



FCC RF Test Report

APPLICANT : SHARP CORPORATION, IOT COMMUNICATION BU
EQUIPMENT : SMART PHONE
BRAND NAME : NTT DOCOMO
MODEL NAME : SH-03J
FCC ID : APYHRO00248
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Apr. 01, 2017 and testing was completed on May 04, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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Approved by: Jones Tsai / Manager

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR740120E	Rev. 01	Initial issue of report	Jun. 02, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	FCC ≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	FCC ≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	$\leq -17, -27$ dBm (depend on band)&15.209(a)	Pass	Under limit 3.59 dB at 5353.680 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 15.0 dB at 0.150 MHz
0	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

SHARP CORPORATION, IoT Communication BU

2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan

1.2 Manufacturer

SHARP CORPORATION, IoT Communication BU

2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan

1.3 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Sample 1	EUT with Memory 1
Sample 2	EUT with Memory 2
Antenna Type	WWAN: ILA Antenna WLAN: ILA Antenna Bluetooth: ILA Antenna GPS/Glonass/Beidou/Galileo: ILA Antenna NFC: Loop Antenna

1.4 Modification of EUT

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

1.5 Testing Location

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	03CH10-HY	

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



1.6 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 644545 D03 Guidance for IEEE 802.11ac New Rules v01
- ♦ ANSI C63.10-2013

Remark:

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).
- 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

Note:

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

2.2 Test Mode

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

Single Antenna

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

MIMO Antenna

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM1900 Idle + Bluetooth Link + WLAN (5GHz) Link + Earphone + USB Cable (Charging from Adapter) + Camera (Rear) for Sample 1
Remark: For Radiated Test Cases, The tests were performance with Sample 1.	



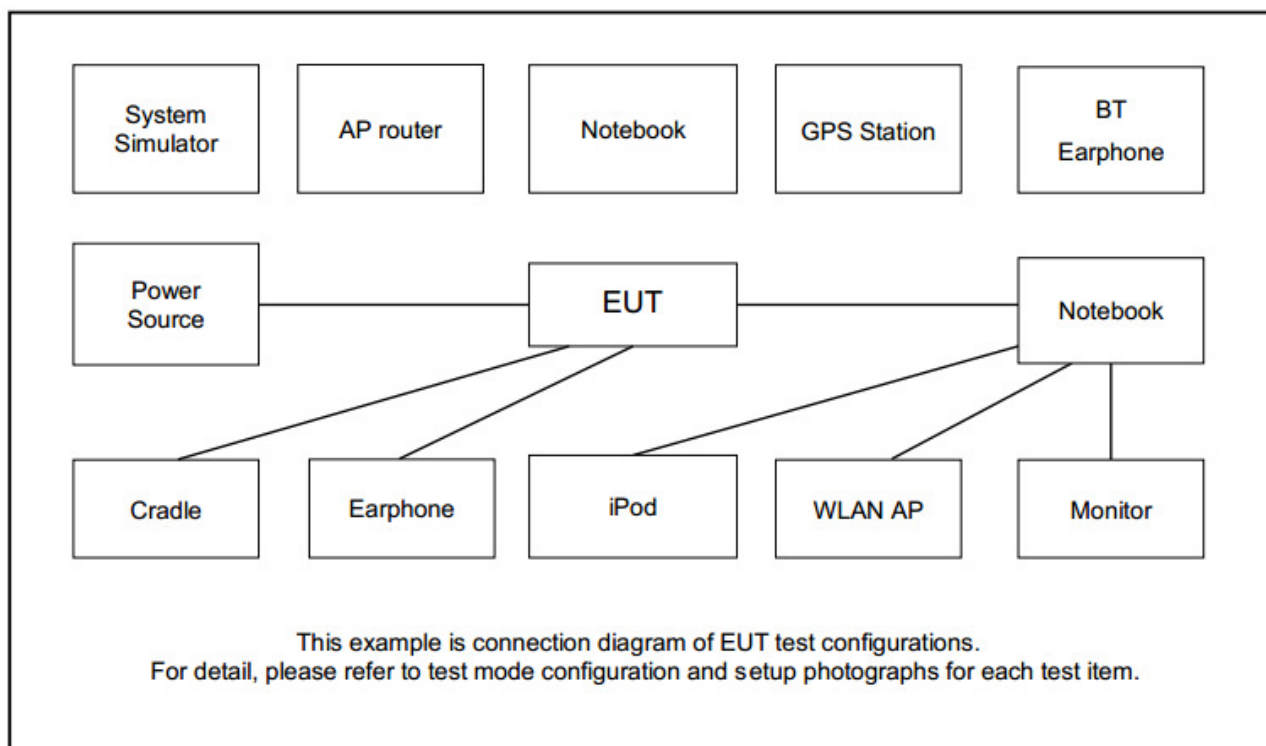
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, programmed RF utility, "Tera Term" installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

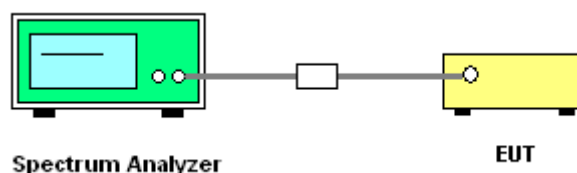
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
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 1MHz and set the Video bandwidth (VBW) $\geq 3 * \text{RBW}$.
8. Measure and record the results in the test report.

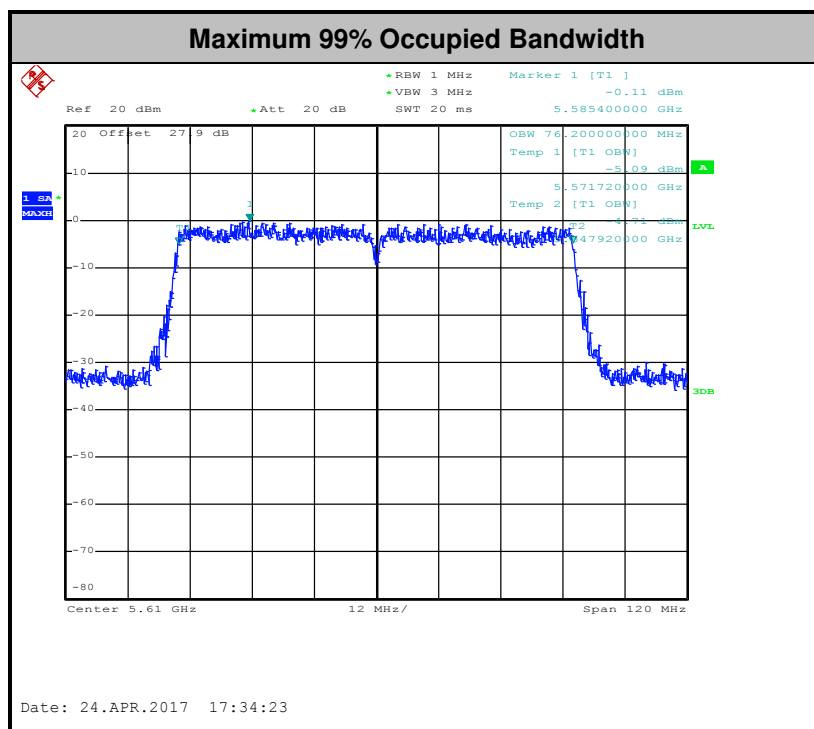
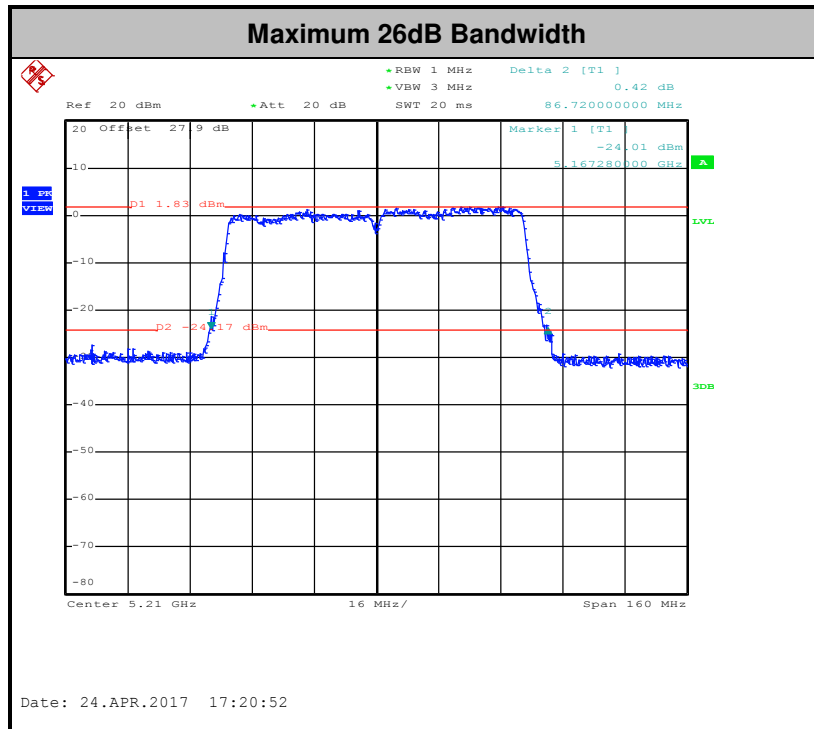
3.1.4 Test Setup





3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

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

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

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

3.2.3 Test Procedures

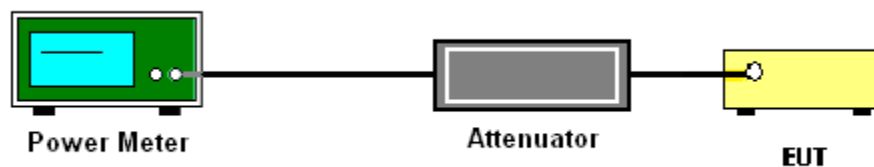
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 for CDD modes.

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

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

3.2.4 Test Setup

For normal channel:



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

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

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

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
Section F) Maximum power spectral density.

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

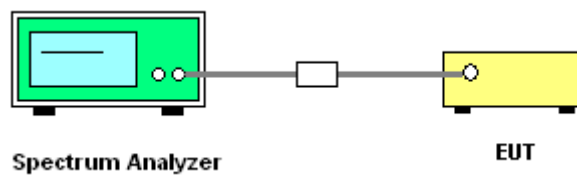
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW $\geq$ 3 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

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 PSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

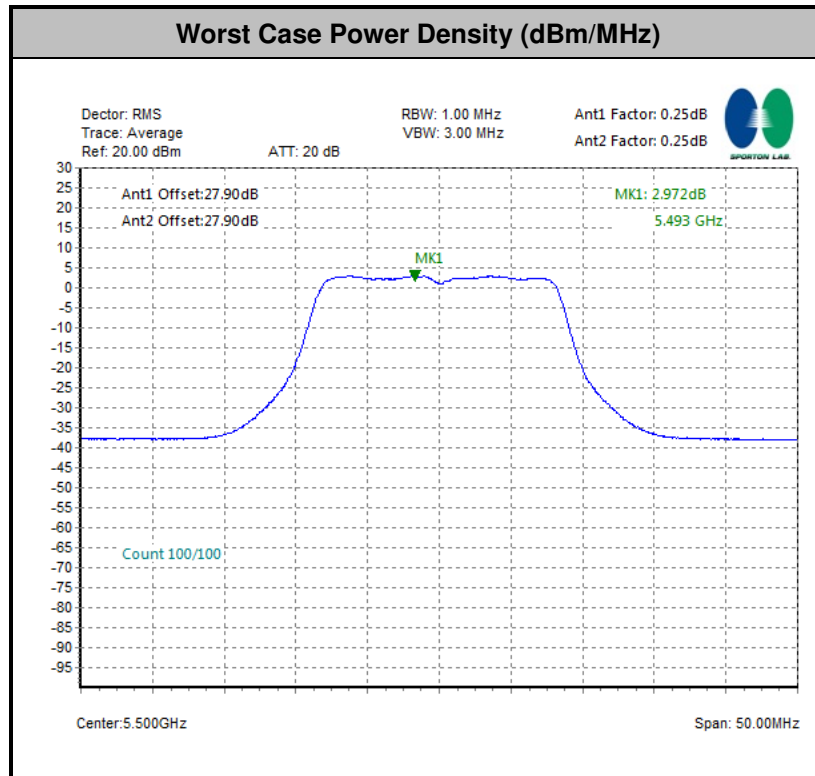
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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 per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

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

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

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

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

(3) KDB789033 D02 v01r04 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

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



3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

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

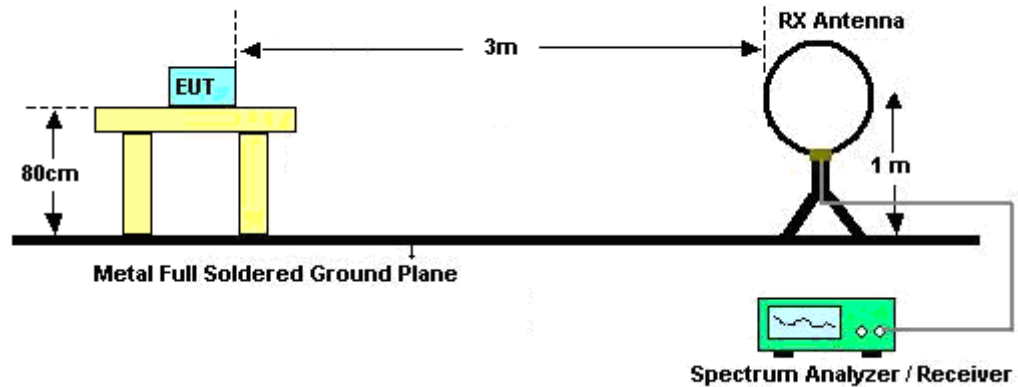
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



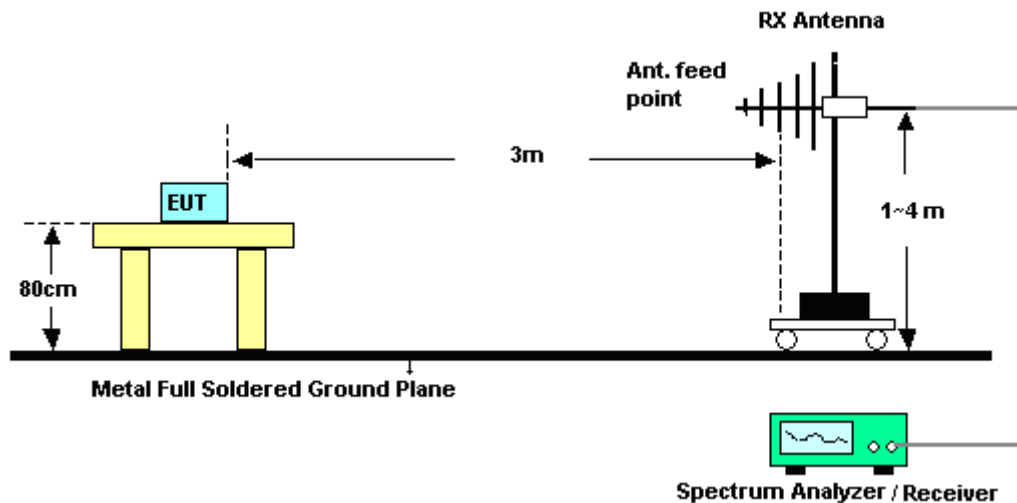
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

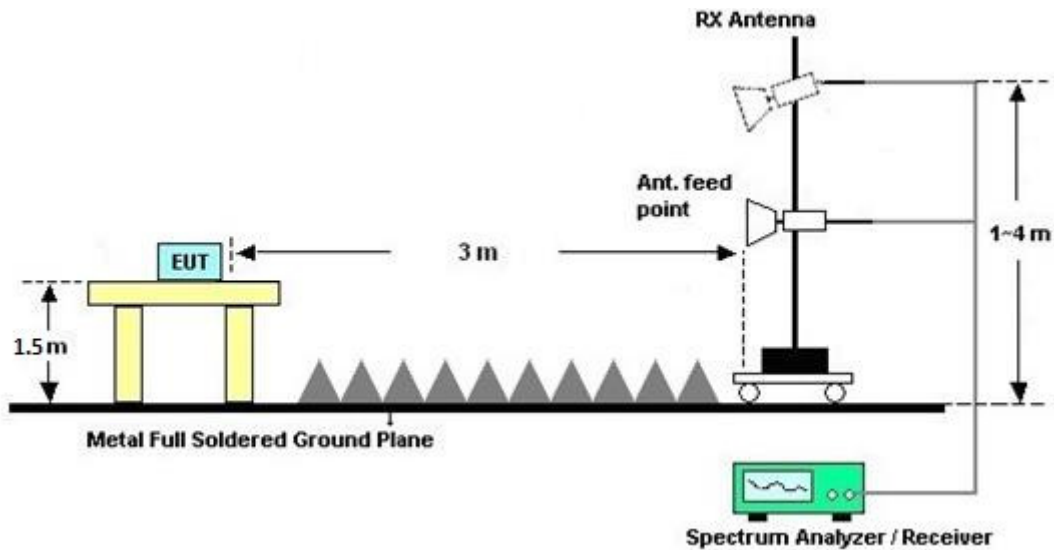
For radiated emissions below 30MHz



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 per 15.31(o) was not reported.

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 (dB μ V)	
	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.

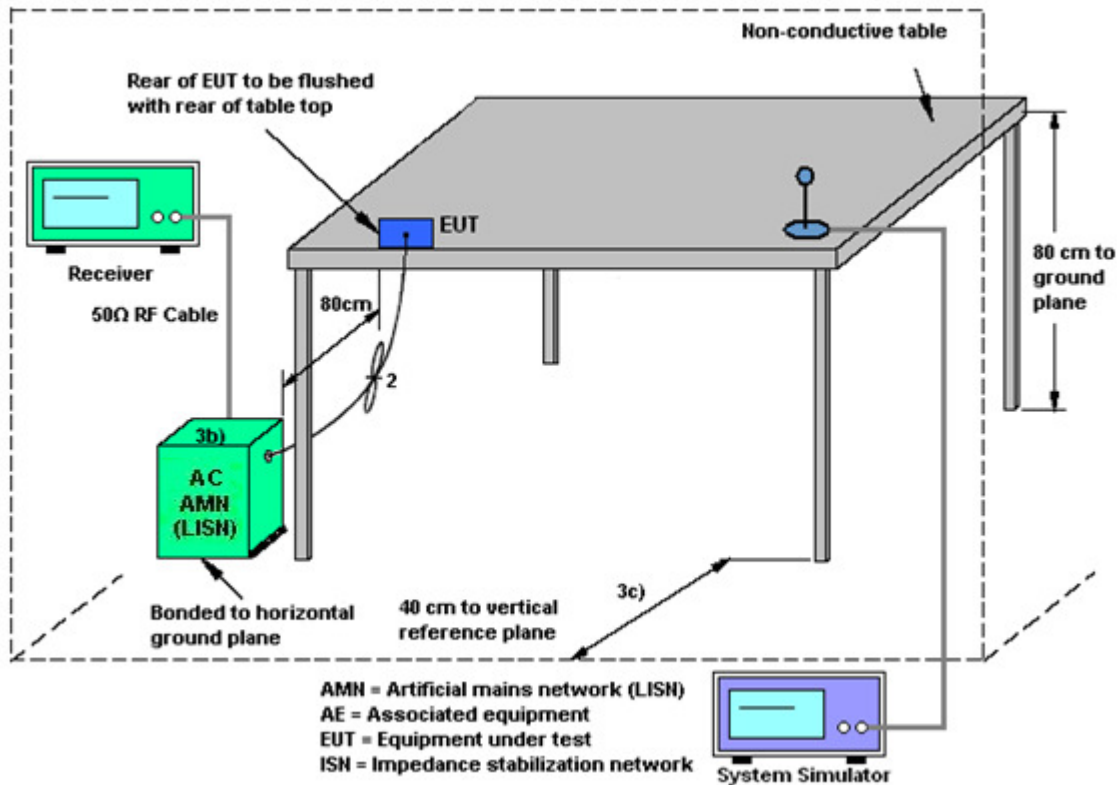
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

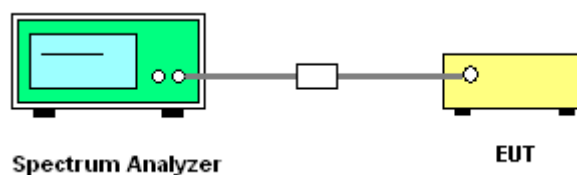
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.



3.7 Automatically Discontinue Transmission

3.7.1 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.

3.7.2 Measuring Instruments

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

3.7.3 Test Result of Automatically Discontinue Transmission

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

3.8 Antenna Requirements

3.8.1 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.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

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

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant 1 (dBi)	Ant 2 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-1.90	-5.30	-1.90	-0.42	0.00	0.00
Band II	-1.90	-5.30	-1.90	-0.42	0.00	0.00
Band III	-1.90	-5.30	-1.90	-0.42	0.00	0.00

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

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Apr. 14, 2017 ~ May 04, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Apr. 14, 2017 ~ May 04, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Apr. 14, 2017 ~ May 04, 2017	Jul. 16, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 01, 2016	Apr. 14, 2017 ~ May 04, 2017	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 11, 2016	Apr. 14, 2017 ~ May 04, 2017	Oct. 10, 2017	Conducted (TH05-HY)
AC Power Source	AC POWER	AFC-500W	F104070011	50Hz~60Hz	Dec 01.2016	Apr. 14, 2017 ~ May 04, 2017	Nov 30 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 29, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Apr. 29, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Apr. 29, 2017	Nov. 28, 2017	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 26, 2016	Apr. 21, 2017 ~ Apr. 28, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 07, 2017	Apr. 21, 2017 ~ Apr. 28, 2017	Jan. 06, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Sep. 30, 2016	Apr. 21, 2017 ~ Apr. 28, 2017	Sep. 29, 2017	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 26, 2016	Apr. 21, 2017 ~ Apr. 28, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 17, 2016	Apr. 21, 2017 ~ Apr. 28, 2017	Oct. 16, 2017	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Apr. 21, 2017 ~ Apr. 28, 2017	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Apr. 21, 2017 ~ Apr. 28, 2017	N/A	Radiation (03CH10-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Oct. 20, 2016	Apr. 21, 2017 ~ Apr. 28, 2017	Oct. 19, 2018	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 03, 2017	Apr. 21, 2017 ~ Apr. 28, 2017	Mar. 02, 2018	Radiation (03CH10-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800	2025787	1GHz~18GHz	Feb. 13, 2017	Apr. 21, 2017 ~ Apr. 28, 2017	Feb. 12, 2019	Radiation (03CH10-HY)
Preamplifier	MITEQ	JS44-1800400 0-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Apr. 21, 2017 ~ Apr. 28, 2017	Jun. 13, 2017	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917058 4	18GHz- 40GHz	Nov. 08, 2016	Apr. 21, 2017 ~ Apr. 28, 2017	Nov. 07, 2017	Radiation (03CH10-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.70
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.90
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Allen Lin	Temperature:	21~25	°C
Test Date:	2017/4/14~2017/5/4	Relative Humidity:	51~54	%

