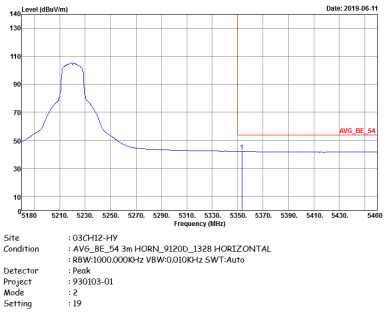
Band 1 - 5150~5250MHz

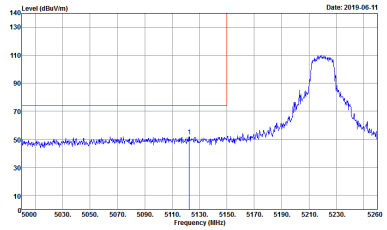
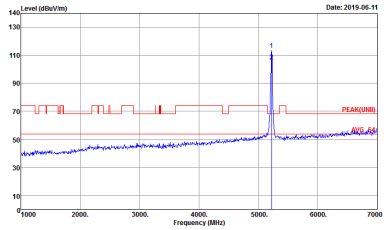
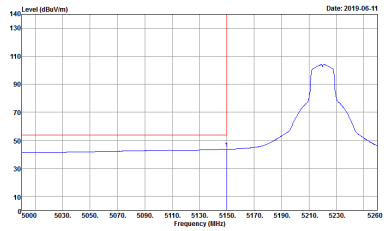
WIFI 802.11a (Band Edge @ 3m)

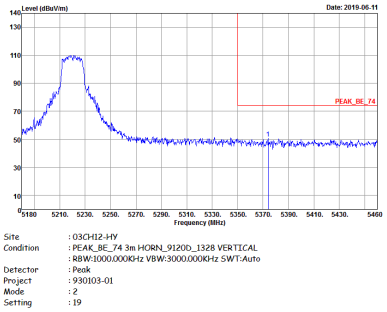
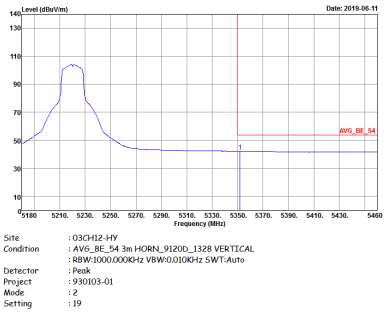
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 1 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 1 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 1 Setting : 18	Left blank

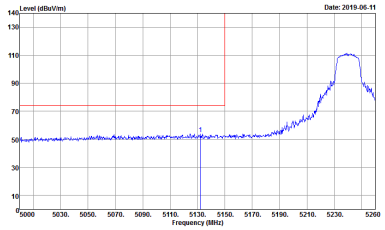
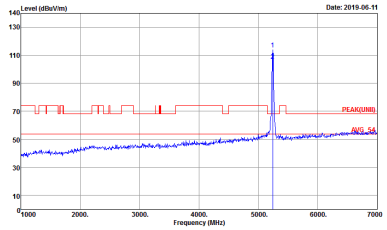
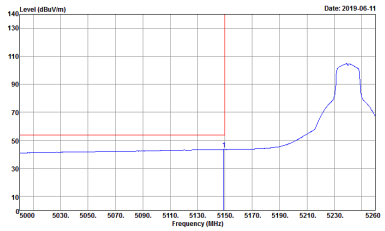
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 1 Setting : 18	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 1 Setting : 18
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 1 Setting : 18	Left blank

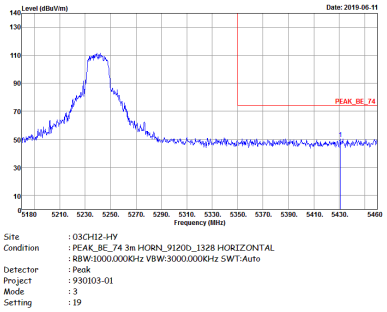
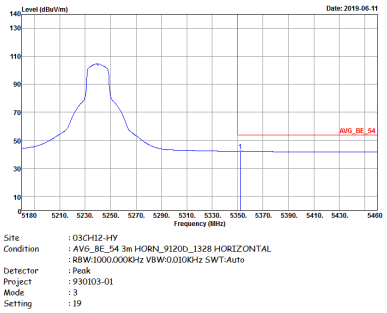
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 2 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 2 Setting : 19
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 2 Setting : 19	Left blank

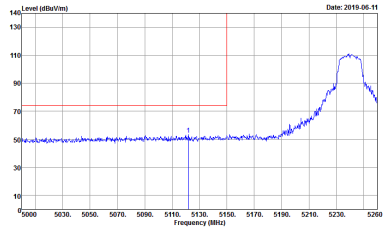
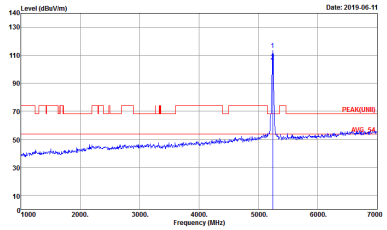
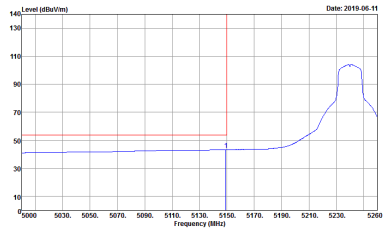
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

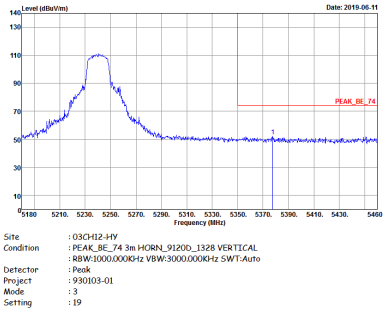
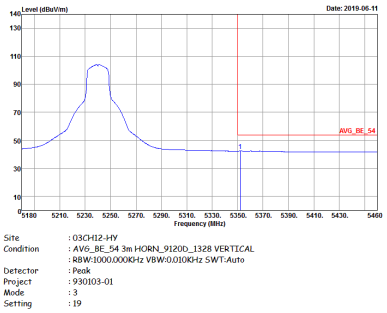
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 2 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 2 Setting : 19
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 2 Setting : 19	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 : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 3 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 3 Setting : 19
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 3 Setting : 19	Left blank

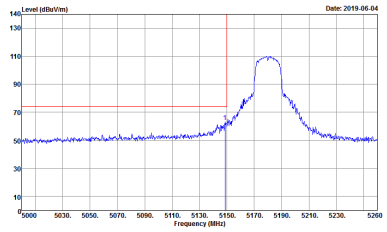
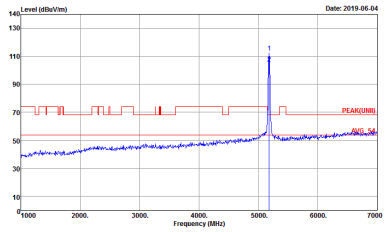
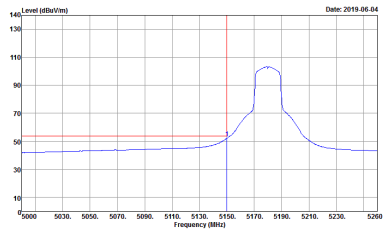
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

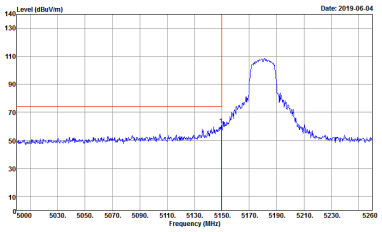
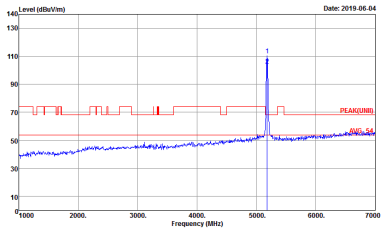
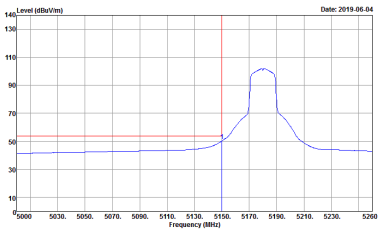
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 3 Setting : I9	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 3 Setting : I9
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 3 Setting : I9	Left blank

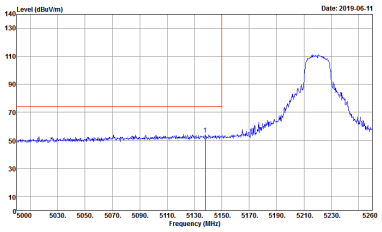
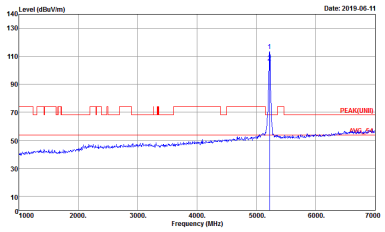
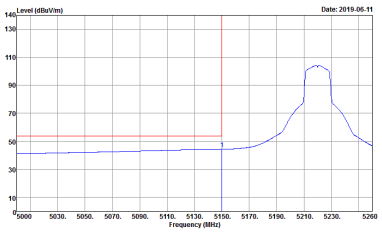
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

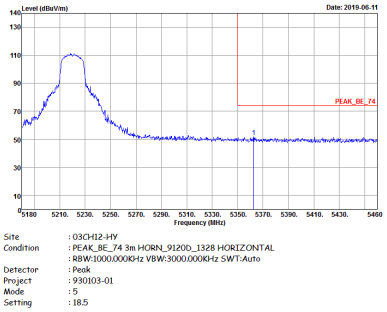
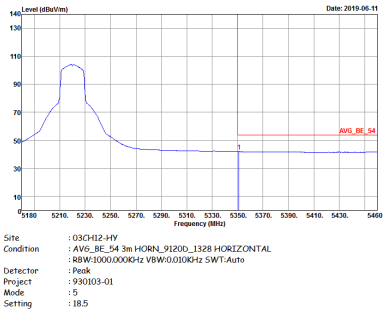
Band 1 5150~5250MHz

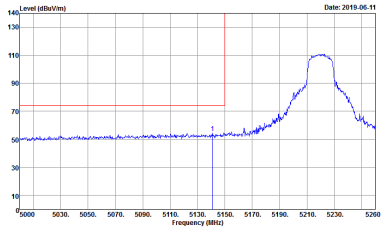
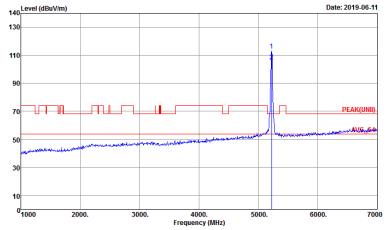
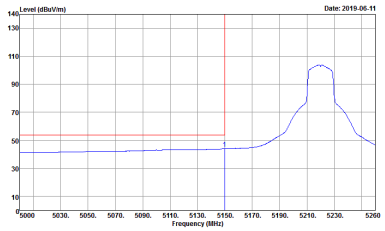
WIFI 802.11n HT20 (Band Edge @ 3m)

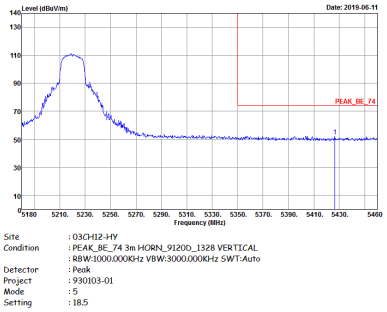
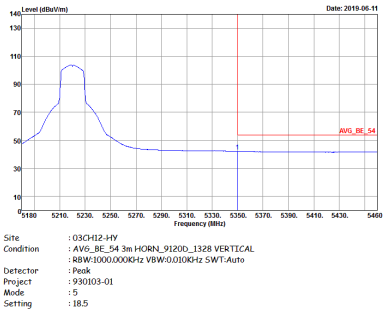
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_8E_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AV6_8E_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5	Left blank

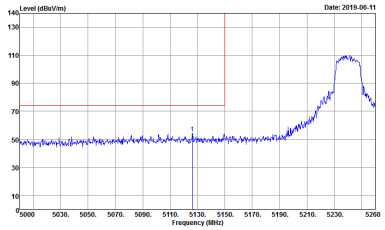
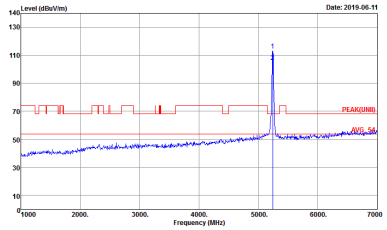
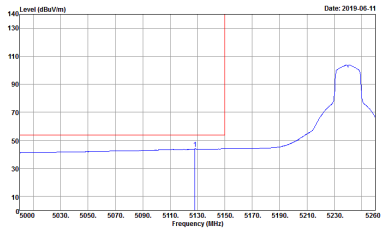
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5	Left blank

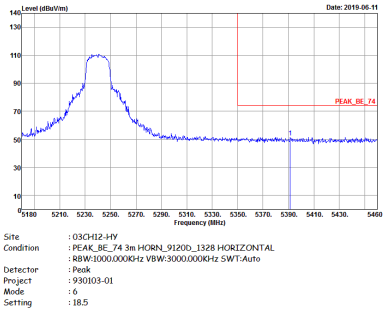
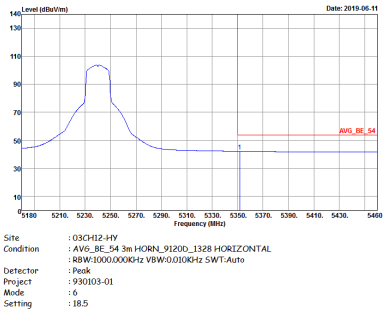
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 5 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 5 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 5 Setting : 18.5	Left blank

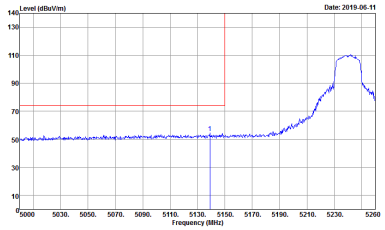
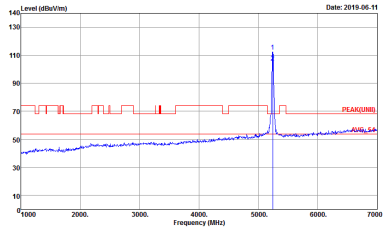
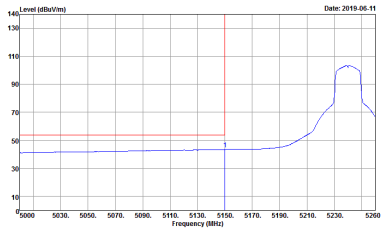
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

