



FCC RF Test Report

APPLICANT : Bullitt Group
EQUIPMENT : Rugged Smart Phone
BRAND NAME : CAT
MODEL NAME : S61
FCC ID : ZL5S61
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Jan. 11, 2018 and testing was completed on Apr. 05, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



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FCC ID: ZL5S61

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR7D2711-02E	Rev. 01	Initial issue of report	May 03, 2018



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	≤ 24 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass	Under limit 1.19 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 11.77 dB at 0.499 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.7	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-



1 General Description

1.1 Applicant

Bullitt Group

One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.2 Manufacturer

Compal Electronics, INC.

No. 385, Yangguang St. Neihu District, Taipei City 11491, Taiwan, R.O.C

1.3 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS / Galileo / SBAS : PIFA Antenna NFC: Loop Antenna FM: using earphone as antenna

<Sample Information>

S61 has 2 different Variant	
Sample 1	Dual SIM
Sample 2	Single SIM
Dual SIM to Single SIM choose by SIM tray HW detection to select by image setting. (Two setting, by HW detection pin to trigger)	

Remark: All test items were performed with Sample 1.

1.4 Modification of EUT

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

1.5 Testing Location

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH05-HY	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 v02r01.
- ♦ ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + NFC on + USB Cable (Charging from Adapter)



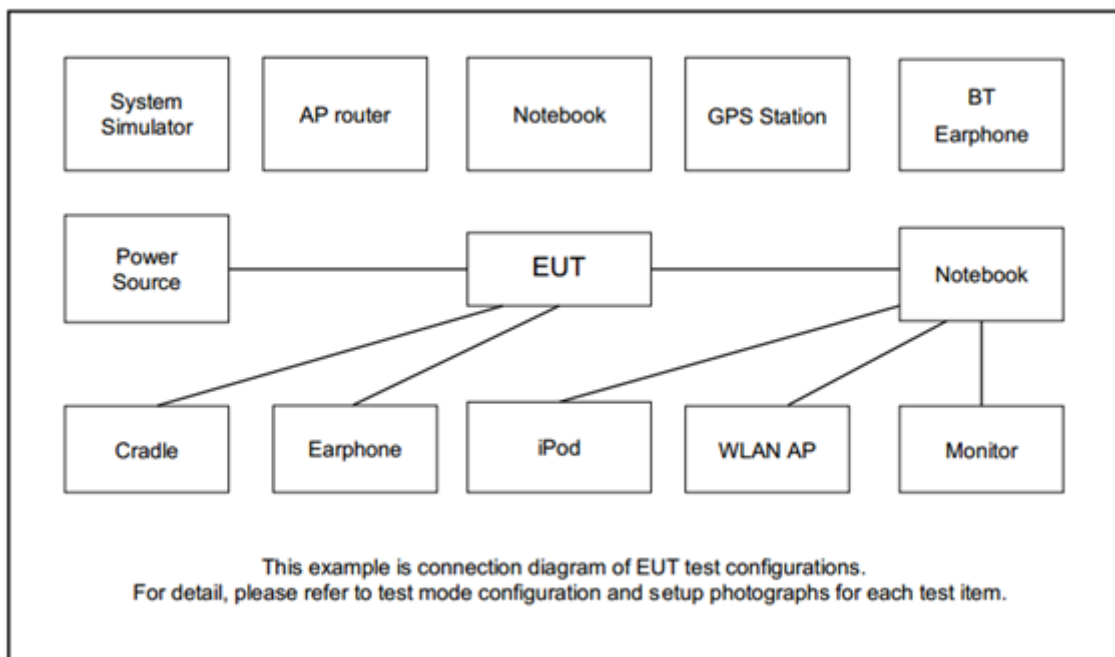
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

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

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

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, 1.8m
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, utility “QRCT” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.



2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

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.

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

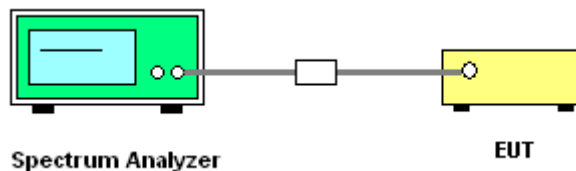
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

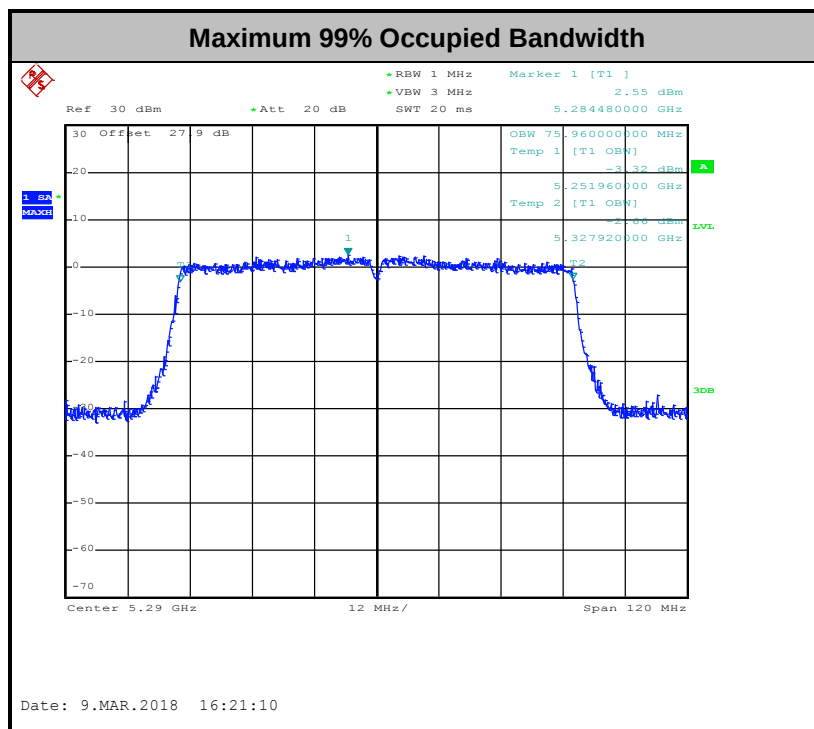
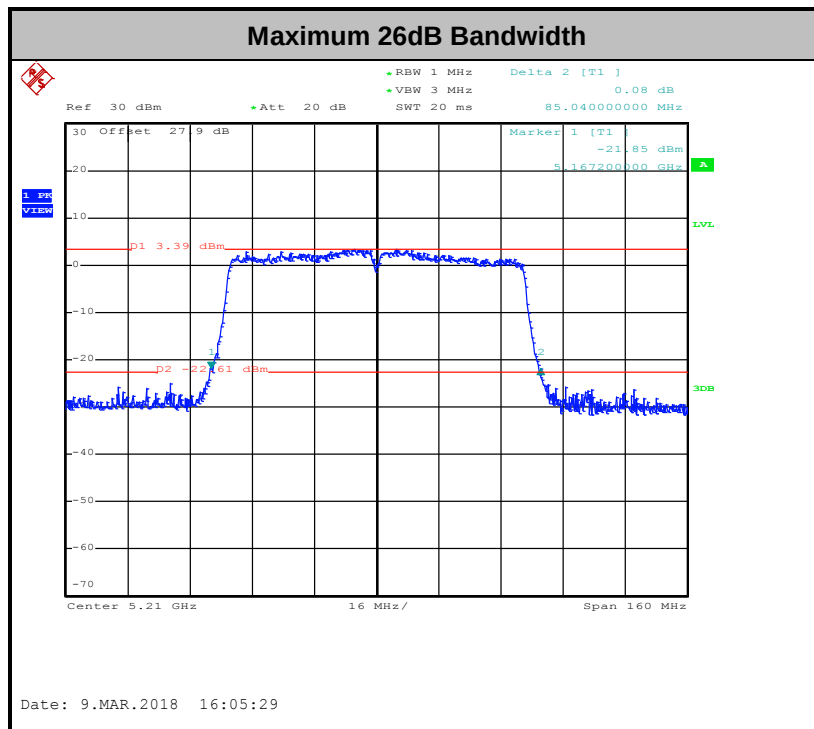
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

<FCC 14-30 CFR 15.407>

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

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

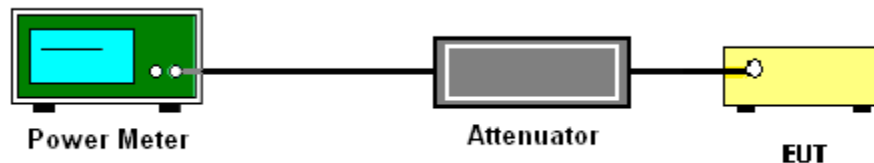
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 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.

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

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

3.3.2 Measuring Instruments

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 v02r01.

Section F) Maximum power spectral density.

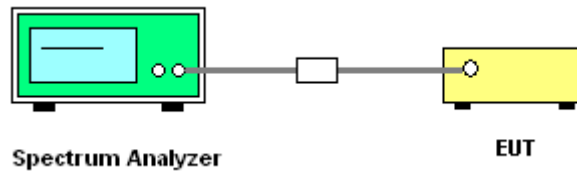
Method SA-2

(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.

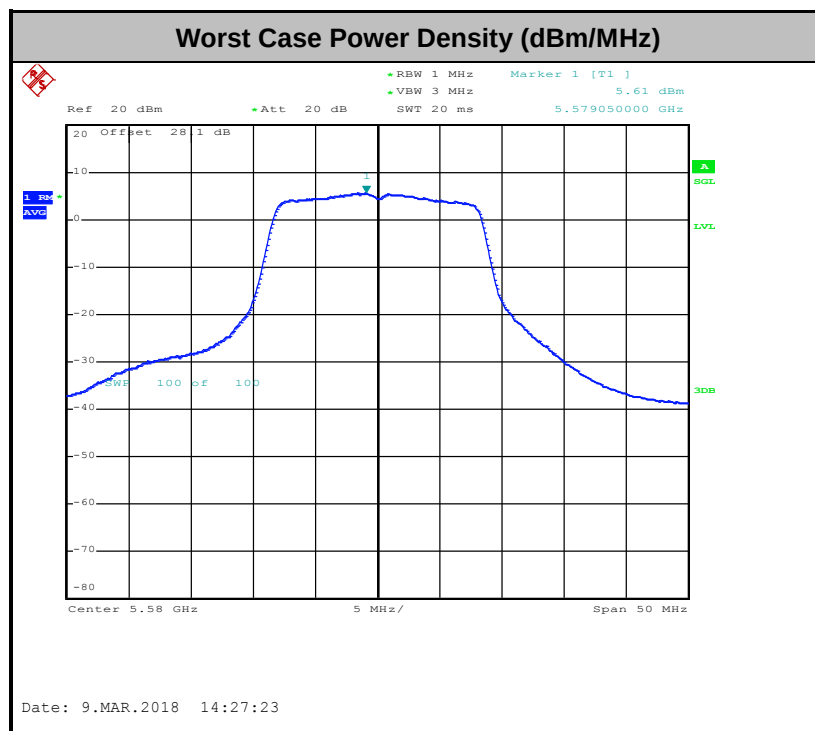
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

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

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

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

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

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



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

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

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

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

3.4.2 Measuring Instruments

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

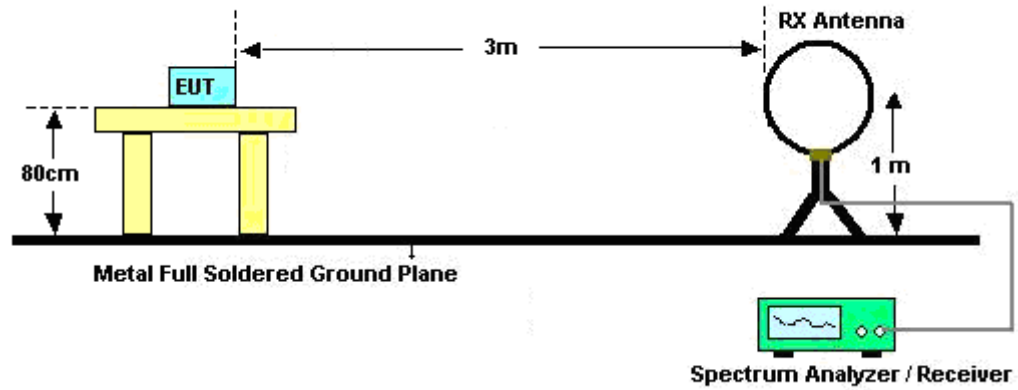


3.4.3 Test Procedures

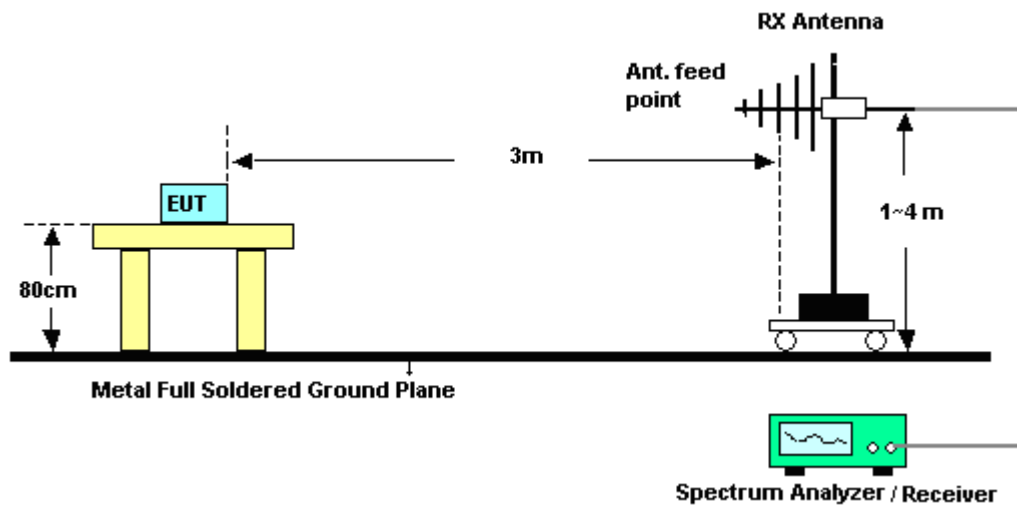
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