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	2	36	5180	17.90	17.65	24.40	23.50	-	-	22.47	-	
11a	6Mbps	2	44	5220	18.05	17.80	24.70	23.70	-	-	22.50	-	
11a	6Mbps	2	48	5240	18.05	17.80	24.70	23.80	-	-	22.50	-	
HT20	MCS0	2	36	5180	19.05	19.00	25.40	24.90	-	-	22.79	-	
HT20	MCS0	2	44	5220	18.95	19.00	25.60	25.20	-	-	22.78	-	
HT20	MCS0	2	48	5240	19.10	18.95	25.35	25.10	-	-	22.78	-	
HT40	MCS0	2	38	5190	37.00	36.90	43.38	43.20	-	-	23.01	-	
HT40	MCS0	2	46	5230	36.90	36.80	43.20	42.70	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.08	76.08	86.72	84.48	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.25	0.25	10.45	10.35		21.00	21.00	-1.90	-5.30	Pass
11a	6Mbps	1	44	5220	0.25	0.25	10.37	10.05		21.00	21.00	-1.90	-5.30	Pass
11a	6Mbps	1	48	5240	0.25	0.25	10.51	10.08		21.00	21.00	-1.90	-5.30	Pass
HT20	MCS0	1	36	5180	0.27	0.27	10.91	10.39		21.00	21.00	-1.90	-5.30	Pass
HT20	MCS0	1	44	5220	0.27	0.27	10.41	10.13		21.00	21.00	-1.90	-5.30	Pass
HT20	MCS0	1	48	5240	0.27	0.27	10.82	10.09		21.00	21.00	-1.90	-5.30	Pass
HT40	MCS0	1	38	5190	0.48	0.49	10.98	10.51		21.00	21.00	-1.90	-5.30	Pass
HT40	MCS0	1	46	5230	0.48	0.49	10.43	10.29		21.00	21.00	-1.90	-5.30	Pass
VHT20	MCS0	1	36	5180	0.27	0.27	11.00	10.45		21.00	21.00	-1.90	-5.30	Pass
VHT20	MCS0	1	44	5220	0.27	0.27	10.37	10.07		21.00	21.00	-1.90	-5.30	Pass
VHT20	MCS0	1	48	5240	0.27	0.27	10.89	10.31		21.00	21.00	-1.90	-5.30	Pass
VHT40	MCS0	1	38	5190	0.46	0.49	11.03	10.53		21.00	21.00	-1.90	-5.30	Pass
VHT40	MCS0	1	46	5230	0.46	0.49	10.40	10.27		21.00	21.00	-1.90	-5.30	Pass
VHT80	MCS0	1	42	5210	0.21	0.20	10.88	10.35		21.00	21.00	-1.90	-5.30	Pass
11a	6Mbps	2	36	5180	0.25	0.25	10.77	10.37	13.59	21.00		-1.90		Pass
11a	6Mbps	2	44	5220	0.25	0.25	10.50	10.07	13.30	21.00		-1.90		Pass
11a	6Mbps	2	48	5240	0.25	0.25	10.65	10.00	13.35	21.00		-1.90		Pass
HT20	MCS0	2	36	5180	0.31	0.27	11.15	10.33	13.77	21.00		-1.90		Pass
HT20	MCS0	2	44	5220	0.31	0.27	10.46	10.17	13.33	21.00		-1.90		Pass
HT20	MCS0	2	48	5240	0.31	0.27	10.97	10.08	13.56	21.00		-1.90		Pass
HT40	MCS0	2	38	5190	0.49	0.57	11.04	10.62	13.85	21.00		-1.90		Pass
HT40	MCS0	2	46	5230	0.49	0.57	10.49	10.32	13.42	21.00		-1.90		Pass
VHT20	MCS0	2	36	5180	0.27	0.27	10.44	10.34	13.40	21.00		-1.90		Pass
VHT20	MCS0	2	44	5220	0.27	0.27	10.22	10.17	13.20	21.00		-1.90		Pass
VHT20	MCS0	2	48	5240	0.27	0.27	10.39	10.21	13.31	21.00		-1.90		Pass
VHT40	MCS0	2	38	5190	0.49	0.49	10.98	10.53	13.78	21.00		-1.90		Pass
VHT40	MCS0	2	46	5230	0.49	0.49	10.41	10.28	13.36	21.00		-1.90		Pass
VHT80	MCS0	2	42	5210	0.21	0.18	11.03	10.62	13.84	21.00		-1.90		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	2	36	5180	0.25	0.25			1.97	11.00	-0.42			Pass	
11a	6Mbps	2	44	5220	0.25	0.25			2.12	11.00	-0.42			Pass	
11a	6Mbps	2	48	5240	0.25	0.25			2.10	11.00	-0.42			Pass	
HT20	MCS0	2	36	5180	0.31	0.27			1.61	11.00	-0.42			Pass	
HT20	MCS0	2	44	5220	0.31	0.27			1.52	11.00	-0.42			Pass	
HT20	MCS0	2	48	5240	0.31	0.27			1.82	11.00	-0.42			Pass	
HT40	MCS0	2	38	5190	0.49	0.57			-0.67	11.00	-0.42			Pass	
HT40	MCS0	2	46	5230	0.49	0.57			-0.80	11.00	-0.42			Pass	
VHT80	MCS0	2	42	5210	0.21	0.18			-2.85	11.00	-0.42			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	2	52	5260	18.00	17.65	24.70	23.90	23.47		29.47		23.98		
11a	6Mbps	2	60	5300	17.85	17.75	24.40	24.30	23.49		29.49		23.98		
11a	6Mbps	2	64	5320	17.90	17.90	24.50	23.60	23.53		29.53		23.98		
HT20	MCS0	2	52	5260	19.05	19.05	25.70	25.73	23.80		29.80		23.98		
HT20	MCS0	2	60	5300	19.10	18.85	25.55	24.90	23.75		29.75		23.98		
HT20	MCS0	2	64	5320	19.15	18.85	25.70	24.85	23.75		29.75		23.98		
HT40	MCS0	2	54	5270	36.80	37.00	43.20	43.15	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.80	36.80	43.02	42.66	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.08	76.08	85.44	85.72	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.25	0.25	10.48	10.00		23.98	23.98	-1.90	-5.30	26.99	Pass
11a	6Mbps	1	60	5300	0.25	0.25	10.43	10.10		23.98	23.98	-1.90	-5.30	26.99	Pass
11a	6Mbps	1	64	5320	0.25	0.25	10.44	10.12		23.98	23.98	-1.90	-5.30	26.99	Pass
HT20	MCS0	1	52	5260	0.27	0.27	10.79	10.12		23.98	23.98	-1.90	-5.30	26.99	Pass
HT20	MCS0	1	60	5300	0.27	0.27	10.40	10.02		23.98	23.98	-1.90	-5.30	26.99	Pass
HT20	MCS0	1	64	5320	0.27	0.27	10.83	10.14		23.98	23.98	-1.90	-5.30	26.99	Pass
HT40	MCS0	1	54	5270	0.48	0.49	10.99	10.33		23.98	23.98	-1.90	-5.30	26.99	Pass
HT40	MCS0	1	62	5310	0.48	0.49	10.44	10.21		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT20	MCS0	1	52	5260	0.27	0.27	10.78	10.15		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT20	MCS0	1	60	5300	0.27	0.27	10.32	10.01		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT20	MCS0	1	64	5320	0.27	0.27	10.79	10.22		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT40	MCS0	1	54	5270	0.46	0.49	10.96	10.39		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT40	MCS0	1	62	5310	0.46	0.49	10.38	10.19		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT80	MCS0	1	58	5290	0.21	0.20	10.77	10.28		23.98	23.98	-1.90	-5.30	26.99	Pass
11a	6Mbps	2	52	5260	0.25	0.25	10.64	9.95	13.32	23.98		-1.90		26.99	Pass
11a	6Mbps	2	60	5300	0.25	0.25	10.70	9.70	13.24	23.98		-1.90		26.99	Pass
11a	6Mbps	2	64	5320	0.25	0.25	10.75	9.95	13.38	23.98		-1.90		26.99	Pass
HT20	MCS0	2	52	5260	0.31	0.27	10.83	10.08	13.48	23.98		-1.90		26.99	Pass
HT20	MCS0	2	60	5300	0.31	0.27	10.47	10.07	13.29	23.98		-1.90		26.99	Pass
HT20	MCS0	2	64	5320	0.31	0.27	11.02	9.91	13.51	23.98		-1.90		26.99	Pass
HT40	MCS0	2	54	5270	0.49	0.57	11.22	10.33	13.81	23.98		-1.90		26.99	Pass
HT40	MCS0	2	62	5310	0.49	0.57	10.50	10.39	13.46	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	52	5260	0.27	0.27	10.14	10.22	13.19	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	60	5300	0.27	0.27	10.47	9.97	13.23	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	64	5320	0.27	0.27	10.54	10.23	13.40	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	54	5270	0.49	0.49	11.11	10.42	13.79	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	62	5310	0.49	0.49	10.39	10.24	13.33	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	58	5290	0.21	0.18	10.78	10.28	13.55	23.98		-1.90		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	2	52	5260	0.25	0.25			1.91	11.00	-0.42			Pass	
11a	6Mbps	2	60	5300	0.25	0.25			1.48	11.00	-0.42			Pass	
11a	6Mbps	2	64	5320	0.25	0.25			1.85	11.00	-0.42			Pass	
HT20	MCS0	2	52	5260	0.31	0.27			1.77	11.00	-0.42			Pass	
HT20	MCS0	2	60	5300	0.31	0.27			1.68	11.00	-0.42			Pass	
HT20	MCS0	2	64	5320	0.31	0.27			1.69	11.00	-0.42			Pass	
HT40	MCS0	2	54	5270	0.49	0.57			-0.86	11.00	-0.42			Pass	
HT40	MCS0	2	62	5310	0.49	0.57			-1.24	11.00	-0.42			Pass	
VHT80	MCS0	2	58	5290	0.21	0.18			-4.30	11.00	-0.42			Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band III															
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	2	100	5500	18.00	17.80	25.10	23.60	23.50		29.50		23.98		
11a	6Mbps	2	116	5580	17.80	17.75	24.50	23.60	23.49		29.49		23.98		
11a	6Mbps	2	140	5700	17.95	17.85	25.10	24.30	23.52		29.52		23.98		
HT20	MCS0	2	100	5500	19.00	18.95	25.25	25.20	23.78		29.78		23.98		
HT20	MCS0	2	116	5580	19.20	19.05	25.90	25.05	23.80		29.80		23.98		
HT20	MCS0	2	140	5700	18.95	19.05	24.70	24.40	23.78		29.78		23.98		
HT40	MCS0	2	102	5510	36.90	36.80	43.02	42.84	23.98		30.00		23.98		
HT40	MCS0	2	110	5550	36.90	37.00	42.48	42.48	23.98		30.00		23.98		
HT40	MCS0	2	134	5670	36.90	37.00	43.20	43.08	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	76.08	75.96	86.20	84.48	23.98		30.00		23.98		
VHT80	MCS0	2	122	5610	76.08	76.20	84.48	85.76	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.25	0.25	10.49	10.25		23.98	23.98	-1.90	-5.30	26.99	Pass
11a	6Mbps	1	116	5580	0.25	0.25	10.37	10.03		23.98	23.98	-1.90	-5.30	26.99	Pass
11a	6Mbps	1	140	5700	0.25	0.25	10.39	10.15		23.98	23.98	-1.90	-5.30	26.99	Pass
HT20	MCS0	1	100	5500	0.27	0.27	10.79	10.05		23.98	23.98	-1.90	-5.30	26.99	Pass
HT20	MCS0	1	116	5580	0.27	0.27	10.32	10.01		23.98	23.98	-1.90	-5.30	26.99	Pass
HT20	MCS0	1	140	5700	0.27	0.27	10.50	10.04		23.98	23.98	-1.90	-5.30	26.99	Pass
HT40	MCS0	1	102	5510	0.48	0.49	10.83	10.18		23.98	23.98	-1.90	-5.30	26.99	Pass
HT40	MCS0	1	110	5550	0.48	0.49	10.47	10.15		23.98	23.98	-1.90	-5.30	26.99	Pass
HT40	MCS0	1	134	5670	0.48	0.49	10.65	10.12		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT20	MCS0	1	100	5500	0.27	0.27	10.84	10.14		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT20	MCS0	1	116	5580	0.27	0.27	10.29	10.00		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT20	MCS0	1	140	5700	0.27	0.27	10.50	10.03		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT40	MCS0	1	102	5510	0.46	0.49	10.90	10.18		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT40	MCS0	1	110	5550	0.46	0.49	10.32	10.05		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT40	MCS0	1	134	5670	0.46	0.49	10.77	10.20		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT80	MCS0	1	106	5530	0.21	0.20	10.44	10.20		23.98	23.98	-1.90	-5.30	26.99	Pass
VHT80	MCS0	1	122	5610	0.21	0.20	10.33	10.15		23.98	23.98	-1.90	-5.30	26.99	Pass
11a	6Mbps	2	100	5500	0.25	0.25	10.67	9.95	13.34	23.98		-1.90		26.99	Pass
11a	6Mbps	2	116	5580	0.25	0.25	10.54	9.79	13.19	23.98		-1.90		26.99	Pass
11a	6Mbps	2	140	5700	0.25	0.25	10.64	9.88	13.29	23.98		-1.90		26.99	Pass
HT20	MCS0	2	100	5500	0.31	0.27	10.86	10.08	13.50	23.98		-1.90		26.99	Pass
HT20	MCS0	2	116	5580	0.31	0.27	10.43	9.87	13.17	23.98		-1.90		26.99	Pass
HT20	MCS0	2	140	5700	0.31	0.27	10.66	9.82	13.27	23.98		-1.90		26.99	Pass
HT40	MCS0	2	102	5510	0.49	0.57	10.93	10.37	13.67	23.98		-1.90		26.99	Pass
HT40	MCS0	2	110	5550	0.49	0.57	10.51	10.31	13.42	23.98		-1.90		26.99	Pass
HT40	MCS0	2	134	5670	0.49	0.57	10.75	10.23	13.51	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	100	5500	0.27	0.27	10.29	10.28	13.29	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	116	5580	0.27	0.27	10.12	9.97	13.05	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	140	5700	0.27	0.27	10.32	9.94	13.14	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	102	5510	0.49	0.49	10.93	10.15	13.57	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	110	5550	0.49	0.49	10.34	10.09	13.23	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	134	5670	0.49	0.49	10.84	10.14	13.52	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	106	5530	0.21	0.18	10.45	10.21	13.35	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	122	5610	0.21	0.18	10.39	10.26	13.34	23.98		-1.90		26.99	Pass

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	2	100	5500	0.25	0.25			2.97	11.00	-0.42			Pass	
11a	6Mbps	2	116	5580	0.25	0.25			2.85	11.00	-0.42		Pass		
11a	6Mbps	2	140	5700	0.25	0.25			1.55	11.00	-0.42		Pass		
HT20	MCS0	2	100	5500	0.31	0.27			2.49	11.00	-0.42		Pass		
HT20	MCS0	2	116	5580	0.31	0.27			2.37	11.00	-0.42		Pass		
HT20	MCS0	2	140	5700	0.31	0.27			0.96	11.00	-0.42		Pass		
HT40	MCS0	2	102	5510	0.49	0.57			-0.17	11.00	-0.42		Pass		
HT40	MCS0	2	110	5550	0.49	0.57			-0.26	11.00	-0.42		Pass		
HT40	MCS0	2	134	5670	0.49	0.57			-1.70	11.00	-0.42		Pass		
VHT80	MCS0	2	106	5530	0.21	0.18			-3.59	11.00	-0.42		Pass		
VHT80	MCS0	2	122	5610	0.21	0.18			-3.75	11.00	-0.42		Pass		

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	50	4	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	-30	4	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	4	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.7	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	4	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5319.925	-0.075	-14.10	50	4	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	-30	4	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	4	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	3.7	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	4	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5499.975	-0.025	-4.55	50	4	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-30	4	
11a	6Mbps	1	100	5500	5499.925	-0.075	-13.64	20	4	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	3.7	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	4	



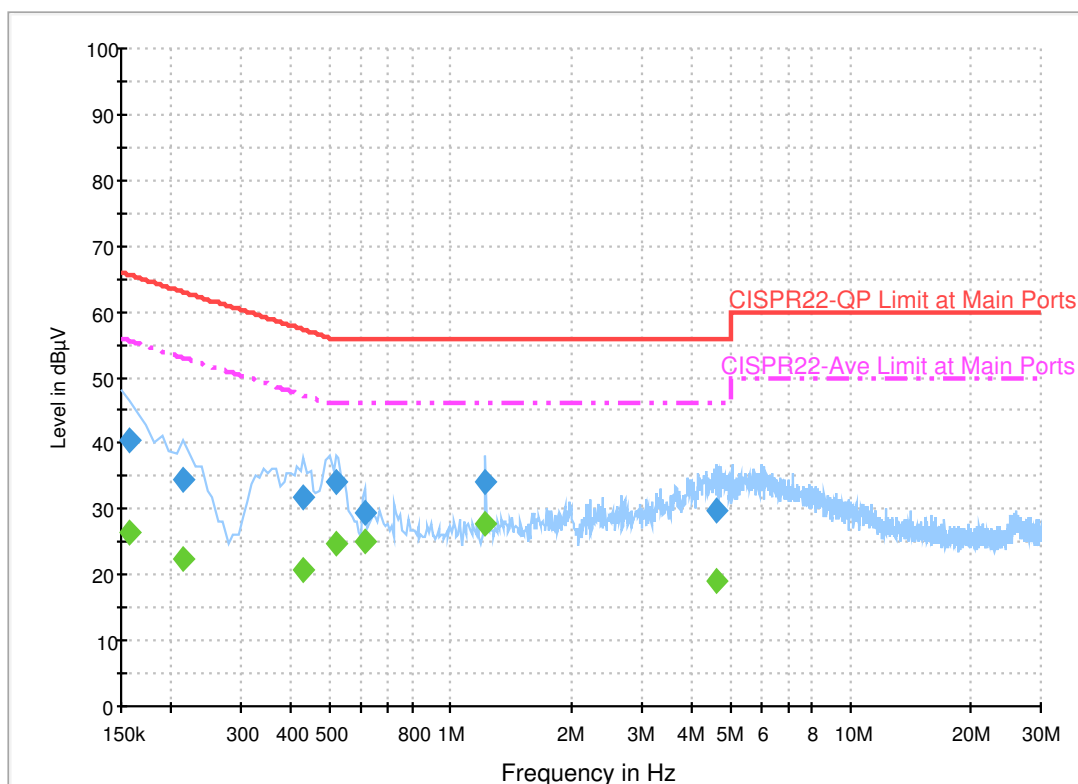
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Eric Jeng	Temperature :	21~23°C
		Relative Humidity :	52~55%

EUT Information

Report NO : 740120
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

ENV216 Auto Test FCC Power Bar - L



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	40.5	Off	L1	19.6	25.1	65.6
0.214000	34.6	Off	L1	19.6	28.4	63.0
0.430000	31.8	Off	L1	19.6	25.5	57.3
0.518000	34.1	Off	L1	19.6	21.9	56.0
0.614000	29.4	Off	L1	19.6	26.6	56.0
1.222000	34.0	Off	L1	19.6	22.0	56.0
4.630000	29.7	Off	L1	19.7	26.3	56.0

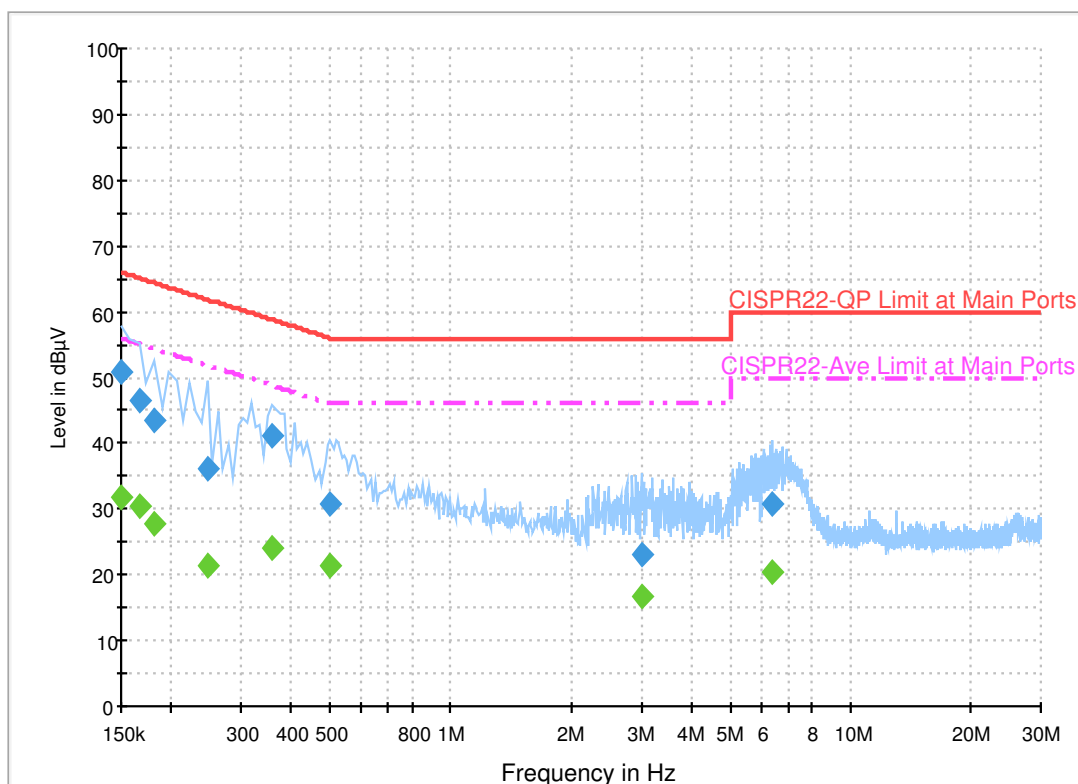
Final Result 2

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	26.4	Off	L1	19.6	29.2	55.6
0.214000	22.4	Off	L1	19.6	30.6	53.0
0.430000	20.7	Off	L1	19.6	26.6	47.3
0.518000	24.9	Off	L1	19.6	21.1	46.0
0.614000	25.2	Off	L1	19.6	20.8	46.0
1.222000	27.8	Off	L1	19.6	18.2	46.0
4.630000	18.9	Off	L1	19.7	27.1	46.0

EUT Information

Report NO : 740120
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

ENV216 Auto Test FCC Power Bar - N



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	51.0	Off	N	19.5	15.0	66.0
0.166000	46.4	Off	N	19.5	18.8	65.2
0.182000	43.4	Off	N	19.5	21.0	64.4
0.246000	36.1	Off	N	19.5	25.8	61.9
0.358000	41.0	Off	N	19.5	17.8	58.8
0.502000	30.7	Off	N	19.5	25.3	56.0
2.998000	23.0	Off	N	19.5	33.0	56.0
6.390000	30.9	Off	N	19.8	29.1	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	31.6	Off	N	19.5	24.4	56.0
0.166000	30.4	Off	N	19.5	24.8	55.2
0.182000	27.8	Off	N	19.5	26.6	54.4
0.246000	21.6	Off	N	19.5	30.3	51.9
0.358000	24.1	Off	N	19.5	24.7	48.8
0.502000	21.4	Off	N	19.5	24.6	46.0
2.998000	16.9	Off	N	19.5	29.1	46.0
6.390000	20.5	Off	N	19.8	29.5	50.0



Appendix C. Radiated Spurious Emission

Test Engineer :	Tsung Lee, Stan Hsieh, and Kyle Chuang	Temperature :	22~25°C
		Relative Humidity :	44~45%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5140.14	48.07	-25.93	74	41.51	32.5	6.6	32.54	100	119	P	H
		5145.6	39.78	-14.22	54	33.21	32.5	6.61	32.54	100	119	A	H
	*	5180	101.04	-	-	94.44	32.5	6.64	32.54	100	119	P	H
	*	5180	94.98	-	-	88.38	32.5	6.64	32.54	100	119	A	H
													H
													H
		5095.94	48.11	-25.89	74	41.57	32.5	6.57	32.53	100	83	P	V
		5145.34	38.79	-15.21	54	32.22	32.5	6.61	32.54	100	83	A	V
	*	5180	95.65	-	-	89.05	32.5	6.64	32.54	100	83	P	V
	*	5180	88.12	-	-	81.52	32.5	6.64	32.54	100	83	A	V
													V
													V
802.11a CH 44 5220MHz		5067.6	48.58	-25.42	74	42.06	32.5	6.55	32.53	100	118	P	H
		5145.86	39.12	-14.88	54	32.55	32.5	6.61	32.54	100	118	A	H
	*	5220	102.08	-	-	95.45	32.5	6.67	32.54	100	118	P	H
	*	5220	95.66	-	-	89.03	32.5	6.67	32.54	100	118	A	H
		5369.84	47.73	-26.27	74	40.98	32.5	6.79	32.54	100	118	P	H
		5375.72	41.04	-12.96	54	34.3	32.5	6.79	32.55	100	118	A	H
		5020.28	47.97	-26.03	74	41.48	32.5	6.52	32.53	100	78	P	V
		5100.88	38.72	-15.28	54	32.18	32.5	6.57	32.53	100	78	A	V
	*	5220	96.04	-	-	89.41	32.5	6.67	32.54	100	78	P	V
	*	5220	90.04	-	-	83.41	32.5	6.67	32.54	100	78	A	V
		5361.44	46.18	-27.82	74	39.43	32.5	6.79	32.54	100	78	P	V
		5376	38.78	-15.22	54	32.04	32.5	6.79	32.55	100	78	A	V



802.11a CH 48 5240MHz		5115.7	48.92	-25.08	74	42.36	32.5	6.59	32.53	100	116	P	H
		5145.6	39.17	-14.83	54	32.6	32.5	6.61	32.54	100	116	A	H
	*	5240	102.79	-	-	96.15	32.5	6.68	32.54	100	116	P	H
	*	5240	96.12	-	-	89.48	32.5	6.68	32.54	100	116	A	H
		5451.88	47.06	-26.94	74	40.25	32.5	6.86	32.55	100	116	P	H
		5376	40.76	-13.24	54	34.02	32.5	6.79	32.55	100	116	A	H
		5138.84	46.88	-27.12	74	40.32	32.5	6.6	32.54	100	79	P	V
		5135.2	38.74	-15.26	54	32.18	32.5	6.6	32.54	100	79	A	V
	*	5240	97.22	-	-	90.58	32.5	6.68	32.54	100	79	P	V
	*	5240	90.72	-	-	84.08	32.5	6.68	32.54	100	79	A	V
		5433.96	46.59	-27.41	74	39.8	32.5	6.84	32.55	100	79	P	V
		5452.72	38.73	-15.27	54	31.92	32.5	6.86	32.55	100	79	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	45.78	-28.22	74	61.24	38.87	10.33	65.2	100	0	P	H
		15540	46.45	-27.55	74	57.58	38.49	13.6	63.98	100	0	P	H
													H
													H
		10360	45.98	-28.02	74	61.44	38.87	10.33	65.2	100	0	P	V
		15540	45.68	-28.32	74	56.81	38.49	13.6	63.98	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	45.36	-28.64	74	60.8	38.93	10.29	65.2	100	0	P	H
		15660	45.86	-28.14	74	57.19	38.44	13.72	64.24	100	0	P	H
													H
													H
		10440	45.56	-28.44	74	61	38.93	10.29	65.2	100	0	P	V
		15660	47.64	-26.36	74	58.97	38.44	13.72	64.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.6	-27.4	74	62.02	38.98	10.26	65.2	100	0	P	H
		15720	47.42	-26.58	74	58.89	38.41	13.77	64.39	100	0	P	H
													H
													H
		10480	48.05	-25.95	74	63.47	38.98	10.26	65.2	100	0	P	V
		15720	46.86	-27.14	74	58.33	38.41	13.77	64.39	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5145.08	51.99	-22.01	74	45.42	32.5	6.61	32.54	100	118	P	H
		5143.52	41.12	-12.88	54	34.55	32.5	6.61	32.54	100	118	A	H
	*	5180	101.9	-	-	95.3	32.5	6.64	32.54	100	118	P	H
	*	5180	95.11	-	-	88.51	32.5	6.64	32.54	100	118	A	H
													H
													H
		5036.4	47.4	-26.6	74	40.89	32.5	6.54	32.53	373	99	P	V
		5148.46	38.91	-15.09	54	32.34	32.5	6.61	32.54	373	99	A	V
	*	5180	99.72	-	-	93.12	32.5	6.64	32.54	373	99	P	V
	*	5180	92.53	-	-	85.93	32.5	6.64	32.54	373	99	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5105.04	49.43	-24.57	74	42.89	32.5	6.57	32.53	100	118	P	H
		5145.6	39.07	-14.93	54	32.5	32.5	6.61	32.54	100	118	A	H
	*	5220	102.55	-	-	95.92	32.5	6.67	32.54	100	118	P	H
	*	5220	95.21	-	-	88.58	32.5	6.67	32.54	100	118	A	H
		5351.92	46.81	-27.19	74	40.08	32.5	6.77	32.54	100	118	P	H
		5376	40.55	-13.45	54	33.81	32.5	6.79	32.55	100	118	A	H
		5086.84	47.17	-26.83	74	40.64	32.5	6.56	32.53	368	98	P	V
		5083.72	38.66	-15.34	54	32.13	32.5	6.56	32.53	368	98	A	V
	*	5220	100.32	-	-	93.69	32.5	6.67	32.54	368	98	P	V
	*	5220	93.64	-	-	87.01	32.5	6.67	32.54	368	98	A	V
		5430.6	46.8	-27.2	74	40.01	32.5	6.84	32.55	368	98	P	V
		5376	38.7	-15.3	54	31.96	32.5	6.79	32.55	368	98	A	V