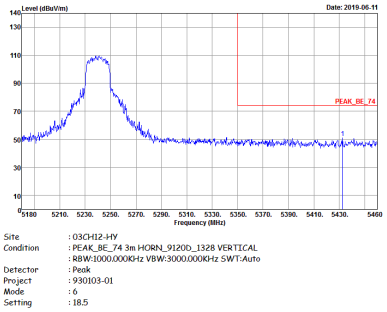
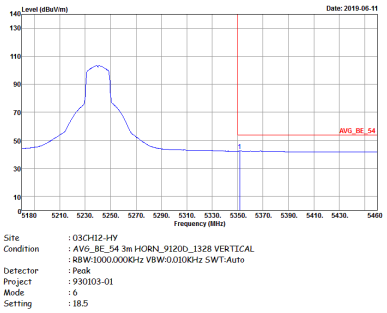
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 5 Setting : 18.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 5 Setting : 18.5
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 5 Setting : 18.5	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 : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 6 Setting : 18.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 6 Setting : 18.5
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 6 Setting : 18.5	Left blank

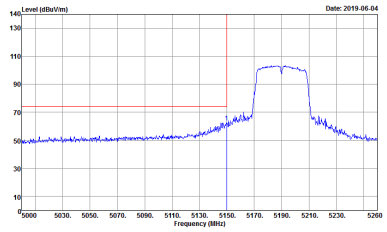
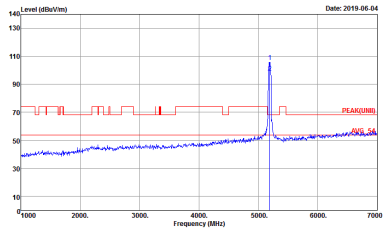
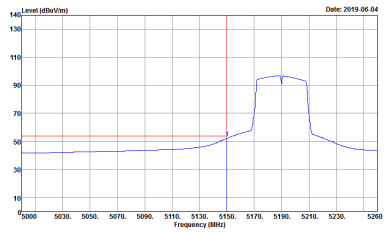
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

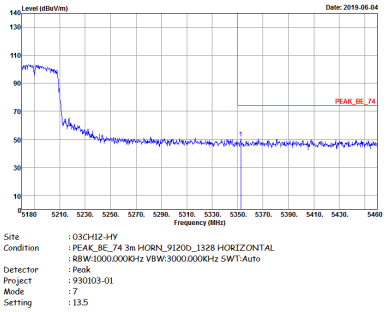
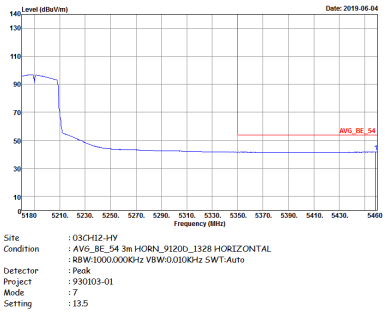
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 6 Setting : 18.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 6 Setting : 18.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 6 Setting : 18.5	Left blank

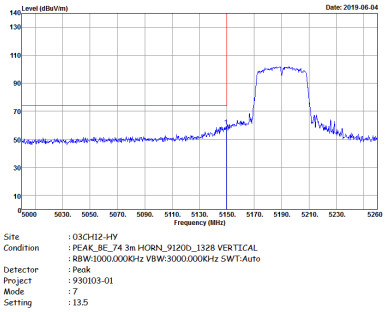
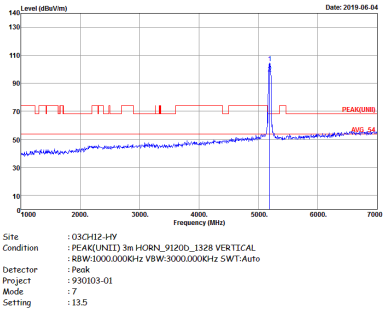
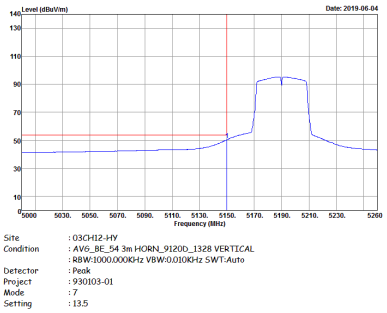
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

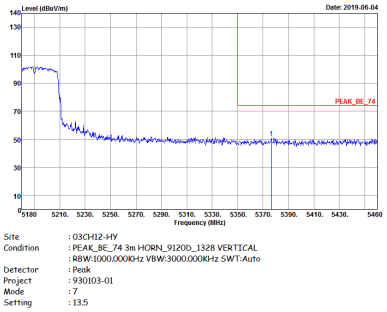
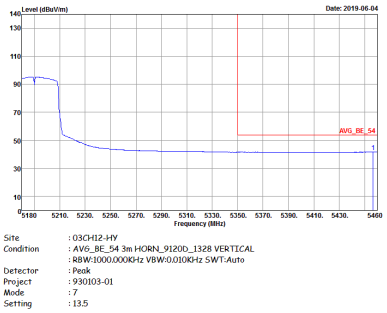
Band 1 5150~5250MHz

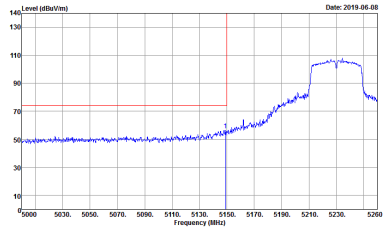
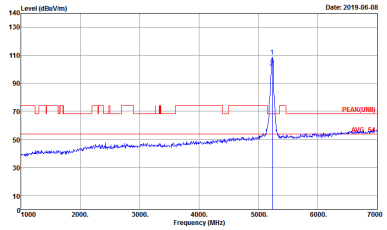
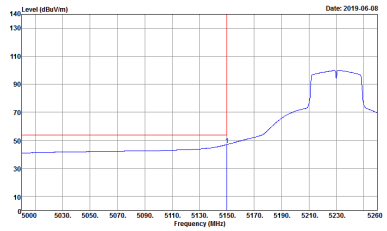
WIFI 802.11n HT40 (Band Edge @ 3m)

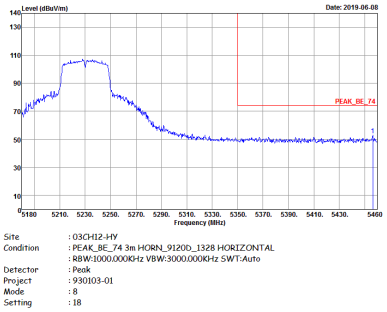
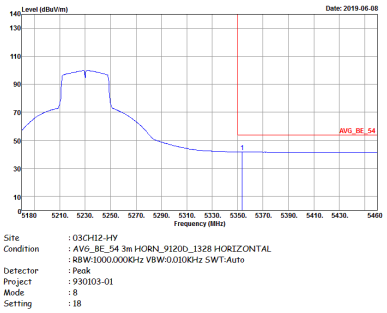
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 7 Setting : 13.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 7 Setting : 13.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 7 Setting : 13.5	Left blank

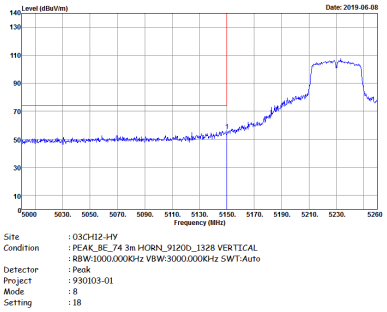
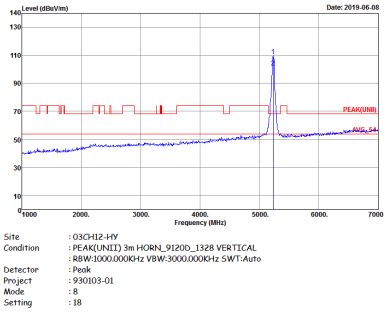
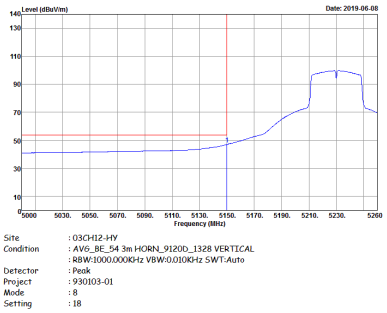
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

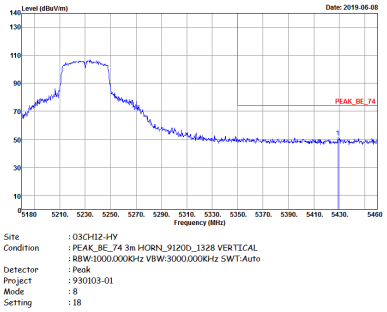
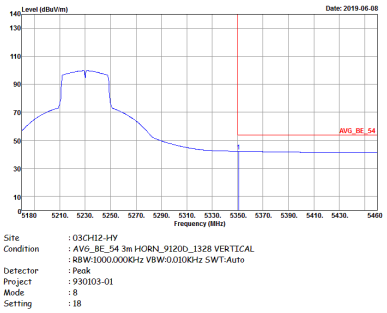
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

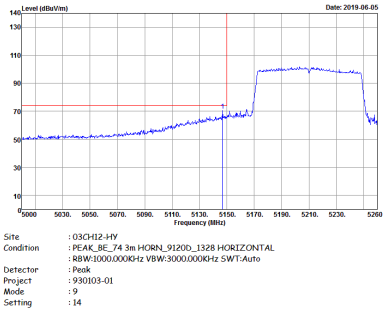
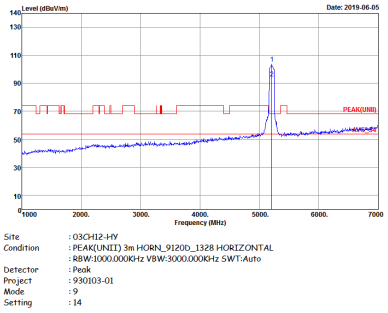
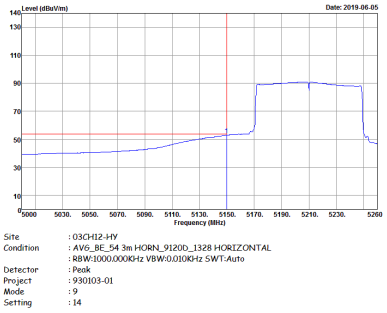
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 8 Setting : 18	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 8 Setting : 18
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 8 Setting : 18	Left blank

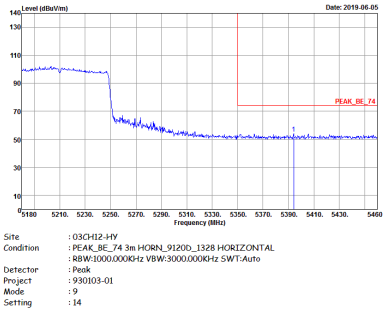
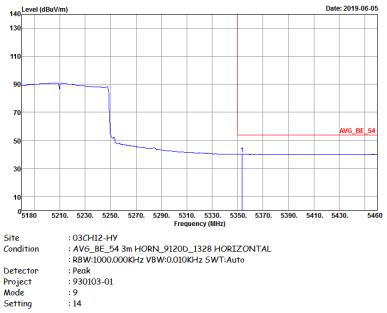
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

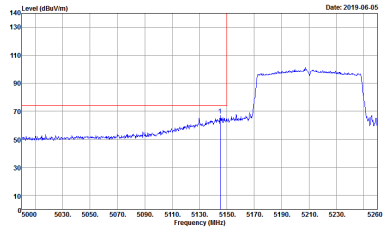
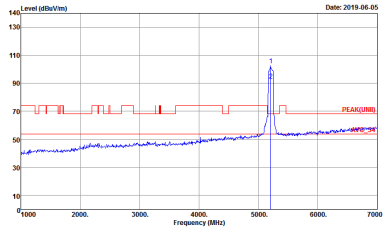
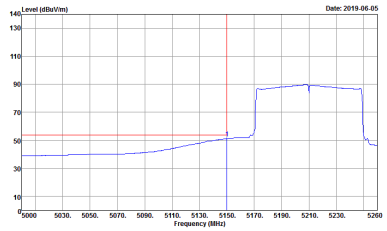
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

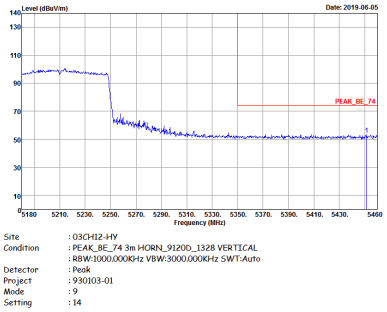
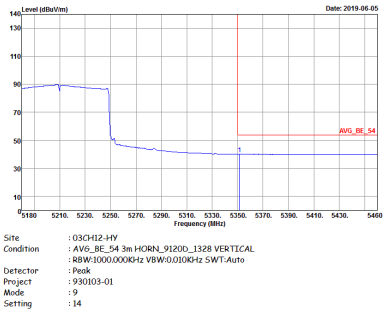
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

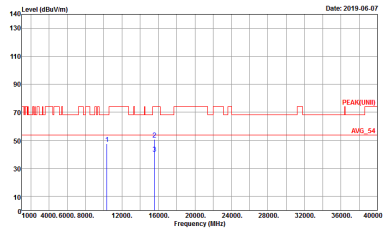
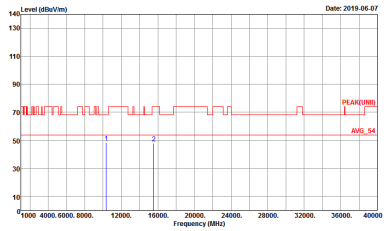
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

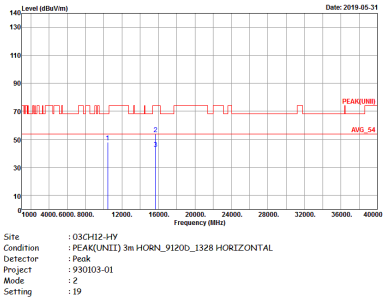
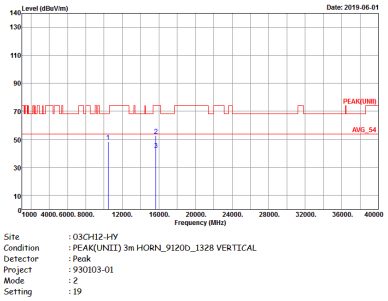
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 9 Setting : 14	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 9 Setting : 14
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 9 Setting : 14	Left blank