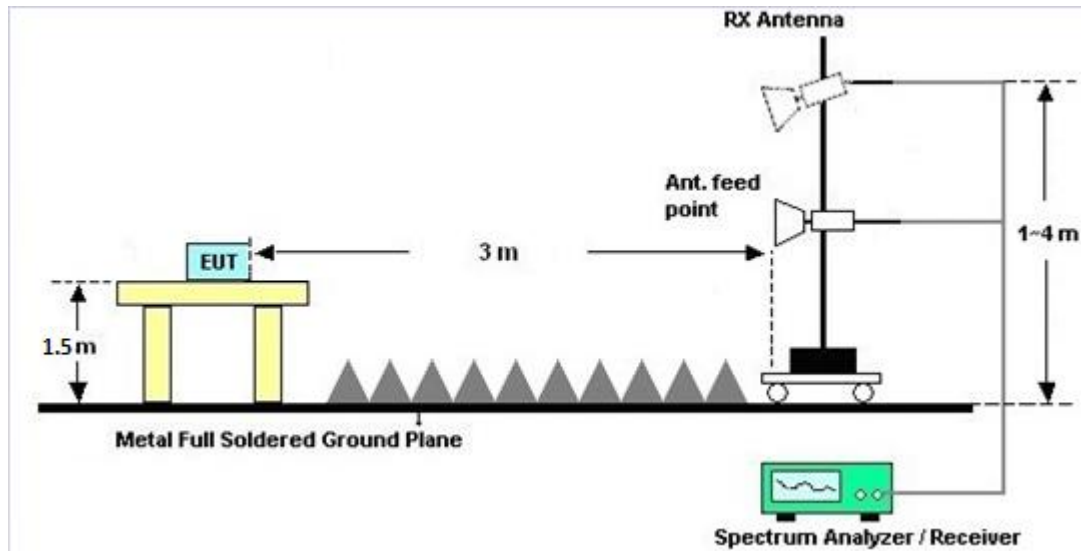
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

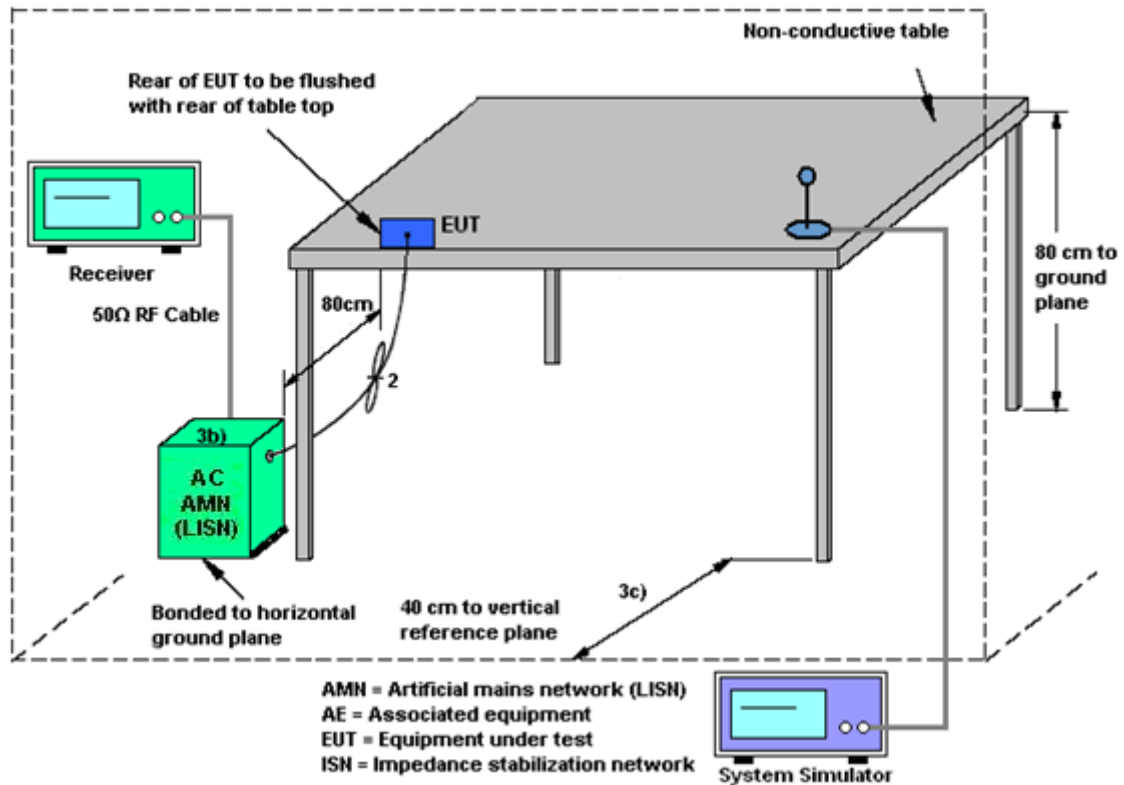
3.5.2 Measuring Instruments

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 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

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

3.6.3 Test Result of Automatically Discontinue Transmission

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



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1218006	N/A	Oct. 06, 2017	Mar. 07, 2018~ Apr. 05, 2018	Oct. 05, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~40GHz z	Oct. 06, 2017	Mar. 07, 2018~ Apr. 05, 2018	Oct. 05, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2017	Mar. 07, 2018~ Apr. 05, 2018	Nov. 20, 2018	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 16, 2017	Mar. 07, 2018~ Apr. 05, 2018	Oct. 15, 2018	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 12, 2018~ Mar. 13, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Mar. 12, 2018~ Mar. 13, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Mar. 12, 2018~ Mar. 13, 2018	Nov. 29, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 08, 2017	Mar. 12, 2018~ Mar. 13, 2018	Dec. 07, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 12, 2018~ Mar. 13, 2018	N/A	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 19, 2017	Mar. 14, 2018~ Mar. 17, 2018	Oct. 18, 2018	Radiation (03CH10-HY)
Amplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Mar. 14, 2018~ Mar. 17, 2018	Jul. 17, 2018	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Dec. 18, 2017	Mar. 14, 2018~ Mar. 17, 2018	Dec. 17, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 5	1GHz ~ 18GHz	Sep. 27, 2017	Mar. 14, 2018~ Mar. 17, 2018	Sep. 26, 2018	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY532700 78	1GHz~26.5GHz	Oct. 25, 2017	Mar. 14, 2018~ Mar. 17, 2018	Oct. 24, 2018	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550 004	1GHz~18GHz	Apr. 13, 2017	Mar. 14, 2018~ Mar. 17, 2018	Apr. 12, 2018	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Oct. 31, 2017	Mar. 14, 2018~ Mar. 17, 2018	Oct. 30, 2018	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Mar. 14, 2018~ Mar. 17, 2018	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Mar. 14, 2018~ Mar. 17, 2018	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-00104 2	N/A	N/A	Mar. 14, 2018~ Mar. 17, 2018	N/A	Radiation (03CH10-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 23, 2017	Mar. 14, 2018~ Mar. 17, 2018	Nov. 22, 2019	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Nov. 27, 2017	Mar. 14, 2018~ Mar. 17, 2018	Nov. 26, 2018	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY532900 53	20Hz to 26.5GHz	Jan. 16, 2018	Mar. 14, 2018~ Mar. 17, 2018	Jan. 15, 2019	Radiation (03CH10-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.70
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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:	Reece Lin	Temperature:	21~25	°C
Test Date:	2018/03/07~2018/04/05	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)		
11a	6Mbps	1	36	5180	17.50	25.15	-	22.43		
11a	6Mbps	1	44	5220	17.75	24.85	-	22.49		
11a	6Mbps	1	48	5240	17.60	25.70	-	22.46		
HT20	MCS0	1	36	5180	18.75	25.90	-	22.73		
HT20	MCS0	1	44	5220	18.65	26.45	-	22.71		
HT20	MCS0	1	48	5240	18.80	26.00	-	22.74		
HT40	MCS0	1	38	5190	36.50	42.48	-	23.01		
HT40	MCS0	1	46	5230	36.60	42.36	-	23.01		
VHT80	MCS0	1	42	5210	75.84	85.04	-	23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.23	14.95	24.00	-3.30		Pass
11a	6Mbps	1	44	5220	0.23	14.99	24.00	-3.30		Pass
11a	6Mbps	1	48	5240	0.23	14.88	24.00	-3.30		Pass
HT20	MCS0	1	36	5180	0.20	13.87	24.00	-3.30		Pass
HT20	MCS0	1	44	5220	0.20	13.93	24.00	-3.30		Pass
HT20	MCS0	1	48	5240	0.20	13.99	24.00	-3.30		Pass
HT40	MCS0	1	38	5190	0.43	12.73	24.00	-3.30		Pass
HT40	MCS0	1	46	5230	0.43	12.98	24.00	-3.30		Pass
VHT20	MCS0	1	36	5180	0.22	13.80	24.00	-3.30		Pass
VHT20	MCS0	1	44	5220	0.22	13.92	24.00	-3.30		Pass
VHT20	MCS0	1	48	5240	0.22	13.98	24.00	-3.30		Pass
VHT40	MCS0	1	38	5190	0.38	12.67	24.00	-3.30		Pass
VHT40	MCS0	1	46	5230	0.38	12.97	24.00	-3.30		Pass
VHT80	MCS0	1	42	5210	0.41	11.65	24.00	-3.30		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.23	4.51	11.00	-3.30		Pass
11a	6Mbps	1	44	5220	0.23	4.62	11.00	-3.30		Pass
11a	6Mbps	1	48	5240	0.23	4.34	11.00	-3.30		Pass
HT20	MCS0	1	36	5180	0.20	2.81	11.00	-3.30		Pass
HT20	MCS0	1	44	5220	0.20	2.44	11.00	-3.30		Pass
HT20	MCS0	1	48	5240	0.20	2.45	11.00	-3.30		Pass
HT40	MCS0	1	38	5190	0.43	-1.02	11.00	-3.30		Pass
HT40	MCS0	1	46	5230	0.43	-1.40	11.00	-3.30		Pass
VHT80	MCS0	1	42	5210	0.41	-5.54	11.00	-3.30		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II										
Mod.	Data Rate	N _{TX}	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
11a	6M bps	1	52	5260	17.60	25.70	23.46	29.46	23.98	
11a	6M bps	1	60	5300	17.35	25.00	23.39	29.39	23.98	
11a	6M bps	1	64	5320	17.55	25.50	23.44	29.44	23.98	
HT20	MCS 0	1	52	5260	18.55	26.05	23.68	29.68	23.98	
HT20	MCS 0	1	60	5300	18.80	25.55	23.74	29.74	23.98	
HT20	MCS 0	1	64	5320	18.70	26.27	23.72	29.72	23.98	
HT40	MCS 0	1	54	5270	36.60	42.38	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.70	42.26	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	75.96	84.80	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
11a	6M bps	1	52	5260	0.23	14.76	23.98	-2.30	26.99	Pass
11a	6M bps	1	60	5300	0.23	14.75	23.98	-2.30	26.99	Pass
11a	6M bps	1	64	5320	0.23	14.84	23.98	-2.30	26.99	Pass
HT20	MCS 0	1	52	5260	0.20	13.81	23.98	-2.30	26.99	Pass
HT20	MCS 0	1	60	5300	0.20	13.73	23.98	-2.30	26.99	Pass
HT20	MCS 0	1	64	5320	0.20	13.87	23.98	-2.30	26.99	Pass
HT40	MCS 0	1	54	5270	0.43	12.80	23.98	-2.30	26.99	Pass
HT40	MCS 0	1	62	5310	0.43	12.67	23.98	-2.30	26.99	Pass
VHT20	MCS 0	1	52	5260	0.22	13.80	23.98	-2.30	26.99	Pass
VHT20	MCS 0	1	60	5300	0.22	13.72	23.98	-2.30	26.99	Pass
VHT20	MCS 0	1	64	5320	0.22	13.86	23.98	-2.30	26.99	Pass
VHT40	MCS 0	1	54	5270	0.38	12.76	23.98	-2.30	26.99	Pass
VHT40	MCS 0	1	62	5310	0.38	12.62	23.98	-2.30	26.99	Pass
VHT80	MCS 0	1	58	5290	0.41	11.83	23.98	-2.30	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.23	4.01	11.00	-2.30		Pass
11a	6M bps	1	60	5300	0.23	3.95	11.00	-2.30		Pass
11a	6M bps	1	64	5320	0.23	3.96	11.00	-2.30		Pass
HT20	MCS 0	1	52	5260	0.20	2.08	11.00	-2.30		Pass
HT20	MCS 0	1	60	5300	0.20	1.96	11.00	-2.30		Pass
HT20	MCS 0	1	64	5320	0.20	2.00	11.00	-2.30		Pass
HT40	MCS 0	1	54	5270	0.43	-2.11	11.00	-2.30		Pass
HT40	MCS 0	1	62	5310	0.43	-1.93	11.00	-2.30		Pass
VHT80	MCS 0	1	58	5290	0.41	-5.99	11.00	-2.30		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In UNII-2C (MHz)	26 dB Bandwidth In UNII-2C (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	6dB Bandwidth for Straddle Channel (MHz)
11a	6M bps	1	100	5500	17.55	23.97	23.44	29.44	23.98	----
11a	6M bps	1	116	5580	17.95	24.22	23.54	29.54	23.98	----
11a	6M bps	1	140	5700	17.40	24.44	23.41	29.41	23.98	----
11a	6Mbps	1	144	5720	13.80	16.90	22.40	28.40	23.28	2.6
HT20	MCS 0	1	100	5500	18.60	25.95	23.70	29.70	23.98	----
HT20	MCS 0	1	116	5580	18.60	25.95	23.70	29.70	23.98	----
HT20	MCS 0	1	140	5700	18.70	26.07	23.72	29.72	23.98	----
HT20	MCS0	1	144	5720	14.30	17.27	22.55	28.55	23.37	2.6
HT40	MCS 0	1	102	5510	36.70	42.25	23.98	30.00	23.98	----
HT40	MCS 0	1	110	5550	36.70	42.49	23.98	30.00	23.98	----
HT40	MCS 0	1	134	5670	36.60	42.64	23.98	30.00	23.98	----
HT40	MCS0	1	142	5710	33.40	36.24	23.98	30.00	23.98	2.8
VHT80	MCS 0	1	106	5530	75.84	83.88	23.98	30.00	23.98	----
VHT80	MCS 0	1	122	5610	75.72	84.24	23.98	30.00	23.98	----
VHT80	MCS0	1	138	5690	73.04	77.32	23.98	30.00	23.98	2.65