802.11n HT20 CH 48 5240MHz		5013.78	48.2	-25.8	74	41.72	32.5	6.51	32.53	100	118	P	H
		5145.6	39.04	-14.96	54	32.47	32.5	6.61	32.54	100	118	A	H
	*	5240	103.01	-	-	96.37	32.5	6.68	32.54	100	118	P	H
		5362.56	46.7	-27.3	74	39.95	32.5	6.79	32.54	100	118	P	H
		5376	40.66	-13.34	54	33.92	32.5	6.79	32.55	100	118	A	H
													H
		5117.78	47.49	-26.51	74	40.93	32.5	6.59	32.53	364	94	P	V
		5087.36	39	-15	54	32.47	32.5	6.56	32.53	364	94	A	V
	*	5240	99.65	-	-	93.01	32.5	6.68	32.54	364	94	P	V
	*	5240	92.9	-	-	86.26	32.5	6.68	32.54	364	94	A	V
		5445.44	45.81	-28.19	74	39.02	32.5	6.84	32.55	364	94	P	V
		5376	38.69	-15.31	54	31.95	32.5	6.79	32.55	364	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	45.55	-28.45	74	61.01	38.87	10.33	65.2	100	0	P	H
		15540	44.39	-29.61	74	55.52	38.49	13.6	63.98	100	0	P	H
													H
													H
		10360	46.36	-27.64	74	61.82	38.87	10.33	65.2	100	0	P	V
		15540	44.66	-29.34	74	55.79	38.49	13.6	63.98	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	45.51	-28.49	74	60.95	38.93	10.29	65.2	100	0	P	H
		15660	45.2	-28.8	74	56.53	38.44	13.72	64.24	100	0	P	H
													H
													H
		10440	44.81	-29.19	74	60.25	38.93	10.29	65.2	100	0	P	V
		15660	44.13	-29.87	74	55.46	38.44	13.72	64.24	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	46.5	-27.5	74	61.92	38.98	10.26	65.2	100	0	P	H
		15720	46.68	-27.32	74	58.15	38.41	13.77	64.39	100	0	P	H
													H
													H
		10480	45.94	-28.06	74	61.36	38.98	10.26	65.2	100	0	P	V
		15720	45.95	-28.05	74	57.42	38.41	13.77	64.39	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5150	52.04	-21.96	74	45.47	32.5	6.61	32.54	100	119	P	H
		5150	44.73	-9.27	54	38.16	32.5	6.61	32.54	100	119	A	H
	*	5190	99.15	-	-	92.55	32.5	6.64	32.54	100	119	P	H
	*	5190	92.61	-	-	86.01	32.5	6.64	32.54	100	119	A	H
		5436.48	47.88	-26.12	74	41.09	32.5	6.84	32.55	100	119	P	H
		5376	40.33	-13.67	54	33.59	32.5	6.79	32.55	100	119	A	H
		5127.14	47.9	-26.1	74	41.34	32.5	6.6	32.54	367	99	P	V
		5147.94	40.53	-13.47	54	33.96	32.5	6.61	32.54	367	99	A	V
	*	5190	96.97	-	-	90.37	32.5	6.64	32.54	367	99	P	V
	*	5190	90.43	-	-	83.83	32.5	6.64	32.54	367	99	A	V
		5361.72	46.72	-27.28	74	39.97	32.5	6.79	32.54	367	99	P	V
		5370.12	39.19	-14.81	54	32.44	32.5	6.79	32.54	367	99	A	V
802.11n HT40 CH 46 5230MHz		5112.84	47.58	-26.42	74	41.02	32.5	6.59	32.53	100	119	P	H
		5145.6	40.12	-13.88	54	33.55	32.5	6.61	32.54	100	119	A	H
	*	5230	100.66	-	-	94.03	32.5	6.67	32.54	100	119	P	H
	*	5230	94.46	-	-	87.83	32.5	6.67	32.54	100	119	A	H
		5390.28	48.38	-25.62	74	41.63	32.5	6.8	32.55	100	119	P	H
		5452.72	41.98	-12.02	54	35.17	32.5	6.86	32.55	100	119	A	H
		5037.96	48.07	-25.93	74	41.56	32.5	6.54	32.53	365	97	P	V
		5144.3	39.56	-14.44	54	32.99	32.5	6.61	32.54	365	97	A	V
	*	5230	97.65	-	-	91.02	32.5	6.67	32.54	365	97	P	V
	*	5230	90.37	-	-	83.74	32.5	6.67	32.54	365	97	A	V
		5403.72	47.04	-26.96	74	40.27	32.5	6.82	32.55	365	97	P	V
		5452.72	39.32	-14.68	54	32.51	32.5	6.86	32.55	365	97	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	47.29	-26.71	74	62.75	38.88	10.32	65.2	100	0	P	H
		15570	44.14	-29.86	74	55.33	38.47	13.64	64.05	100	0	P	H
													H
													H
		10380	46.47	-27.53	74	61.93	38.88	10.32	65.2	100	0	P	V
		15570	46.7	-27.3	74	57.89	38.47	13.64	64.05	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	45.5	-28.5	74	60.93	38.95	10.28	65.2	100	0	P	H
		15690	47.78	-26.22	74	59.2	38.42	13.74	64.32	100	0	P	H
													H
													H
		10460	46.25	-27.75	74	61.68	38.95	10.28	65.2	100	0	P	V
		15690	45.43	-28.57	74	56.85	38.42	13.74	64.32	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.2	49.51	-24.49	74	42.94	32.5	6.61	32.54	100	119	P	H
		5149.5	41.41	-12.59	54	34.84	32.5	6.61	32.54	100	119	A	H
	*	5210	96.78	-	-	90.17	32.5	6.65	32.54	100	119	P	H
	*	5210	89.81	-	-	83.2	32.5	6.65	32.54	100	119	A	H
		5386.36	47.38	-26.62	74	40.63	32.5	6.8	32.55	100	119	P	H
		5376	40.61	-13.39	54	33.87	32.5	6.79	32.55	100	119	A	H
		5145.86	49.2	-24.8	74	42.63	32.5	6.61	32.54	365	98	P	V
		5150	40.56	-13.44	54	33.99	32.5	6.61	32.54	365	98	A	V
	*	5210	94.13	-	-	87.52	32.5	6.65	32.54	365	98	P	V
	*	5210	86.58	-	-	79.97	32.5	6.65	32.54	365	98	A	V
		5363.12	47.01	-26.99	74	40.26	32.5	6.79	32.54	365	98	P	V
		5376	38.47	-15.53	54	31.73	32.5	6.79	32.55	365	98	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	44.92	-29.08	74	60.36	38.92	10.3	65.2	100	0	P	H
		15630	47.02	-26.98	74	58.34	38.44	13.69	64.2	100	0	P	H
													H
													H
		10420	44.75	-29.25	74	60.19	38.92	10.3	65.2	100	0	P	V
		15630	46.4	-27.6	74	57.72	38.44	13.69	64.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5119.68	47.82	-26.18	74	41.27	32.5	6.59	32.54	100	117	P	H
		5145.52	39.07	-14.93	54	32.5	32.5	6.61	32.54	100	117	A	H
	*	5260	103.79	-	-	97.13	32.5	6.7	32.54	100	117	P	H
	*	5260	96.83	-	-	90.17	32.5	6.7	32.54	100	117	A	H
		5365.92	46.93	-27.07	74	40.18	32.5	6.79	32.54	100	117	P	H
		5375.76	40.51	-13.49	54	33.77	32.5	6.79	32.55	100	117	A	H
		5083.3	47.47	-26.53	74	40.94	32.5	6.56	32.53	100	77	P	V
		5096.22	38.77	-15.23	54	32.23	32.5	6.57	32.53	100	77	A	V
	*	5260	97.51	-	-	90.85	32.5	6.7	32.54	100	77	P	V
	*	5260	90.69	-	-	84.03	32.5	6.7	32.54	100	77	A	V
		5362.08	47.55	-26.45	74	40.8	32.5	6.79	32.54	100	77	P	V
		5376	38.65	-15.35	54	31.91	32.5	6.79	32.55	100	77	A	V
802.11a CH 60 5300MHz		5007.82	48.6	-25.4	74	42.12	32.5	6.51	32.53	100	118	P	H
		5145.52	39.03	-14.97	54	32.46	32.5	6.61	32.54	100	118	A	H
	*	5300	105.29	-	-	98.6	32.5	6.73	32.54	100	118	P	H
	*	5300	98.24	-	-	91.55	32.5	6.73	32.54	100	118	A	H
		5359.2	47.21	-26.79	74	40.46	32.5	6.79	32.54	100	118	P	H
		5375.76	40.82	-13.18	54	34.08	32.5	6.79	32.55	100	118	A	H
		5109.14	47.37	-26.63	74	40.81	32.5	6.59	32.53	100	77	P	V
		5125.12	38.85	-15.15	54	32.29	32.5	6.6	32.54	100	77	A	V
	*	5300	97.78	-	-	91.09	32.5	6.73	32.54	100	77	P	V
	*	5300	92.09	-	-	85.4	32.5	6.73	32.54	100	77	A	V
		5354.64	47.08	-26.92	74	40.35	32.5	6.77	32.54	100	77	P	V
		5376	38.64	-15.36	54	31.9	32.5	6.79	32.55	100	77	A	V



802.11a CH 64 5320MHz	*	5320	105.26	-	-	98.56	32.5	6.74	32.54	100	119	P	H
	*	5320	99.28	-	-	92.58	32.5	6.74	32.54	100	119	A	H
		5353.44	52.46	-21.54	74	45.73	32.5	6.77	32.54	100	119	P	H
		5350.08	41.72	-12.28	54	34.99	32.5	6.77	32.54	100	119	A	H
													H
													H
	*	5320	99.15	-	-	92.45	32.5	6.74	32.54	100	77	P	V
	*	5320	93.06	-	-	86.36	32.5	6.74	32.54	100	77	A	V
		5354.72	47.71	-26.29	74	40.98	32.5	6.77	32.54	100	77	P	V
		5350.72	38.99	-15.01	54	32.26	32.5	6.77	32.54	100	77	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	44.6	-29.4	74	59.97	39.05	10.24	65.2	100	0	P	H
		15780	47.16	-26.84	74	58.72	38.39	13.82	64.51	100	0	P	H
													H
													H
		10520	44.21	-29.79	74	59.58	39.05	10.24	65.2	100	0	P	V
		15780	46.69	-27.31	74	58.25	38.39	13.82	64.51	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	45.38	-28.62	74	60.51	39.31	10.2	65.18	100	0	P	H
		15900	45.94	-28.06	74	57.7	38.34	13.94	64.77	100	0	P	H
													H
													H
		10600	46.46	-27.54	74	61.59	39.31	10.2	65.18	100	0	P	V
		15900	45.74	-28.26	74	57.5	38.34	13.94	64.77	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	45.34	-28.66	74	60.38	39.41	10.19	65.17	100	0	P	H
		15960	47.22	-26.78	74	59.12	38.31	13.99	64.92	100	0	P	H
													H
													H
		10640	45.23	-28.77	74	60.27	39.41	10.19	65.17	100	0	P	V
		15960	46.29	-27.71	74	58.19	38.31	13.99	64.92	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5123.42	47.26	-26.74	74	40.71	32.5	6.59	32.54	100	119	P	H
		5145.52	39.07	-14.93	54	32.5	32.5	6.61	32.54	100	119	A	H
	*	5260	102.7	-	-	96.04	32.5	6.7	32.54	100	119	P	H
	*	5260	96.3	-	-	89.64	32.5	6.7	32.54	100	119	A	H
		5414.16	47.7	-26.3	74	40.92	32.5	6.83	32.55	100	119	P	H
		5375.76	40.85	-13.15	54	34.11	32.5	6.79	32.55	100	119	A	H
		5048.62	47.45	-26.55	74	40.94	32.5	6.54	32.53	381	99	P	V
		5133.62	38.74	-15.26	54	32.18	32.5	6.6	32.54	381	99	A	V
	*	5260	100.75	-	-	94.09	32.5	6.7	32.54	381	99	P	V
	*	5260	93.35	-	-	86.69	32.5	6.7	32.54	381	99	A	V
		5394.96	46.45	-27.55	74	39.68	32.5	6.82	32.55	381	99	P	V
		5452.56	38.6	-15.4	54	31.79	32.5	6.86	32.55	381	99	A	V
802.11n HT20 CH 60 5300MHz		5028.22	47.22	-26.78	74	40.73	32.5	6.52	32.53	100	117	P	H
		5145.52	38.98	-15.02	54	32.41	32.5	6.61	32.54	100	117	A	H
	*	5300	104.88	-	-	98.19	32.5	6.73	32.54	100	117	P	H
	*	5300	98.41	-	-	91.72	32.5	6.73	32.54	100	117	A	H
		5442	47.97	-26.03	74	41.18	32.5	6.84	32.55	100	117	P	H
		5375.76	41.16	-12.84	54	34.42	32.5	6.79	32.55	100	117	A	H
		5049.3	48.11	-25.89	74	41.6	32.5	6.54	32.53	377	96	P	V
		5104.38	39	-15	54	32.46	32.5	6.57	32.53	377	96	A	V
	*	5300	100.5	-	-	93.81	32.5	6.73	32.54	377	96	P	V
	*	5300	94.02	-	-	87.33	32.5	6.73	32.54	377	96	A	V
		5446.32	46.81	-27.19	74	40.02	32.5	6.84	32.55	377	96	P	V
		5454	38.08	-15.92	54	31.27	32.5	6.86	32.55	377	96	A	V



802.11n HT20 CH 64 5320MHz	*	5320	106.13	-	-	99.43	32.5	6.74	32.54	100	117	P	H
	*	5320	98.98	-	-	92.28	32.5	6.74	32.54	100	117	A	H
		5350.88	57.92	-16.08	74	51.19	32.5	6.77	32.54	100	117	P	H
		5350.08	43.9	-10.1	54	37.17	32.5	6.77	32.54	100	117	A	H
													H
													H
	*	5320	100.5	-	-	93.8	32.5	6.74	32.54	375	96	P	V
	*	5320	93.92	-	-	87.22	32.5	6.74	32.54	375	96	A	V
		5351.68	48.44	-25.56	74	41.71	32.5	6.77	32.54	375	96	P	V
		5352	39.82	-14.18	54	33.09	32.5	6.77	32.54	375	96	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	45.91	-28.09	74	61.28	39.05	10.24	65.2	100	0	P	H
		15780	47.37	-26.63	74	58.93	38.39	13.82	64.51	100	0	P	H
													H
													H
		10520	44.88	-29.12	74	60.25	39.05	10.24	65.2	100	0	P	V
		15780	43.8	-30.2	74	55.36	38.39	13.82	64.51	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	44.12	-29.88	74	59.25	39.31	10.2	65.18	100	0	P	H
		15900	42.47	-31.53	74	54.23	38.34	13.94	64.77	100	0	P	H
													H
													H
		10600	46.26	-27.74	74	61.39	39.31	10.2	65.18	100	0	P	V
		15900	44.73	-29.27	74	56.49	38.34	13.94	64.77	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	44.36	-29.64	74	59.4	39.41	10.19	65.17	100	0	P	H
		15960	41.15	-32.85	74	53.05	38.31	13.99	64.92	100	0	P	H
													H
													H
		10640	45.13	-28.87	74	60.17	39.41	10.19	65.17	100	0	P	V
		15960	43.89	-30.11	74	55.79	38.31	13.99	64.92	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5143.48	47.1	-26.9	74	40.53	32.5	6.61	32.54	104	118	P	H
		5145.86	39.94	-14.06	54	33.37	32.5	6.61	32.54	104	118	A	H
	*	5270	101.96	-	-	95.29	32.5	6.71	32.54	104	118	P	H
	*	5270	94.87	-	-	88.2	32.5	6.71	32.54	104	118	A	H
		5354.64	50.22	-23.78	74	43.49	32.5	6.77	32.54	104	118	P	H
		5376	41.74	-12.26	54	35	32.5	6.79	32.55	104	118	A	H
		5125.12	47.7	-26.3	74	41.14	32.5	6.6	32.54	325	98	P	V
		5079.22	39.43	-14.57	54	32.9	32.5	6.56	32.53	325	98	A	V
	*	5270	98.17	-	-	91.5	32.5	6.71	32.54	325	98	P	V
	*	5270	90.75	-	-	84.08	32.5	6.71	32.54	325	98	A	V
		5359.92	47.5	-26.5	74	40.75	32.5	6.79	32.54	325	98	P	V
		5452.56	39.48	-14.52	54	32.67	32.5	6.86	32.55	325	98	A	V
802.11n HT40 CH 62 5310MHz		5129.88	48.3	-25.7	74	41.74	32.5	6.6	32.54	103	118	P	H
		5145.18	39.42	-14.58	54	32.85	32.5	6.61	32.54	103	118	A	H
	*	5310	102.43	-	-	95.73	32.5	6.74	32.54	103	118	P	H
	*	5310	95.47	-	-	88.77	32.5	6.74	32.54	103	118	A	H
		5352	62.35	-11.65	74	55.62	32.5	6.77	32.54	103	118	P	H
		5353.68	50.41	-3.59	54	43.68	32.5	6.77	32.54	103	118	A	H
		5149.26	47.53	-26.47	74	40.96	32.5	6.61	32.54	377	103	P	V
		5103.36	39.78	-14.22	54	33.24	32.5	6.57	32.53	377	103	A	V
	*	5310	97.5	-	-	90.8	32.5	6.74	32.54	377	103	P	V
	*	5310	90.51	-	-	83.81	32.5	6.74	32.54	377	103	A	V
		5350.32	53.02	-20.98	74	46.29	32.5	6.77	32.54	377	103	P	V
		5351.76	43.9	-10.1	54	37.17	32.5	6.77	32.54	377	103	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	45.04	-28.96	74	60.36	39.1	10.23	65.19	100	0	P	H
		15810	45.99	-28.01	74	57.6	38.38	13.85	64.58	100	0	P	H
													H
													H
		10540	45.41	-28.59	74	60.73	39.1	10.23	65.19	100	0	P	V
		15810	45.68	-28.32	74	57.29	38.38	13.85	64.58	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	44.73	-29.27	74	59.82	39.36	10.2	65.18	100	0	P	H
		15930	43.04	-30.96	74	54.86	38.33	13.97	64.85	100	0	P	H
													H
													H
		10620	45.4	-28.6	74	60.49	39.36	10.2	65.18	100	0	P	V
		15930	44.55	-29.45	74	56.37	38.33	13.97	64.85	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5112.2	47.4	-26.6	74	40.84	32.5	6.59	32.53	100	118	P	H
		5145.52	39.19	-14.81	54	32.62	32.5	6.61	32.54	100	118	A	H
	*	5290	100	-	-	93.31	32.5	6.73	32.54	100	118	P	H
	*	5290	92.21	-	-	85.52	32.5	6.73	32.54	100	118	A	H
		5353.44	60.13	-13.87	74	53.4	32.5	6.77	32.54	100	118	P	H
		5351.28	50.02	-3.98	54	43.29	32.5	6.77	32.54	100	118	A	H
		5027.54	47.53	-26.47	74	41.04	32.5	6.52	32.53	376	101	P	V
		5109.48	38.62	-15.38	54	32.06	32.5	6.59	32.53	376	101	A	V
	*	5302	95.06	-	-	88.37	32.5	6.73	32.54	376	101	P	V
		5367.84	54.2	-19.8	74	47.45	32.5	6.79	32.54	376	101	P	V
		5350.32	45.55	-8.45	54	38.82	32.5	6.77	32.54	376	101	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	46	-28	74	61.17	39.26	10.21	65.18	100	0	P	H
		15870	46.22	-27.78	74	57.97	38.35	13.9	64.73	100	0	P	H
													H
													H
		10580	46.09	-27.91	74	61.26	39.26	10.21	65.18	100	0	P	V
		15870	46.85	-27.15	74	58.6	38.35	13.9	64.73	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5452.88	48.2	-25.8	74	41.39	32.5	6.86	32.55	109	119	P	H
		5452.72	41.86	-12.14	54	35.05	32.5	6.86	32.55	109	119	A	H
	*	5500	104.64	-	-	97.81	32.5	6.88	32.55	109	119	P	H
	*	5500	98.23	-	-	91.4	32.5	6.88	32.55	109	119	A	H
													H
													H
		5400.4	46.51	-27.49	74	39.74	32.5	6.82	32.55	100	75	P	V
		5456.24	38.84	-15.16	54	32.03	32.5	6.86	32.55	100	75	A	V
	*	5500	99.74	-	-	92.91	32.5	6.88	32.55	100	75	P	V
	*	5500	93.19	-	-	86.36	32.5	6.88	32.55	100	75	A	V
													V
													V
802.11a CH 116 5580MHz		5441.2	47.9	-26.1	74	41.11	32.5	6.84	32.55	100	118	P	H
		5452.72	41.24	-12.76	54	34.43	32.5	6.86	32.55	100	118	A	H
	*	5580	104.23	-	-	97.27	32.61	6.94	32.59	100	118	P	H
	*	5580	98.1	-	-	91.14	32.61	6.94	32.59	100	118	A	H
		5759.33	47.12	-26.88	74	39.81	32.91	7.06	32.66	100	118	P	H
		5759.96	39.52	-14.48	54	32.21	32.91	7.06	32.66	100	118	A	H
		5460.4	47.89	-26.11	74	41.08	32.5	6.86	32.55	100	73	P	V
		5452.72	38.97	-15.03	54	32.16	32.5	6.86	32.55	100	73	A	V
	*	5580	97.33	-	-	90.37	32.61	6.94	32.59	100	73	P	V
	*	5580	91.27	-	-	84.31	32.61	6.94	32.59	100	73	A	V
		5727.2	47.68	-26.32	74	40.43	32.86	7.03	32.64	100	73	P	V
		5745.155	41.86	-12.14	54	34.58	32.89	7.04	32.65	100	73	A	V



802.11a CH 140 5700MHz	*	5700	102.61	-	-	95.42	32.8	7.02	32.63	100	117	P	H
	*	5700	96.2	-	-	89.01	32.8	7.02	32.63	100	117	A	H
		5734.84	49.64	-24.36	74	42.37	32.89	7.03	32.65	100	117	P	H
		5759.88	40.86	-13.14	54	33.55	32.91	7.06	32.66	100	117	A	H
													H
													H
	*	5700	97.41	-	-	90.22	32.8	7.02	32.63	100	75	P	V
	*	5700	90.15	-	-	82.96	32.8	7.02	32.63	100	75	A	V
		5753.96	47.69	-26.31	74	40.37	32.91	7.06	32.65	100	75	P	V
		5746.2	40.67	-13.33	54	33.39	32.89	7.04	32.65	100	75	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	46.86	-27.14	74	60.94	40.5	10	65.1	100	0	P	H
		16500	47.33	-26.67	74	58.87	38.9	13.97	65.1	100	0	P	H
													H
													H
		11000	47.53	-26.47	74	61.61	40.5	10	65.1	100	0	P	V
		16500	46.63	-27.37	74	58.17	38.9	13.97	65.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	45.92	-28.08	74	60.25	40.07	10.28	65.2	100	0	P	H
		16740	45.79	-28.21	74	56.42	39.62	13.94	64.86	100	0	P	H
													H
													H
		11160	45.66	-28.34	74	59.99	40.07	10.28	65.2	100	0	P	V
		16740	46.72	-27.28	74	57.35	39.62	13.94	64.86	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	46.12	-27.88	74	60.78	39.46	10.71	65.34	100	0	P	H
		17100	49.06	-24.94	74	58.19	40.72	13.96	64.46	100	0	P	H
													H
													H
		11400	46.56	-27.44	74	61.22	39.46	10.71	65.34	100	0	P	V
		17100	46.86	-27.14	74	55.99	40.72	13.96	64.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5382.96	49.33	-24.67	74	42.58	32.5	6.8	32.55	100	117	P	H
		5452.72	42.1	-11.9	54	35.29	32.5	6.86	32.55	100	117	A	H
	*	5500	105.32	-	-	98.49	32.5	6.88	32.55	100	117	P	H
	*	5500	98.19	-	-	91.36	32.5	6.88	32.55	100	117	A	H
													H
													H
		5399.6	47.02	-26.98	74	40.25	32.5	6.82	32.55	389	81	P	V
		5466.32	38.73	-15.27	54	31.91	32.5	6.87	32.55	389	81	A	V
	*	5500	100.35	-	-	93.52	32.5	6.88	32.55	389	81	P	V
	*	5500	94.02	-	-	87.19	32.5	6.88	32.55	389	81	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5376.16	47.9	-26.1	74	41.15	32.5	6.8	32.55	100	116	P	H
		5452.72	40.91	-13.09	54	34.1	32.5	6.86	32.55	100	116	A	H
	*	5580	104.68	-	-	97.72	32.61	6.94	32.59	100	116	P	H
	*	5580	98	-	-	91.04	32.61	6.94	32.59	100	116	A	H
		5751.14	47.59	-26.41	74	40.31	32.89	7.04	32.65	100	116	P	H
		5745.785	43.76	-10.24	54	36.48	32.89	7.04	32.65	100	116	A	H
		5389.36	46.86	-27.14	74	40.11	32.5	6.8	32.55	381	90	P	V
		5452.72	39.24	-14.76	54	32.43	32.5	6.86	32.55	381	90	A	V
	*	5580	99.44	-	-	92.48	32.61	6.94	32.59	381	90	P	V
	*	5580	93.41	-	-	86.45	32.61	6.94	32.59	381	90	A	V
		5737.91	47.76	-26.24	74	40.48	32.89	7.04	32.65	381	90	P	V
		5741.69	43.37	-10.63	54	36.09	32.89	7.04	32.65	381	90	A	V