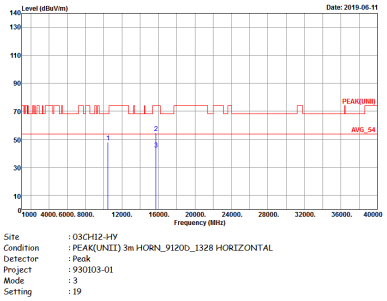
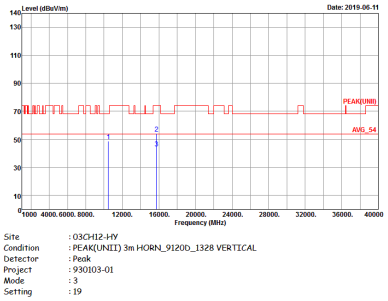
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

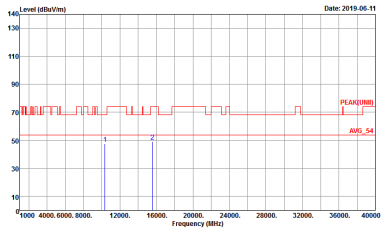
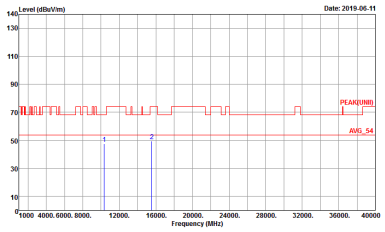
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 1 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 1 Setting : 18

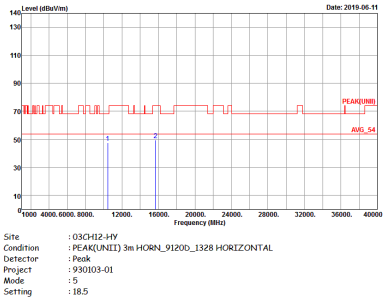
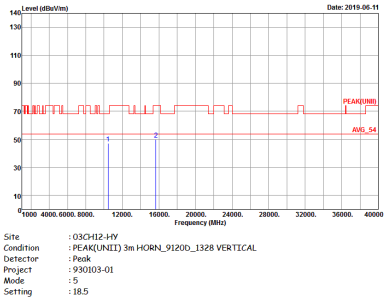
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 2 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 2 Setting : 19

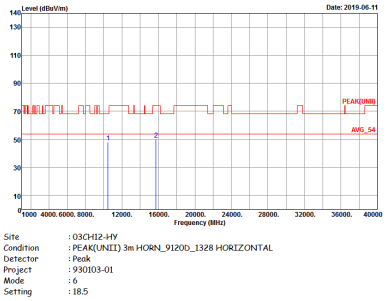
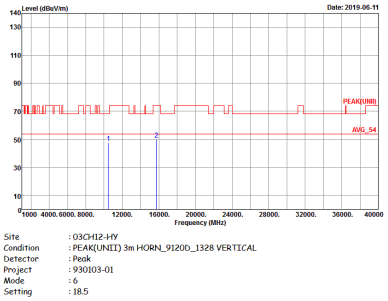
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

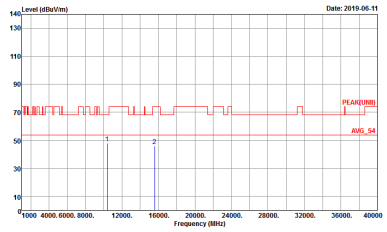
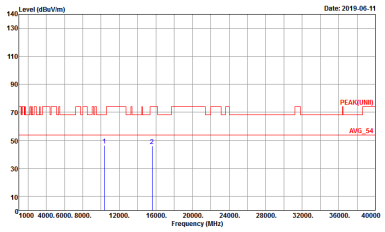
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 4 Setting : 17.5

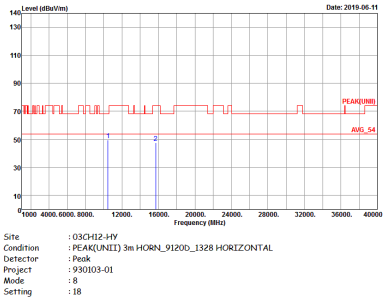
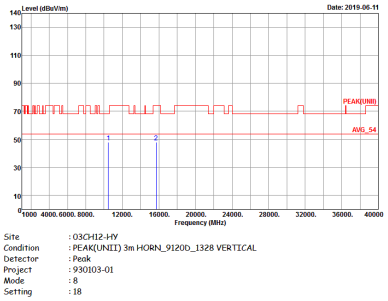
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

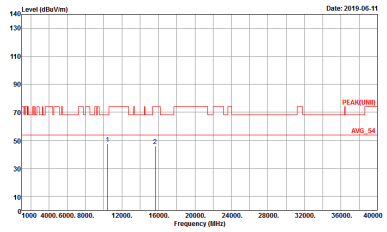
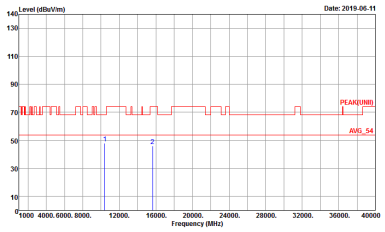
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 7 Setting : 13.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 7 Setting : 13.5

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

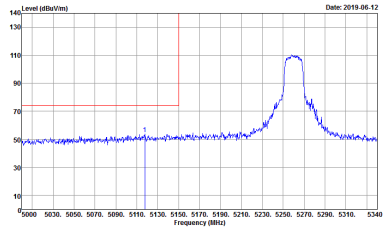
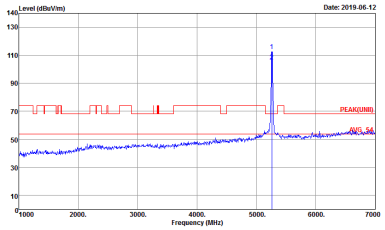
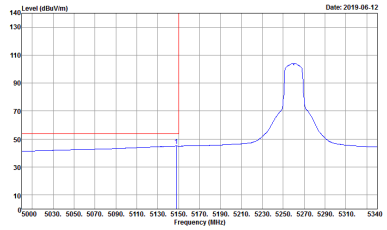
Band 1 5150~5250MHz

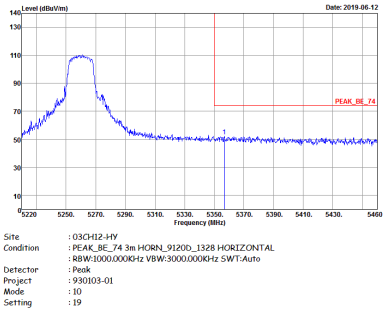
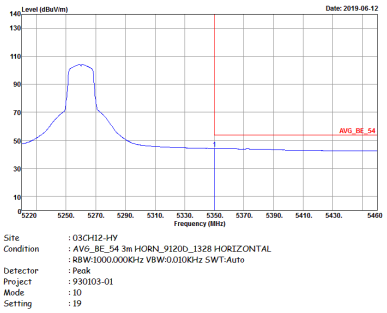
WIFI 802.11ac VHT80 (Harmonic @ 3m)

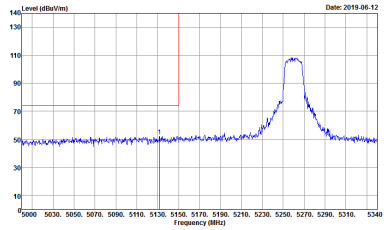
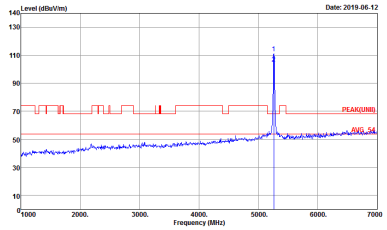
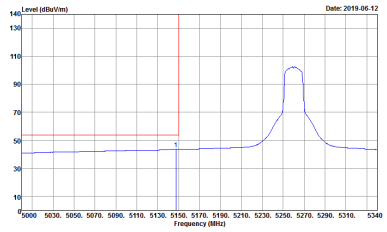
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 9 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 9 Setting : 14

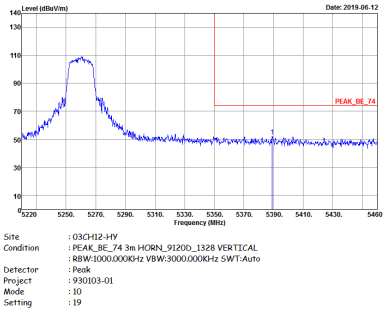
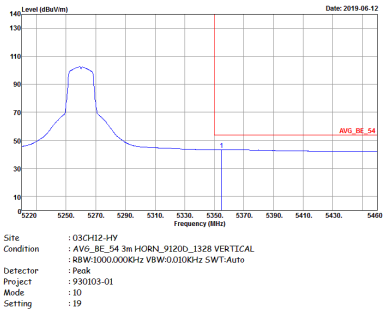
Band 2 - 5250~5350MHz

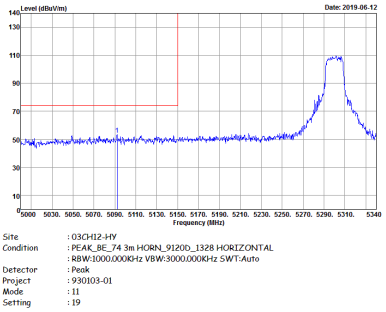
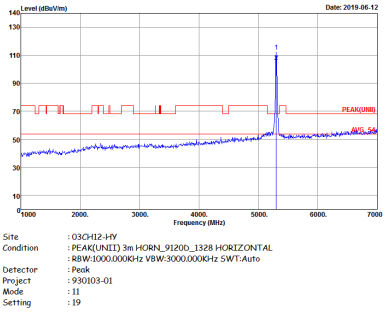
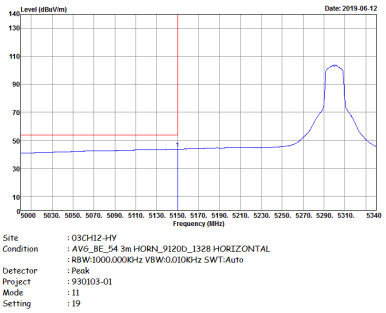
WIFI 802.11a (Band Edge @ 3m)

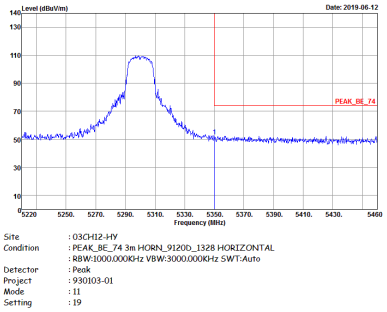
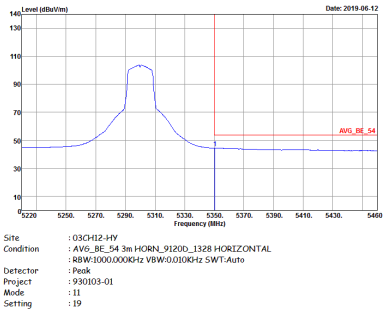
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 10 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 10 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 10 Setting : 19	Left blank

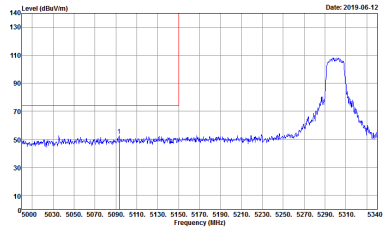
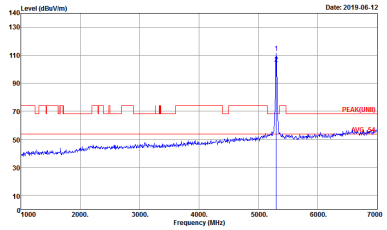
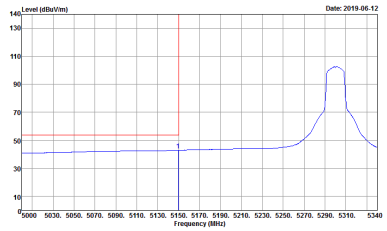
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

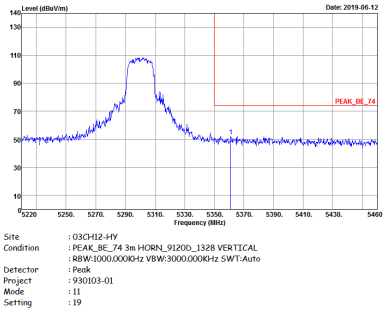
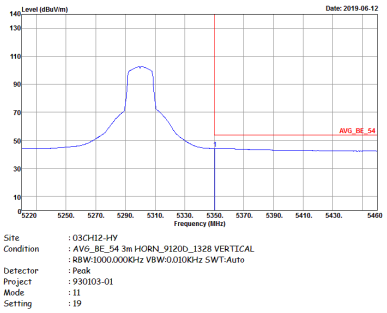
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 10 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 10 Setting : 19
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 10 Setting : 19	Left blank

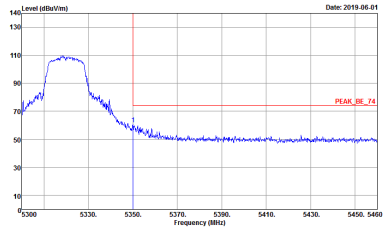
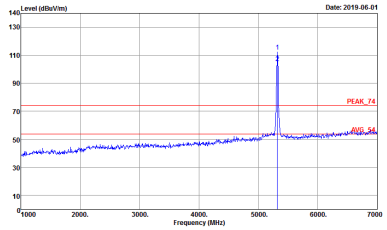
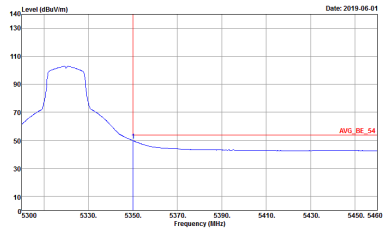
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

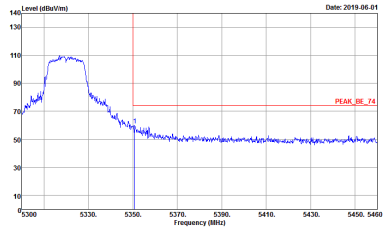
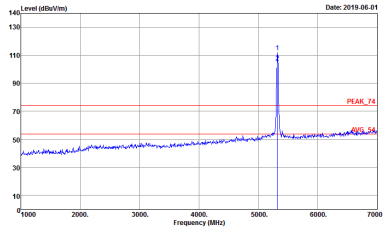
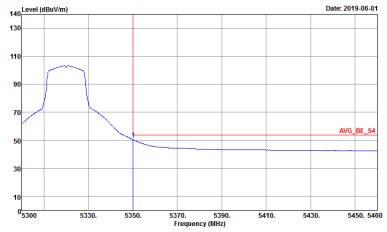
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 11 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 11 Setting : 19
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 11 Setting : 19	Left blank