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
11a	6M bps	1	100	5500	0.23	16.48	23.98	0.60	26.99	Pass
11a	6M bps	1	116	5580	0.23	16.49	23.98	0.60	26.99	Pass
11a	6M bps	1	140	5700	0.23	16.27	23.98	0.60	26.99	Pass
11a	6M bps	1	144	5720	0.23	16.19	23.28	0.60	26.99	Pass
HT20	MCS 0	1	100	5500	0.20	13.70	23.98	0.60	26.99	Pass
HT20	MCS 0	1	116	5580	0.20	13.75	23.98	0.60	26.99	Pass
HT20	MCS 0	1	140	5700	0.20	13.99	23.98	0.60	26.99	Pass
HT20	MCS 0	1	144	5720	0.20	13.99	23.37	0.60	26.99	Pass
HT40	MCS 0	1	102	5510	0.43	12.94	23.98	0.60	26.99	Pass
HT40	MCS 0	1	110	5550	0.43	12.79	23.98	0.60	26.99	Pass
HT40	MCS 0	1	134	5670	0.43	12.78	23.98	0.60	26.99	Pass
HT40	MCS 0	1	142	5710	0.43	12.98	23.98	0.60	26.99	Pass
VHT20	MCS 0	1	100	5500	0.22	13.66	23.98	0.60	26.99	Pass
VHT20	MCS 0	1	116	5580	0.22	13.74	23.98	0.60	26.99	Pass
VHT20	MCS 0	1	140	5700	0.22	13.98	23.98	0.60	26.99	Pass
VHT20	MCS 0	1	144	5720	0.22	13.98	23.98	0.60	26.99	Pass
VHT40	MCS 0	1	102	5510	0.38	12.93	23.98	0.60	26.99	Pass
VHT40	MCS 0	1	110	5550	0.38	12.68	23.98	0.60	26.99	Pass
VHT40	MCS 0	1	134	5670	0.38	12.76	23.98	0.60	26.99	Pass
VHT40	MCS 0	1	142	5710	0.38	12.97	23.98	0.60	26.99	Pass
VHT80	MCS 0	1	106	5530	0.41	11.98	23.98	0.60	26.99	Pass
VHT80	MCS 0	1	122	5610	0.41	11.99	23.98	0.60	26.99	Pass
VHT80	MCS 0	1	138	5690	0.41	11.96	23.98	0.60	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.23	5.59	11.00	0.60		Pass
11a	6M bps	1	116	5580	0.23	5.84	11.00	0.60		Pass
11a	6M bps	1	140	5700	0.23	4.72	11.00	0.60		Pass
11a	6Mbps	1	144	5720	0.23	4.83	11.00	0.60		Pass
HT20	MCS 0	1	100	5500	0.20	2.55	11.00	0.60		Pass
HT20	MCS 0	1	116	5580	0.20	2.90	11.00	0.60		Pass
HT20	MCS 0	1	140	5700	0.20	2.42	11.00	0.60		Pass
HT20	MCS0	1	144	5720	0.20	2.60	11.00	0.60		Pass
HT40	MCS 0	1	102	5510	0.43	-1.08	11.00	0.60		Pass
HT40	MCS 0	1	110	5550	0.43	-1.19	11.00	0.60		Pass
HT40	MCS 0	1	134	5670	0.43	-1.68	11.00	0.60		Pass
HT40	MCS0	1	142	5710	0.43	-1.48	11.00	0.60		Pass
VHT80	MCS 0	1	106	5530	0.41	-5.09	11.00	0.60		Pass
VHT80	MCS 0	1	122	5610	0.41	-4.97	11.00	0.60		Pass
VHT80	MCS0	1	138	5690	0.41	-5.84	11.00	0.60		Pass



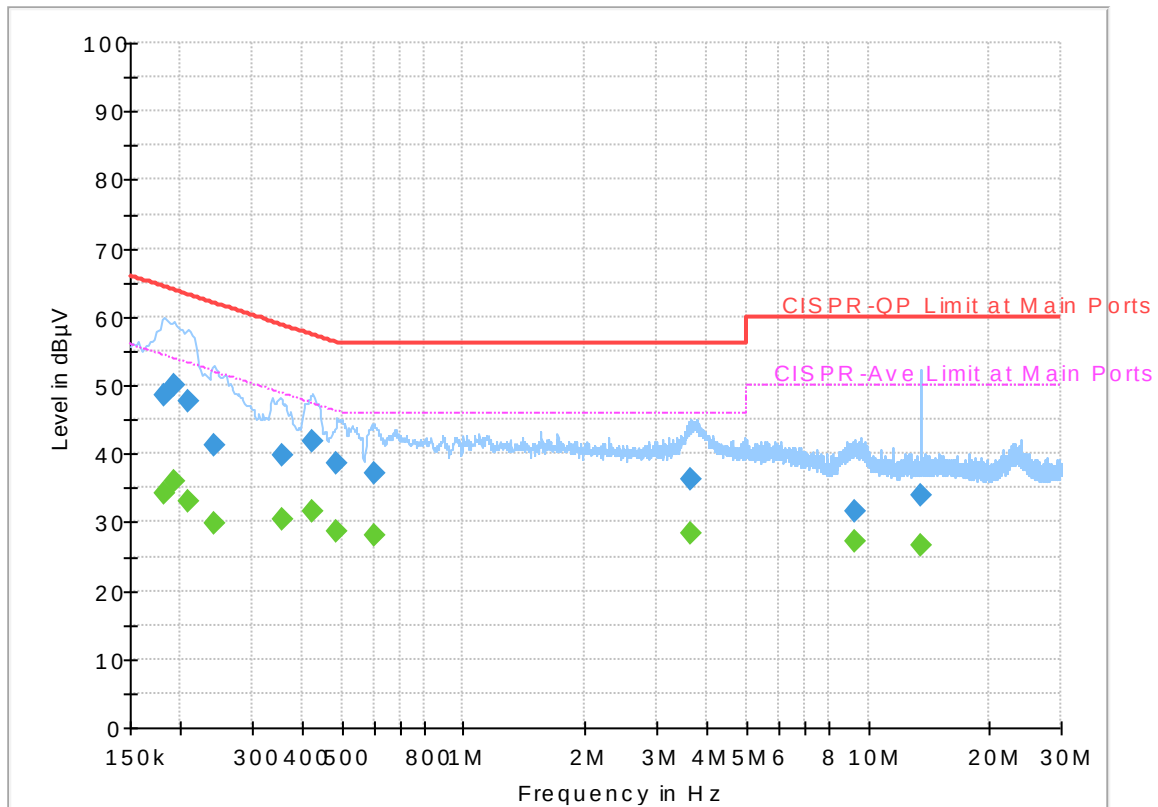
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Shareef Yu	Temperature :	23~24°C
		Relative Humidity :	54~58%

EUT Information

Report NO : 7D2711-02
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



Final Result

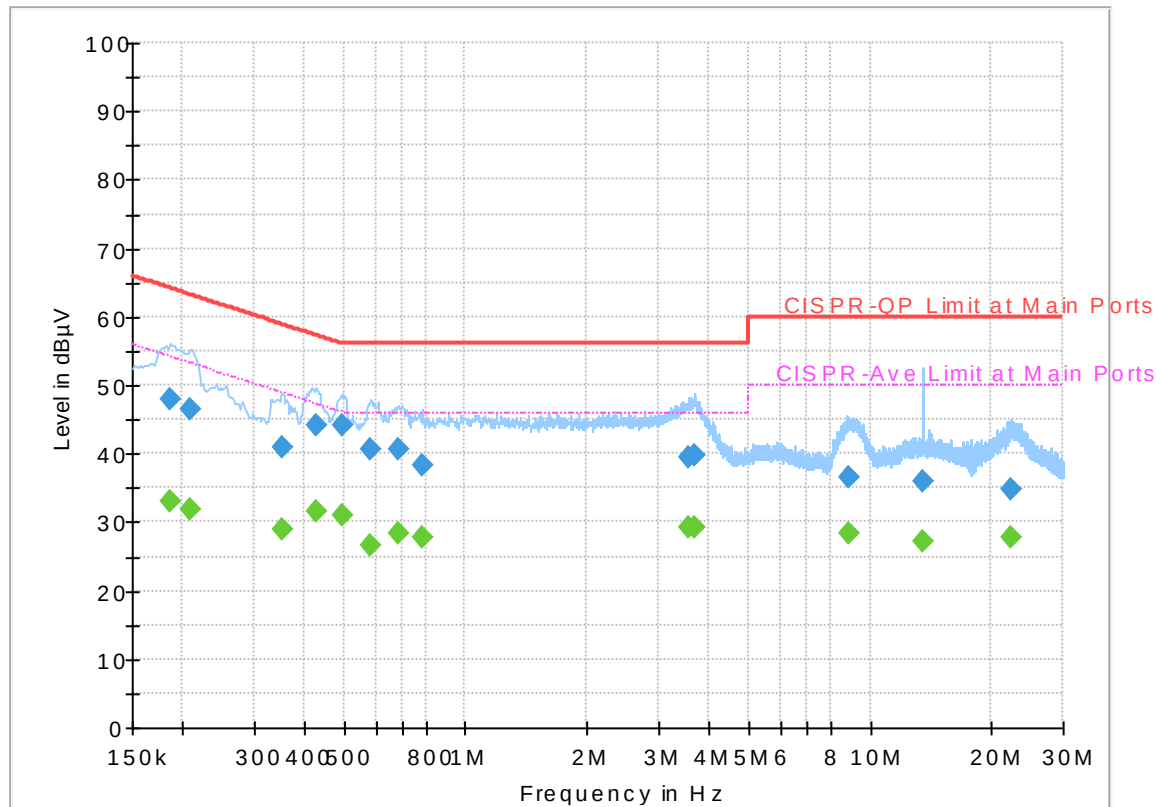
Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	---	34.20	54.42	20.22	L1	OFF	19.5
0.181500	48.51	---	64.42	15.91	L1	OFF	19.5
0.192750	---	35.96	53.92	17.96	L1	OFF	19.5
0.192750	50.10	---	63.92	13.82	L1	OFF	19.5
0.208500	---	33.16	53.27	20.11	L1	OFF	19.5
0.208500	47.60	---	63.27	15.67	L1	OFF	19.5
0.242250	---	29.85	52.02	22.17	L1	OFF	19.5
0.242250	41.35	---	62.02	20.67	L1	OFF	19.5
0.354750	---	30.33	48.85	18.52	L1	OFF	19.5
0.354750	39.68	---	58.85	19.17	L1	OFF	19.5
0.424500	---	31.49	47.36	15.87	L1	OFF	19.5
0.424500	41.70	---	57.36	15.66	L1	OFF	19.5
0.487500	---	28.57	46.21	17.64	L1	OFF	19.5
0.487500	38.64	---	56.21	17.57	L1	OFF	19.5
0.600000	---	28.03	46.00	17.97	L1	OFF	19.5
0.600000	37.18	---	56.00	18.82	L1	OFF	19.5
3.653250	---	28.46	46.00	17.54	L1	OFF	19.6
3.653250	36.39	---	56.00	19.61	L1	OFF	19.6
9.269250	---	27.14	50.00	22.86	L1	OFF	19.7
9.269250	31.58	---	60.00	28.42	L1	OFF	19.7
13.560000	---	26.49	50.00	23.51	L1	OFF	19.7

13.560000	33.93	---	60.00	26.07	L1	OFF	19.7
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EUT Information

Report NO : 7D2711-02
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	32.93	54.21	21.28	N	OFF	19.5
0.186000	48.02	---	64.21	16.19	N	OFF	19.5
0.208500	---	31.80	53.27	21.47	N	OFF	19.5
0.208500	46.58	---	63.27	16.69	N	OFF	19.5
0.352500	---	28.83	48.90	20.07	N	OFF	19.5
0.352500	40.84	---	58.90	18.06	N	OFF	19.5
0.426750	---	31.60	47.32	15.72	N	OFF	19.5
0.426750	44.06	---	57.32	13.26	N	OFF	19.5
0.498750	---	30.87	46.02	15.15	N	OFF	19.5
0.498750	44.25	---	56.02	11.77	N	OFF	19.5
0.584250	---	26.64	46.00	19.36	N	OFF	19.5
0.584250	40.51	---	56.00	15.49	N	OFF	19.5
0.681000	---	28.50	46.00	17.50	N	OFF	19.5
0.681000	40.63	---	56.00	15.37	N	OFF	19.5
0.782250	---	27.64	46.00	18.36	N	OFF	19.5
0.782250	38.28	---	56.00	17.72	N	OFF	19.5
3.561000	---	29.28	46.00	16.72	N	OFF	19.6
3.561000	39.61	---	56.00	16.39	N	OFF	19.6
3.702750	---	29.26	46.00	16.74	N	OFF	19.6
3.702750	39.76	---	56.00	16.24	N	OFF	19.6
8.873250	---	28.40	50.00	21.60	N	OFF	19.7