802.11n HT20 CH 140 5700MHz	*	5700	102.11	-	-	94.92	32.8	7.02	32.63	100	119	P	H
	*	5700	96.26	-	-	89.07	32.8	7.02	32.63	100	119	A	H
		5736.6	51.28	-22.72	74	44	32.89	7.04	32.65	100	119	P	H
		5744.12	42.64	-11.36	54	35.36	32.89	7.04	32.65	100	119	A	H
													H
													H
	*	5700	98.56	-	-	91.37	32.8	7.02	32.63	364	89	P	V
	*	5700	92.97	-	-	85.78	32.8	7.02	32.63	364	89	A	V
		5761.4	47.87	-26.13	74	40.56	32.91	7.06	32.66	364	89	P	V
		5751.08	40.55	-13.45	54	33.27	32.89	7.04	32.65	364	89	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	46.59	-27.41	74	60.67	40.5	10	65.1	100	0	P	H
		16500	44.52	-29.48	74	56.06	38.9	13.97	65.1	100	0	P	H
													H
													H
		11000	46.91	-27.09	74	60.99	40.5	10	65.1	100	0	P	V
		16500	45.02	-28.98	74	56.56	38.9	13.97	65.1	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	45.51	-28.49	74	59.84	40.07	10.28	65.2	100	0	P	H
		16740	44.87	-29.13	74	55.5	39.62	13.94	64.86	100	0	P	H
													H
													H
		11160	45.95	-28.05	74	60.28	40.07	10.28	65.2	100	0	P	V
		16740	45.33	-28.67	74	55.96	39.62	13.94	64.86	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	46.35	-27.65	74	61.01	39.46	10.71	65.34	100	0	P	H
		17100	46.71	-27.29	74	55.84	40.72	13.96	64.46	100	0	P	H
													H
													H
		11400	46.26	-27.74	74	60.92	39.46	10.71	65.34	100	0	P	V
		17100	46.72	-27.28	74	55.85	40.72	13.96	64.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5457.45	55.51	-18.49	74	48.7	32.5	6.86	32.55	100	119	P	H
		5468.65	61.35	-6.85	68.2	54.53	32.5	6.87	32.55	100	119	P	H
		5458.85	47.14	-6.86	54	40.33	32.5	6.86	32.55	100	119	A	H
	*	5510	102.39	-	-	95.56	32.5	6.89	32.56	100	119	P	H
	*	5510	95.74	-	-	88.91	32.5	6.89	32.56	100	119	A	H
		5746.73	47.64	-20.56	68.2	40.36	32.89	7.04	32.65	100	119	P	H
		5459.9	48.77	-25.23	74	41.96	32.5	6.86	32.55	389	90	P	V
		5464.8	53.05	-15.15	68.2	46.24	32.5	6.86	32.55	389	90	P	V
		5457.45	41.23	-12.77	54	34.42	32.5	6.86	32.55	389	90	A	V
	*	5510	97.63	-	-	90.8	32.5	6.89	32.56	389	90	P	V
	*	5510	91.16	-	-	84.33	32.5	6.89	32.56	389	90	A	V
		5748.935	47.3	-20.9	68.2	40.02	32.89	7.04	32.65	389	90	P	V
802.11n HT40 CH 110 5550MHz		5465.5	48.99	-25.01	74	42.18	32.5	6.86	32.55	100	119	P	H
		5452.55	43.49	-10.51	54	36.68	32.5	6.86	32.55	100	119	A	H
	*	5550	103.17	-	-	96.25	32.58	6.91	32.57	100	119	P	H
	*	5550	96.33	-	-	89.41	32.58	6.91	32.57	100	119	A	H
		5726.57	47.46	-26.54	74	40.21	32.86	7.03	32.64	100	119	P	H
		5759.96	40.52	-13.48	54	33.21	32.91	7.06	32.66	100	119	A	H
		5455.7	47.51	-26.49	74	40.7	32.5	6.86	32.55	388	93	P	V
		5375.9	39.55	-14.45	54	32.81	32.5	6.79	32.55	388	93	A	V
	*	5550	98.18	-	-	91.26	32.58	6.91	32.57	388	93	P	V
	*	5550	91.75	-	-	84.83	32.58	6.91	32.57	388	93	A	V
		5732.24	46.62	-27.38	74	39.38	32.86	7.03	32.65	388	93	P	V
		5748.935	44.53	-9.47	54	37.25	32.89	7.04	32.65	388	93	A	V



802.11n HT40 CH 134 5670MHz		5431.2	47.72	-26.28	74	40.93	32.5	6.84	32.55	108	116	P	H
		5452.9	41.48	-12.52	54	34.67	32.5	6.86	32.55	108	116	A	H
	*	5670	100.52	-	-	93.36	32.78	7	32.62	108	116	P	H
	*	5670	93.93	-	-	86.77	32.78	7	32.62	108	116	A	H
		5730.98	53.08	-20.92	74	45.84	32.86	7.03	32.65	108	116	P	H
		5738.225	44.43	-9.57	54	37.15	32.89	7.04	32.65	108	116	A	H
		5443.8	46.05	-27.95	74	39.26	32.5	6.84	32.55	366	92	P	V
		5452.9	38.81	-15.19	54	32	32.5	6.86	32.55	366	92	A	V
	*	5670	96.93	-	-	89.77	32.78	7	32.62	366	92	P	V
	*	5670	89.67	-	-	82.51	32.78	7	32.62	366	92	A	V
		5730.665	47.09	-26.91	74	39.85	32.86	7.03	32.65	366	92	P	V
		5738.54	39.52	-14.48	54	32.24	32.89	7.04	32.65	366	92	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	47.28	-26.72	74	61.35	40.46	10.06	65.11	100	0	P	H
		16530	45.91	-28.09	74	47.87	39	13.97	55.62	100	0	P	H
													H
													H
		11020	46.56	-27.44	74	60.63	40.46	10.06	65.11	100	0	P	V
		16530	44.78	-29.22	74	56.19	39	13.97	65.07	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	46.69	-27.31	74	60.91	40.24	10.18	65.16	100	0	P	H
		16650	45.62	-28.38	74	56.56	39.37	13.95	64.94	100	0	P	H
													H
													H
		11100	46.16	-27.84	74	60.38	40.24	10.18	65.16	100	0	P	V
		16650	47.04	-26.96	74	57.98	39.37	13.95	64.94	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	45.01	-28.99	74	59.58	39.63	10.58	65.3	100	0	P	H
		17010	46.87	-27.13	74	56.43	40.45	13.92	64.58	100	0	P	H
													H
													H
		11340	45.14	-28.86	74	59.71	39.63	10.58	65.3	100	0	P	V
		17010	45.99	-28.01	74	55.55	40.45	13.92	64.58	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5467.36	57.75	-16.25	74	50.93	32.5	6.87	32.55	100	118	P	H
		5463.04	48.24	-5.76	54	41.43	32.5	6.86	32.55	100	118	A	H
	*	5530	99.18	-	-	92.32	32.53	6.9	32.57	100	118	P	H
	*	5530	91.61	-	-	84.75	32.53	6.9	32.57	100	118	A	H
		5752.4	49.66	-24.34	74	42.36	32.91	7.04	32.65	100	118	P	H
		5746.1	40.16	-13.84	54	32.88	32.89	7.04	32.65	100	118	A	H
		5467.25	50.31	-23.69	74	43.49	32.5	6.87	32.55	393	96	P	V
		5458.85	42.55	-11.45	54	35.74	32.5	6.86	32.55	393	96	A	V
	*	5530	94.8	-	-	87.94	32.53	6.9	32.57	393	96	P	V
	*	5530	86.76	-	-	79.9	32.53	6.9	32.57	393	96	A	V
		5754.605	47.01	-26.99	74	39.69	32.91	7.06	32.65	393	96	P	V
		5740.43	47.48	-6.52	54	40.2	32.89	7.04	32.65	393	96	A	V
802.11ac VHT80 CH 122 5610MHz		5363.65	47.22	-26.78	74	40.47	32.5	6.79	32.54	100	119	P	H
		5452.55	41.1	-12.9	54	34.29	32.5	6.86	32.55	100	119	A	H
	*	5610	99.28	-	-	92.25	32.67	6.96	32.6	100	119	P	H
	*	5610	92.06	-	-	85.03	32.67	6.96	32.6	100	119	A	H
		5738.225	48.66	-25.34	74	41.38	32.89	7.04	32.65	100	119	P	H
		5745.47	41.4	-12.6	54	34.12	32.89	7.04	32.65	100	119	A	H
		5440.65	46.82	-27.18	74	40.03	32.5	6.84	32.55	376	94	P	V
		5452.9	40.24	-13.76	54	33.43	32.5	6.86	32.55	376	94	A	V
	*	5610	94.9	-	-	87.87	32.67	6.96	32.6	376	94	P	V
	*	5610	87.1	-	-	80.07	32.67	6.96	32.6	376	94	A	V
		5759.96	49.42	-24.58	74	42.11	32.91	7.06	32.66	376	94	P	V
		5752.085	44.95	-9.05	54	37.65	32.91	7.04	32.65	376	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	46.38	-27.62	74	60.55	40.33	10.12	65.14	100	0	P	H
		16590	45.88	-28.12	74	57.09	39.16	13.96	65.01	100	0	P	H
													H
													H
		11060	45.77	-28.23	74	59.94	40.33	10.12	65.14	100	0	P	V
		16590	49.17	-24.83	74	60.38	39.16	13.96	65.01	100	0	P	V
													V
													V
802.11ac VHT80 CH 122 5610MHz		11220	45.71	-28.29	74	60.08	39.94	10.4	65.23	100	0	P	H
		16830	46.64	-27.36	74	56.93	39.88	13.93	64.77	100	0	P	H
													H
													H
		11220	46.42	-27.58	74	60.79	39.94	10.4	65.23	100	0	P	V
		16830	46.28	-27.72	74	56.57	39.88	13.93	64.77	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

[illegible]



Note symbol

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

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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



Appendix D. Radiated Spurious Emission

Test Engineer :	Tsung Lee, Stan Hsieh, and Kyle Chuang	Temperature :	22~25°C
		Relative Humidity :	44~45%

Note symbol

-L	Low channel location
-R	High channel location

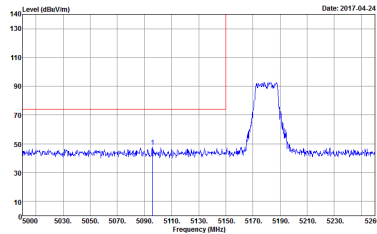
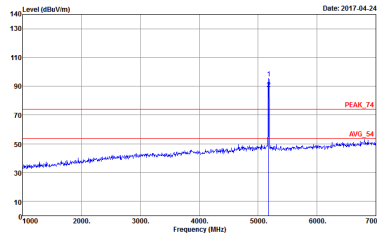
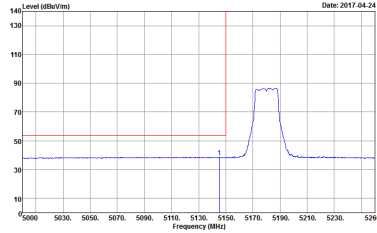


Band 1 - 5150~5250MHz

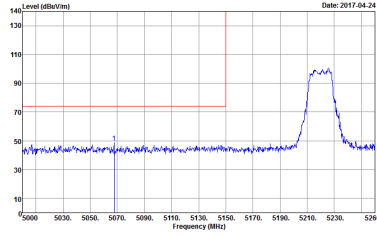
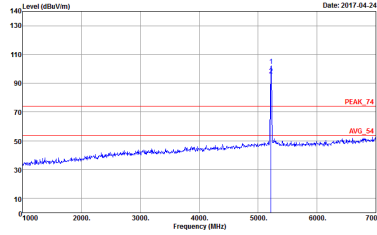
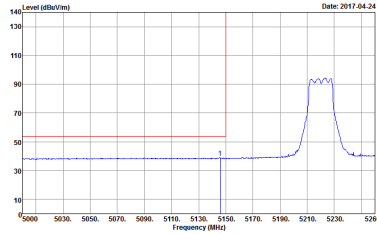
WIFI 802.11a (Band Edge @ 3m)

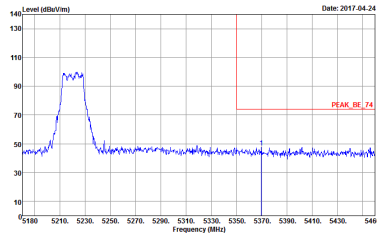
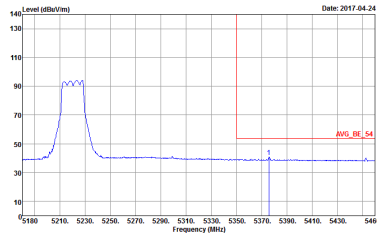
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 1	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 1
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 1	Left blank



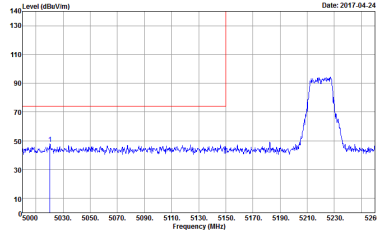
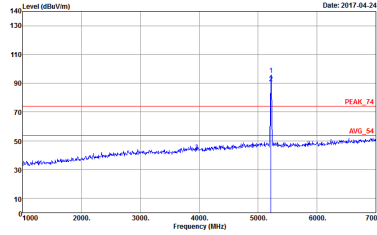
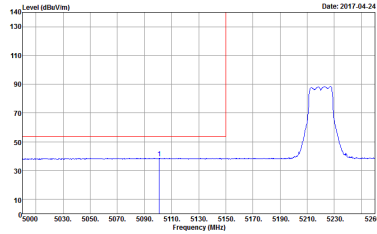
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740120 Mode : 1	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740120 Mode : 1
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : 740120 Mode : 1	Left blank

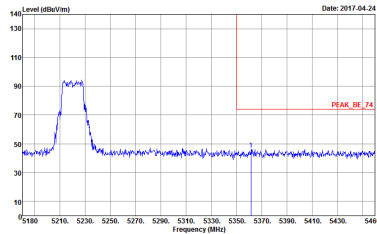
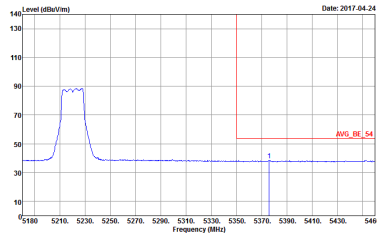


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	Left blank

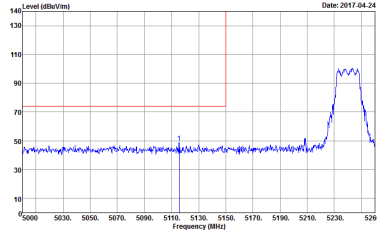
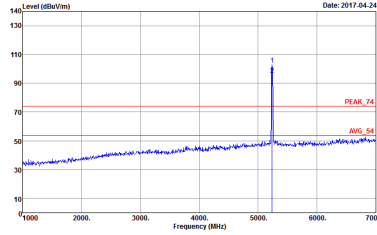
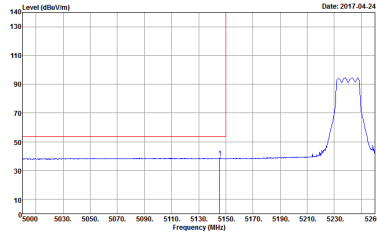
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	Left blank

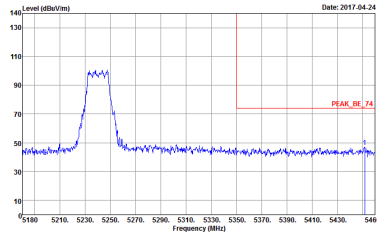
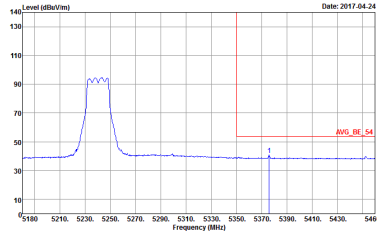


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	Left blank

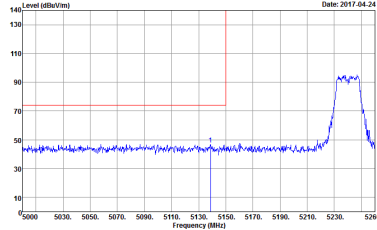
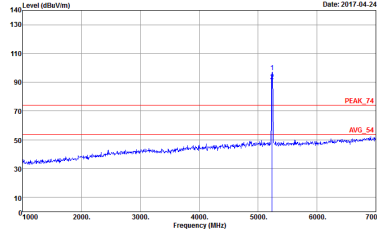
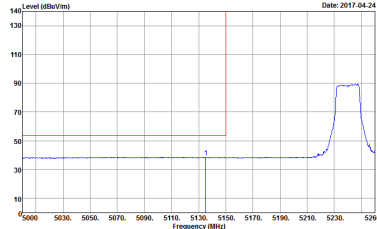
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 2	Left blank



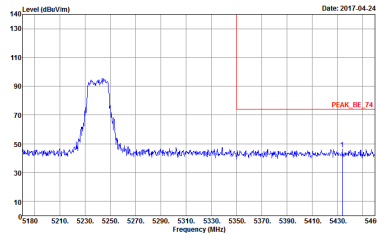
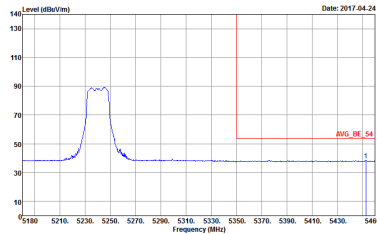
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	Left blank

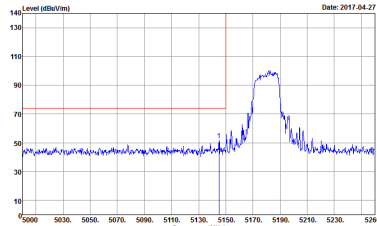
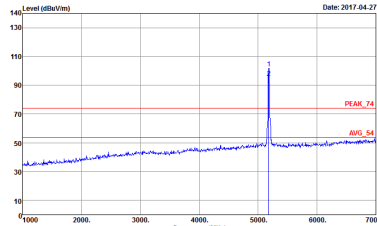
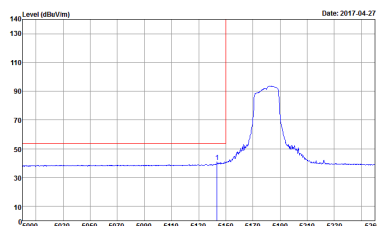


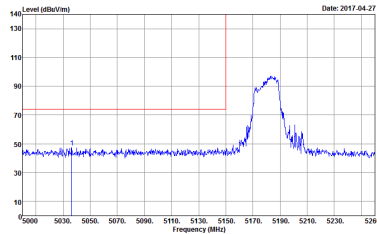
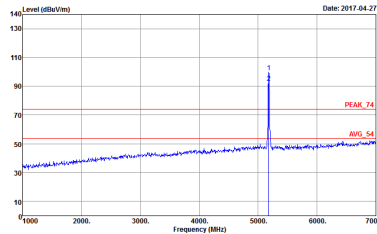
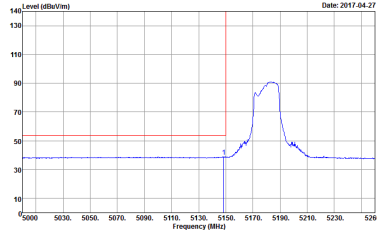
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	Left blank

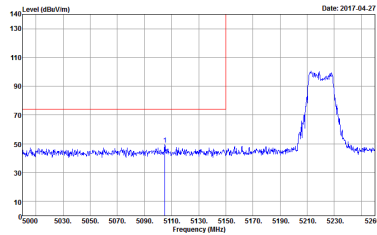
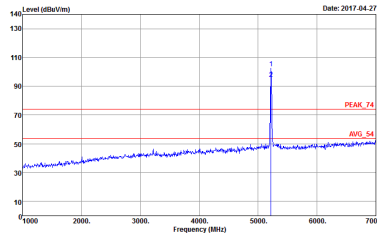
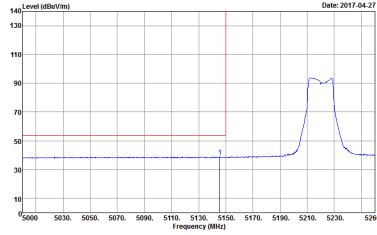


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 3	Left blank

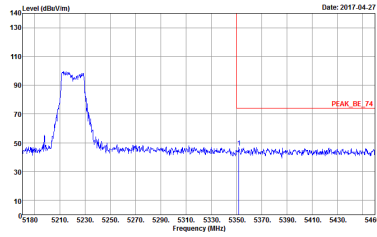
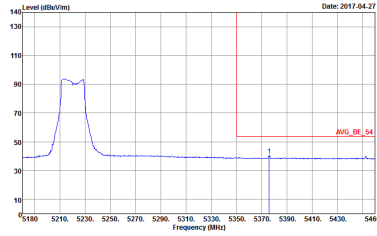
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

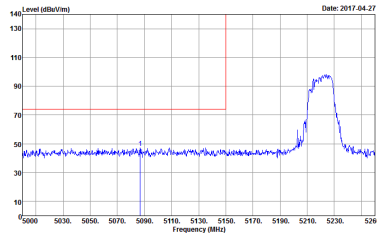
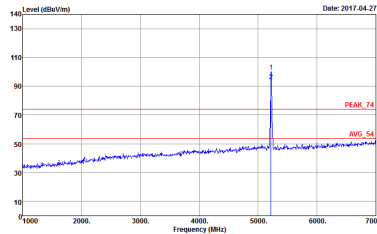
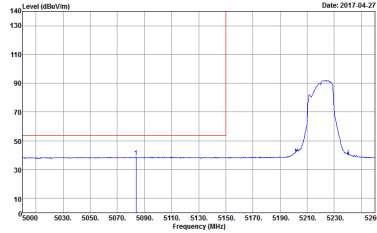
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-JF HORIZONTAL Detector : Peak Project : 740120 Mode : 10	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-JF HORIZONTAL Detector : Peak Project : 740120 Mode : 10
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-JF HORIZONTAL Detector : Peak Project : 740120 Mode : 10	Left blank

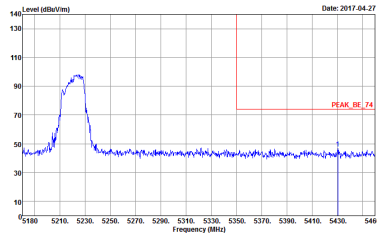
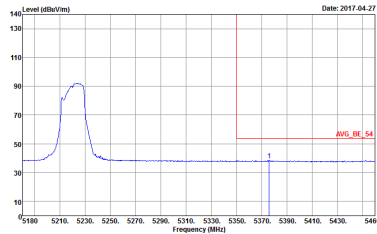
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 10	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 10
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 10	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 11
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 11	Left blank

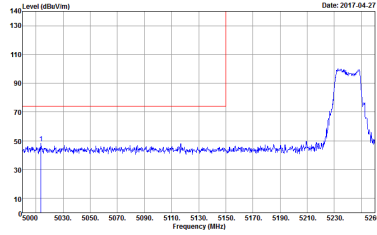
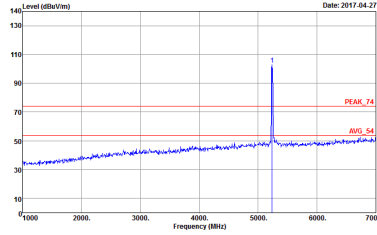
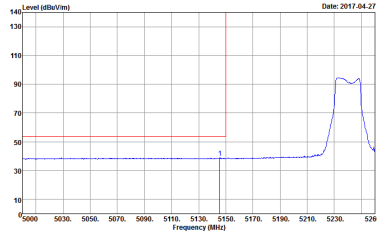


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 11	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 11	Left blank