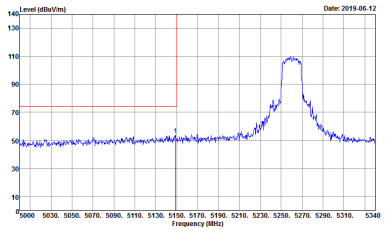
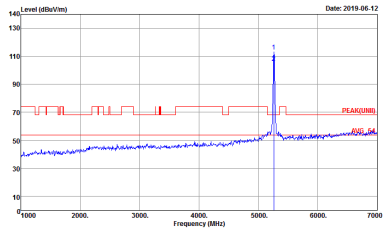
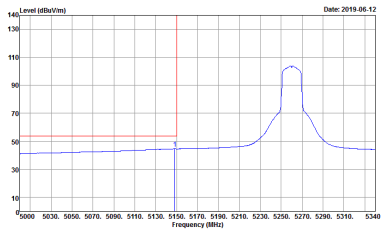
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

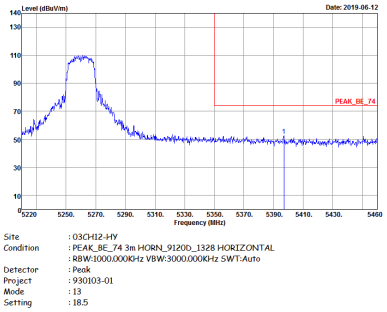
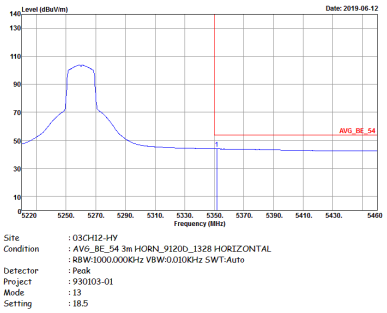
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 12 Setting : 19	 Site : 03CH12-HV Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 12 Setting : 19
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 12 Setting : 19	Left blank

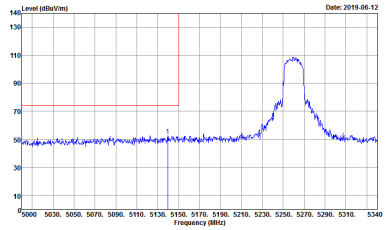
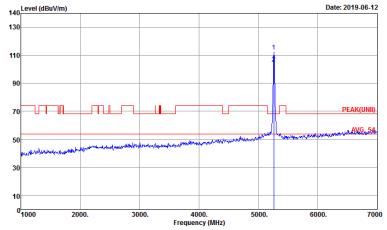
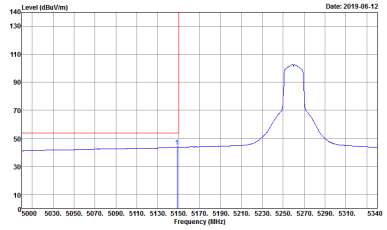
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 12 Setting : 19	 Site : 03CH12-HV Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 12 Setting : 19
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 12 Setting : 19	Left blank

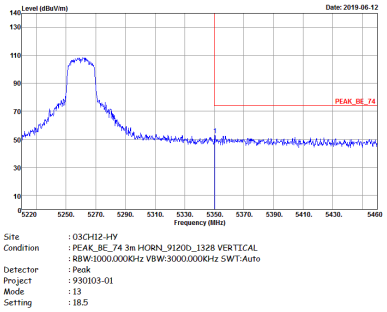
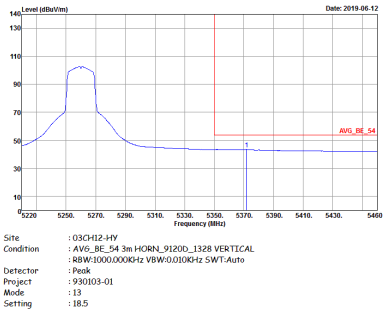
Band 2 5250~5350MHz

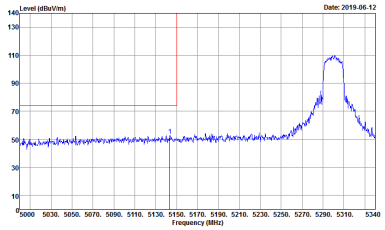
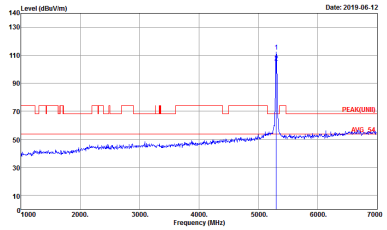
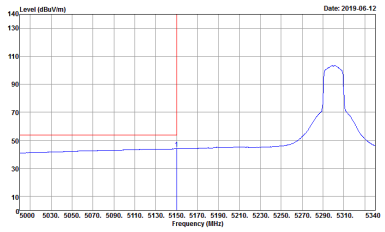
WIFI 802.11n HT20 (Band Edge @ 3m)

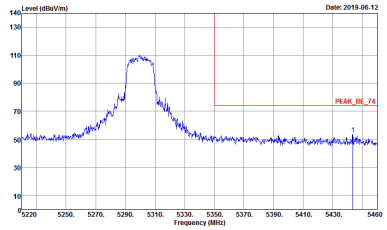
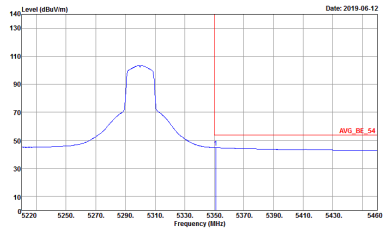
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5	Left blank

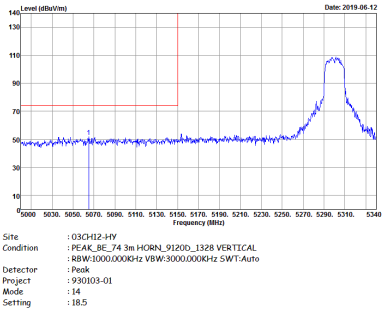
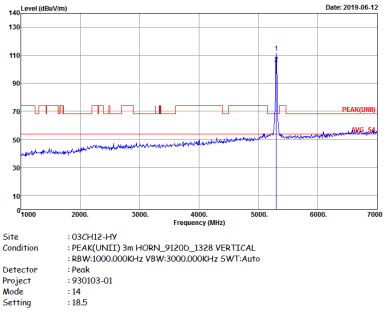
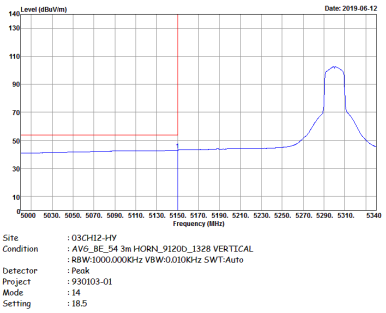
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

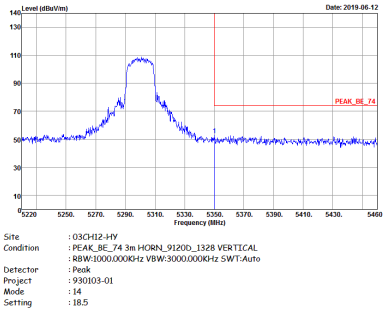
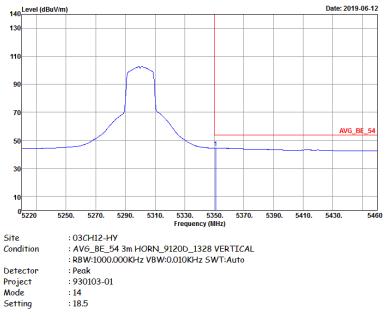
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5	Left blank

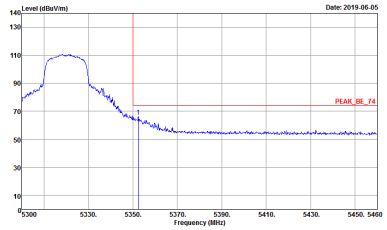
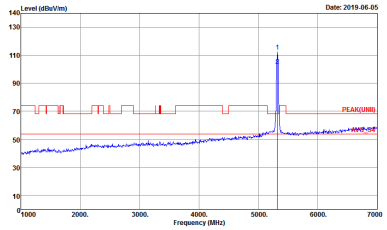
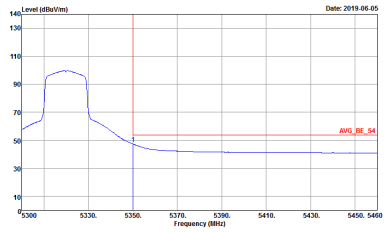
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

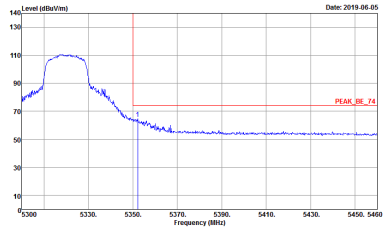
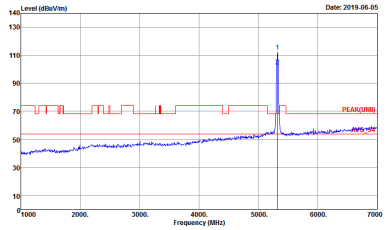
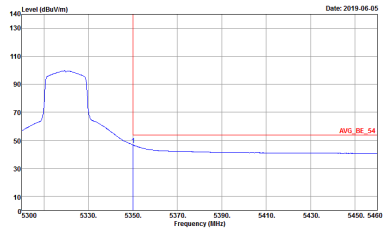
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 14 Setting : 18.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 14 Setting : 18.5
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 14 Setting : 18.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 14 Setting : 18.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 14 Setting : 18.5	Left blank

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

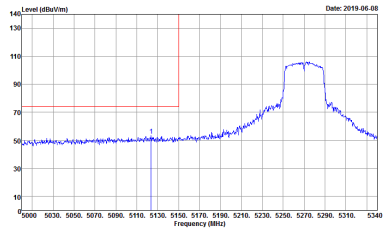
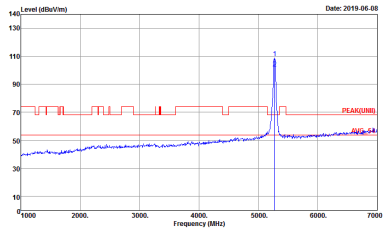
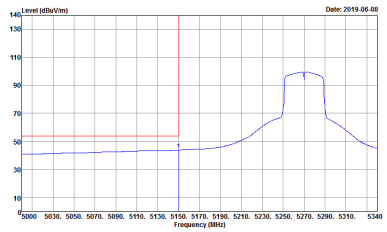
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

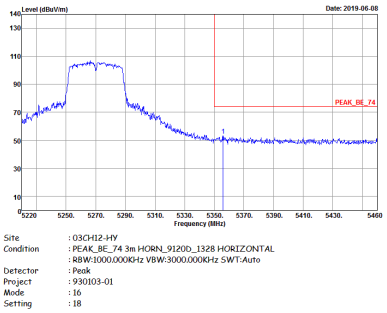
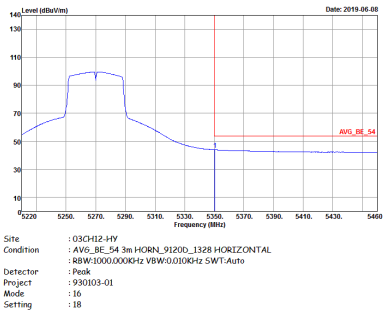
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 15 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 15 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 15 Setting : 18.5	Left blank

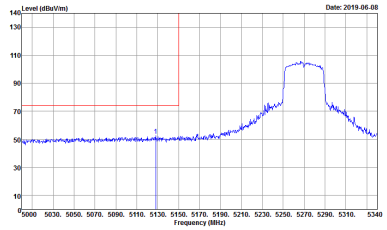
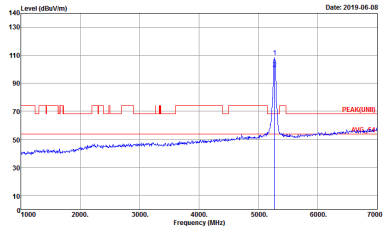
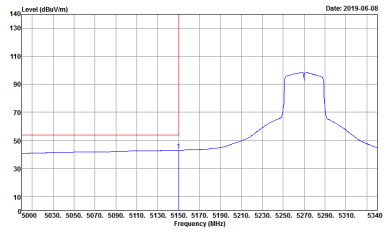
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 15 Setting : 18.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 15 Setting : 18.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 15 Setting : 18.5	Left blank

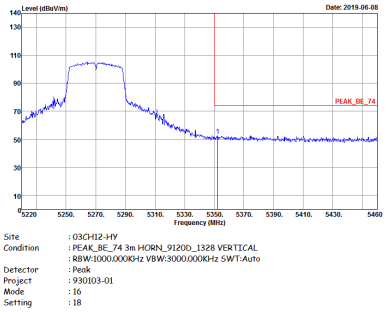
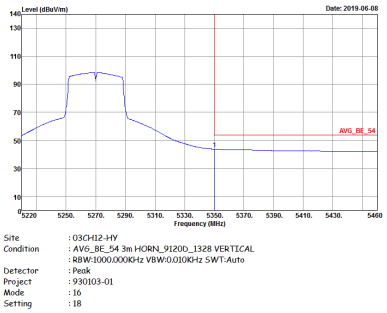
Band 2 5250~5350MHz

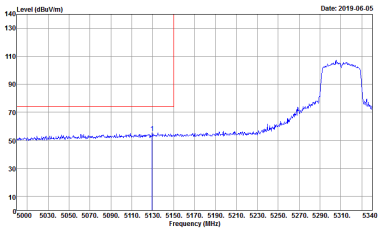
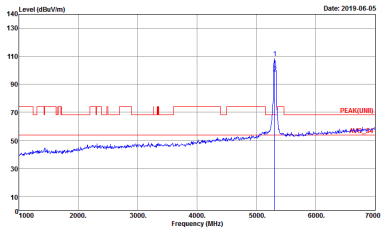
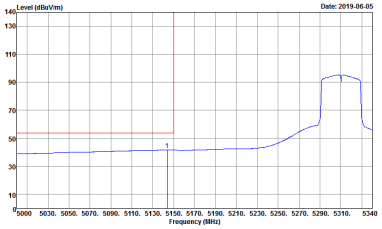
WIFI 802.11n HT40 (Band Edge @ 3m)