8.873250	36.50	---	60.00	23.50	N	OFF	19.7
13.560000	---	27.14	50.00	22.86	N	OFF	19.8
13.560000	35.93	---	60.00	24.07	N	OFF	19.8
22.341750	---	27.90	50.00	22.10	N	OFF	19.9
22.341750	34.90	---	60.00	25.10	N	OFF	19.9



Appendix C. Radiated Spurious Emission

Test Engineer :	Master Huang, Daniel Lee, and JC Liang	Temperature :	22~25°C
		Relative Humidity :	52~56%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.72	60.01	-13.99	74	52.43	31.68	8.38	32.48	284	337	P	H
		5150	52.81	-1.19	54	45.23	31.68	8.38	32.48	284	337	A	H
	*	5180	110.48	-	-	102.85	31.72	8.39	32.48	284	337	P	H
	*	5180	103.06	-	-	95.43	31.72	8.39	32.48	284	337	A	H
													H
													H
		5148.2	57.06	-16.94	74	49.48	31.68	8.38	32.48	100	11	P	V
		5150	49.16	-4.84	54	41.58	31.68	8.38	32.48	100	11	A	V
	*	5180	107.37	-	-	99.74	31.72	8.39	32.48	100	11	P	V
	*	5180	99.78	-	-	92.15	31.72	8.39	32.48	100	11	A	V
													V
													V
802.11a CH 44 5220MHz		5147.42	52.32	-21.68	74	44.74	31.68	8.38	32.48	100	355	P	H
		5150	44.58	-9.42	54	37	31.68	8.38	32.48	100	355	A	H
	*	5220	112.55	-	-	104.9	31.76	8.37	32.48	100	355	P	H
	*	5220	104.95	-	-	97.3	31.76	8.37	32.48	100	355	A	H
		5383.28	47.16	-26.84	74	39.61	31.96	8.08	32.49	100	355	P	H
		5354.44	39.47	-14.53	54	31.89	31.92	8.15	32.49	100	355	A	H
		5145.08	48.81	-25.19	74	41.23	31.68	8.38	32.48	100	255	P	V
		5149.76	41.53	-12.47	54	33.95	31.68	8.38	32.48	100	255	A	V
	*	5220	107.45	-	-	99.8	31.76	8.37	32.48	100	255	P	V
	*	5220	99.75	-	-	92.1	31.76	8.37	32.48	100	255	A	V
		5456.08	47.78	-26.22	74	40.05	32.04	8.19	32.5	100	255	P	V
		5456.64	39.2	-14.8	54	31.47	32.04	8.19	32.5	100	255	A	V



802.11a CH 48 5240MHz		5139.36	49.07	-24.93	74	41.52	31.66	8.37	32.48	100	355	P	H
		5148.72	41.93	-12.07	54	34.35	31.68	8.38	32.48	100	355	A	H
	*	5240	112.83	-	-	105.19	31.78	8.34	32.48	100	355	P	H
	*	5240	105.33	-	-	97.69	31.78	8.34	32.48	100	355	A	H
		5375.16	48.67	-25.33	74	41.11	31.94	8.11	32.49	100	355	P	H
		5350.24	40.13	-13.87	54	32.55	31.92	8.15	32.49	100	355	A	H
		5138.84	49.19	-24.81	74	41.64	31.66	8.37	32.48	100	199	P	V
		5148.72	40.57	-13.43	54	32.99	31.68	8.38	32.48	100	199	A	V
	*	5240	107.33	-	-	99.69	31.78	8.34	32.48	100	199	P	V
	*	5240	99.93	-	-	92.29	31.78	8.34	32.48	100	199	A	V
		5447.12	47.98	-26.02	74	40.29	32.04	8.15	32.5	100	199	P	V
		5457.48	39.33	-14.67	54	31.6	32.04	8.19	32.5	100	199	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	45.55	-28.45	74	60.77	39.49	11.78	66.49	100	0	P	H
		15540	45.18	-28.82	74	56.45	38.32	15.57	65.16	100	0	P	H
													H
													H
		10360	44.81	-29.19	74	60.03	39.49	11.78	66.49	100	0	P	V
		15540	47	-27	74	58.27	38.32	15.57	65.16	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	44.36	-29.64	74	59.32	39.59	11.84	66.39	100	0	P	H
		15660	49.84	-24.16	74	61.5	38.06	15.63	65.35	100	263	P	H
		15660	40.14	-13.86	54	51.8	38.06	15.63	65.35	100	263	A	H
													H
		10440	45.85	-28.15	74	60.81	39.59	11.84	66.39	100	0	P	V
		15660	54.34	-19.66	74	66	38.06	15.63	65.35	100	32	P	V
		15660	44.64	-9.36	54	56.3	38.06	15.63	65.35	100	32	A	V
													V
802.11a CH 48 5240MHz		10480	46.18	-27.82	74	60.94	39.67	11.89	66.32	100	0	P	H
		15720	51.61	-22.39	74	63.5	37.91	15.66	65.46	100	62	P	H
		15720	41.51	-12.49	54	53.4	37.91	15.66	65.46	100	62	A	H
													H
		10480	45.84	-28.16	74	60.6	39.67	11.89	66.32	100	0	P	V
		15720	52.11	-21.89	74	64	37.91	15.66	65.46	100	305	P	V
		15720	41.91	-12.09	54	53.8	37.91	15.66	65.46	100	305	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5148.72	55.64	-18.36	74	48.06	31.68	8.38	32.48	100	6	P	H
		5149.76	46.67	-7.33	54	39.09	31.68	8.38	32.48	100	6	A	H
	*	5180	108.13	-	-	100.5	31.72	8.39	32.48	100	6	P	H
	*	5180	100.33	-	-	92.7	31.72	8.39	32.48	100	6	A	H
													H
													H
		5147.42	53.54	-20.46	74	45.96	31.68	8.38	32.48	100	10	P	V
		5150	45.24	-8.76	54	37.66	31.68	8.38	32.48	100	10	A	V
	*	5180	105.43	-	-	97.8	31.72	8.39	32.48	100	10	P	V
	*	5180	98.13	-	-	90.5	31.72	8.39	32.48	100	10	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5149.76	49.72	-24.28	74	42.14	31.68	8.38	32.48	100	356	P	H
		5146.9	41.41	-12.59	54	33.83	31.68	8.38	32.48	100	356	A	H
	*	5220	109.35	-	-	101.7	31.76	8.37	32.48	100	356	P	H
	*	5220	101.85	-	-	94.2	31.76	8.37	32.48	100	356	A	H
		5424.16	47.19	-26.81	74	39.59	32	8.1	32.5	100	356	P	H
		5414.92	38.91	-15.09	54	31.31	32	8.1	32.5	100	356	A	H
		5141.96	48.78	-25.22	74	41.21	31.68	8.37	32.48	100	10	P	V
		5149.5	40.96	-13.04	54	33.38	31.68	8.38	32.48	100	10	A	V
	*	5220	106.45	-	-	98.8	31.76	8.37	32.48	100	10	P	V
	*	5220	98.95	-	-	91.3	31.76	8.37	32.48	100	10	A	V
		5434.24	48.21	-25.79	74	40.54	32.02	8.15	32.5	100	10	P	V
		5446.84	38.78	-15.22	54	31.09	32.04	8.15	32.5	100	10	A	V



802.11n HT20 CH 48 5240MHz		5106.08	50.28	-23.72	74	42.76	31.64	8.36	32.48	100	22	P	H
		5148.46	40.21	-13.79	54	32.63	31.68	8.38	32.48	100	22	A	H
	*	5240	109.63	-	-	101.99	31.78	8.34	32.48	100	22	P	H
	*	5240	101.93	-	-	94.29	31.78	8.34	32.48	100	22	A	H
		5373.2	46.73	-27.27	74	39.17	31.94	8.11	32.49	100	22	P	H
		5351.36	39.08	-14.92	54	31.5	31.92	8.15	32.49	100	22	A	H
		5149.5	48.72	-25.28	74	41.14	31.68	8.38	32.48	100	22	P	V
		5149.24	40.11	-13.89	54	32.53	31.68	8.38	32.48	100	22	A	V
	*	5240	107.13	-	-	99.49	31.78	8.34	32.48	100	22	P	V
	*	5240	99.23	-	-	91.59	31.78	8.34	32.48	100	22	A	V
		5452.72	47.48	-26.52	74	39.75	32.04	8.19	32.5	100	22	P	V
		5446.28	38.88	-15.12	54	31.19	32.04	8.15	32.5	100	22	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	46.83	-27.17	74	62.05	39.49	11.78	66.49	100	0	P	H
		15540	41.88	-32.12	74	53.15	38.32	15.57	65.16	100	0	P	H
													H
													H
		10360	45.46	-28.54	74	60.68	39.49	11.78	66.49	100	0	P	V
		15540	41.56	-32.44	74	52.83	38.32	15.57	65.16	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	45.74	-28.26	74	60.7	39.59	11.84	66.39	100	0	P	H
		15660	42.73	-31.27	74	54.39	38.06	15.63	65.35	100	0	P	H
													H
													H
		10440	45.96	-28.04	74	60.92	39.59	11.84	66.39	100	0	P	V
		15660	41.61	-32.39	74	53.27	38.06	15.63	65.35	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	47.51	-26.49	74	62.27	39.67	11.89	66.32	100	0	P	H
		15720	43.42	-30.58	74	55.31	37.91	15.66	65.46	100	0	P	H
													H
													H
		10480	46.36	-27.64	74	61.12	39.67	11.89	66.32	100	0	P	V
		15720	42.86	-31.14	74	54.75	37.91	15.66	65.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.5	57.58	-16.42	74	50	31.68	8.38	32.48	297	338	P	H
		5149.76	50.97	-3.03	54	43.39	31.68	8.38	32.48	297	338	A	H
	*	5190	103.69	-	-	96.06	31.72	8.39	32.48	297	338	P	H
	*	5190	96.24	-	-	88.61	31.72	8.39	32.48	297	338	A	H
		5411.56	47.86	-26.14	74	40.31	32	8.05	32.5	297	338	P	H
		5458.6	39.55	-14.45	54	31.82	32.04	8.19	32.5	297	338	A	H
		5145.6	55.07	-18.93	74	47.49	31.68	8.38	32.48	100	10	P	V
		5149.76	48.84	-5.16	54	41.26	31.68	8.38	32.48	100	10	A	V
	*	5190	99.85	-	-	92.22	31.72	8.39	32.48	100	10	P	V
	*	5190	92.26	-	-	84.63	31.72	8.39	32.48	100	10	A	V
		5373.48	47.28	-26.72	74	39.72	31.94	8.11	32.49	100	10	P	V
		5443.48	39.42	-14.58	54	31.75	32.02	8.15	32.5	100	10	A	V
802.11n HT40 CH 46 5230MHz		5145.86	50.91	-23.09	74	43.33	31.68	8.38	32.48	284	338	P	H
		5150	43.59	-10.41	54	36.01	31.68	8.38	32.48	284	338	A	H
	*	5230	105.09	-	-	97.42	31.78	8.37	32.48	284	338	P	H
	*	5230	97.68	-	-	90.01	31.78	8.37	32.48	284	338	A	H
		5368.44	47.98	-26.02	74	40.42	31.94	8.11	32.49	284	338	P	H
		5353.04	40.22	-13.78	54	32.64	31.92	8.15	32.49	284	338	A	H
		5146.64	49.23	-24.77	74	41.65	31.68	8.38	32.48	100	10	P	V
		5142.48	41.55	-12.45	54	33.97	31.68	8.38	32.48	100	10	A	V
	*	5230	102.48	-	-	94.81	31.78	8.37	32.48	100	10	P	V
	*	5230	93.5	-	-	85.83	31.78	8.37	32.48	100	10	A	V
		5459.16	47.97	-26.03	74	40.24	32.04	8.19	32.5	100	10	P	V
		5457.2	39.48	-14.52	54	31.75	32.04	8.19	32.5	100	10	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5140.92	56.41	-17.59	74	48.84	31.68	8.37	32.48	276	339	P	H
		5147.94	50.42	-3.58	54	42.84	31.68	8.38	32.48	276	339	A	H
	*	5210	101.6	-	-	93.92	31.76	8.4	32.48	276	339	P	H
	*	5210	93.16	-	-	85.48	31.76	8.4	32.48	276	339	A	H
		5359.76	47.26	-26.74	74	39.72	31.92	8.11	32.49	276	339	P	H
		5350.24	40.35	-13.65	54	32.77	31.92	8.15	32.49	276	339	A	H
		5149.76	57.83	-16.17	74	50.25	31.68	8.38	32.48	100	12	P	V
		5145.34	47.49	-6.51	54	39.91	31.68	8.38	32.48	100	12	A	V
	*	5210	96.68	-	-	89	31.76	8.4	32.48	100	12	P	V
	*	5210	89.27	-	-	81.59	31.76	8.4	32.48	100	12	A	V
		5382.72	46.66	-27.34	74	39.11	31.96	8.08	32.49	100	12	P	V
		5451.32	39.71	-14.29	54	31.98	32.04	8.19	32.5	100	12	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5079.56	48.89	-25.11	74	41.41	31.6	8.35	32.47	100	356	P	H
		5149.6	40.48	-13.52	54	32.9	31.68	8.38	32.48	100	356	A	H
	*	5260	112.04	-	-	104.41	31.82	8.3	32.49	100	356	P	H
	*	5260	104.44	-	-	96.81	31.82	8.3	32.49	100	356	A	H
		5352.72	47.8	-26.2	74	40.22	31.92	8.15	32.49	100	356	P	H
		5350.56	40.63	-13.37	54	33.05	31.92	8.15	32.49	100	356	A	H
		5030.6	48.69	-25.31	74	41.29	31.54	8.33	32.47	100	249	P	V
		5129.54	39.86	-14.14	54	32.31	31.66	8.37	32.48	100	249	A	V
	*	5260	106.74	-	-	99.11	31.82	8.3	32.49	100	249	P	V
	*	5260	99.64	-	-	92.01	31.82	8.3	32.49	100	249	A	V
		5391.6	47.02	-26.98	74	39.47	31.96	8.08	32.49	100	249	P	V
		5363.28	39.29	-14.71	54	31.73	31.94	8.11	32.49	100	249	A	V
802.11a CH 60 5300MHz		5010.2	48.63	-25.37	74	41.26	31.52	8.32	32.47	100	355	P	H
		5146.2	40.01	-13.99	54	32.43	31.68	8.38	32.48	100	355	A	H
	*	5300	111.81	-	-	104.2	31.86	8.24	32.49	100	355	P	H
	*	5300	104.11	-	-	96.5	31.86	8.24	32.49	100	355	A	H
		5350.56	50.94	-23.06	74	43.36	31.92	8.15	32.49	100	355	P	H
		5350.32	44.56	-9.44	54	36.98	31.92	8.15	32.49	100	355	A	H
		5117.98	48.72	-25.28	74	41.2	31.64	8.36	32.48	100	251	P	V
		5093.5	39.75	-14.25	54	32.25	31.62	8.36	32.48	100	251	A	V
	*	5300	107.21	-	-	99.6	31.86	8.24	32.49	100	251	P	V
	*	5300	99.91	-	-	92.3	31.86	8.24	32.49	100	251	A	V
		5360.88	49.33	-24.67	74	41.77	31.94	8.11	32.49	100	251	P	V
		5350.32	41.7	-12.3	54	34.12	31.92	8.15	32.49	100	251	A	V