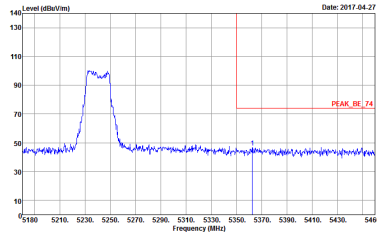
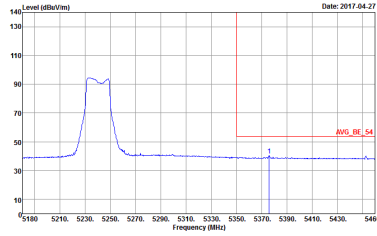
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 11
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 11	Left blank

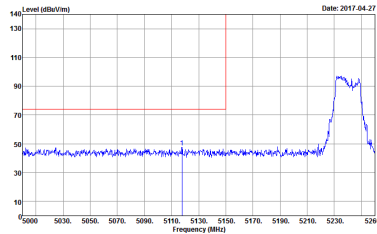
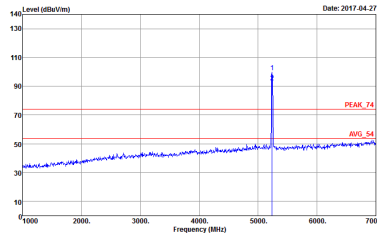
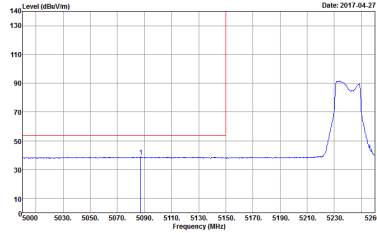
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 11	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 11	Left blank

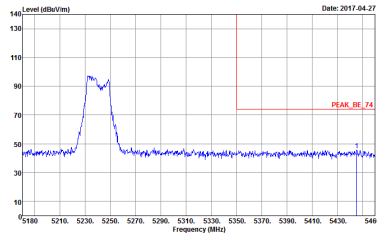
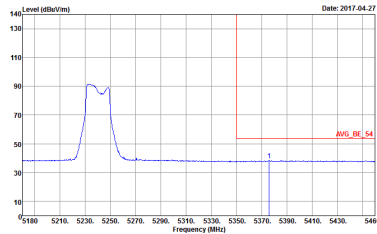


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 12	Left blank

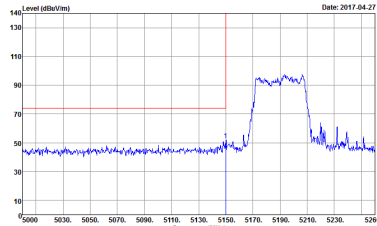
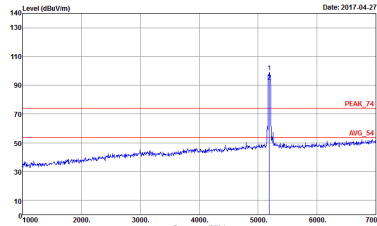
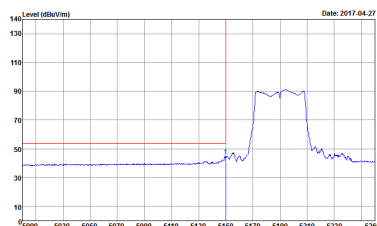


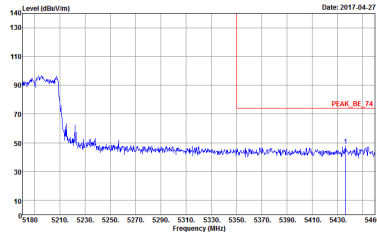
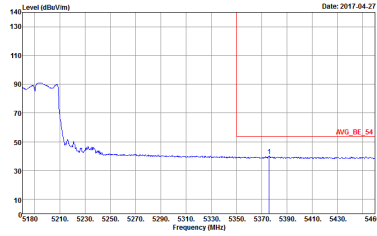
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 12	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 12	Left blank

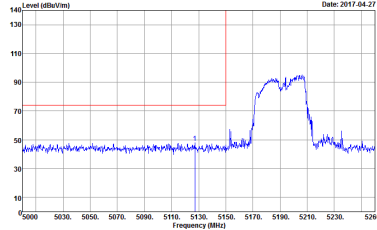
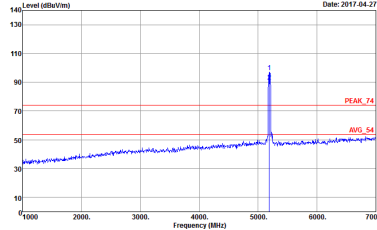
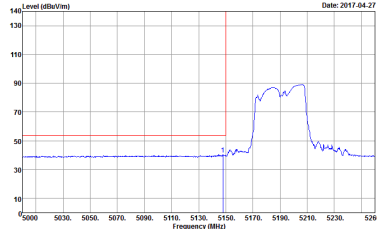
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 12	Left blank

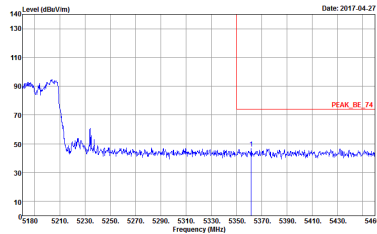
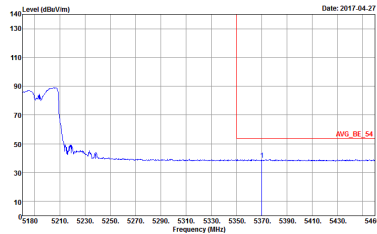
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 12	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 12	Left blank

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

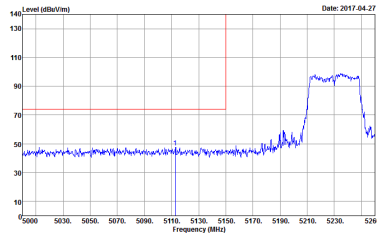
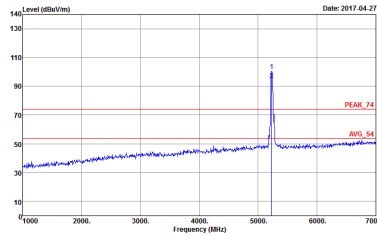
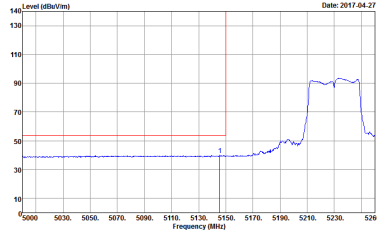
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-JF HORIZONTAL Detector : Peak Project : 740120 Mode : 19	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-JF HORIZONTAL Detector : Peak Project : 740120 Mode : 19
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-JF HORIZONTAL Detector : Peak Project : 740120 Mode : 19	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 19	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 19	Left blank

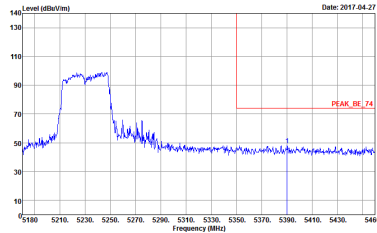
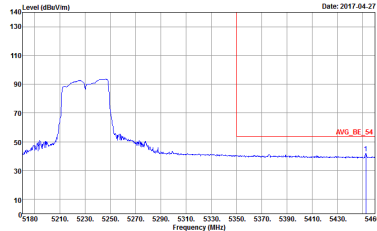
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 19	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 19
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 19	Left blank

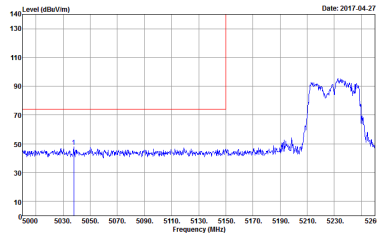
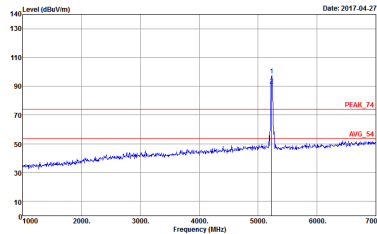
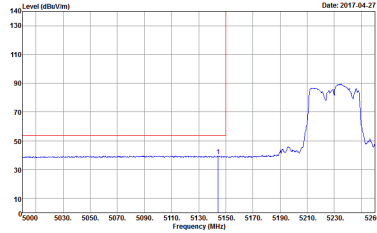
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 19	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 19	Left blank



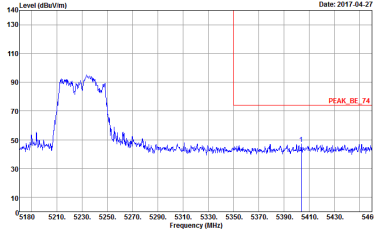
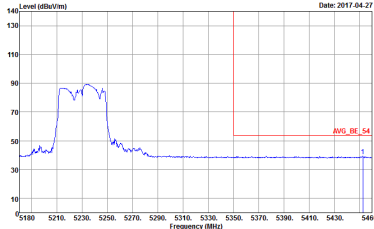
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 20	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 20
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 20	Left blank



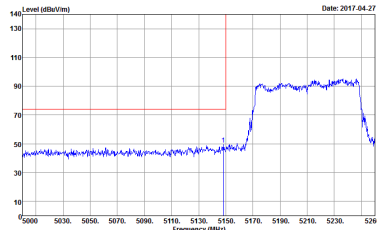
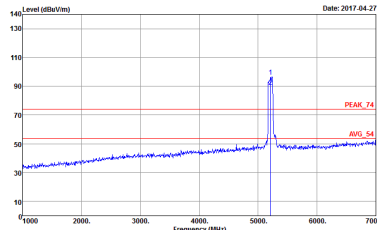
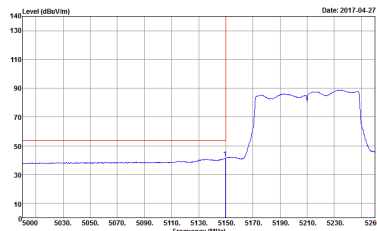
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 20	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 20	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 20	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 20
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 20	Left blank

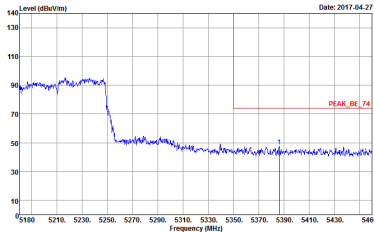
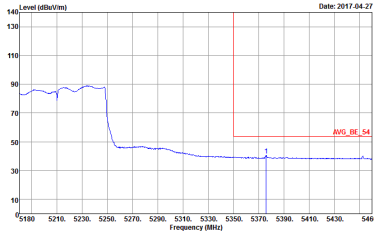


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z0	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z0	Left blank

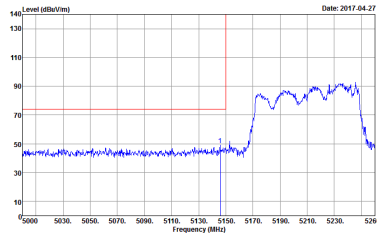
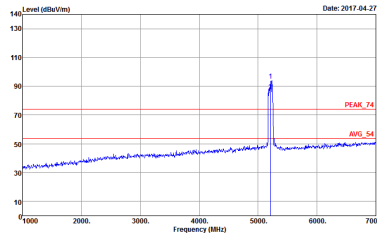
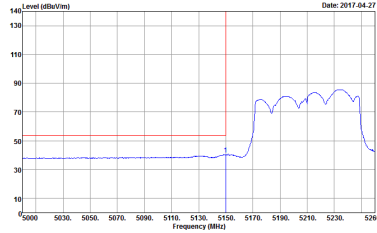
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

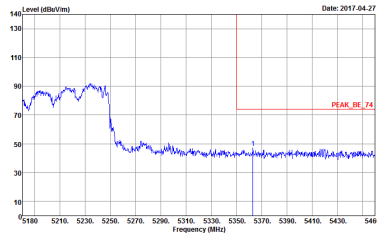
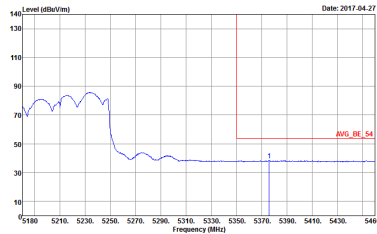
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	Left blank



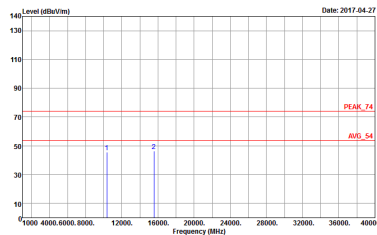
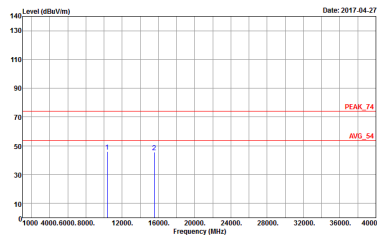
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	Left blank



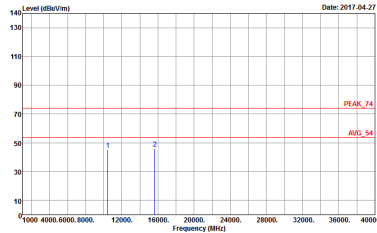
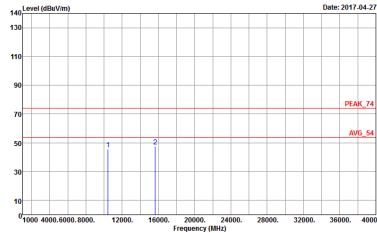
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	Left blank

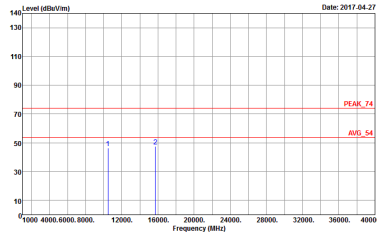
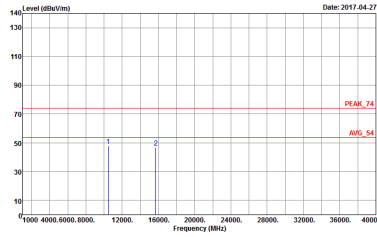
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z6	Left blank

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

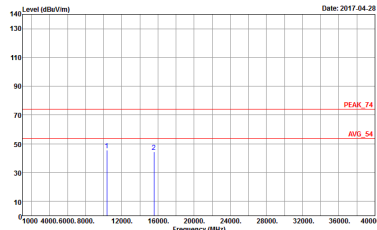
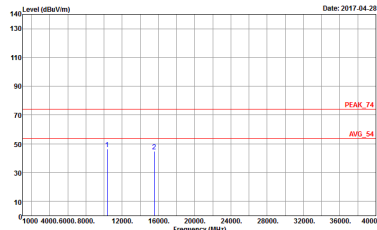
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 1	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 1

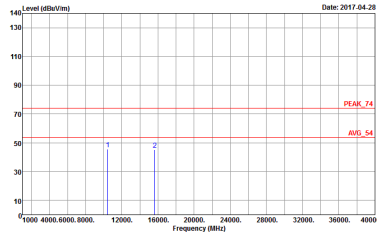
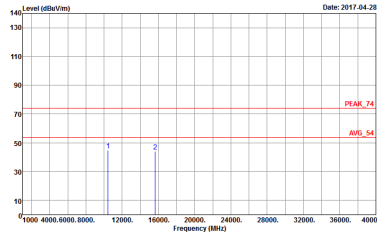


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 2	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 2

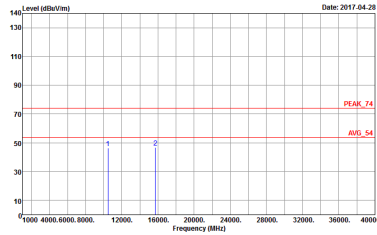
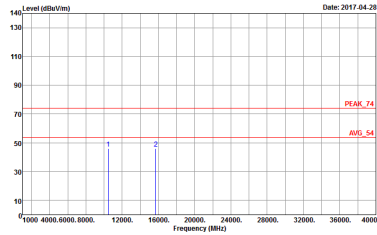
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 3	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 3

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

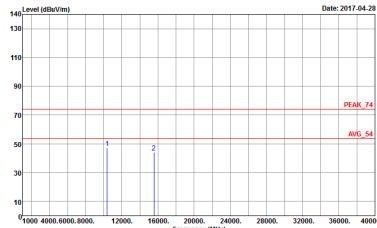
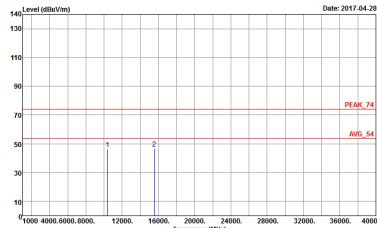
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 10	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 10

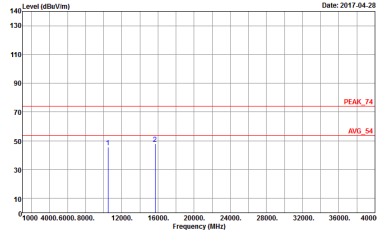
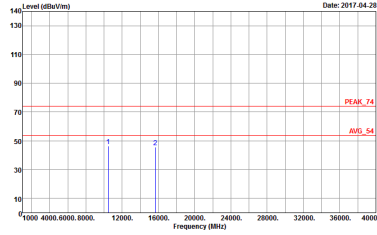
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 11	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 11



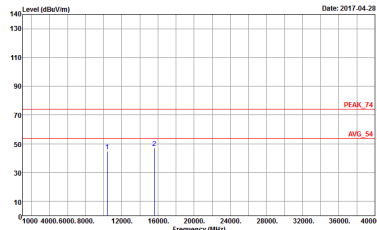
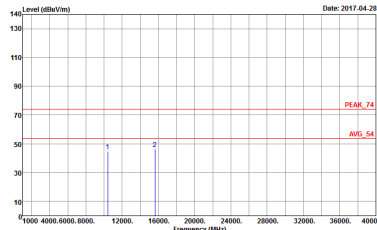
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 12	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 12

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

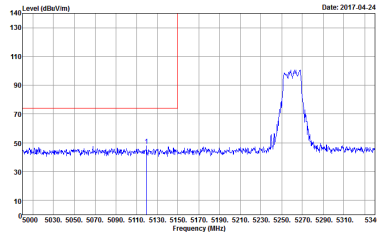
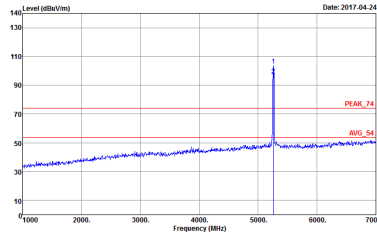
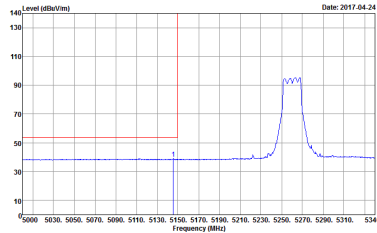
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 19	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 19

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 20	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 20

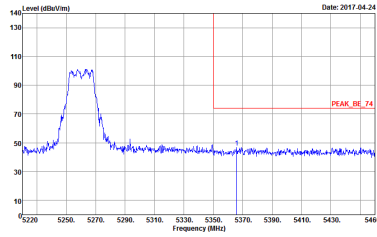
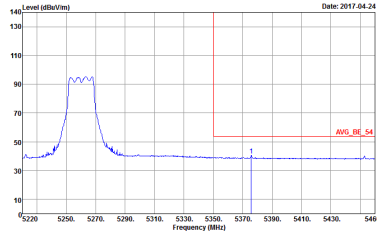
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

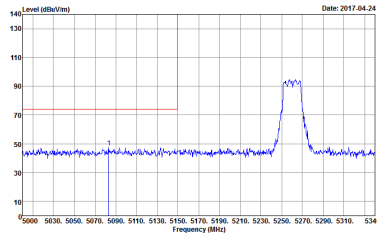
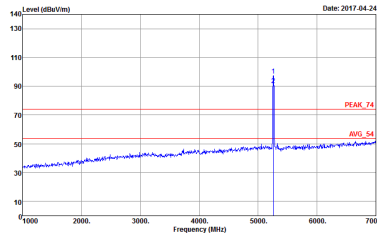
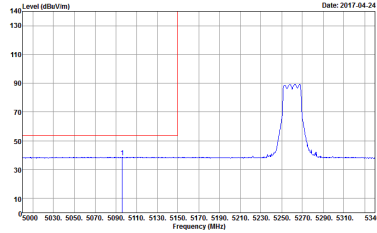
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : Z6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : Z6

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

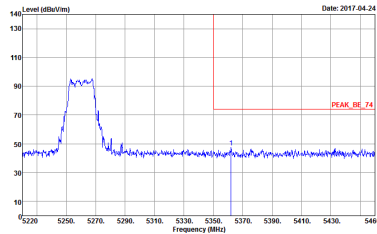
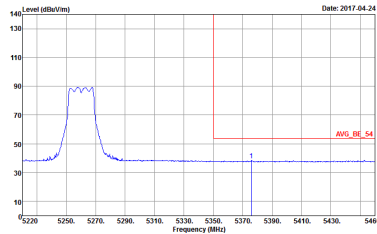
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4	Left blank



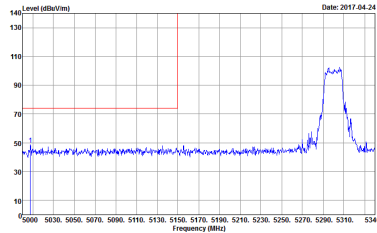
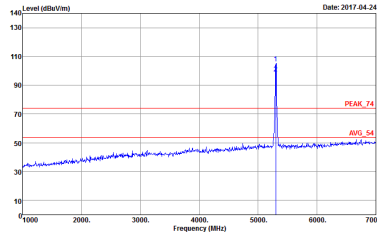
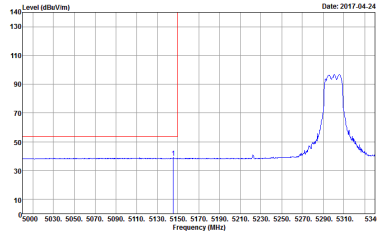
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4	Left blank

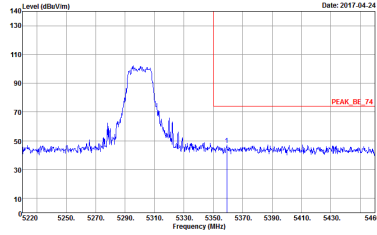
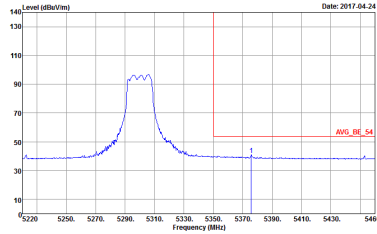


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4 Date: 2017.04.24	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 4 Date: 2017.04.24	Left blank

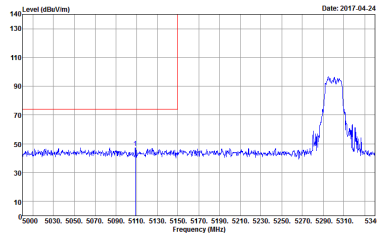
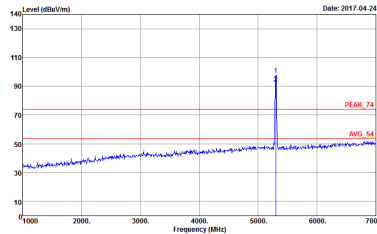
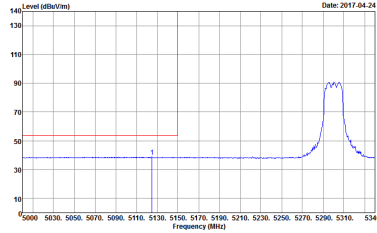


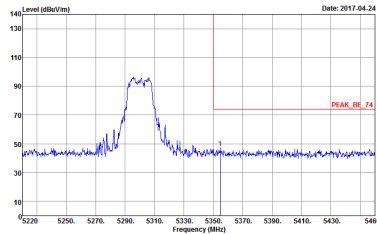
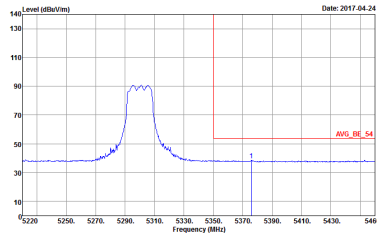
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	Left blank

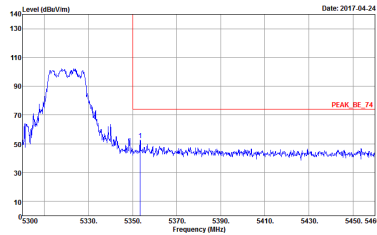
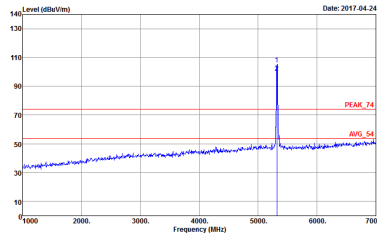
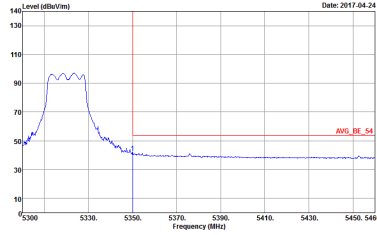