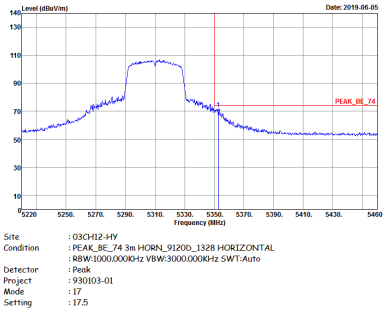
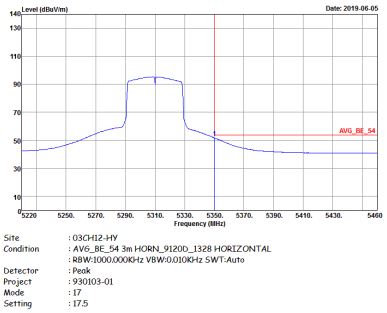
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_8E_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 16 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 16 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AV6_8E_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 16 Setting : 18	Left blank

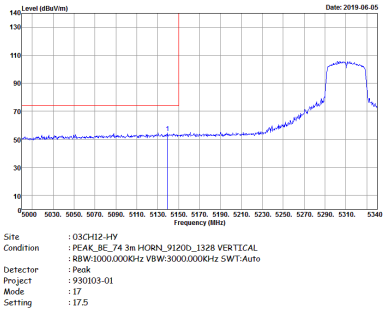
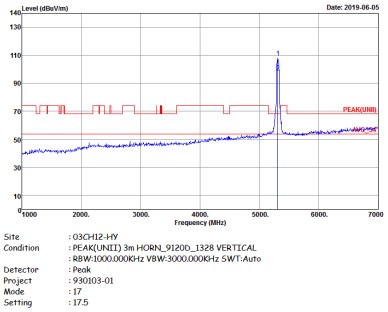
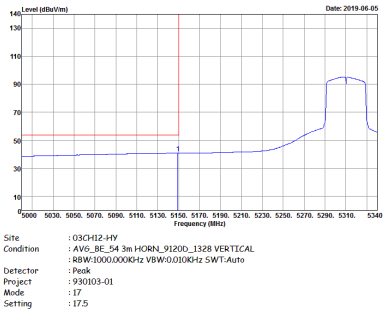
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

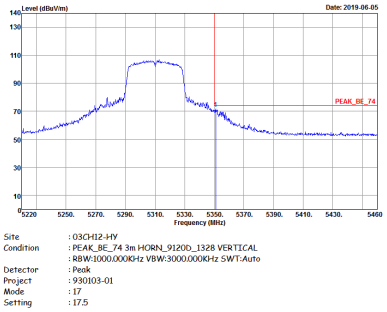
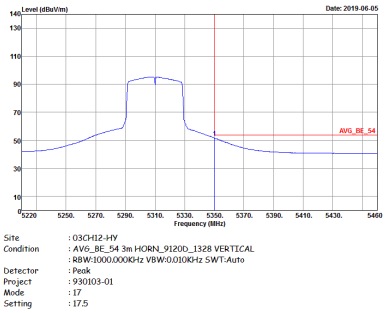
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 16 Setting : 18	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 16 Setting : 18
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 16 Setting : 18	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

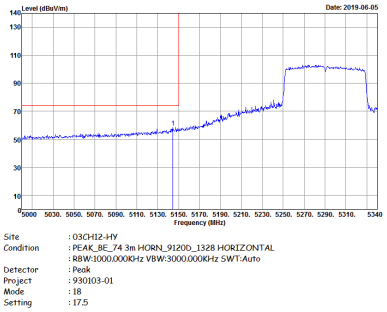
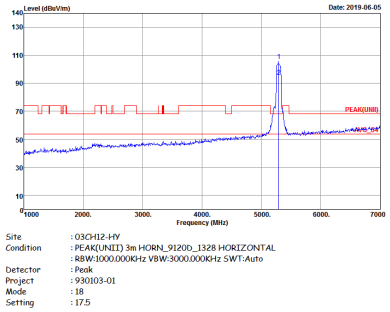
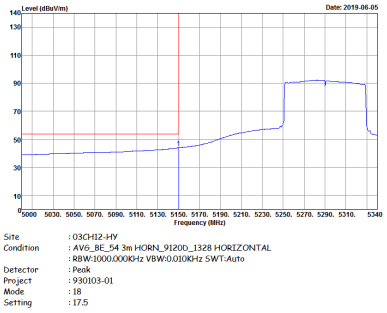
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 17 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 17 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 17 Setting : 17.5	Left blank

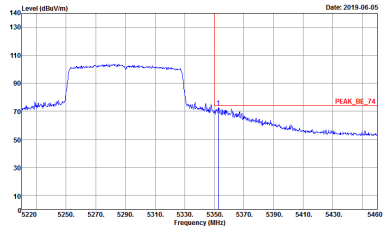
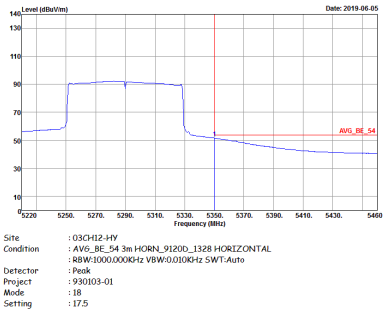
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

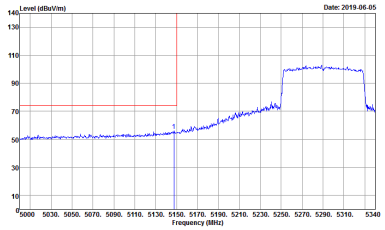
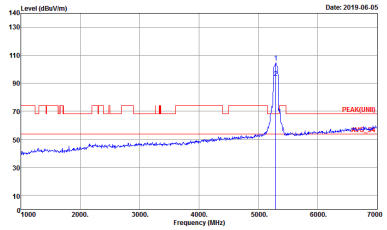
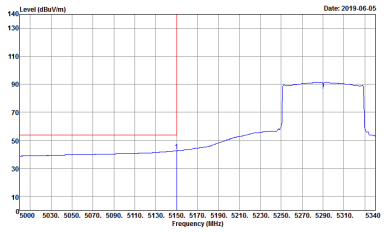
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

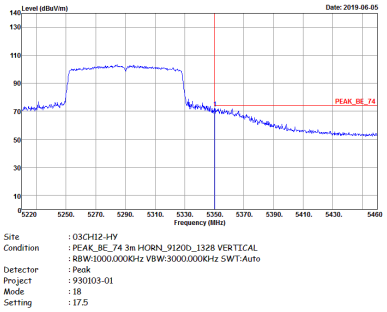
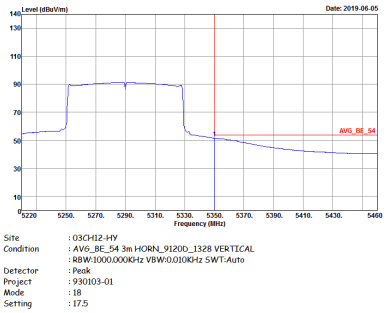
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

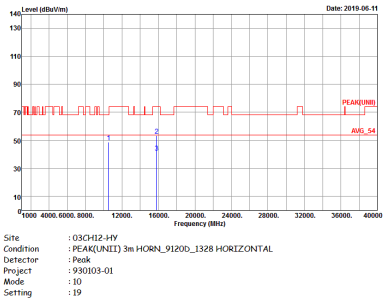
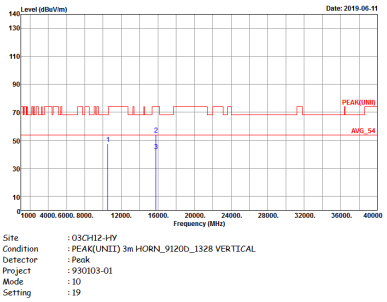
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

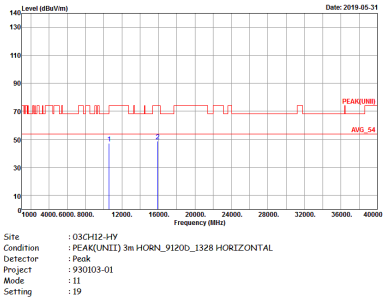
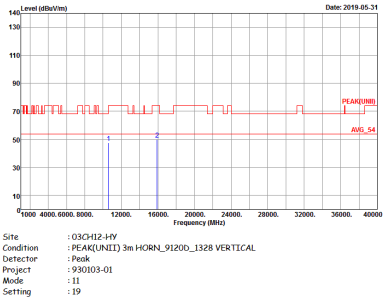
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 18 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 18 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 18 Setting : 17.5	Left blank

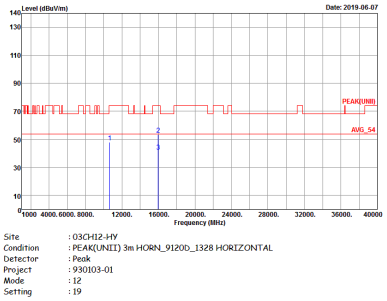
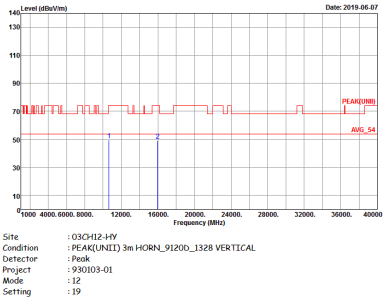
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

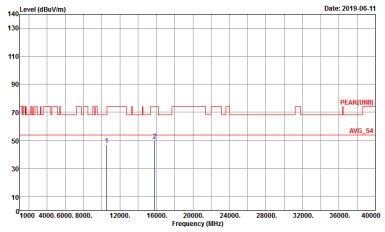
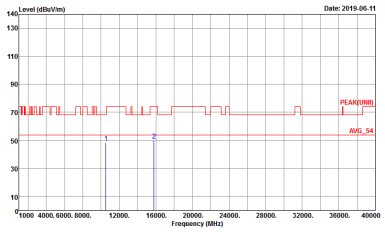
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 10 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 10 Setting : 19

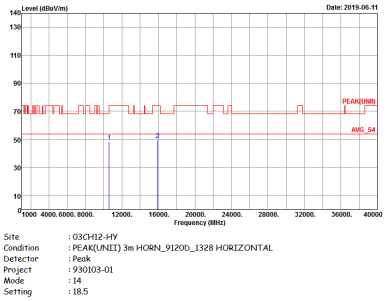
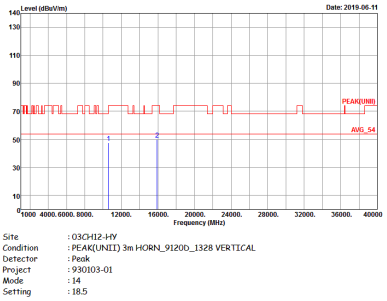
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 	

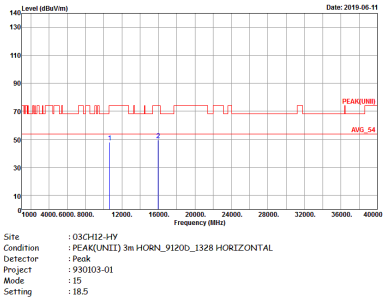
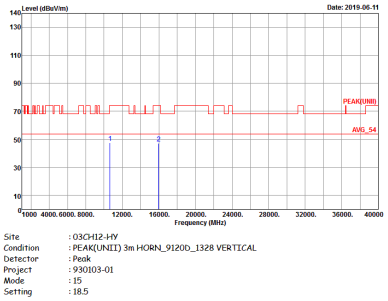
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 12 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 12 Setting : 19

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

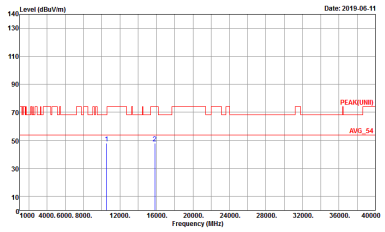
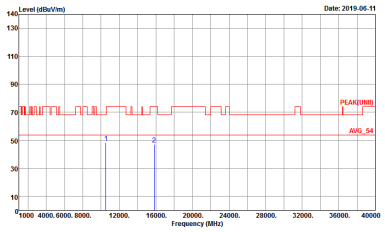
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 13 Setting : 18.5

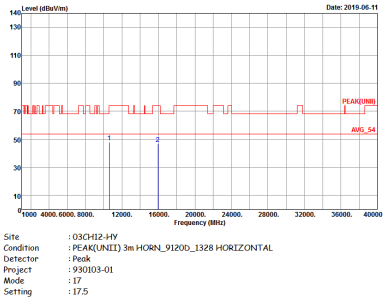
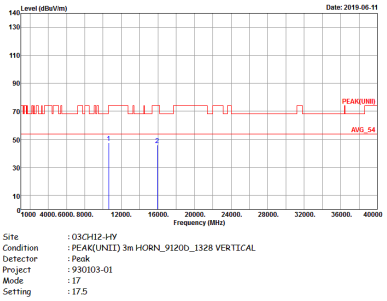
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 	

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

Band 2 5250~5350MHz

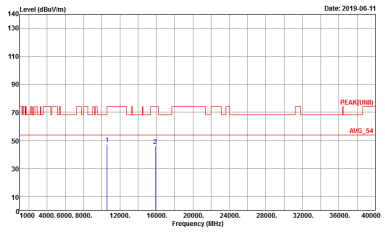
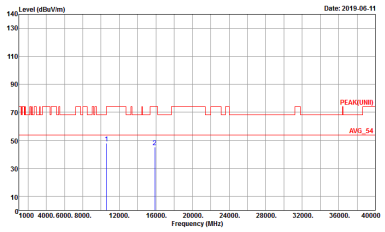
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 16 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 16 Setting : 18

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

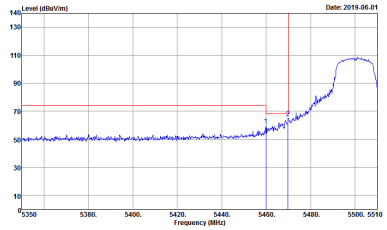
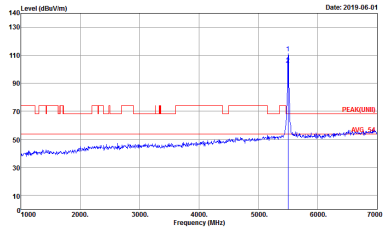
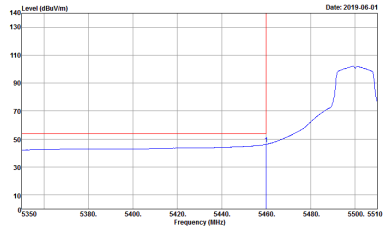
Band 2 5250~5350MHz