802.11a CH 64 5320MHz	*	5320	110.8	-	-	103.2	31.88	8.21	32.49	100	356	P	H
	*	5320	103.5	-	-	95.9	31.88	8.21	32.49	100	356	A	H
		5352	56.04	-17.96	74	48.46	31.92	8.15	32.49	100	356	P	H
		5350.08	49.03	-4.97	54	41.45	31.92	8.15	32.49	100	356	A	H
													H
													H
	*	5320	106.3	-	-	98.7	31.88	8.21	32.49	100	253	P	V
	*	5320	99	-	-	91.4	31.88	8.21	32.49	100	253	A	V
		5352.16	55.66	-18.34	74	48.08	31.92	8.15	32.49	100	253	P	V
		5350.24	45.8	-8.2	54	38.22	31.92	8.15	32.49	100	253	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	45.22	-28.78	74	59.9	39.71	11.92	66.31	100	0	P	H
		15780	52.14	-21.86	74	64.2	37.79	15.69	65.54	100	80	P	H
		15780	42.74	-11.26	54	54.8	37.79	15.69	65.54	100	80	A	H
													H
		10520	45.41	-28.59	74	60.09	39.71	11.92	66.31	100	0	P	V
		15780	52.44	-21.56	74	64.5	37.79	15.69	65.54	100	251	P	V
		15780	41.84	-12.16	54	53.9	37.79	15.69	65.54	100	251	A	V
													V
802.11a CH 60 5300MHz		10600	45.92	-28.08	74	60.04	39.78	12.44	66.34	100	0	P	H
		15900	47.9	-26.1	74	59.9	37.53	16.2	65.73	100	0	P	H
													H
													H
		10600	45.5	-28.5	74	59.62	39.78	12.44	66.34	100	0	P	V
		15900	48.63	-25.37	74	60.63	37.53	16.2	65.73	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	46.13	-27.87	74	60.67	39.81	12.01	66.36	100	0	P	H
		15960	47.74	-26.26	74	60.42	37.38	15.78	65.84	100	0	P	H
													H
													H
		10640	45.45	-28.55	74	59.99	39.81	12.01	66.36	100	0	P	V
		15960	47.19	-26.81	74	59.87	37.38	15.78	65.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5035.02	49.75	-24.25	74	42.35	31.54	8.33	32.47	100	23	P	H
		5149.6	40.23	-13.77	54	32.65	31.68	8.38	32.48	100	23	A	H
	*	5260	110.24	-	-	102.61	31.82	8.3	32.49	100	23	P	H
	*	5260	102.54	-	-	94.91	31.82	8.3	32.49	100	23	A	H
		5388.24	47.53	-26.47	74	39.98	31.96	8.08	32.49	100	23	P	H
		5352	40.28	-13.72	54	32.7	31.92	8.15	32.49	100	23	A	H
		5101.32	49.21	-24.79	74	41.71	31.62	8.36	32.48	100	9	P	V
		5144.16	40.32	-13.68	54	32.74	31.68	8.38	32.48	100	9	A	V
	*	5260	106.54	-	-	98.91	31.82	8.3	32.49	100	9	P	V
	*	5260	99.34	-	-	91.71	31.82	8.3	32.49	100	9	A	V
		5455.2	48.9	-25.1	74	41.17	32.04	8.19	32.5	100	9	P	V
		5456.88	39.23	-14.77	54	31.5	32.04	8.19	32.5	100	9	A	V
802.11n HT20 CH 60 5300MHz		5129.2	48.57	-25.43	74	41.02	31.66	8.37	32.48	100	24	P	H
		5127.84	40.02	-13.98	54	32.47	31.66	8.37	32.48	100	24	A	H
	*	5300	108.71	-	-	101.1	31.86	8.24	32.49	100	24	P	H
	*	5300	101.31	-	-	93.7	31.86	8.24	32.49	100	24	A	H
		5355.36	52.68	-21.32	74	45.1	31.92	8.15	32.49	100	24	P	H
		5351.28	45.31	-8.69	54	37.73	31.92	8.15	32.49	100	24	A	H
		5149.26	49.85	-24.15	74	42.27	31.68	8.38	32.48	100	10	P	V
		5107.78	40.1	-13.9	54	32.58	31.64	8.36	32.48	100	10	A	V
	*	5300	104.81	-	-	97.2	31.86	8.24	32.49	100	10	P	V
	*	5300	97.61	-	-	90	31.86	8.24	32.49	100	10	A	V
		5357.28	49.74	-24.26	74	42.16	31.92	8.15	32.49	100	10	P	V
		5350.32	41.65	-12.35	54	34.07	31.92	8.15	32.49	100	10	A	V



802.11n HT20 CH 64 5320MHz	*	5320	109.19	-	-	101.59	31.88	8.21	32.49	108	21	P	H
	*	5320	101.34	-	-	93.74	31.88	8.21	32.49	108	21	A	H
		5360.48	55.76	-18.24	74	48.22	31.92	8.11	32.49	108	21	P	H
		5350.08	47.21	-6.79	54	39.63	31.92	8.15	32.49	108	21	A	H
													H
													H
	*	5320	104.88	-	-	97.28	31.88	8.21	32.49	110	21	P	V
	*	5320	97.11	-	-	89.51	31.88	8.21	32.49	110	21	A	V
		5353.92	50.72	-23.28	74	43.14	31.92	8.15	32.49	110	21	P	V
		5350.24	43.74	-10.26	54	36.16	31.92	8.15	32.49	110	21	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	45.08	-28.92	74	59.76	39.71	11.92	66.31	100	0	P	H
		15780	44.47	-29.53	74	56.53	37.79	15.69	65.54	100	0	P	H
													H
													H
		10520	45.03	-28.97	74	59.71	39.71	11.92	66.31	100	0	P	V
		15780	44.48	-29.52	74	56.54	37.79	15.69	65.54	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	46.97	-27.03	74	61.55	39.78	11.98	66.34	100	0	P	H
		15900	42.69	-31.31	74	55.14	37.53	15.75	65.73	100	0	P	H
													H
													H
		10600	45.23	-28.77	74	59.81	39.78	11.98	66.34	100	0	P	V
		15900	42.48	-31.52	74	54.93	37.53	15.75	65.73	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	47.26	-26.74	74	61.8	39.81	12.01	66.36	100	0	P	H
		15960	41.13	-32.87	74	53.81	37.38	15.78	65.84	100	0	P	H
													H
													H
		10640	45.91	-28.09	74	60.45	39.81	12.01	66.36	100	0	P	V
		15960	42.23	-31.77	74	54.91	37.38	15.78	65.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5092.82	48.48	-25.52	74	40.98	31.62	8.36	32.48	292	336	P	H
		5139.74	40.78	-13.22	54	33.21	31.68	8.37	32.48	292	336	A	H
	*	5270	105.47	-	-	97.87	31.82	8.27	32.49	292	336	P	H
	*	5270	97.34	-	-	89.74	31.82	8.27	32.49	292	336	A	H
		5353.68	51.94	-22.06	74	44.36	31.92	8.15	32.49	292	336	P	H
		5351.52	43.24	-10.76	54	35.66	31.92	8.15	32.49	292	336	A	H
		5086.7	48.28	-25.72	74	40.8	31.6	8.35	32.47	100	12	P	V
		5110.5	40.57	-13.43	54	33.05	31.64	8.36	32.48	100	12	A	V
	*	5270	100.79	-	-	93.19	31.82	8.27	32.49	100	12	P	V
	*	5270	92.92	-	-	85.32	31.82	8.27	32.49	100	12	A	V
		5351.04	47.56	-26.44	74	39.98	31.92	8.15	32.49	100	12	P	V
		5350.08	40.3	-13.7	54	32.72	31.92	8.15	32.49	100	12	A	V
802.11n HT40 CH 62 5310MHz		5120.36	48.3	-25.7	74	40.78	31.64	8.36	32.48	275	341	P	H
		5080.58	40.48	-13.52	54	33	31.6	8.35	32.47	275	341	A	H
	*	5310	104.6	-	-	97	31.88	8.21	32.49	275	341	P	H
	*	5310	96.65	-	-	89.05	31.88	8.21	32.49	275	341	A	H
		5350.08	54.19	-19.81	74	46.61	31.92	8.15	32.49	275	341	P	H
		5350.56	47.55	-6.45	54	39.97	31.92	8.15	32.49	275	341	A	H
		5056.78	48.52	-25.48	74	41.07	31.58	8.34	32.47	333	25	P	V
		5066.64	40.44	-13.56	54	32.99	31.58	8.34	32.47	333	25	A	V
	*	5310	100.59	-	-	92.99	31.88	8.21	32.49	333	25	P	V
	*	5310	92.72	-	-	85.12	31.88	8.21	32.49	333	25	A	V
		5351.52	51.04	-22.96	74	43.46	31.92	8.15	32.49	333	25	P	V
		5350.32	44.14	-9.86	54	36.56	31.92	8.15	32.49	333	25	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5103.02	48.1	-25.9	74	40.6	31.62	8.36	32.48	263	345	P	H
		5138.72	40.74	-13.26	54	33.19	31.66	8.37	32.48	263	345	A	H
	*	5290	101.72	-	-	94.13	31.84	8.24	32.49	263	345	P	H
	*	5290	93.27	-	-	85.68	31.84	8.24	32.49	263	345	A	H
		5354.16	56.36	-17.64	74	48.78	31.92	8.15	32.49	263	345	P	H
		5350.08	49.47	-4.53	54	41.89	31.92	8.15	32.49	263	345	A	H
		5037.06	48.74	-25.26	74	41.34	31.54	8.33	32.47	100	10	P	V
		5125.46	40.57	-13.43	54	33.02	31.66	8.37	32.48	100	10	A	V
	*	5290	97	-	-	89.41	31.84	8.24	32.49	100	10	P	V
	*	5290	87.72	-	-	80.13	31.84	8.24	32.49	100	10	A	V
		5363.04	54.38	-19.62	74	46.82	31.94	8.11	32.49	100	10	P	V
		5350.56	44.24	-9.76	54	36.66	31.92	8.15	32.49	100	10	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5444.88	52.44	-21.56	74	44.77	32.02	8.15	32.5	271	347	P	H
		5469.52	57.27	-10.93	68.2	49.47	32.06	8.24	32.5	271	347	P	H
		5459.92	45.61	-8.39	54	37.88	32.04	8.19	32.5	271	347	P	H
	*	5500	108.71	-	-	100.82	32.1	8.29	32.5	271	347	P	H
	*	5500	101.13	-	-	93.24	32.1	8.29	32.5	271	347	A	H
													H
		5450.96	49.93	-24.07	74	42.2	32.04	8.19	32.5	110	23	P	V
		5466.64	52.3	-15.9	68.2	44.5	32.06	8.24	32.5	110	23	P	V
		5459.28	42.33	-11.67	54	34.6	32.04	8.19	32.5	110	23	P	V
	*	5500	104.65	-	-	96.76	32.1	8.29	32.5	110	23	P	V
	*	5500	97.13	-	-	89.24	32.1	8.29	32.5	110	23	A	V
													V
802.11a CH 116 5580MHz		5393.68	46.75	-27.25	74	39.2	31.96	8.08	32.49	263	341	P	H
		5467.36	46.28	-21.92	68.2	38.48	32.06	8.24	32.5	263	341	P	H
		5456.56	39.51	-14.49	54	31.78	32.04	8.19	32.5	263	341	P	H
	*	5580	108.54	-	-	100.38	32.17	8.53	32.54	263	341	P	H
	*	5580	100.34	-	-	92.18	32.17	8.53	32.54	263	341	A	H
		5730.665	49.86	-18.34	68.2	41.12	32.32	9.01	32.59	263	341	P	H
		5443.12	47.01	-26.99	74	39.34	32.02	8.15	32.5	111	24	P	V
		5461.36	45.98	-22.22	68.2	38.25	32.04	8.19	32.5	111	24	P	V
		5448.4	38.91	-15.09	54	31.18	32.04	8.19	32.5	111	24	P	V
	*	5580	104.53	-	-	96.37	32.17	8.53	32.54	111	24	P	V
	*	5580	96.88	-	-	88.72	32.17	8.53	32.54	111	24	A	V
		5763.11	49.75	-18.45	68.2	40.85	32.36	9.14	32.6	111	24	P	V