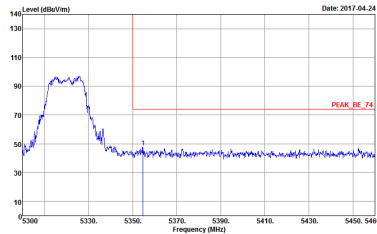
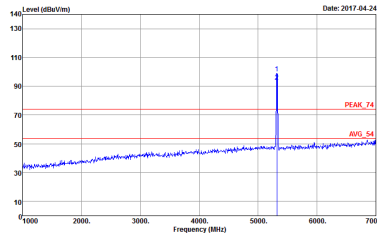
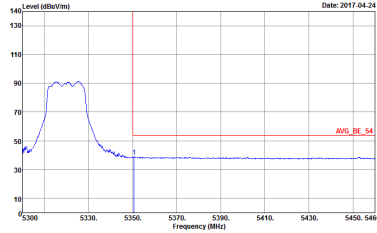
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	Left blank

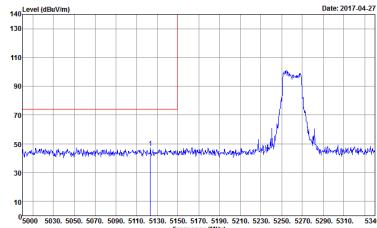
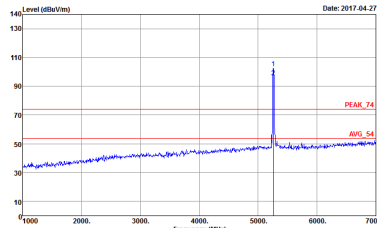
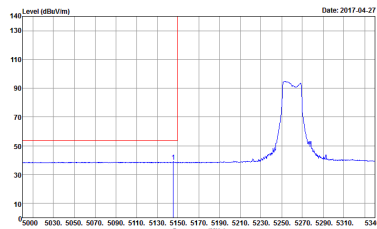
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 6
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 6	Left blank

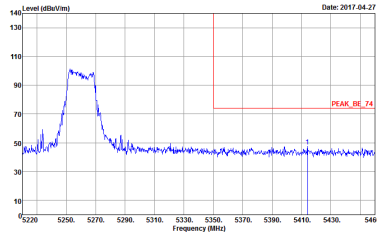
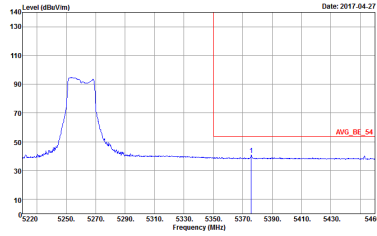
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 6
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 6	Left blank

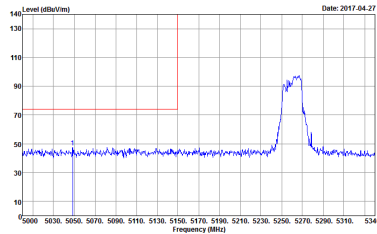
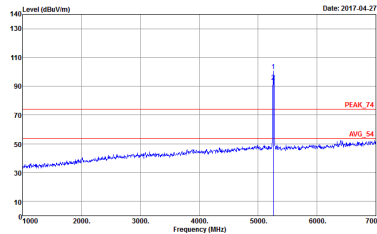
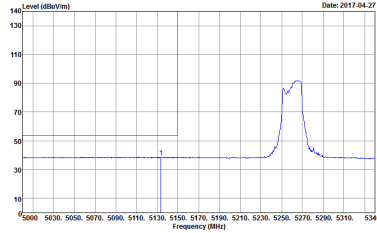


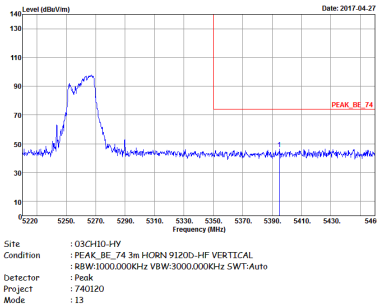
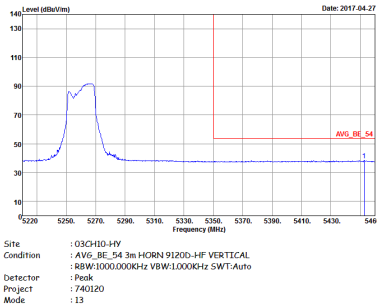
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

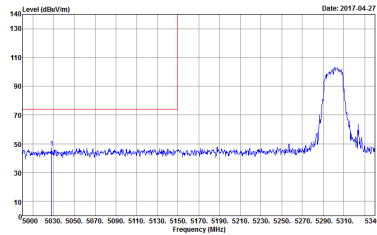
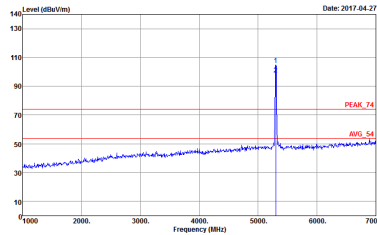
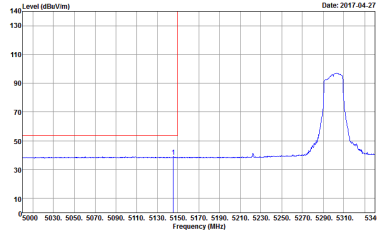
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-IHY Condition : PEAK_BE_74 3m HORN 9120D-JF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13	 Site : 03CH10-IHY Condition : PEAK_74 3m HORN 9120D-JF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13
Avg.	 Site : 03CH10-IHY Condition : AVG_BE_54 3m HORN 9120D-JF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13	Left blank



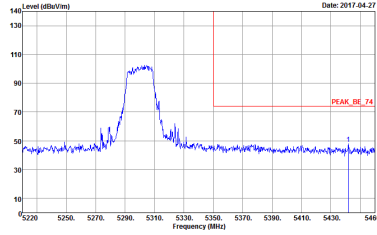
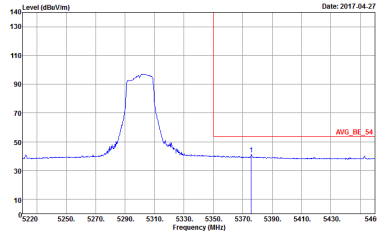
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13	Left blank

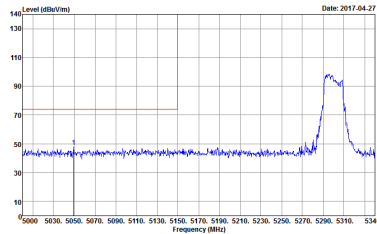
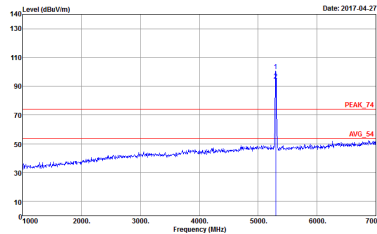
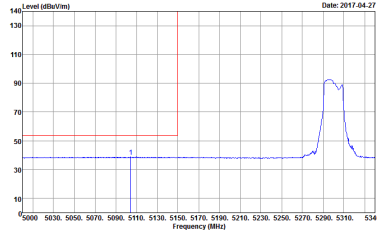
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 13	Left blank

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

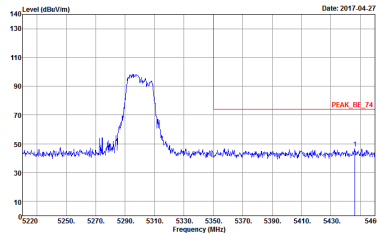
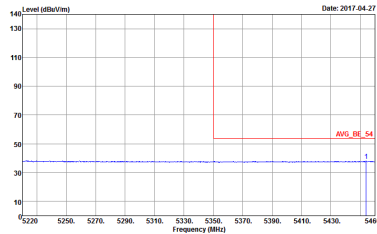
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	Left blank



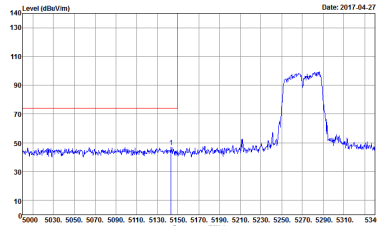
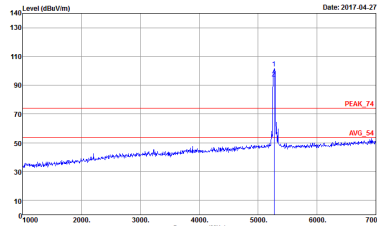
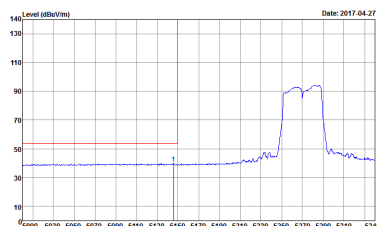
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	Left blank

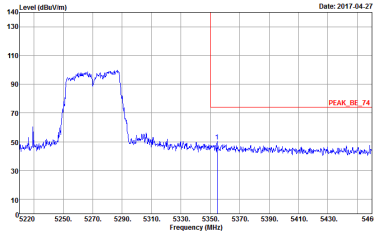
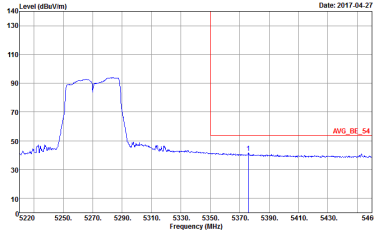


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 14	Left blank

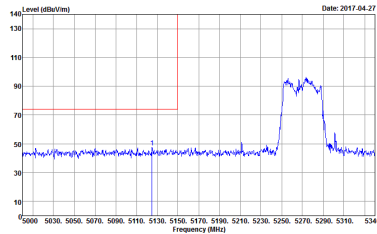
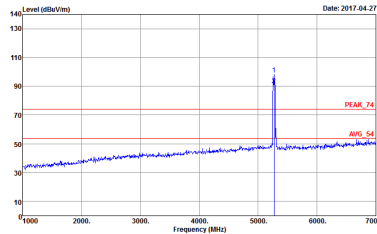
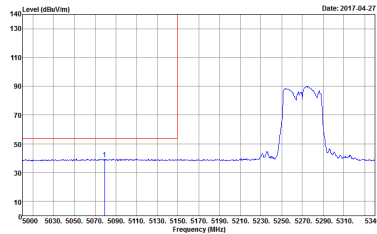
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

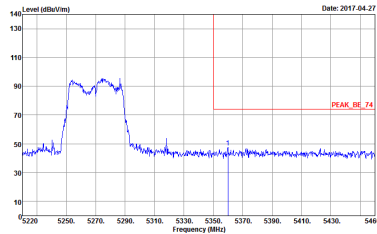
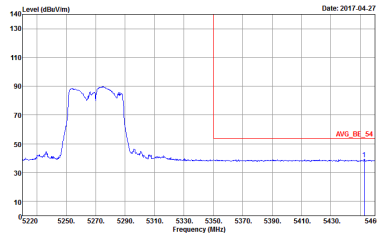
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH100-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1	 Site : 03CH100-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1
Avg.	 Site : 03CH100-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1	Left blank

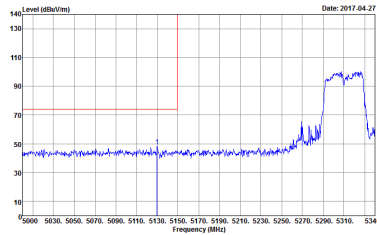
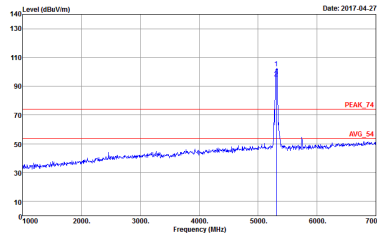
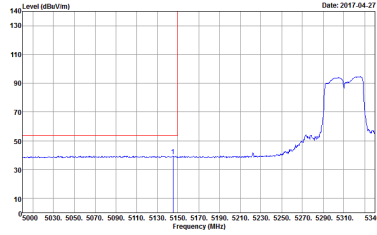


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1	Left blank

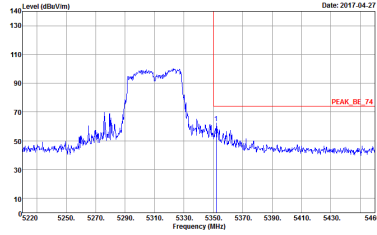
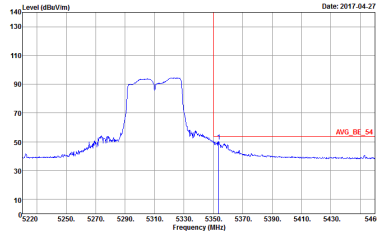


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Vertical	Vertical
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z1	Left blank

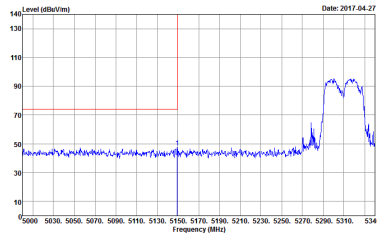
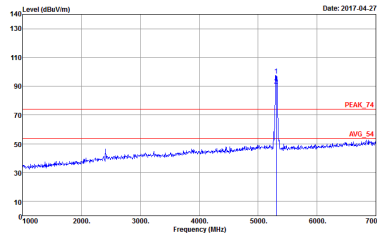
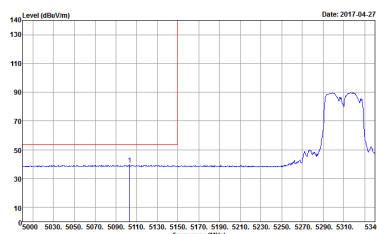
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Vertical	Vertical
Peak	 Site: 03CH10-HY Condition: PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak Project: 740120 Mode: Z1	Left blank
Avg.	 Site: 03CH10-HY Condition: AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak Project: 740120 Mode: Z1	Left blank

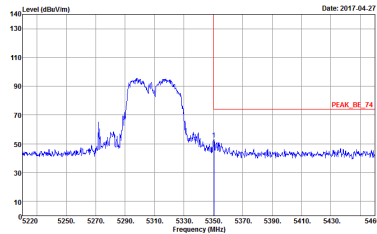
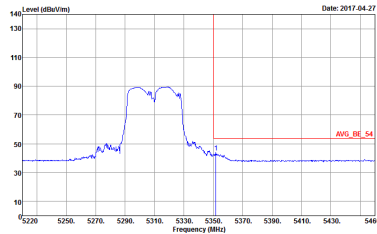
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : ZF	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : ZF	Left blank



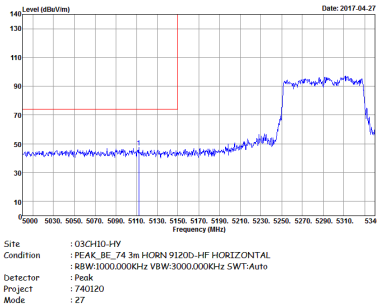
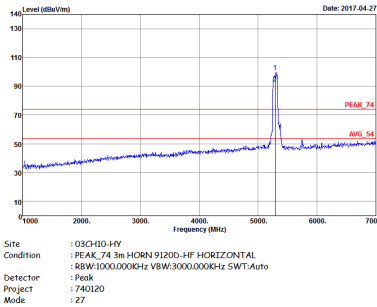
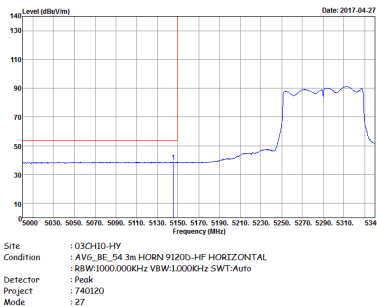
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z2	Left blank

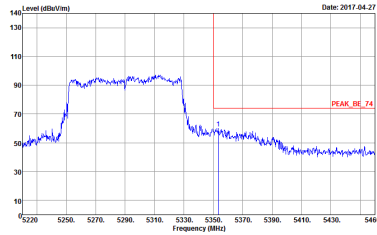
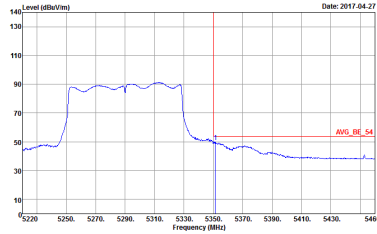


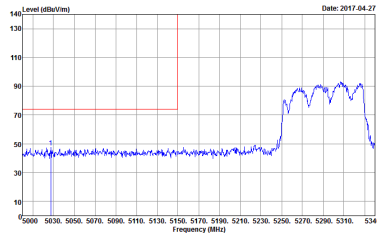
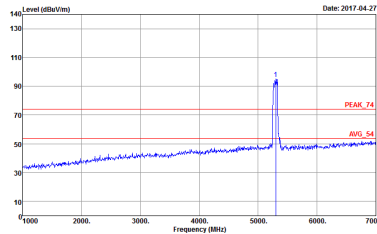
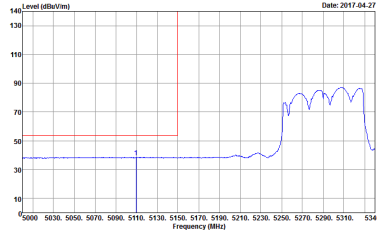
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

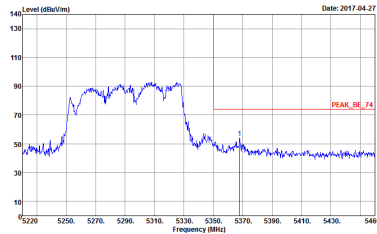
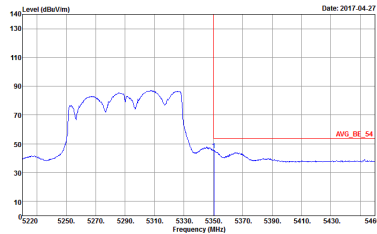
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank



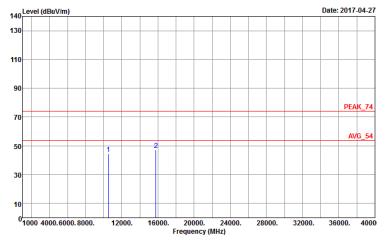
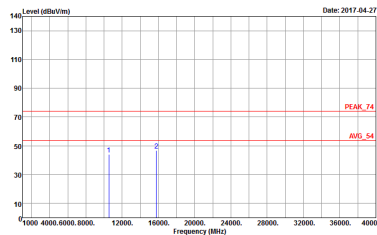
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : ZF	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : ZF	Left blank

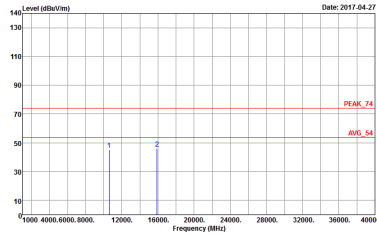
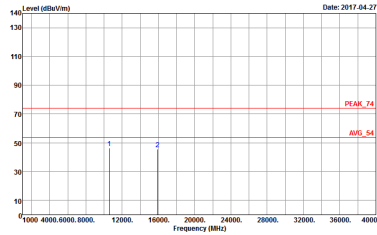
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 27	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 27
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 27	Left blank



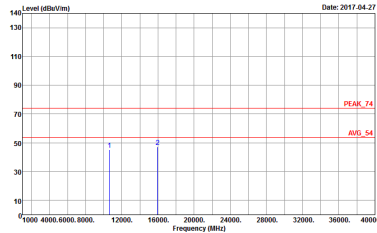
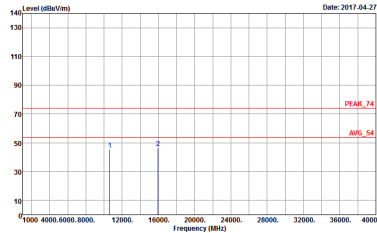
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z7	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z7	Left blank

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : -4	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : -4

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 5	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 5



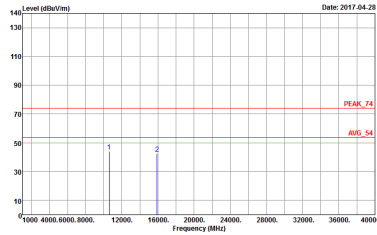
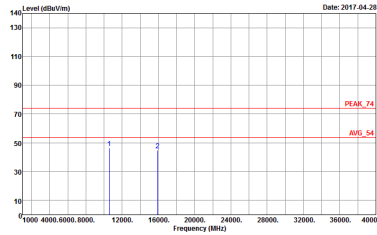
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 6	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 6



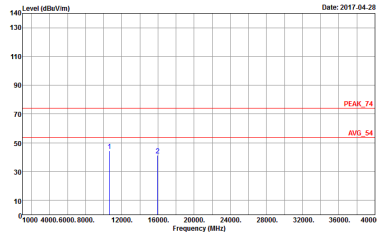
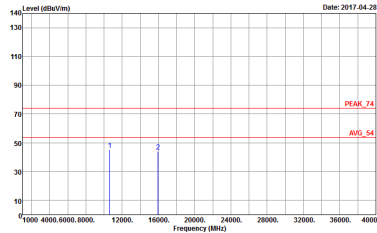
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 13	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 13



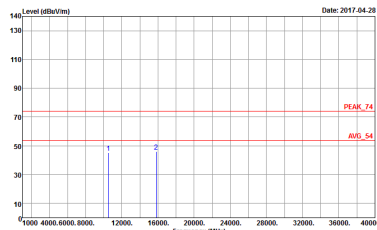
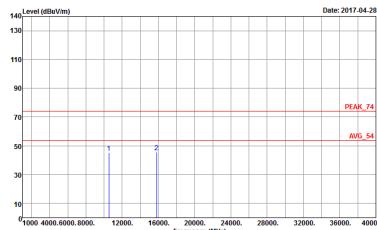
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 14	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 14



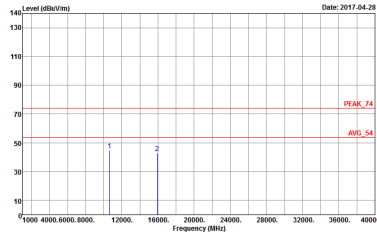
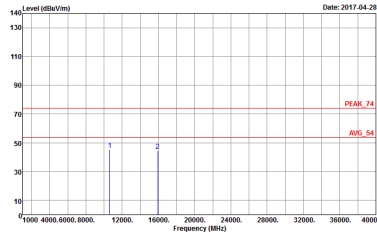
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 15	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 15



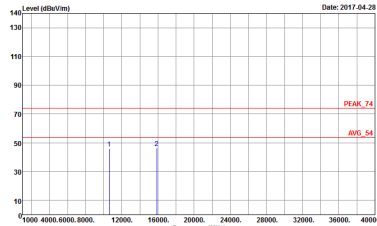
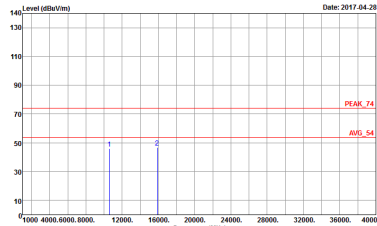
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : Z1	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : Z1

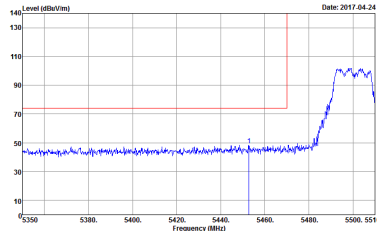
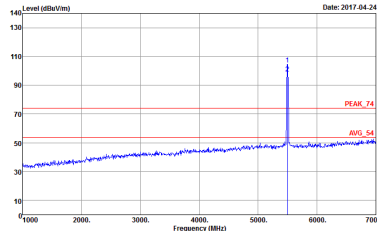
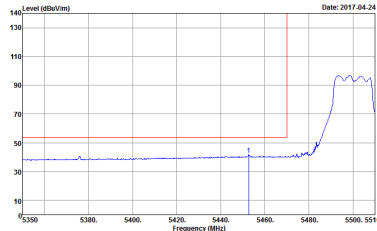


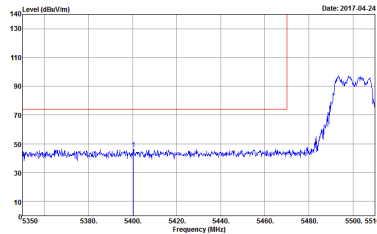
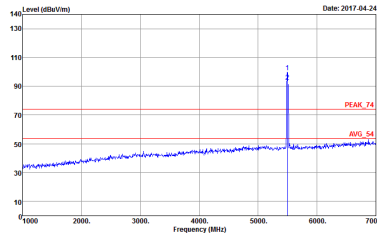
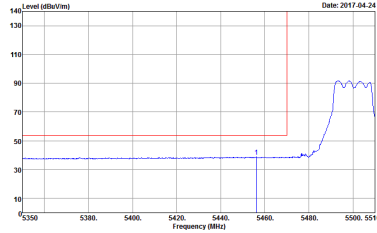
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 22	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 22

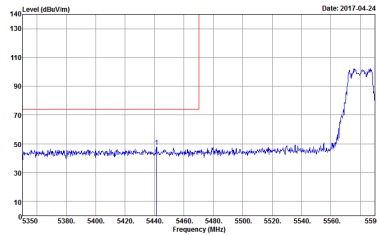
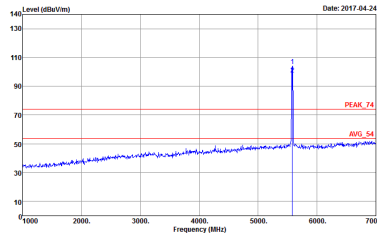
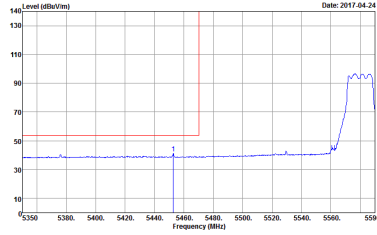
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