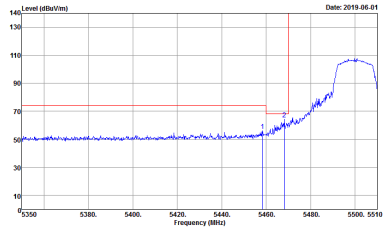
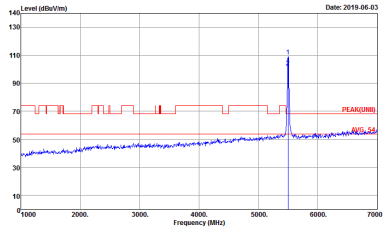
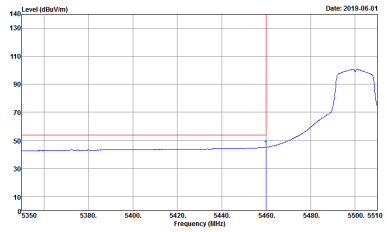
WIFI 802.11ac VHT80 (Harmonic @ 3m)

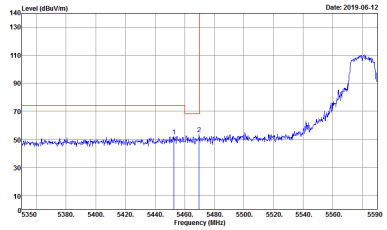
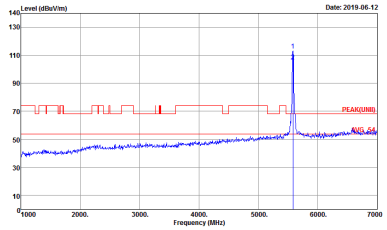
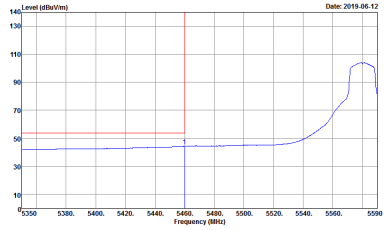
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 18 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 18 Setting : 17.5

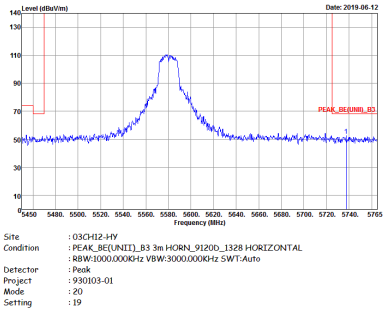
Band 3 - 5470~5725MHz

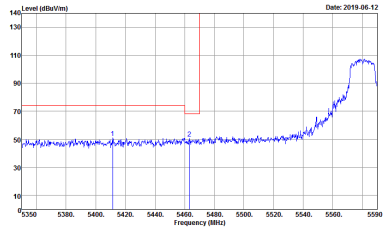
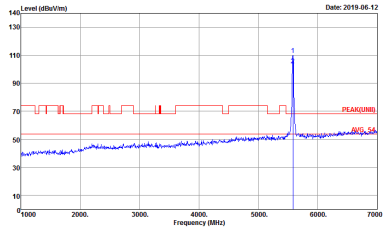
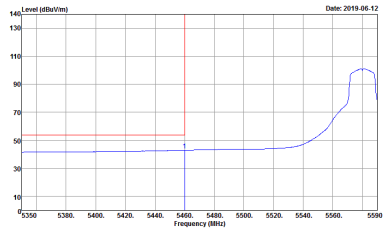
WIFI 802.11a (Band Edge @ 3m)

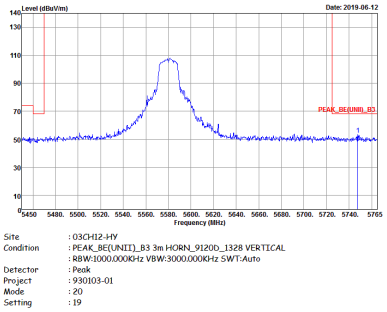
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5	Left blank

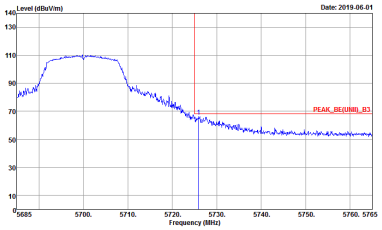
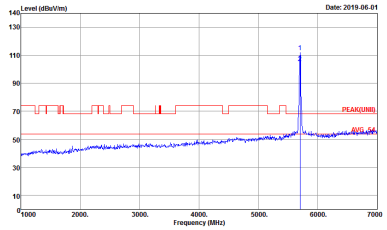
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5	Left blank

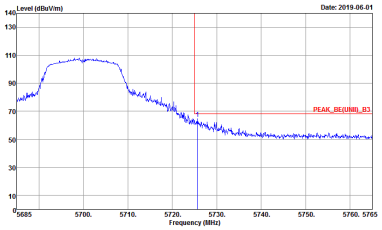
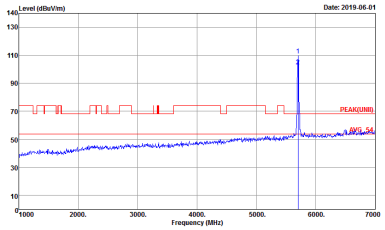
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 20 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 20 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 20 Setting : 19	Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 20 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 20 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 20 Setting : 19	Left blank

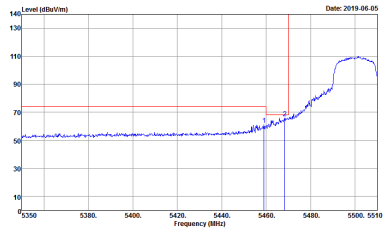
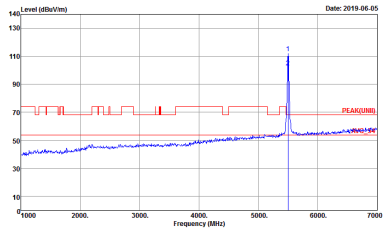
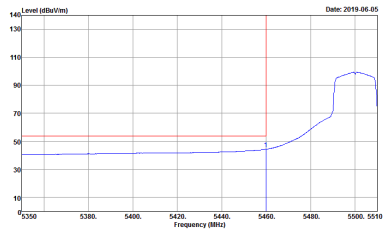
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

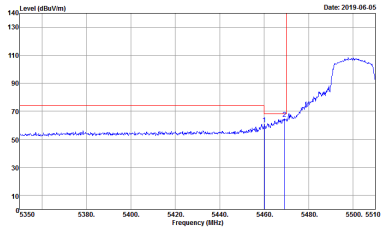
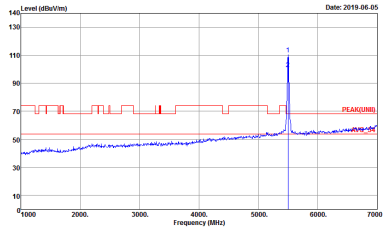
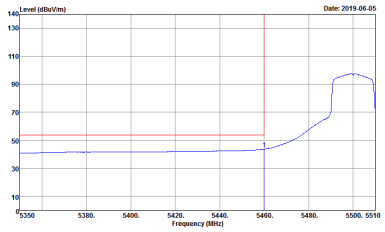
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 21 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 21 Setting : 18

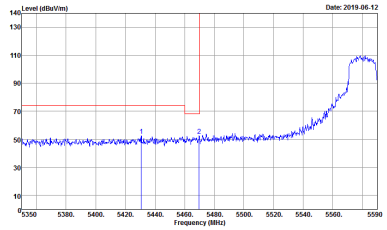
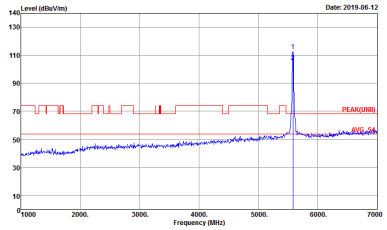
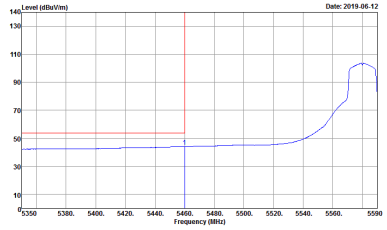
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 21 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 21 Setting : 18

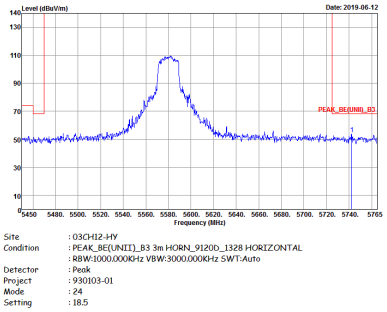
Band 3 5470~5725MHz

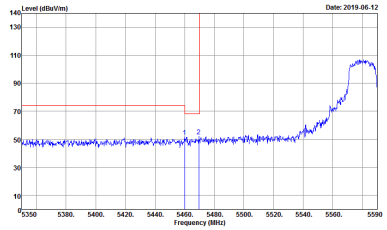
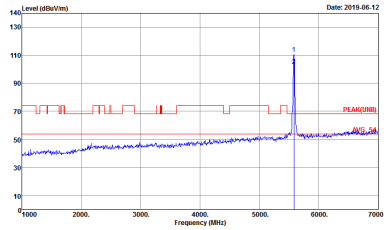
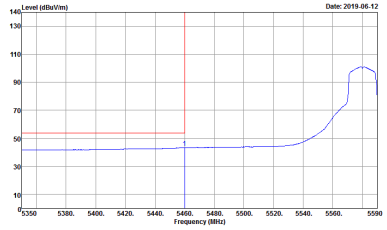
WIFI 802.11n HT20 (Band Edge @ 3m)

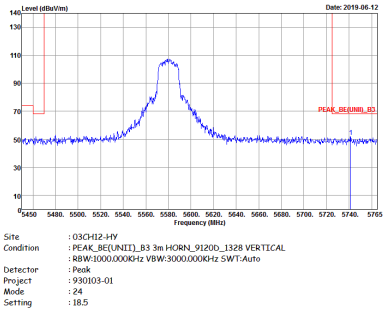
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 23 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 23 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 23 Setting : 18	Left blank

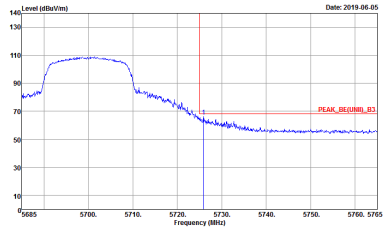
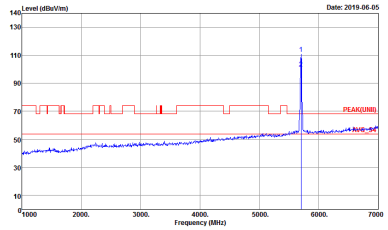
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 23 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 23 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 23 Setting : 18	Left blank

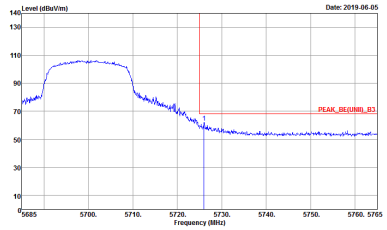
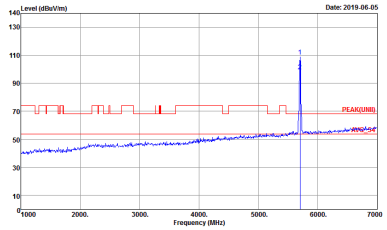
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 24 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 24 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 24 Setting : 18.5	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 : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 24 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 24 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 24 Setting : 18.5	Left blank

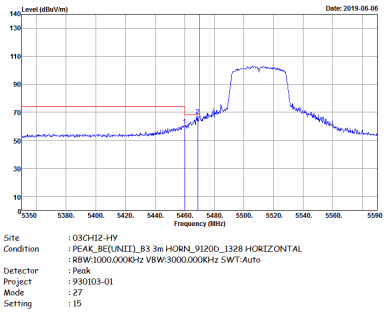
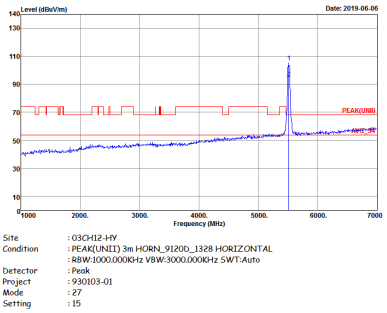
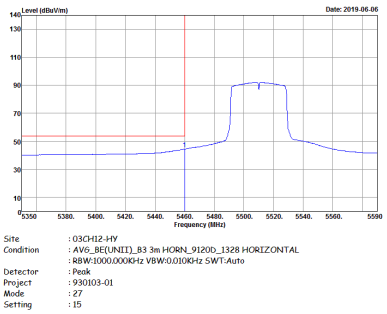
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

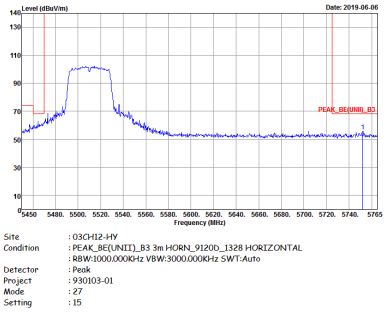
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

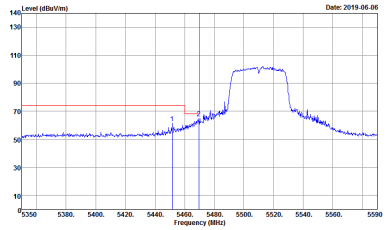
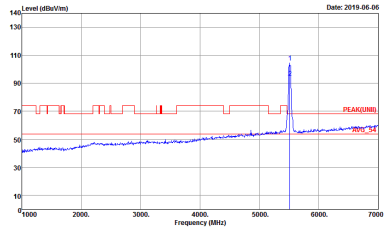
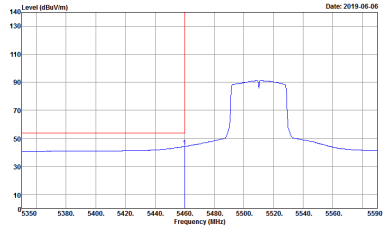
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH12-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 25 Setting : 16	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 25 Setting : 16