802.11a CH 140 5700MHz	*	5700	110.77	-	-	102.1	32.29	8.95	32.57	100	317	P	H
	*	5700	103.17	-	-	94.5	32.29	8.95	32.57	100	317	A	H
		5725.96	64.01	-4.19	68.2	55.26	32.32	9.01	32.58	100	317	P	H
													H
													H
													H
	*	5700	107.41	-	-	98.74	32.29	8.95	32.57	100	254	P	V
	*	5700	99.47	-	-	90.8	32.29	8.95	32.57	100	254	A	V
		5725.72	62.45	-5.75	68.2	53.7	32.32	9.01	32.58	100	254	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	44.54	-29.46	74	58.63	40.1	12.31	66.5	100	0	P	H
		16500	43.78	-24.42	68.2	55.18	38.8	16.2	66.4	100	0	P	H
													H
													H
		11000	45.63	-28.37	74	59.72	40.1	12.31	66.5	100	0	P	V
		16500	44	-24.2	68.2	55.4	38.8	16.2	66.4	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	46.21	-27.79	74	60.16	40	12.45	66.4	100	0	P	H
		16740	44.5	-23.7	68.2	55.14	39.33	16.38	66.35	100	0	P	H
													H
													H
		11160	45.86	-28.14	74	59.81	40	12.45	66.4	100	0	P	V
		16740	44.93	-23.27	68.2	55.57	39.33	16.38	66.35	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	43.71	-30.29	74	57.45	39.86	12.66	66.26	100	0	P	H
		17100	45.36	-22.84	68.2	54.5	40.38	16.66	66.18	100	0	P	H
													H
													H
		11400	43.66	-30.34	74	57.4	39.86	12.66	66.26	100	0	P	V
		17100	45.27	-22.93	68.2	54.41	40.38	16.66	66.18	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5454.8	51.23	-22.77	74	43.5	32.04	8.19	32.5	300	357	P	H
		5468.88	51.25	-16.95	68.2	43.45	32.06	8.24	32.5	300	357	P	H
		5459.76	43.32	-10.68	54	35.59	32.04	8.19	32.5	300	357	A	H
	*	5500	106.65	-	-	98.76	32.1	8.29	32.5	300	357	P	H
	*	5500	99.13	-	-	91.24	32.1	8.29	32.5	300	357	A	H
													H
		5457.36	48.14	-25.86	74	40.41	32.04	8.19	32.5	112	266	P	V
		5464.72	49.45	-18.75	68.2	41.7	32.06	8.19	32.5	112	266	P	V
		5450.16	40.74	-13.26	54	33.01	32.04	8.19	32.5	112	266	A	V
	*	5500	101.63	-	-	93.74	32.1	8.29	32.5	112	266	P	V
	*	5500	94.18	-	-	86.29	32.1	8.29	32.5	112	266	A	V
													V
802.11n HT20 CH 116 5580MHz		5444.32	48.38	-25.62	74	40.71	32.02	8.15	32.5	278	342	P	H
		5465.44	47.94	-20.26	68.2	40.19	32.06	8.19	32.5	278	342	P	H
		5450.8	39.56	-14.44	54	31.83	32.04	8.19	32.5	278	342	A	H
	*	5580	106.69	-	-	98.53	32.17	8.53	32.54	278	342	P	H
	*	5580	98.41	-	-	90.25	32.17	8.53	32.54	278	342	A	H
		5753.03	48.8	-19.4	68.2	39.96	32.36	9.07	32.59	278	342	P	H
		5352.16	46.79	-27.21	74	39.21	31.92	8.15	32.49	104	268	P	V
		5459.92	46.38	-27.62	74	38.65	32.04	8.19	32.5	104	268	P	V
		5427.76	39.02	-14.98	54	31.42	32	8.1	32.5	104	268	A	V
	*	5580	101.54	-	-	93.38	32.17	8.53	32.54	104	268	P	V
	*	5580	93.43	-	-	85.27	32.17	8.53	32.54	104	268	A	V
		5742.95	48.93	-19.27	68.2	40.11	32.34	9.07	32.59	104	268	P	V



802.11n HT20 CH 140 5700MHz	*	5700	107.81	-	-	99.14	32.29	8.95	32.57	262	315	P	H
	*	5700	99.88	-	-	91.21	32.29	8.95	32.57	262	315	A	H
		5725.96	59.01	-9.19	68.2	50.26	32.32	9.01	32.58	262	315	P	H
													H
													H
													H
	*	5700	104.15	-	-	95.48	32.29	8.95	32.57	105	240	P	V
	*	5700	95.91	-	-	87.24	32.29	8.95	32.57	105	240	A	V
		5726.92	56.97	-11.23	68.2	48.22	32.32	9.01	32.58	105	240	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	45.36	-28.64	74	59.45	40.1	12.31	66.5	100	0	P	H
		16500	44.05	-24.15	68.2	55.45	38.8	16.2	66.4	100	0	P	H
													H
													H
		11000	45.85	-28.15	74	59.94	40.1	12.31	66.5	100	0	P	V
		16500	44.2	-24	68.2	55.6	38.8	16.2	66.4	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	44.21	-29.79	74	58.16	40	12.45	66.4	100	0	P	H
		16740	44.17	-24.03	68.2	54.81	39.33	16.38	66.35	100	0	P	H
													H
													H
		11160	45.25	-28.75	74	59.2	40	12.45	66.4	100	0	P	V
		16740	43.97	-24.23	68.2	54.61	39.33	16.38	66.35	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	44.27	-29.73	74	58.01	39.86	12.66	66.26	100	0	P	H
		17100	44.79	-23.41	68.2	53.93	40.38	16.66	66.18	100	0	P	H
													H
													H
		11400	45.58	-28.42	74	59.32	39.86	12.66	66.26	100	0	P	V
		17100	44.87	-23.33	68.2	54.01	40.38	16.66	66.18	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5459.68	54.52	-19.48	74	46.79	32.04	8.19	32.5	301	357	P	H
		5465.92	55.06	-13.14	68.2	47.31	32.06	8.19	32.5	301	357	P	H
		5458.96	44.9	-9.1	54	37.17	32.04	8.19	32.5	301	357	A	H
	*	5510	102	-	-	94.07	32.1	8.34	32.51	301	357	P	H
	*	5510	93.77	-	-	85.84	32.1	8.34	32.51	301	357	A	H
		5733.815	49.02	-19.18	68.2	40.28	32.32	9.01	32.59	301	357	P	H
		5444.32	48.94	-25.06	74	41.27	32.02	8.15	32.5	112	239	P	V
		5467.84	48.29	-19.91	68.2	40.49	32.06	8.24	32.5	112	239	P	V
		5459.44	41.35	-12.65	54	33.62	32.04	8.19	32.5	112	239	A	V
	*	5510	96.22	-	-	88.29	32.1	8.34	32.51	112	239	P	V
	*	5510	89.04	-	-	81.11	32.1	8.34	32.51	112	239	A	V
		5740.745	48.25	-19.95	68.2	39.43	32.34	9.07	32.59	112	239	P	V
802.11n HT40 CH 110 5550MHz		5455.36	47.98	-26.02	74	40.25	32.04	8.19	32.5	268	342	P	H
		5461.84	48.22	-19.98	68.2	40.49	32.04	8.19	32.5	268	342	P	H
		5459.68	41.63	-12.37	54	33.9	32.04	8.19	32.5	268	342	A	H
	*	5550	100.56	-	-	92.49	32.15	8.44	32.52	268	342	P	H
	*	5550	93.87	-	-	85.8	32.15	8.44	32.52	268	342	A	H
		5750.825	48.64	-19.56	68.2	39.82	32.34	9.07	32.59	268	342	P	H
		5377.6	47.73	-26.27	74	40.18	31.96	8.08	32.49	100	239	P	V
		5469.52	46.49	-21.71	68.2	38.69	32.06	8.24	32.5	100	239	P	V
		5458.96	39.88	-14.12	54	32.15	32.04	8.19	32.5	100	239	A	V
	*	5550	97.39	-	-	89.32	32.15	8.44	32.52	100	239	P	V
	*	5550	89.32	-	-	81.25	32.15	8.44	32.52	100	239	A	V
		5745.155	48.42	-19.78	68.2	39.6	32.34	9.07	32.59	100	239	P	V



802.11n HT40 CH 134 5670MHz		5449.75	47.51	-26.49	74	39.78	32.04	8.19	32.5	251	316	P	H
		5468.3	45.11	-23.09	68.2	37.31	32.06	8.24	32.5	251	316	P	H
		5458.15	39.64	-14.36	54	31.91	32.04	8.19	32.5	251	316	A	H
	*	5670	102.62	-	-	94.08	32.27	8.83	32.56	251	316	P	H
	*	5670	95.2	-	-	86.66	32.27	8.83	32.56	251	316	A	H
		5725.8	53.57	-14.63	68.2	44.82	32.32	9.01	32.58	251	316	P	H
		5422.45	48.43	-25.57	74	40.83	32	8.1	32.5	133	269	P	V
		5463.4	46.31	-21.89	68.2	38.56	32.06	8.19	32.5	133	269	P	V
		5432.95	39.49	-14.51	54	31.82	32.02	8.15	32.5	133	269	A	V
	*	5670	98.66	-	-	90.12	32.27	8.83	32.56	133	269	P	V
	*	5670	91.43	-	-	82.89	32.27	8.83	32.56	133	269	A	V
		5732.45	51.07	-17.13	68.2	42.33	32.32	9.01	32.59	133	269	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5458	56.67	-17.33	74	48.94	32.04	8.19	32.5	281	341	P	H
		5467.36	55.26	-12.94	68.2	47.46	32.06	8.24	32.5	281	341	P	H
		5432.56	46.99	-7.01	54	39.32	32.02	8.15	32.5	281	341	A	H
	*	5530	98.5	-	-	90.51	32.12	8.39	32.52	281	341	P	H
	*	5530	90.66	-	-	82.67	32.12	8.39	32.52	281	341	A	H
		5749.25	49.93	-18.27	68.2	41.11	32.34	9.07	32.59	281	341	P	H
		5443.84	50.71	-23.29	74	43.04	32.02	8.15	32.5	106	266	P	V
		5470	49.78	-18.42	68.2	41.98	32.06	8.24	32.5	106	266	P	V
		5458.72	42.85	-11.15	54	35.12	32.04	8.19	32.5	106	266	A	V
	*	5530	93.66	-	-	85.67	32.12	8.39	32.52	106	266	P	V
	*	5530	85.47	-	-	77.48	32.12	8.39	32.52	106	266	A	V
		5736.65	48.89	-19.31	68.2	40.07	32.34	9.07	32.59	106	266	P	V
802.11ac VHT80 CH 122 5610MHz		5396.32	47.02	-26.98	74	39.48	31.98	8.05	32.49	275	342	P	H
		5469.04	46.45	-21.75	68.2	38.65	32.06	8.24	32.5	275	342	P	H
		5450.32	40.29	-13.71	54	32.56	32.04	8.19	32.5	275	342	A	H
	*	5610	98.33	-	-	90.03	32.2	8.64	32.54	275	342	P	H
	*	5610	90.79	-	-	82.49	32.2	8.64	32.54	275	342	A	H
		5733.815	49.92	-18.28	68.2	41.18	32.32	9.01	32.59	275	342	P	H
		5387.92	47.35	-26.65	74	39.8	31.96	8.08	32.49	100	268	P	V
		5460.4	47.39	-20.81	68.2	39.66	32.04	8.19	32.5	100	268	P	V
		5456.8	39.53	-14.47	54	31.8	32.04	8.19	32.5	100	268	A	V
	*	5610	94.5	-	-	86.2	32.2	8.64	32.54	100	268	P	V
	*	5610	86.03	-	-	77.73	32.2	8.64	32.54	100	268	A	V
		5755.235	49.31	-18.89	68.2	40.4	32.36	9.14	32.59	100	268	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	111	-	-	102.25	32.32	9.01	32.58	266	344	P	H
	*	5720	103.47	-	-	94.72	32.32	9.01	32.58	266	344	A	H
													H
													H
													H
													H
	*	5720	107.44	-	-	98.69	32.32	9.01	32.58	113	240	P	V
	*	5720	99.92	-	-	91.17	32.32	9.01	32.58	113	240	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5720	108.74	-	-	99.99	32.32	9.01	32.58	264	344	P	H
	*	5720	101.1	-	-	92.35	32.32	9.01	32.58	264	344	A	H
													H
													H
													H
													H
	*	5720	105.2	-	-	96.45	32.32	9.01	32.58	112	239	P	V
	*	5720	97.79	-	-	89.04	32.32	9.01	32.58	112	239	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5710	104.88	-	-	96.2	32.31	8.95	32.58	282	344	P	H
	*	5710	97.09	-	-	88.41	32.31	8.95	32.58	282	344	A	H
													H
													H
													H
													H
	*	5710	101.46	-	-	92.78	32.31	8.95	32.58	142	270	P	V
	*	5710	93.67	-	-	84.99	32.31	8.95	32.58	142	270	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	100.46	-	-	91.85	32.29	8.89	32.57	282	343	P	H
	*	5690	92.95	-	-	84.34	32.29	8.89	32.57	282	343	A	H
													H
													H
													H
													H
	*	5690	97.12	-	-	88.51	32.29	8.89	32.57	110	267	P	V
	*	5690	89.15	-	-	80.54	32.29	8.89	32.57	110	267	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		39.99	26.05	-13.95	40	38.47	19.46	0.89	32.77	-	-	P	H
		147.45	30.52	-12.98	43.5	44.33	17.18	1.69	32.68	-	-	P	H
		266.25	29.67	-16.33	46	40.75	19.4	2.13	32.61	-	-	P	H
		570.2	26.47	-19.53	46	30.35	25.8	3.09	32.77	-	-	P	H
		749.4	29.77	-16.23	46	30.72	28.27	3.5	32.72	-	-	P	H
		951.7	33.14	-12.86	46	29.82	30.72	4.1	31.5	100	0	P	H
													H
													H
													H
													H
													H
													H
		40.53	36.21	-3.79	40	49.15	18.94	0.89	32.77	100	198	QP	V
		162.57	27.79	-15.71	43.5	42.35	16.36	1.75	32.67	-	-	P	V
		270.84	32.53	-13.47	46	43.79	19.21	2.13	32.6	-	-	P	V
		459.6	25.7	-20.3	46	32.37	23.21	2.74	32.62	-	-	P	V
		625.5	27.8	-18.2	46	31.35	26.04	3.22	32.81	-	-	P	V
		957.3	33.07	-12.93	46	29.4	30.99	4.13	31.45	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