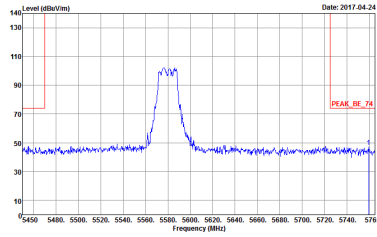
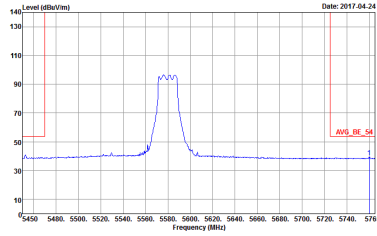
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : Z7	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : Z7

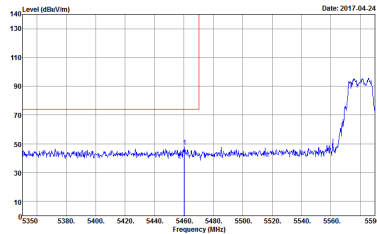
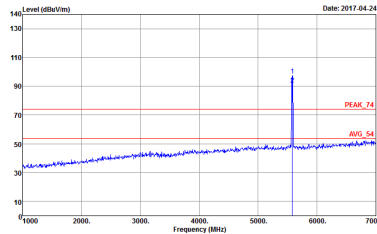
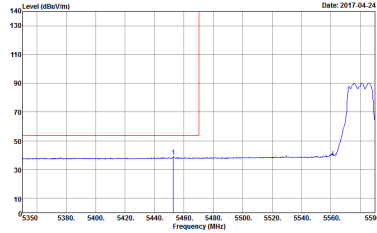
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

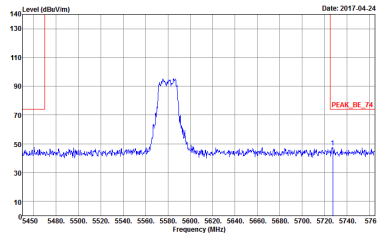
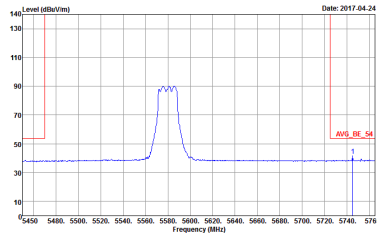
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH100-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 7	 Site : 03CH100-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 7
	 Site : 03CH100-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:1000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 7	Left blank

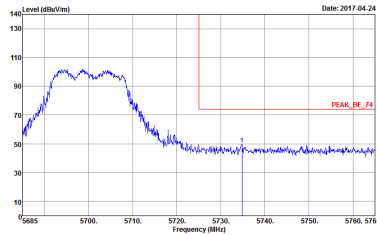
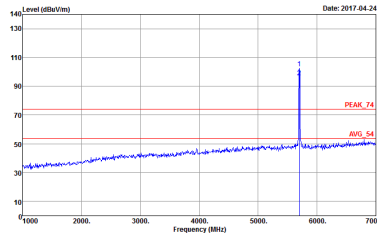
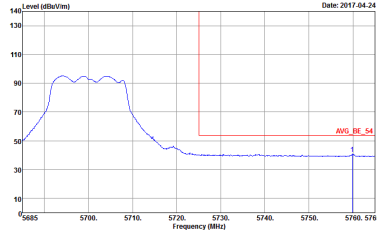
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 740120 : 7	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 740120 : 7
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 740120 : 7	Left blank

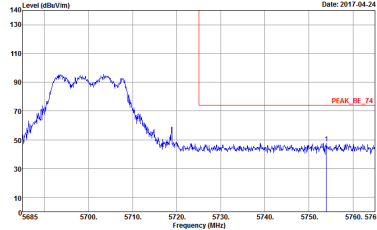
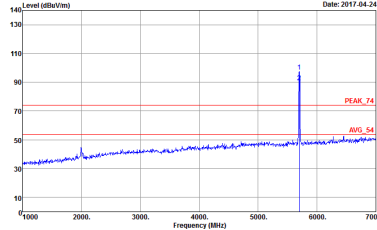
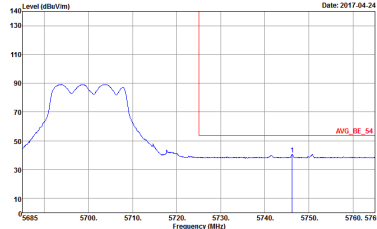
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : B	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : B
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : B	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : B	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : B	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : B	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : B
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : B	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 8	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 8	Left blank

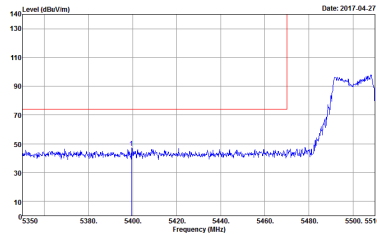
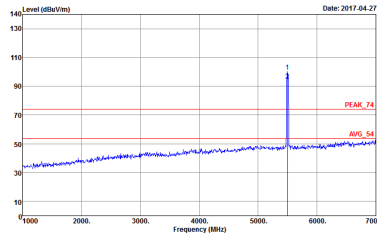
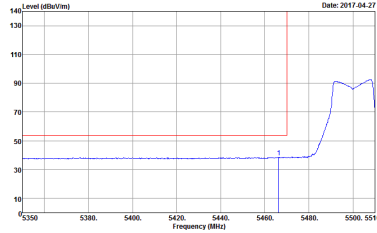
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 9
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 9	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 9
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 9	Left blank

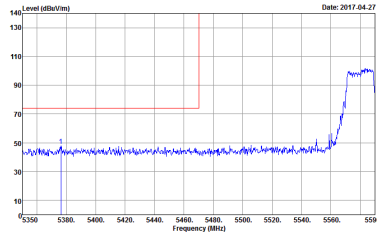
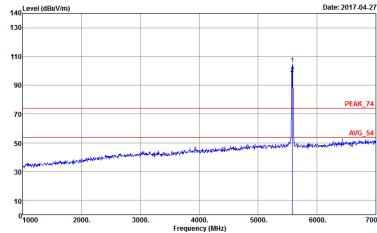
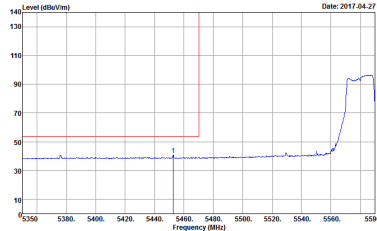


Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

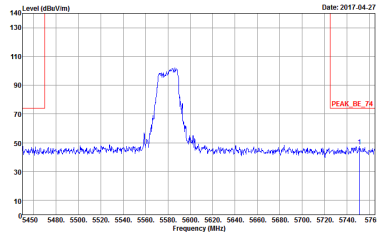
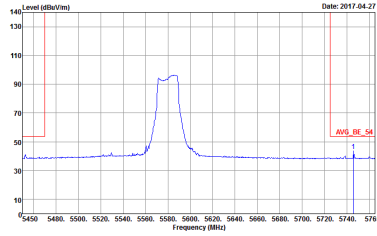
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	Site : 03CH100-HY Condition : PEAK_BE_74 3m HORN 9120D-JF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 16	Site : 03CH100-HY Condition : PEAK_74 3m HORN 9120D-JF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 16
Avg.	Site : 03CH100-HY Condition : AVG_BE_54 3m HORN 9120D-JF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 16	Left blank

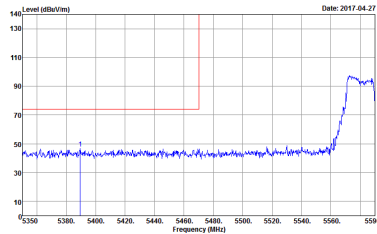
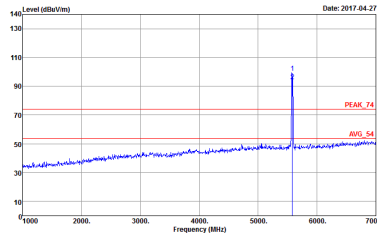
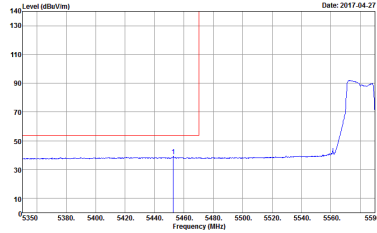
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 16	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 16
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 16	Left blank

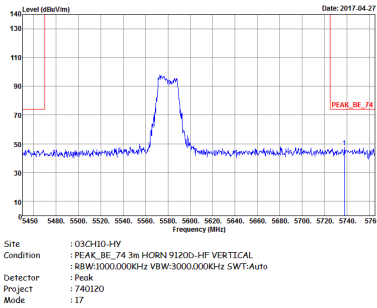
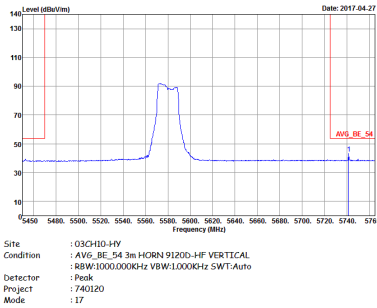


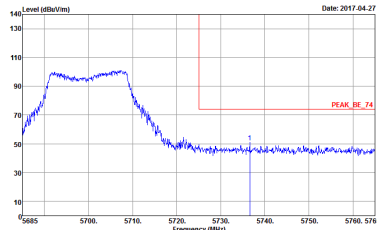
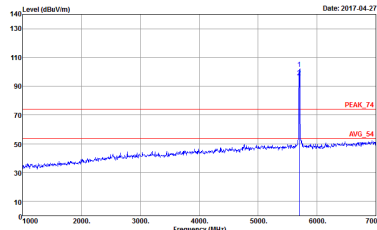
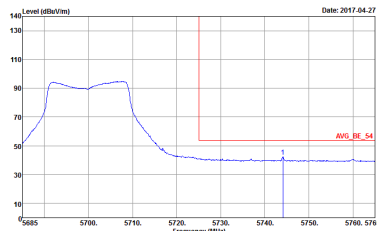
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 17	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 17
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 17	Left blank

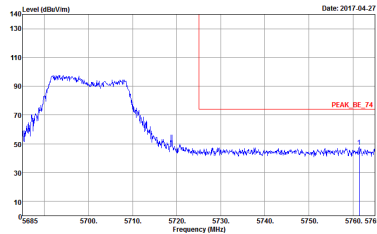
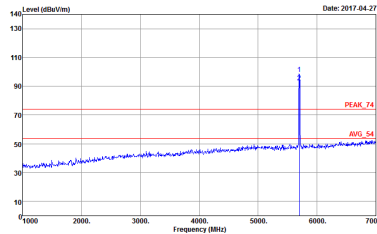
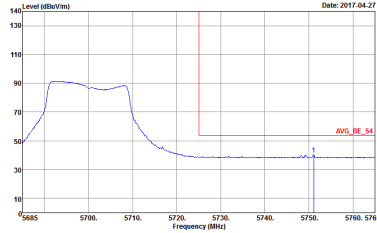


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 17	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : 17	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 17	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 17
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 17	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

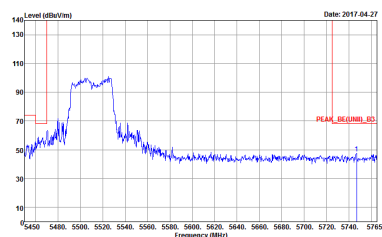
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 1B	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 1B
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 1B	Left blank

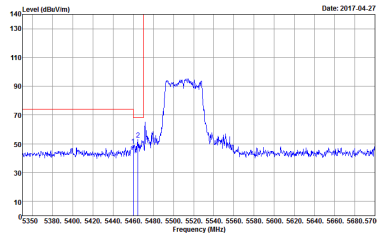
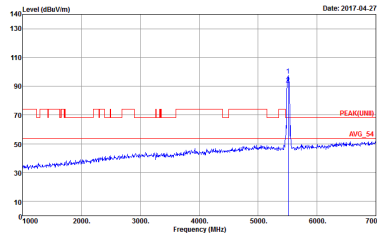
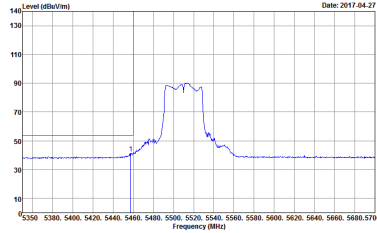
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak.	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 1B	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 1B
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 1B	Left blank



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

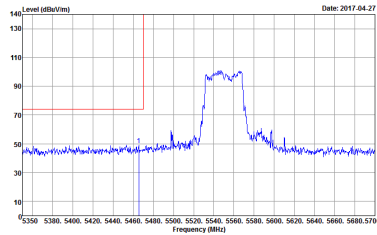
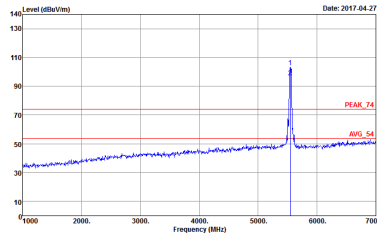
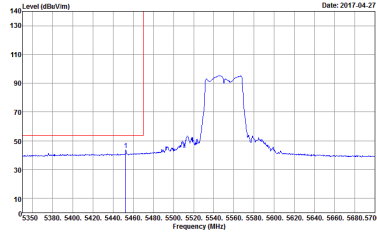
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH10-IHY Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740120 Mode : Z3	Site : 03CH10-IHY Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740120 Mode : Z3
Avg.	Site : 03CH10-IHY Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740120 Mode : Z3	Left blank

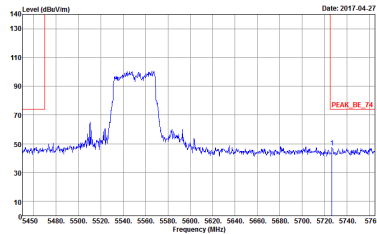
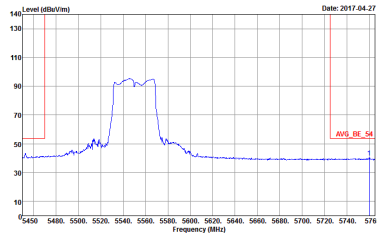
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : USCH102-HF Condition : PEAK_BE([UNIT]), B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 740120 Mode : Z3	Left blank

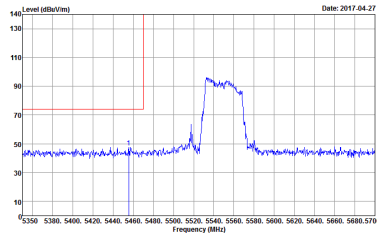
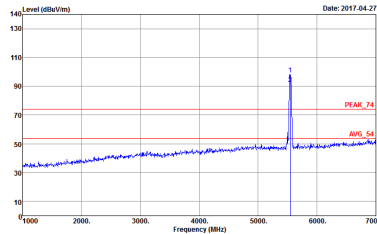
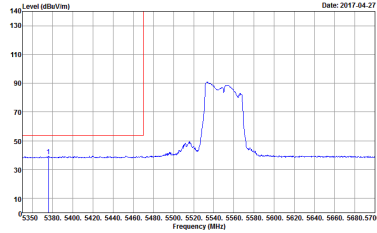
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT1), B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z3	 Site : 03CH10-HY Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z3
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT1), B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z3	Left blank

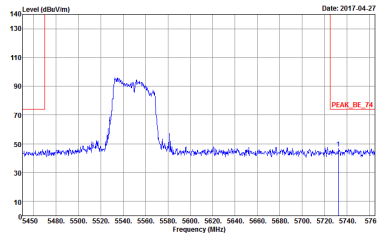
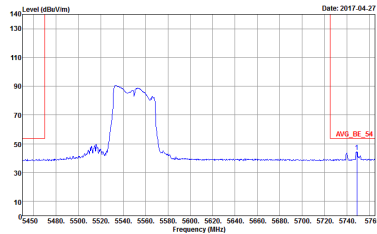


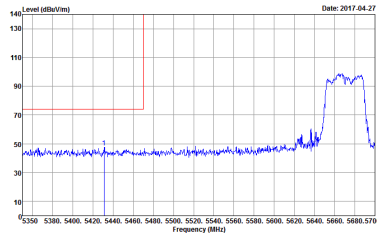
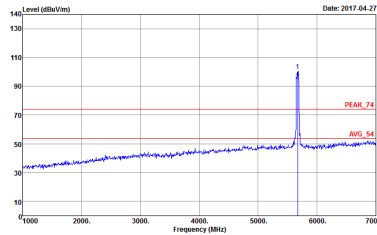
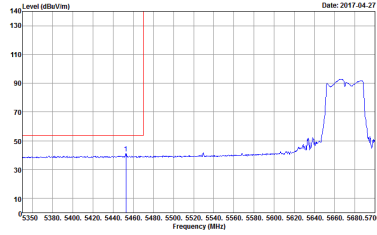
WIFI	Band 3 5470~5725MHz Band Edge @ 3m											
ANT	802.11n HT40 CH102 5510MHz - R											
1+2	Vertical	Fundamental										
Peak	<table><tr><td>Site</td><td>: 03CH10-HV</td></tr><tr><td>Condition</td><td>: PEAK_REC(LINE1), B3 3m HORN 91200-HF VERTICAL</td></tr><tr><td>Detector</td><td>: Peak</td></tr><tr><td>Project</td><td>: 740120</td></tr><tr><td>Mode</td><td>: Z3</td></tr></table>	Site	: 03CH10-HV	Condition	: PEAK_REC(LINE1), B3 3m HORN 91200-HF VERTICAL	Detector	: Peak	Project	: 740120	Mode	: Z3	Left blank
Site	: 03CH10-HV											
Condition	: PEAK_REC(LINE1), B3 3m HORN 91200-HF VERTICAL											
Detector	: Peak											
Project	: 740120											
Mode	: Z3											

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 24	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 24
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 24	Left blank

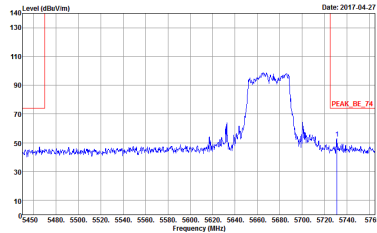
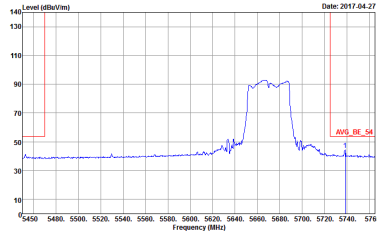
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 24	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 24	Left blank

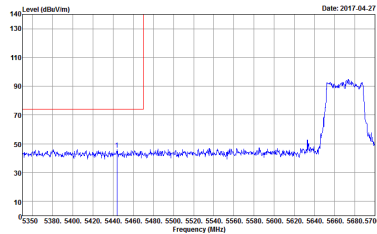
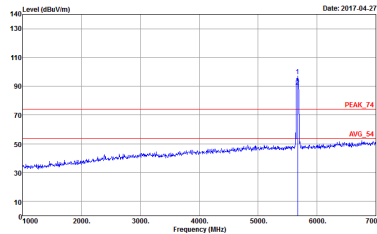
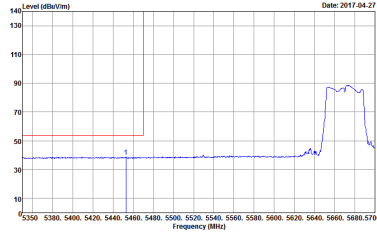
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 24	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 24
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 24	Left blank

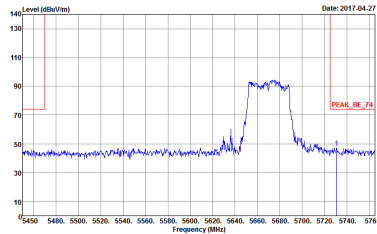
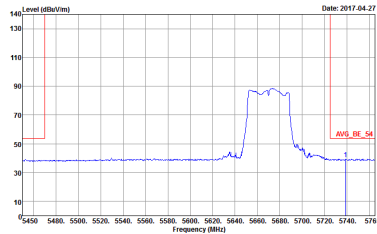
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 24	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : 24	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	Left blank

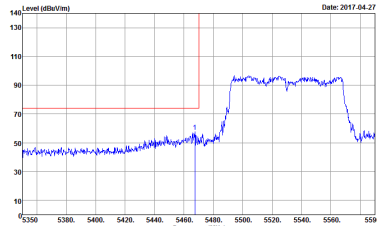
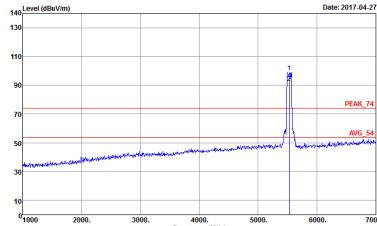
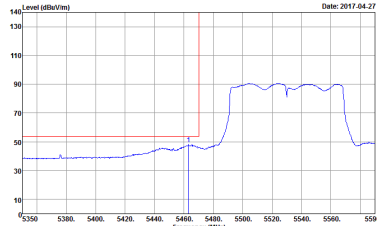


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	Left blank

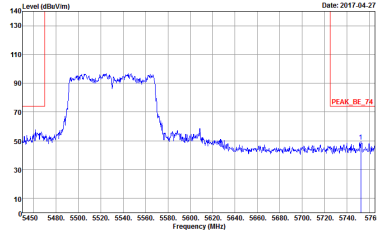
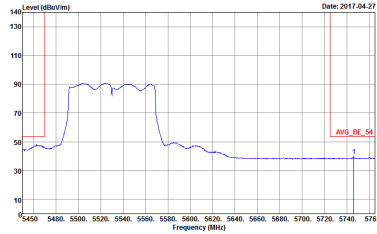
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	Left blank

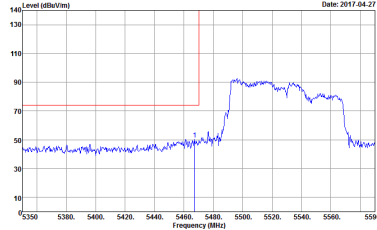
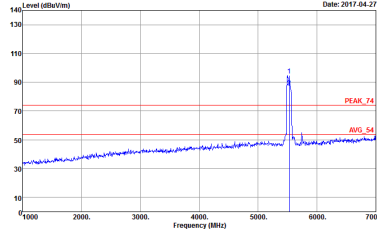
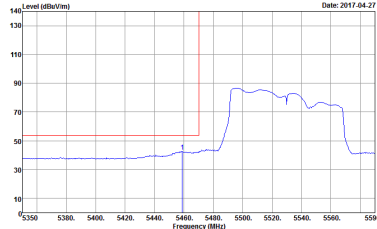
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z5	Left blank

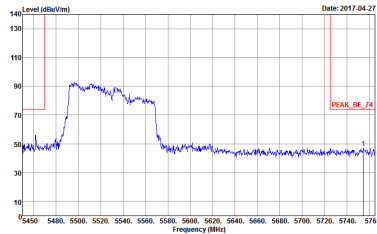
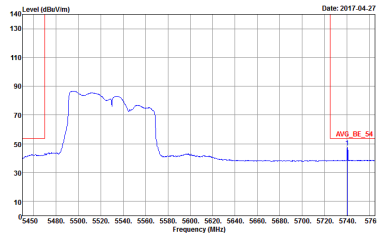
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

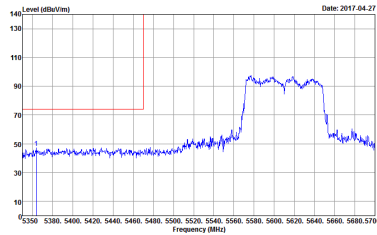
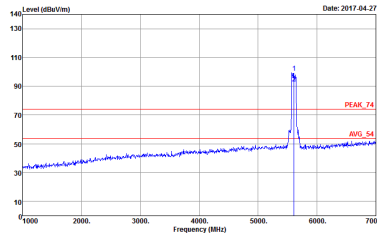
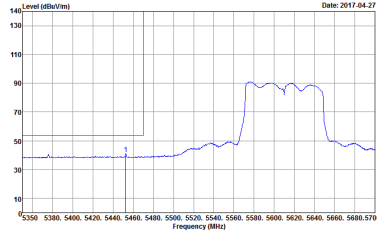
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : ZB	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : ZB
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : ZB	Left blank



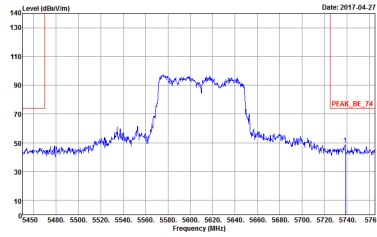
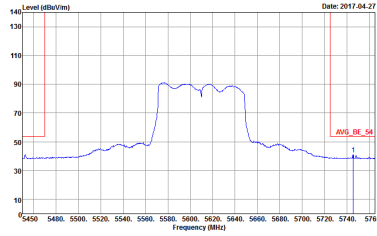
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : ZB	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : ZB	Left blank

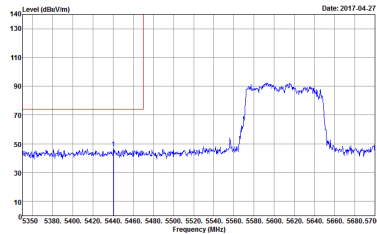
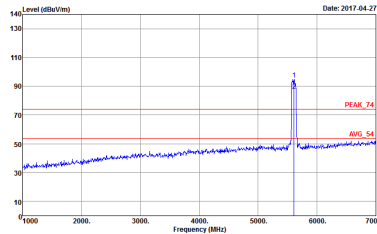
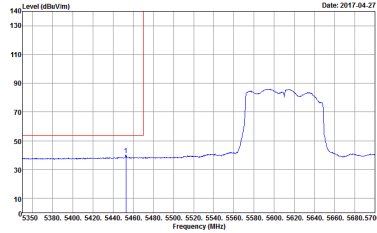
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : ZB	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : ZB
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : ZB	Left blank