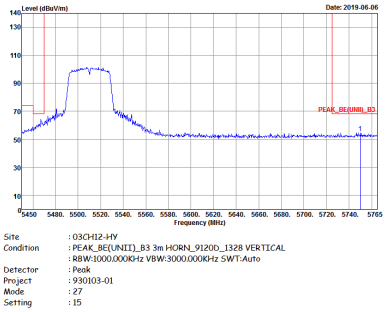
Band 3 5470~5725MHz

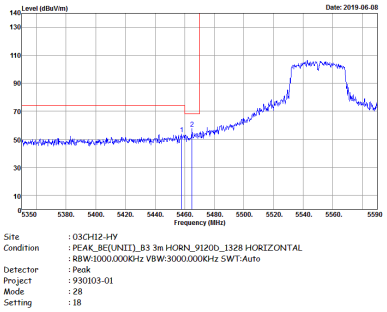
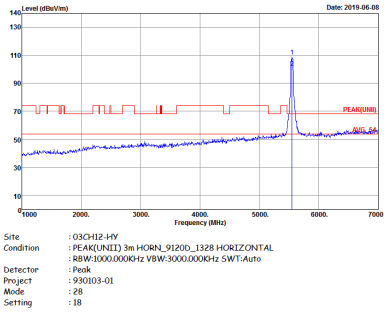
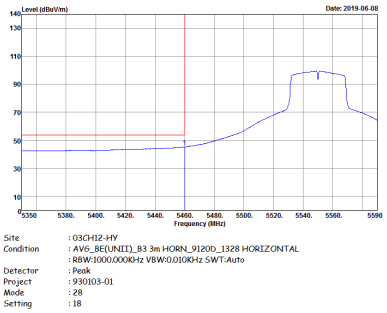
WIFI 802.11n HT40 (Band Edge @ 3m)

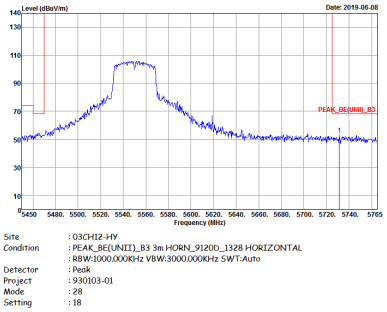
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

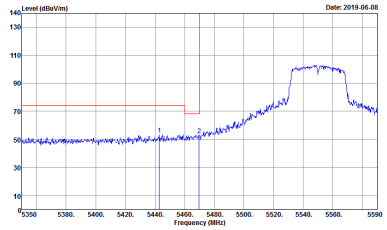
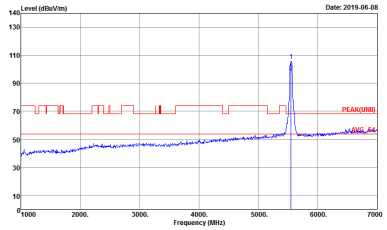
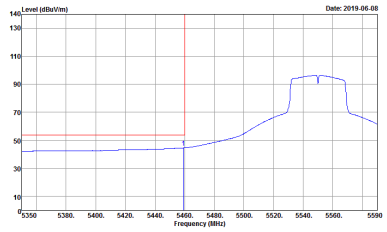
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

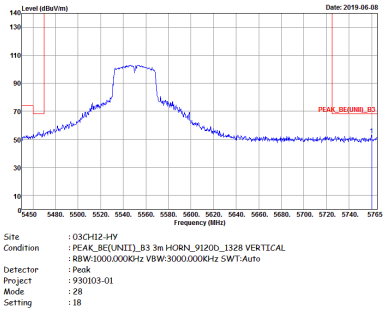
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 27 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 27 Setting : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 27 Setting : 15	Left blank

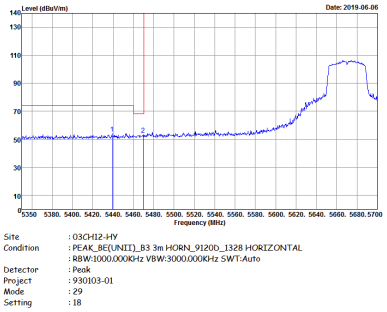
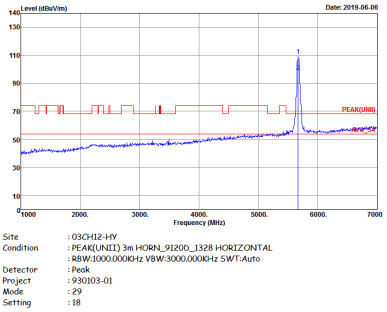
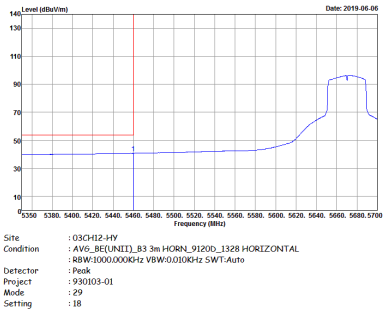
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

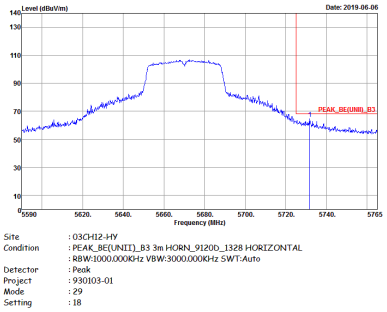
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

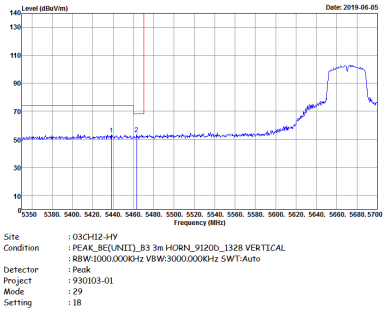
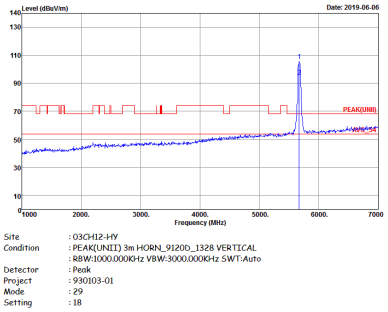
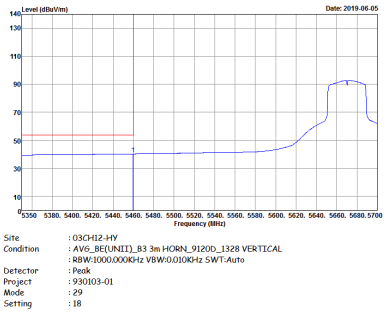
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

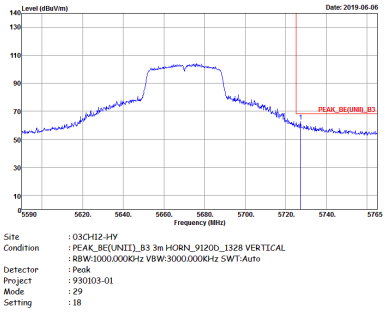
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 28 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 28 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 28 Setting : 18	Left blank

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

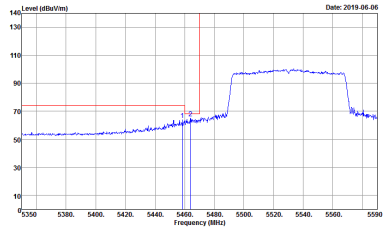
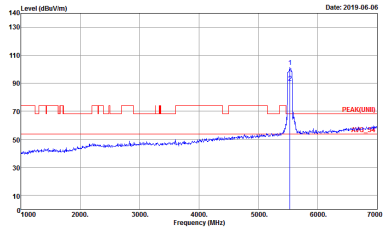
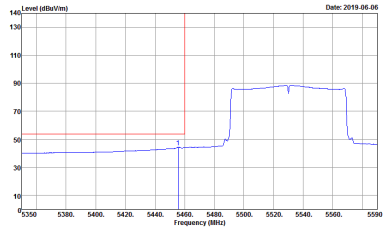
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

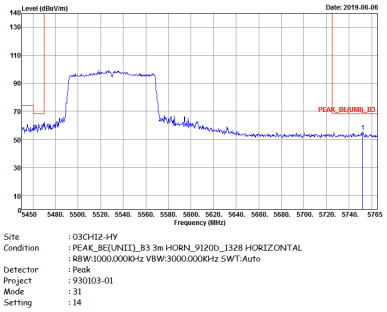
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

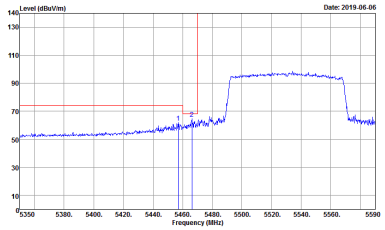
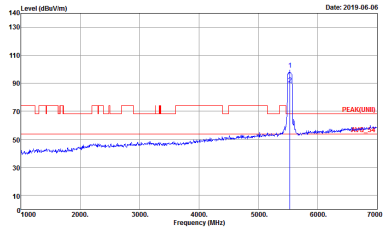
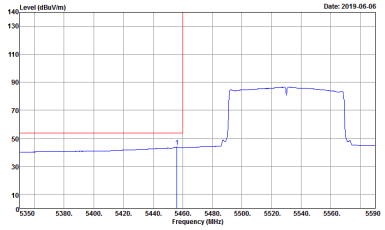
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

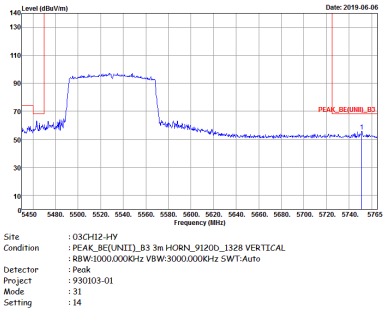
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

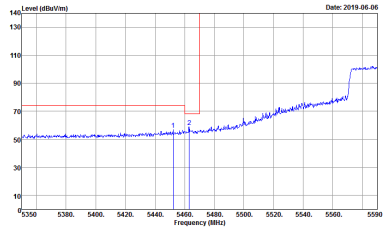
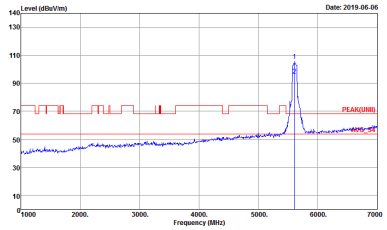
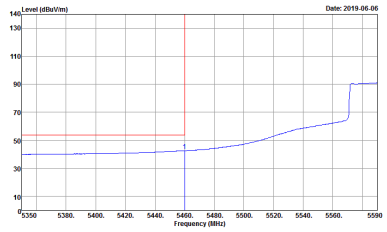
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

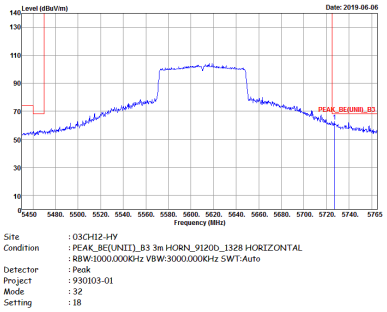
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 31 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 31 Setting : 14
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 31 Setting : 14	Left blank

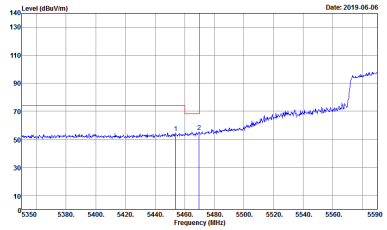
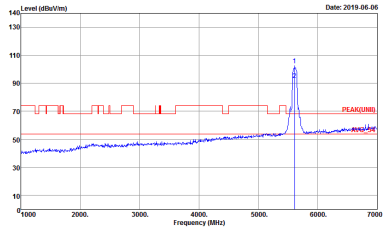
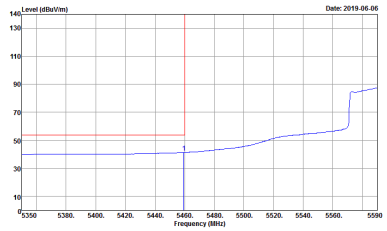
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

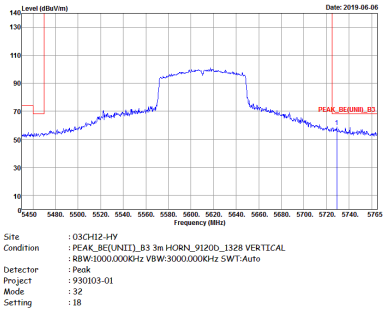
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 31 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 31 Setting : 14
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 31 Setting : 14	Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 32 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 32 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 32 Setting : 18	Left blank

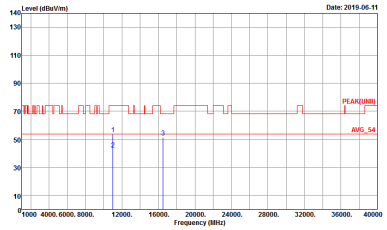
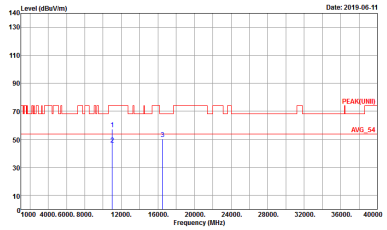
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

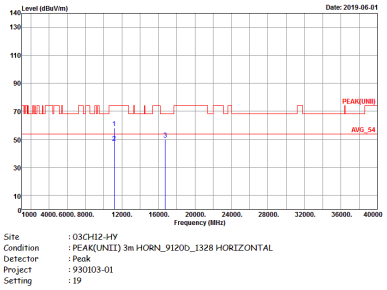
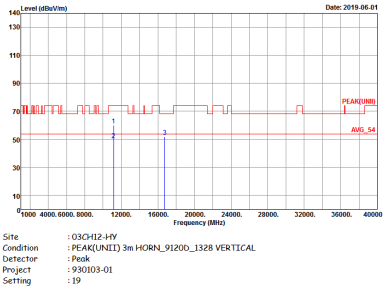
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 32 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 32 Setting : 18
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 32 Setting : 18	Left blank