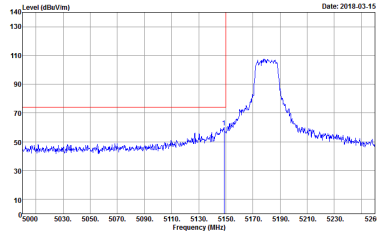
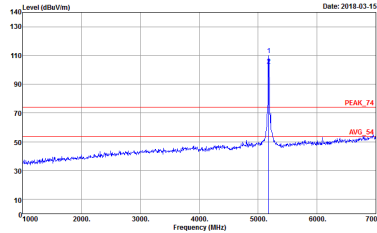
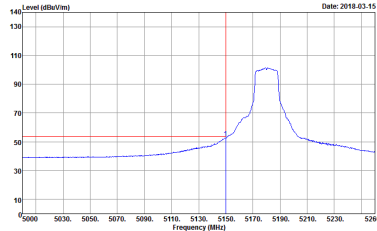
Test Engineer :	Master Huang, Daniel Lee, and JC Liang	Temperature :	22~25°C
		Relative Humidity :	52~56%

Note symbol

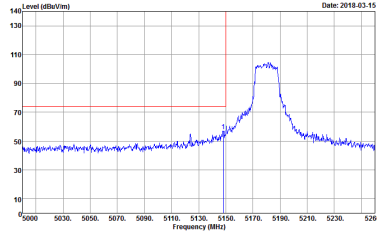
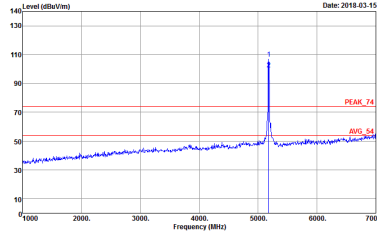
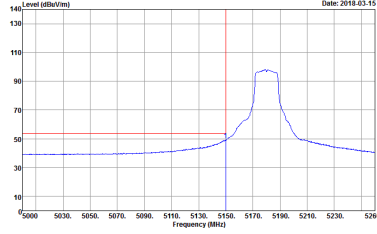
-L	Low channel location
-R	High channel location



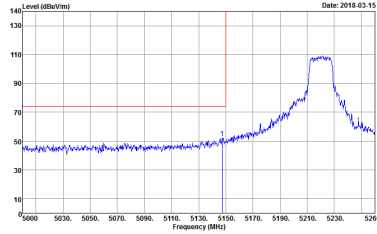
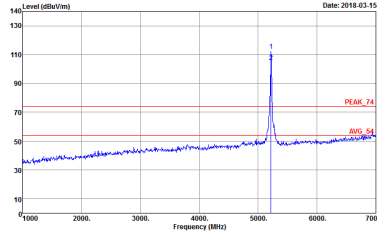
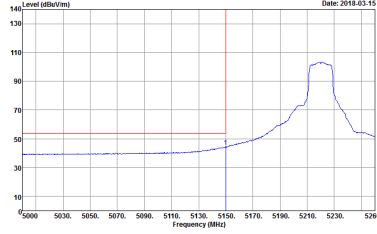
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 7DZ711-02 Power : 1 : 15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 7DZ711-02 Power : 1 : 15
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Mode : 7DZ711-02 Power : 1 : 15	Left blank

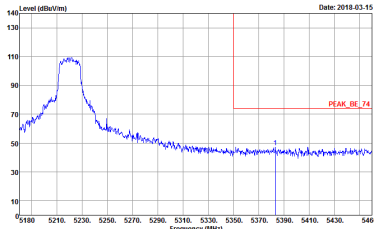
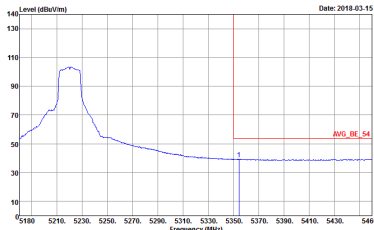


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 1 Power : 15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 1 Power : 15
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 1 Power : 15	Left blank

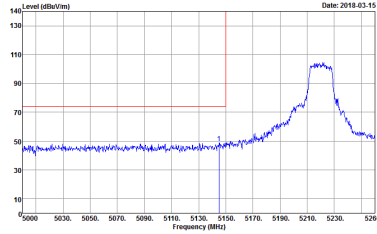
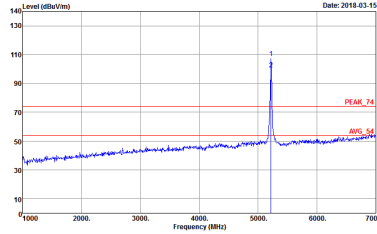
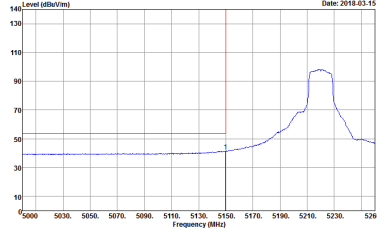


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 2	Left blank

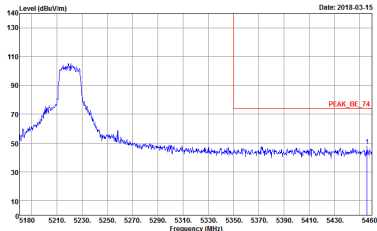
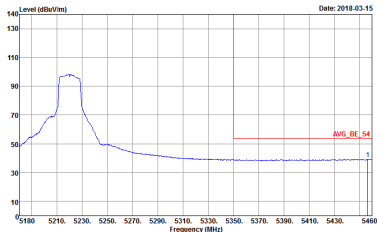


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7DZ711-02 Mode : 2	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7DZ711-02 Mode : 2	Left blank

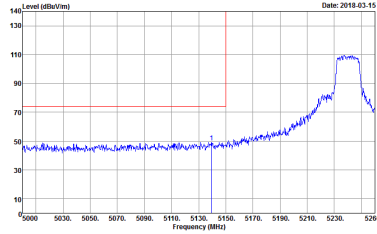
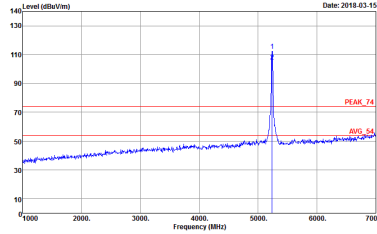
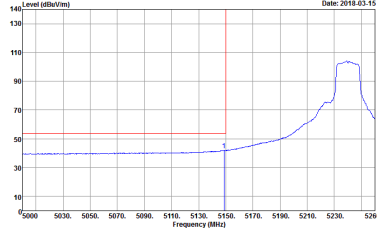


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 2	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 2
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 2	Left blank

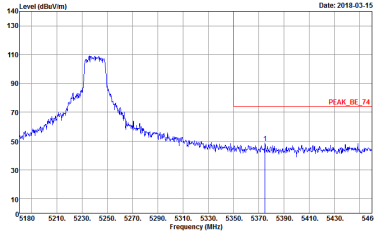
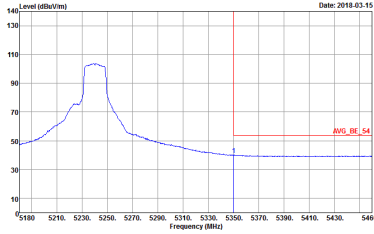


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7DZ711-02 Mode : 2	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7DZ711-02 Mode : 2	Left blank

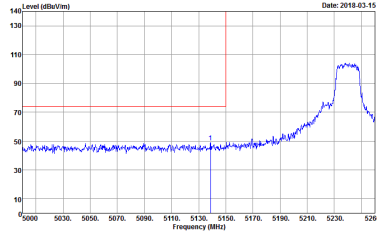
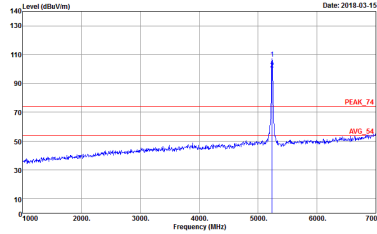
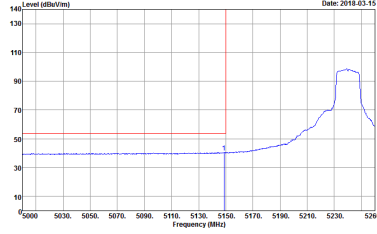


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 3	Left blank

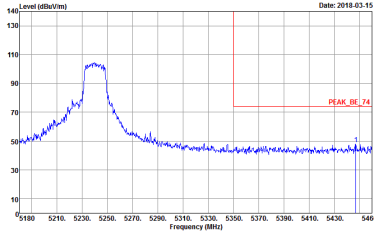
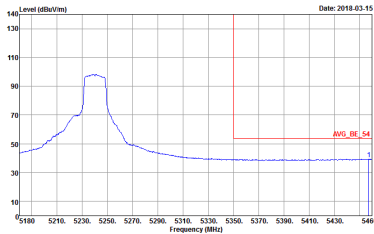


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7DZ711-02 Mode : 3	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7DZ711-02 Mode : 3	Left blank

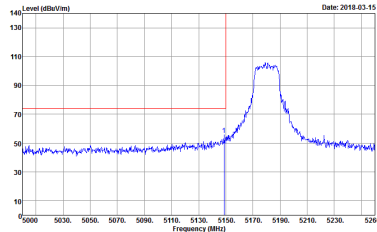
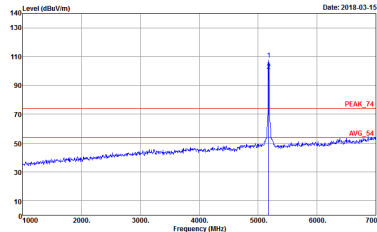
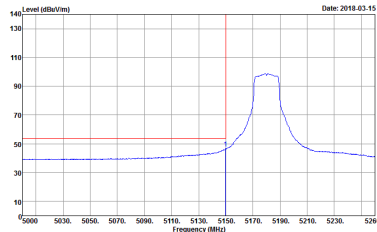


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 3	Left blank

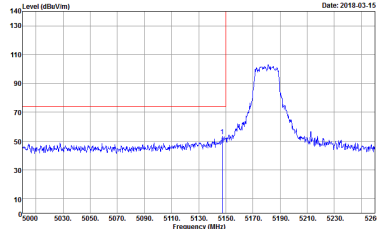
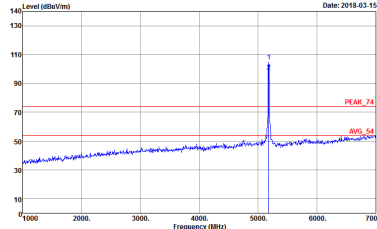
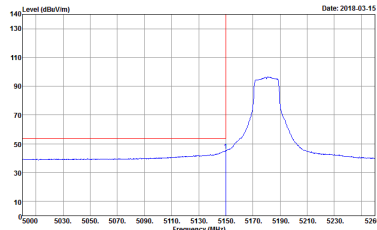


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 3	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 3	Left blank

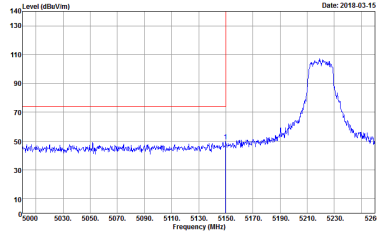
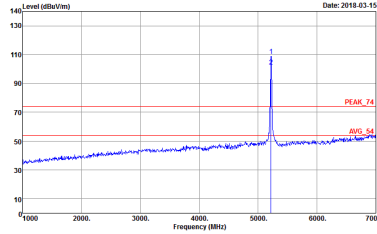
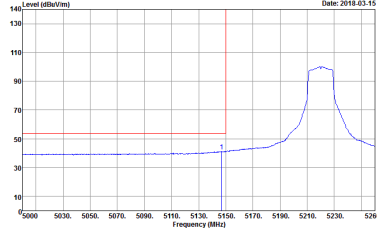
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 4	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 4
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 4	Left blank

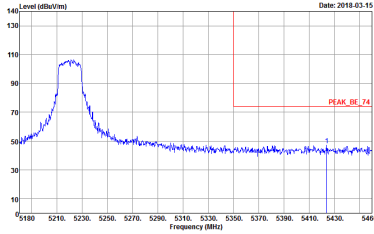
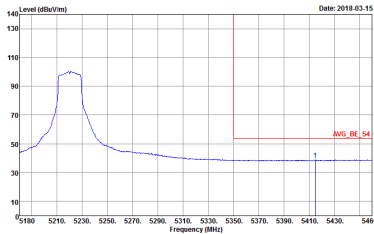


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 4	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 4
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 4	Left blank

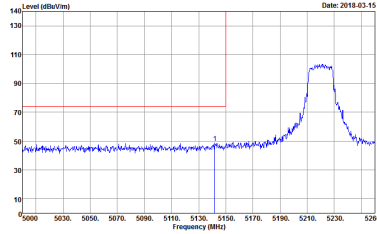
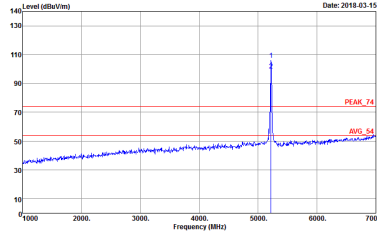
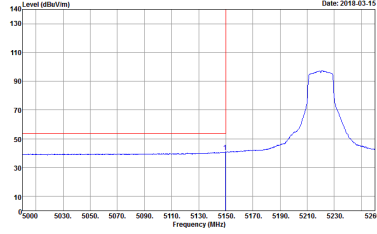


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 5
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 5	Left blank