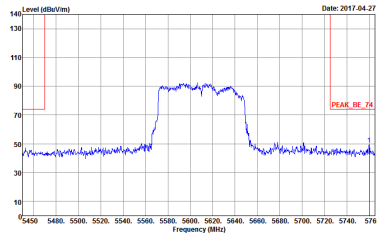
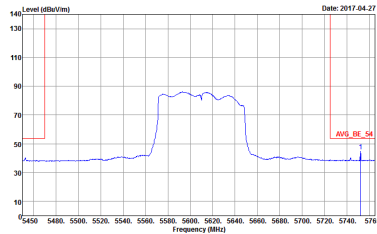
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : ZB	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : ZB	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	Left blank

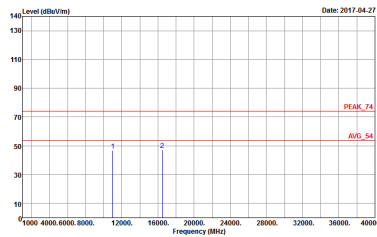
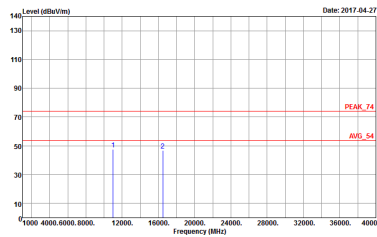


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	Left blank

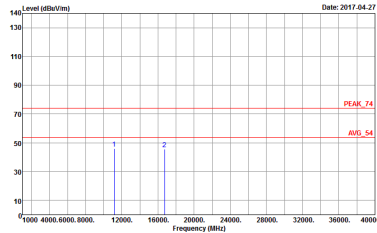
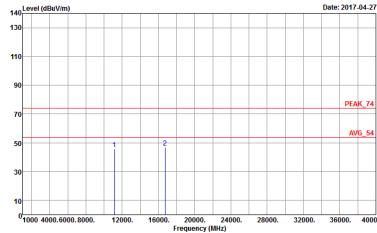
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740120 Mode : Z9	Left blank

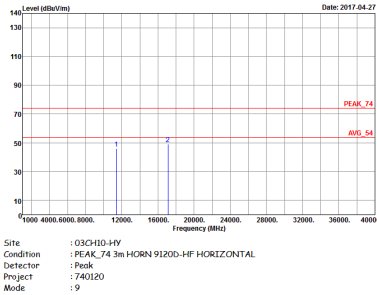
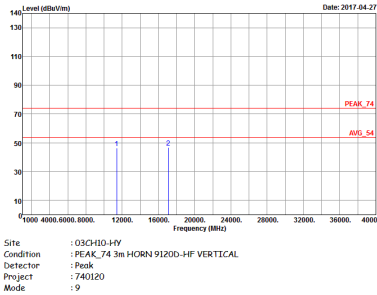
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH100-11V Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 7	 Site : 03CH100-11V Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 7



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 8	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 8



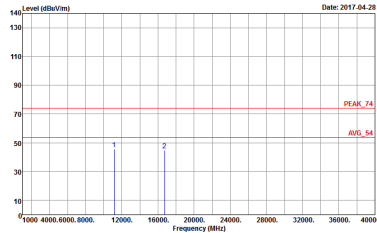
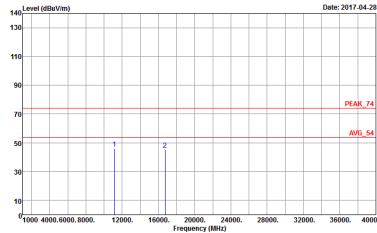
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		



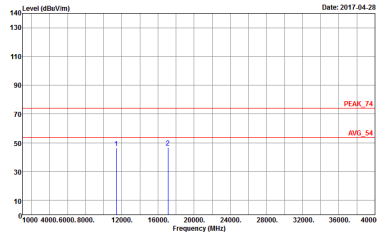
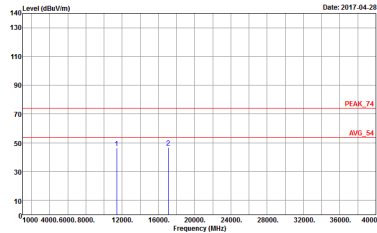
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 16	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : 16



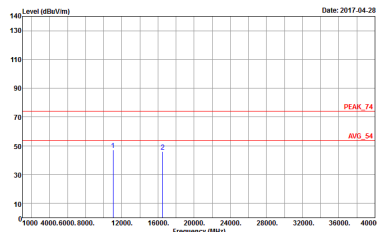
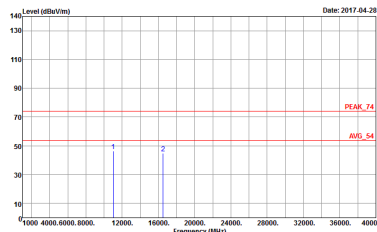
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 17	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 17



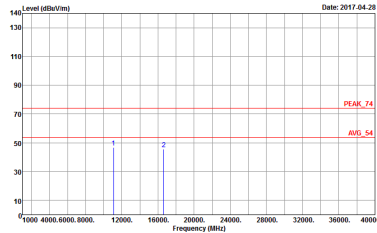
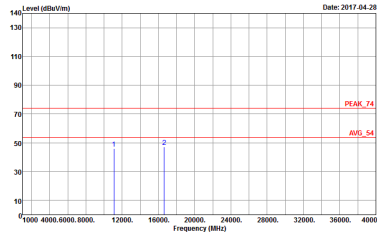
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 18	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 18



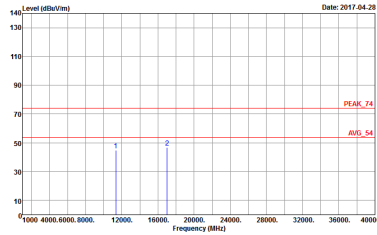
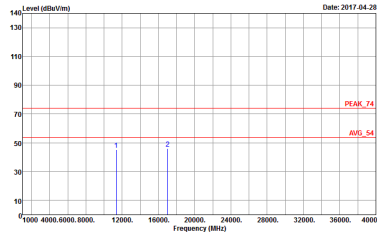
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : Z3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : Z3



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 24	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 24



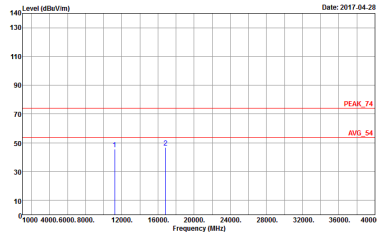
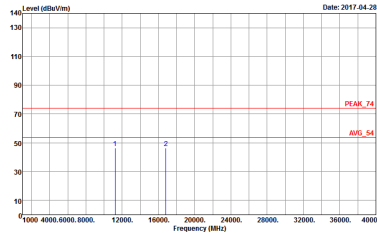
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 25	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 25



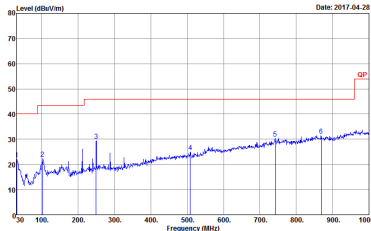
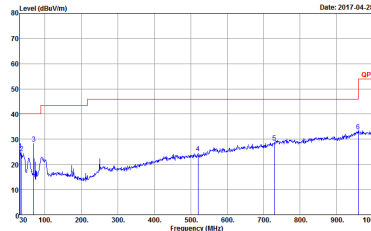
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 740120 Mode : Z8	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 740120 Mode : Z8



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 740120 Mode : 29	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 740120 Mode : 29

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

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH10-14V Condition : QP 3m BE-LOG 6111D-LF HORIZONTAL Detector : Peak Project : 740120 Mode : 30	 Site : 03CH10-14V Condition : QP 3m BE-LOG 6111D-LF VERTICAL Detector : Peak Project : 740120 Mode : 30

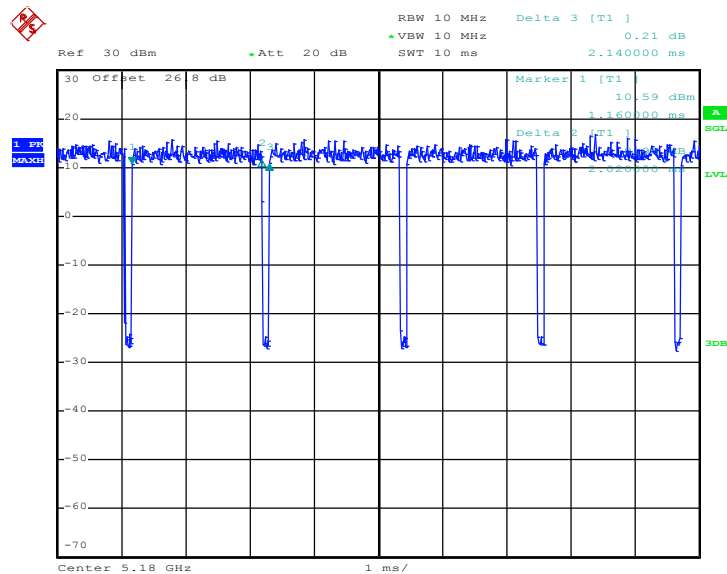
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	5GHz 802.11a for Ant 1	94.393	2020	0.50	1kHz
1+2	5GHz 802.11a for Ant 2	94.393	2020	0.50	1kHz
1+2	5GHz 802.11n HT20 for Ant 1	93.069	2020	0.50	1kHz
1+2	5GHz 802.11n HT20 for Ant 2	94	1880	0.53	1kHz
1+2	5GHz 802.11n HT40 for Ant 1	89.32	920	1.09	3kHz
1+2	5GHz 802.11n HT40 for Ant 2	87.619	920	1.09	3kHz
1+2	5GHz 802.11ac VHT20 for Ant 1	94	1880	0.53	1kHz
1+2	5GHz 802.11ac VHT20 for Ant 2	94.059	1900	0.53	1kHz
1+2	5GHz 802.11ac VHT40 for Ant 1	89.231	928	1.08	3kHz
1+2	5GHz 802.11ac VHT40 for Ant 2	89.231	928	1.08	3kHz
1+2	5GHz 802.11ac VHT80 for Ant 1	95.17	2760	0.36	1kHz
1+2	5GHz 802.11ac VHT80 for Ant 2	95.86	2780	0.36	1kHz



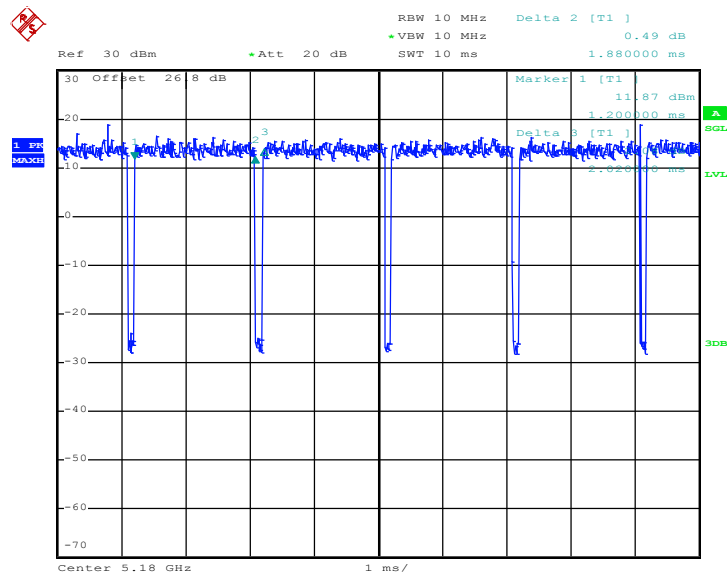
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802.11a

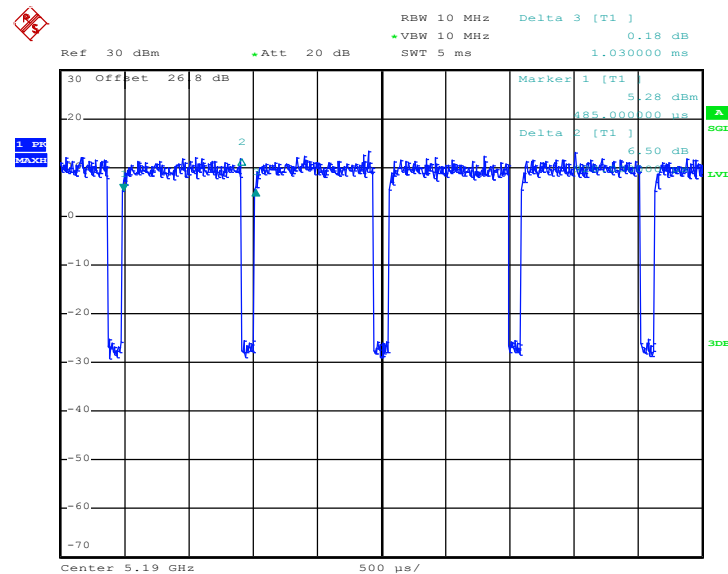


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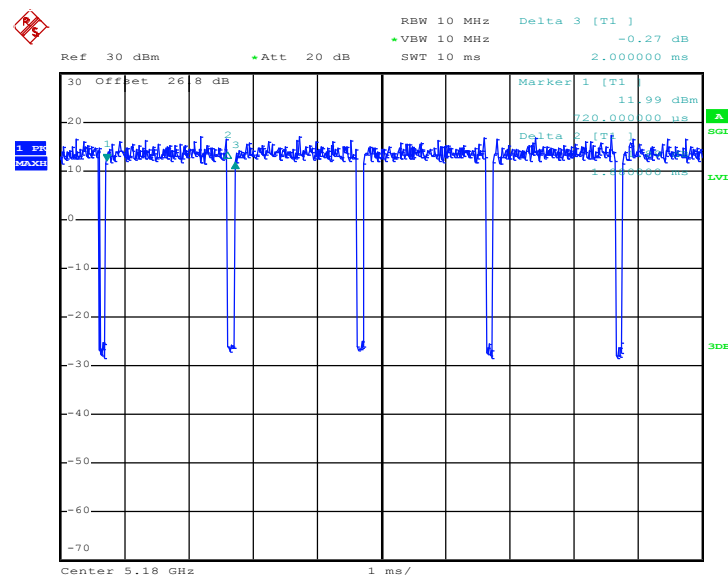
802.11n HT20



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802.11n HT40


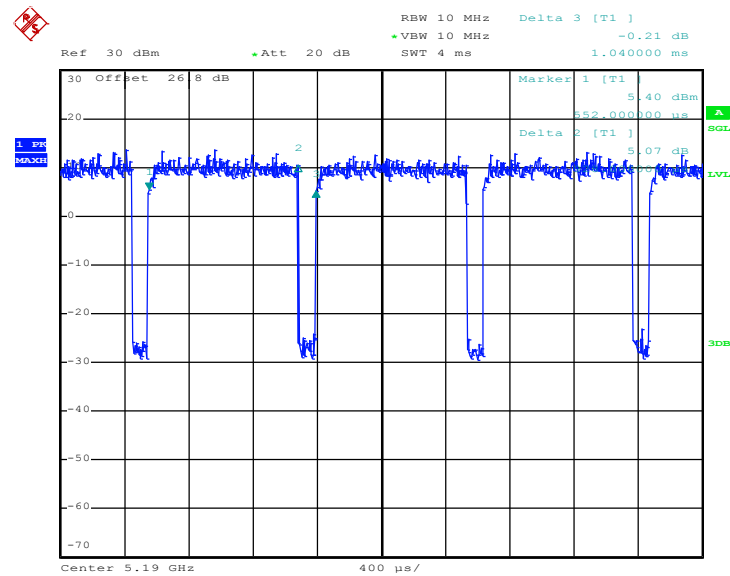
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802.11ac VHT20


Date: 14.APR.2017 17:08:30

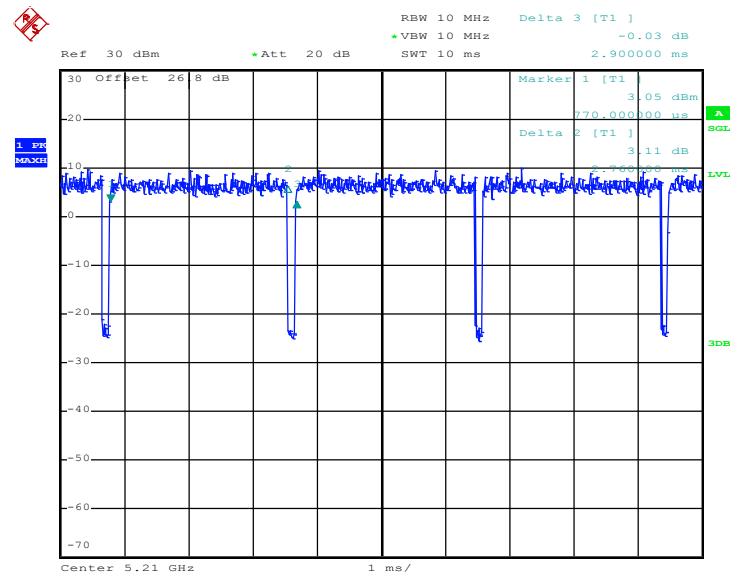


802.11ac VHT40

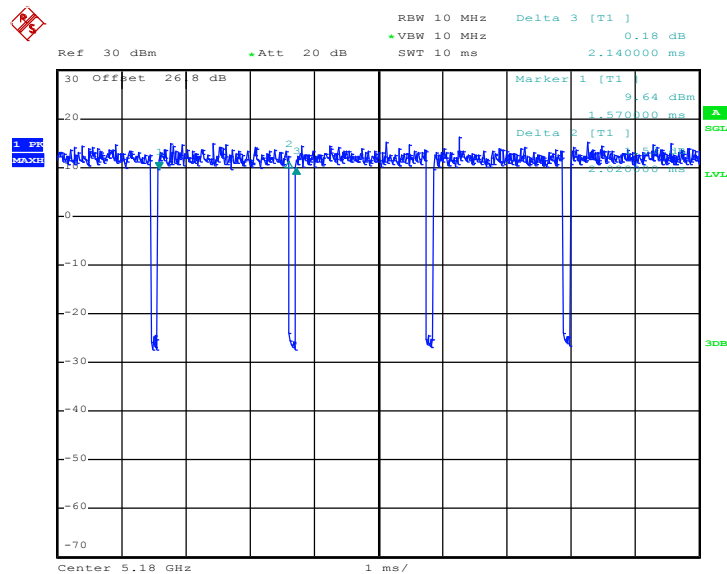


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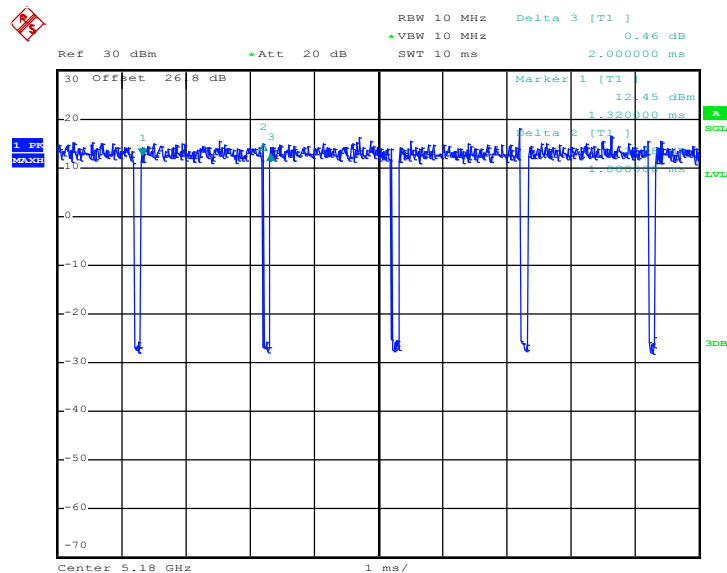
802.11ac VHT80



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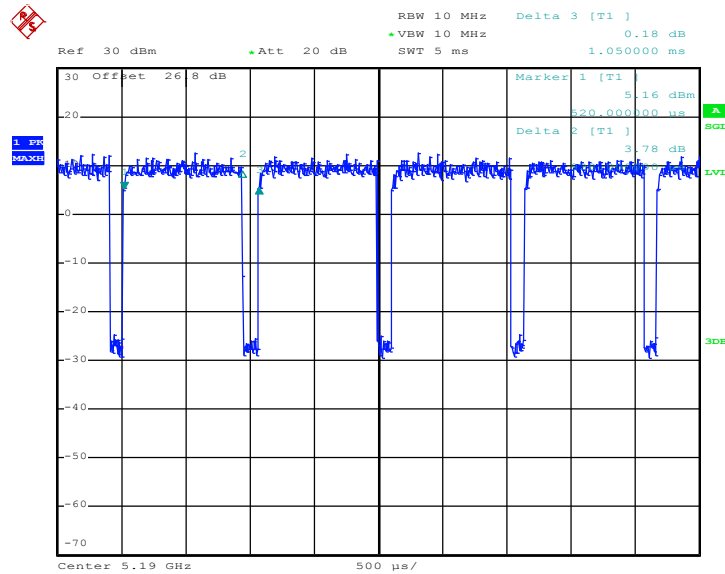
MIMO <Ant. 1+2(2)>
802.11a


Date: 14.APR.2017 22:41:07

802.11n HT20


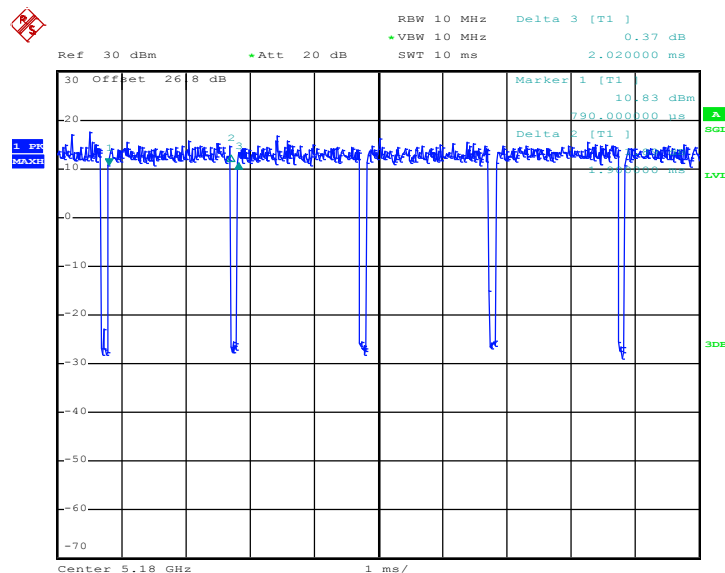
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802.11n HT40

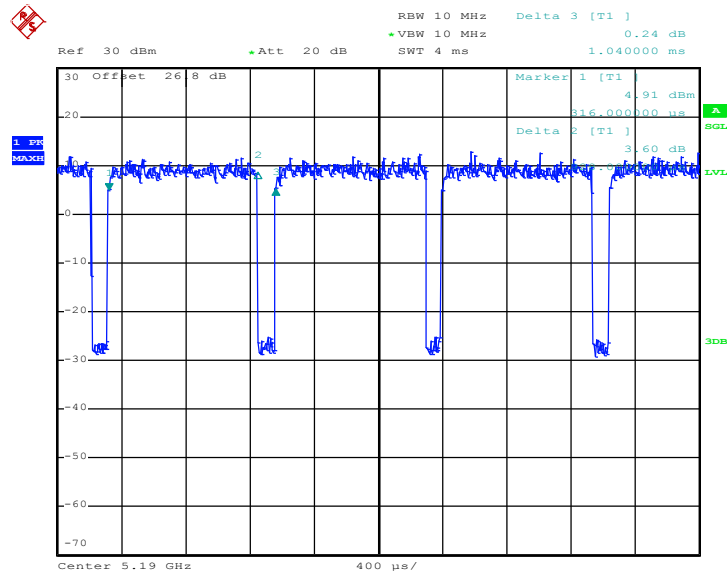


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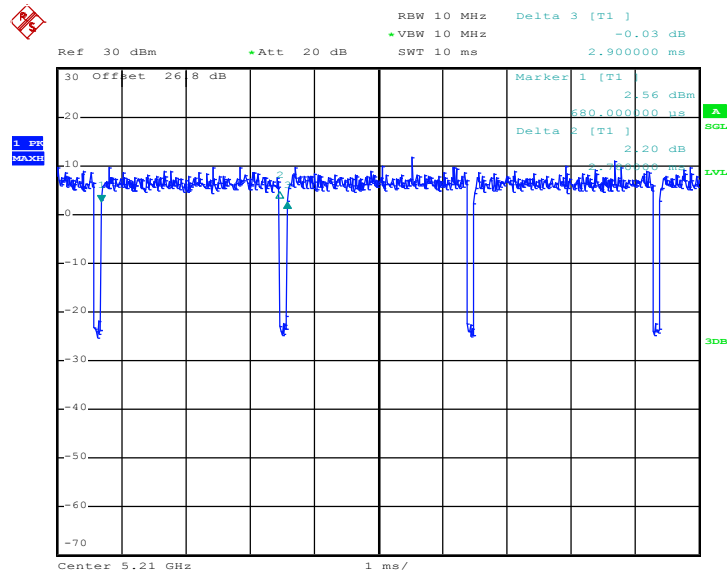
802.11ac VHT20



Date: 14.APR.2017 17:09:02

802.11ac VHT40


Date: 14.APR.2017 17:13:05

802.11ac VHT80


Date: 19.APR.2017 14:51:57