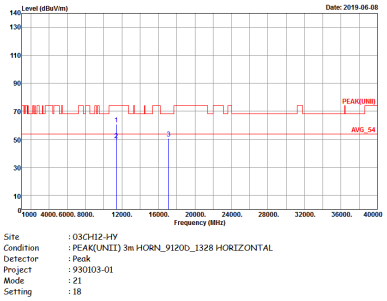
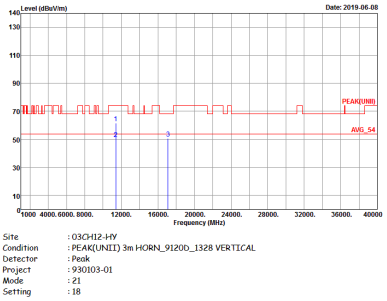
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

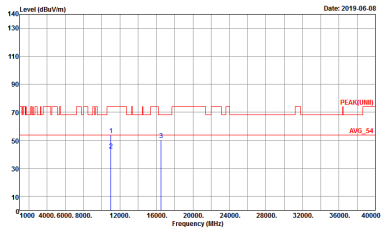
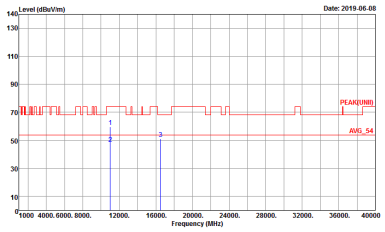
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 19 Setting : 18.5

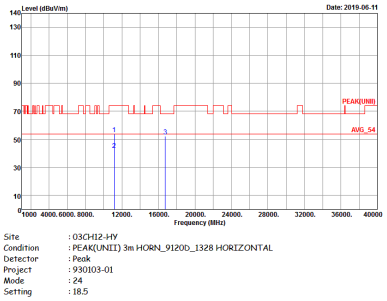
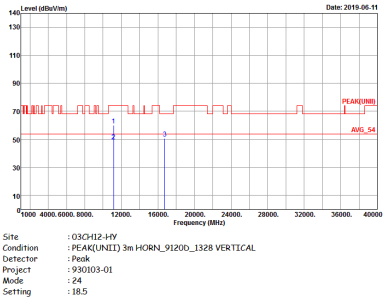
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Setting : 19

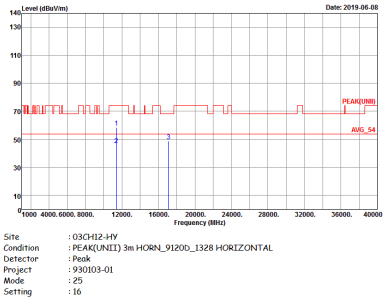
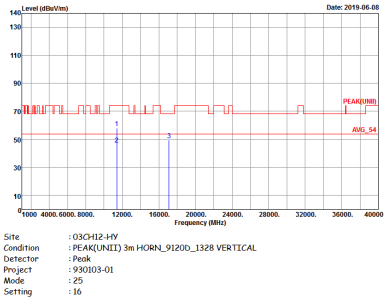
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 21 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 21 Setting : 18

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

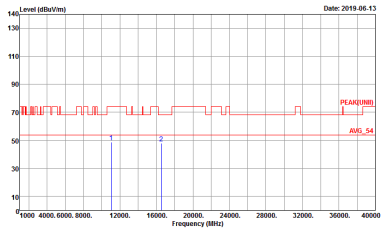
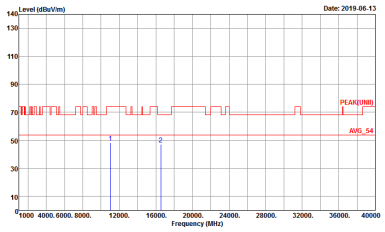
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 23 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 23 Setting : 18

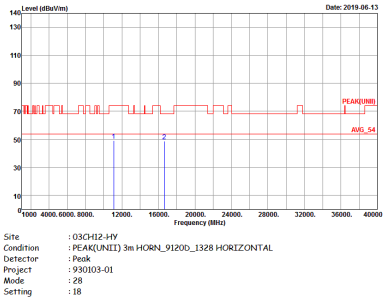
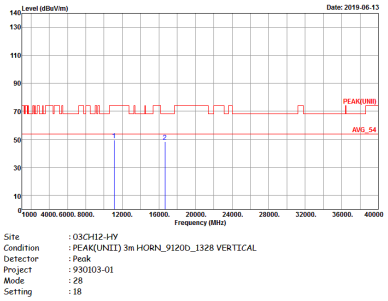
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 	

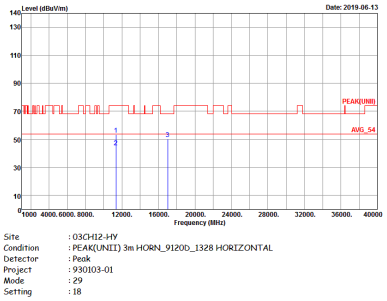
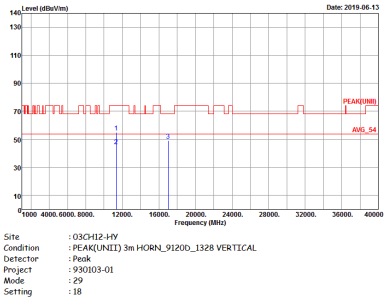
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

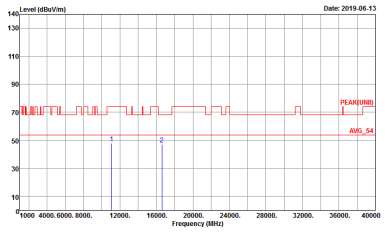
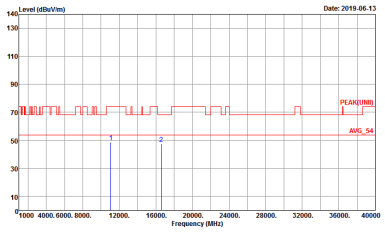
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 27 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 27 Setting : 15

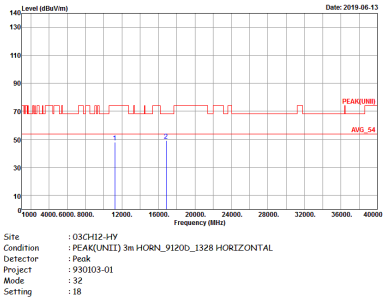
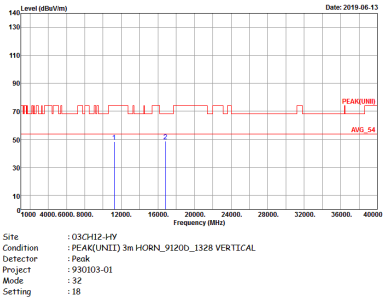
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 3 5470~5725MHz

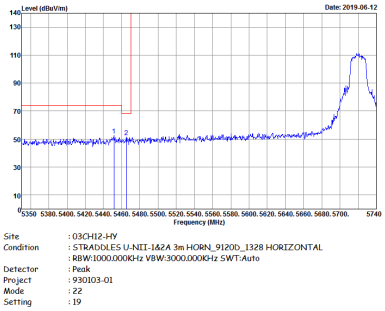
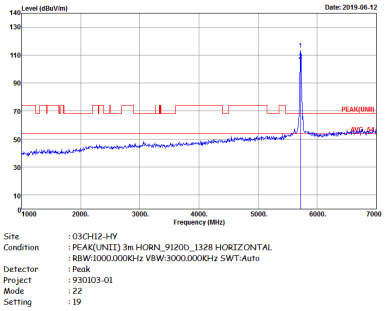
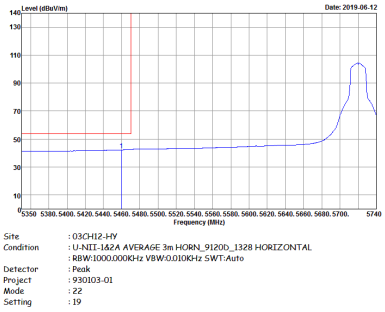
WIFI 802.11ac VHT80 (Harmonic @ 3m)

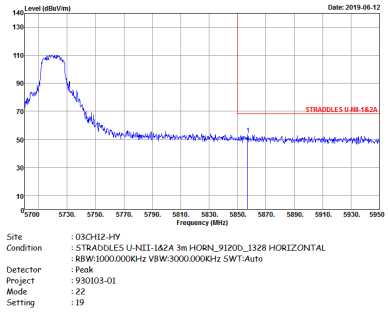
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 930103-01 Mode : 31 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 930103-01 Mode : 31 Setting : 14

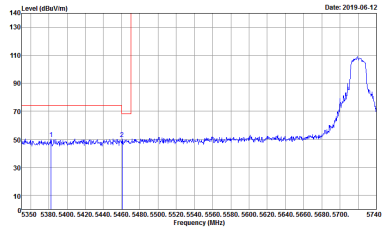
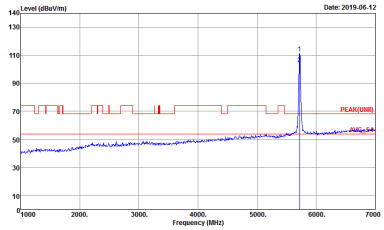
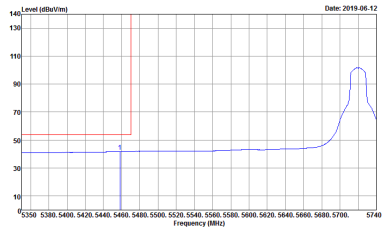
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.	 	

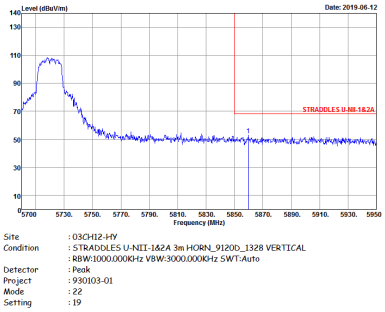
Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

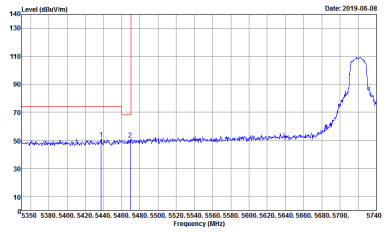
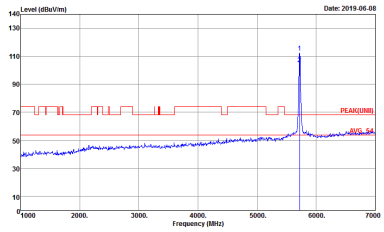
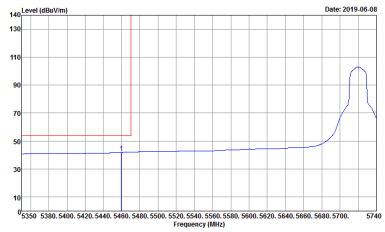
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

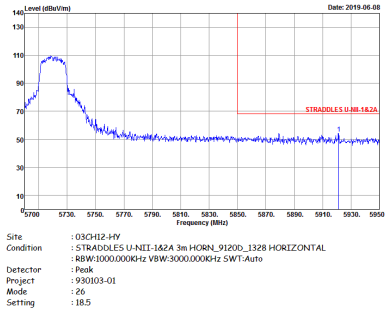
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 22 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 22 Setting : 19
Avg.	 Site : 03CH12-HY Condition : U-NII-1&2A AVERAGE 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 22 Setting : 19	Left blank

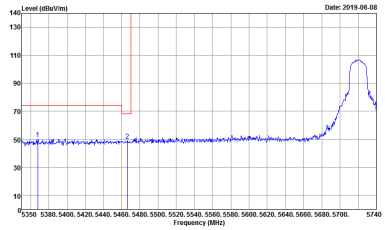
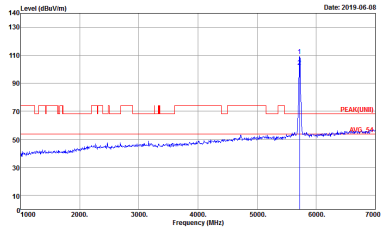
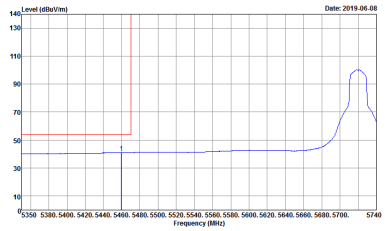
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak		Left blank

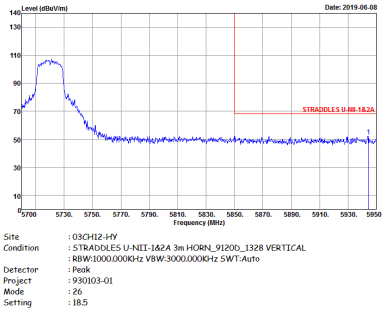
Band 3 – Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT20 CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 26 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 26 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : U-NII-1&2A AVERAGE 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 26 Setting : 18.5	Left blank

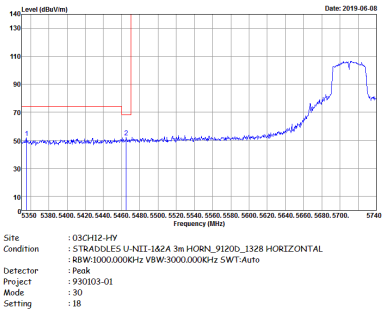
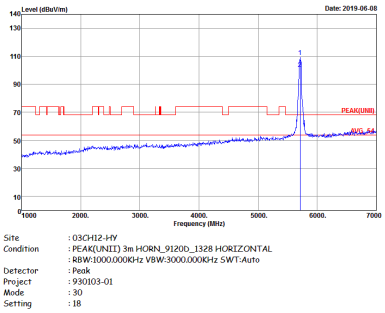
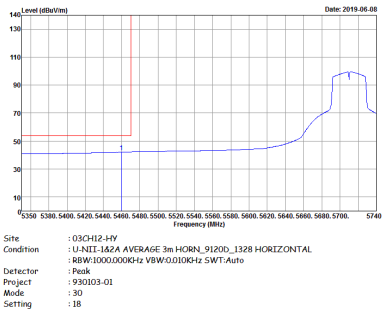
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT20 CH144 5720MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

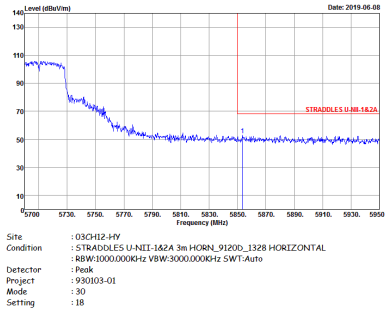
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT20 CH144 5720MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 26 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 26 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : U-NII-1&2A AVERAGE 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 930103-01 Mode : 26 Setting : 18.5	Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT20 CH144 5720MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 – Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT40 CH142 5710MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT40 CH142 5710MHz -R	
1	Horizontal	Fundamental
Peak		Left blank