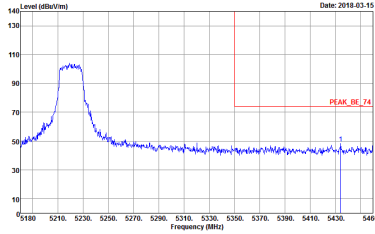
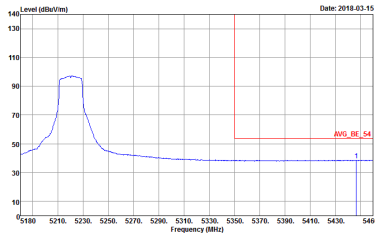


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 5	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 5	Left blank

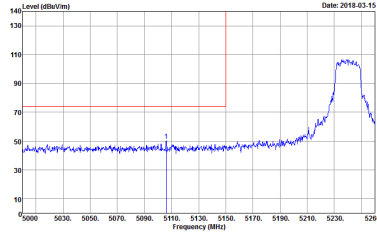
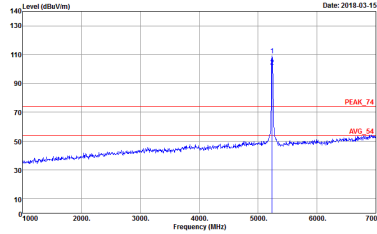
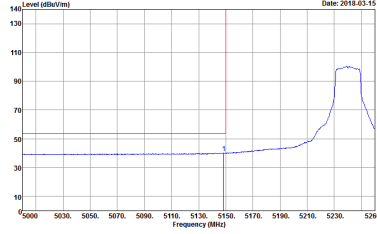


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 5
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 5	Left blank

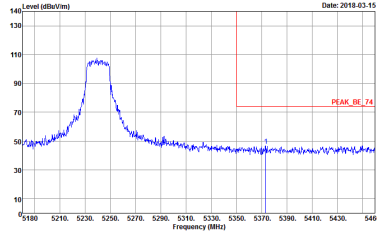
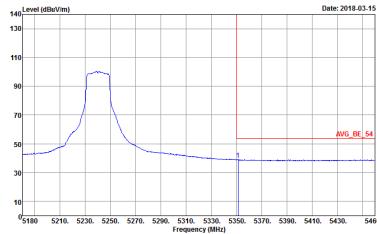


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 5	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 5	Left blank

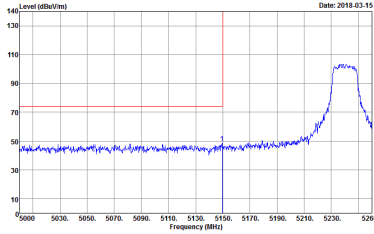
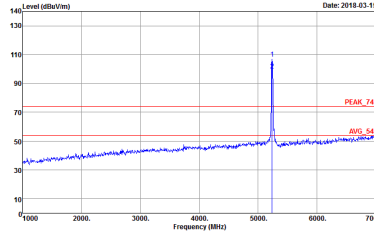
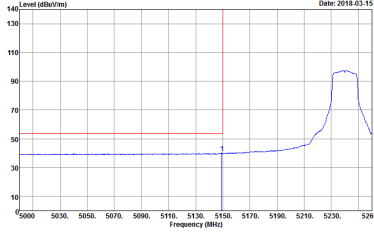


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 6
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 6	Left blank

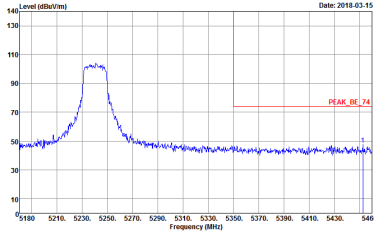
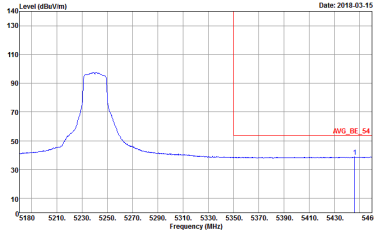


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 6	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 6	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	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 : 7DZ711-02 Mode : 6	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 6
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 6	Left blank



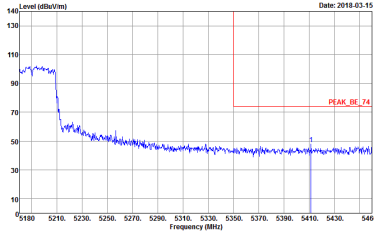
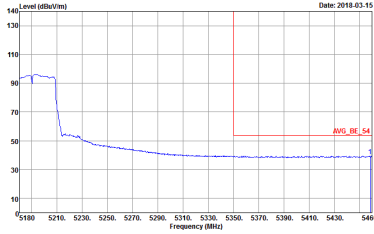
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 6	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 6	Left blank



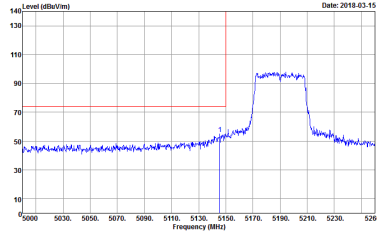
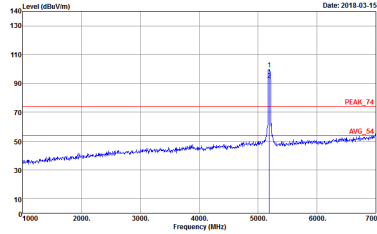
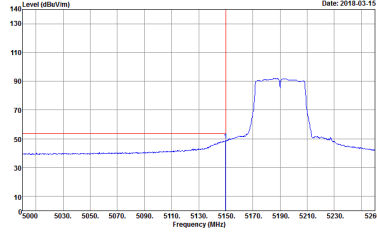
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 7D2711-02 Mode : 7 Power : 12	Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 7D2711-02 Mode : 7 Power : 12
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : 7D2711-02 Mode : 7 Power : 12	Left blank

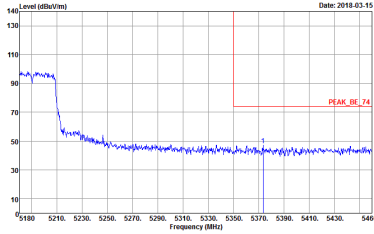
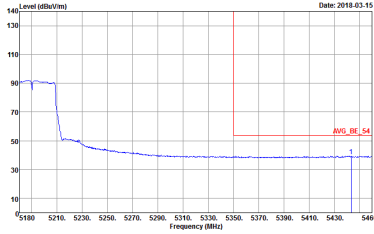


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 7 Power : 12	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 7 Power : 12	Left blank

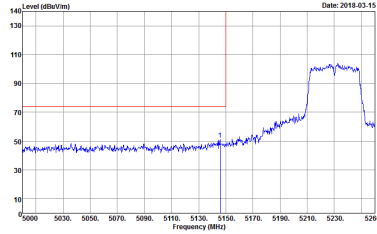
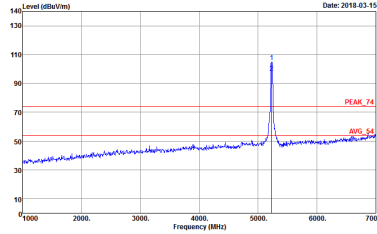
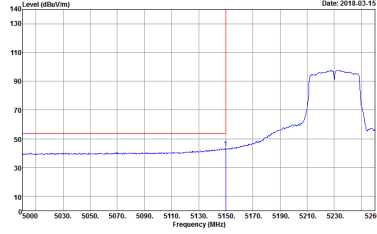


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 7 Power : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 7 Power : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 7 Power : 12	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 7 Power : 12	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 7 Power : 12	Left blank

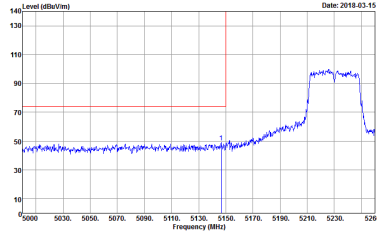
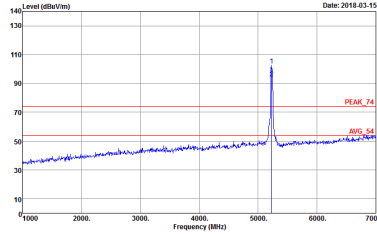
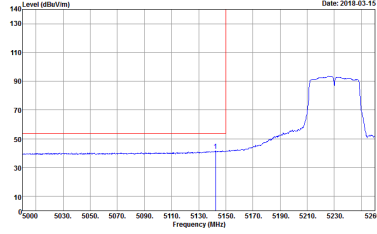


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 8	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 8
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 8	Left blank

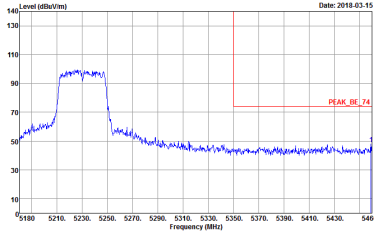
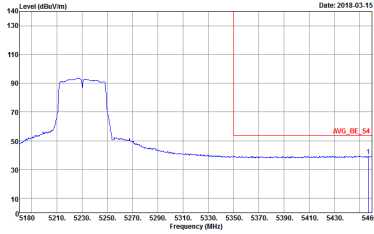


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 8	Left blank
Avg.	Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 8	Left blank



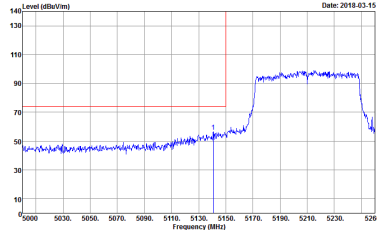
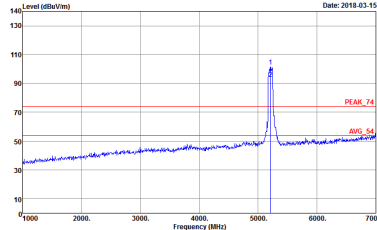
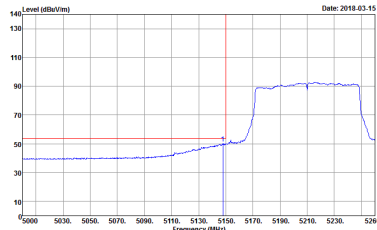
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 8	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 8
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 8	Left blank



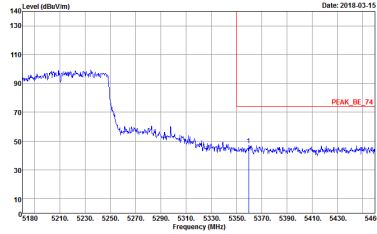
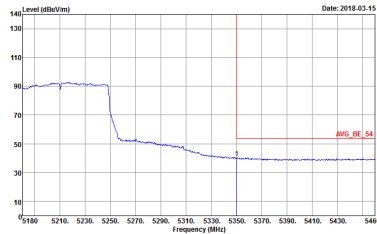
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 8	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 8	Left blank



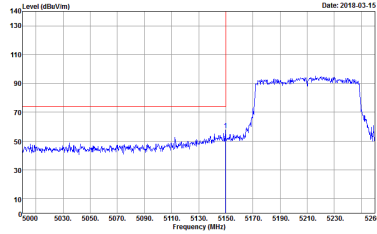
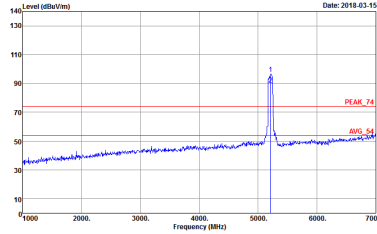
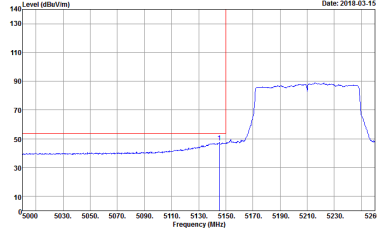
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 9
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 9	Left blank

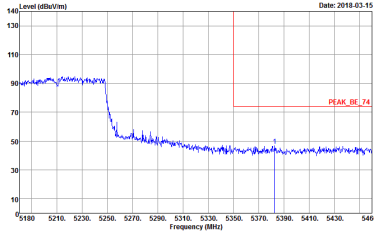
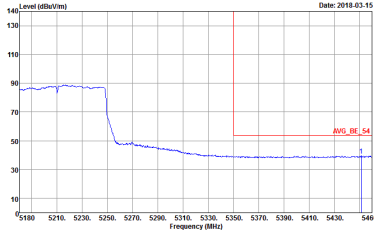


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 9	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 9	Left blank



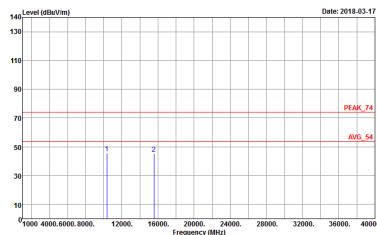
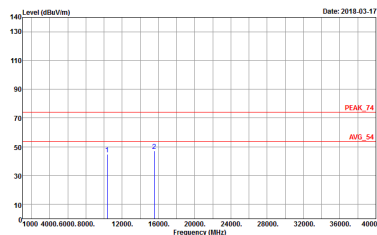
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 9	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 9
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 9	Left blank



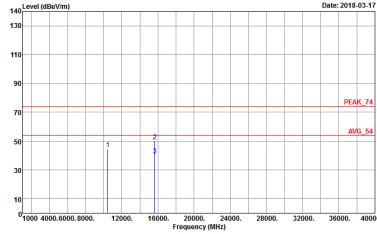
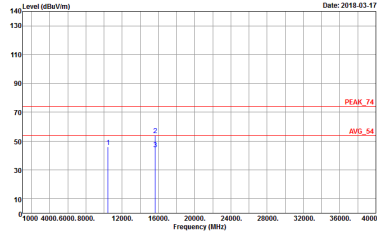
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 9	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 9	Left blank



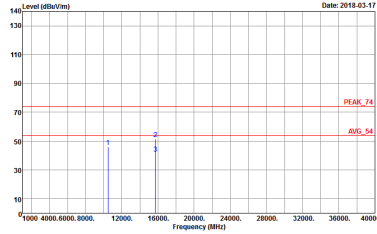
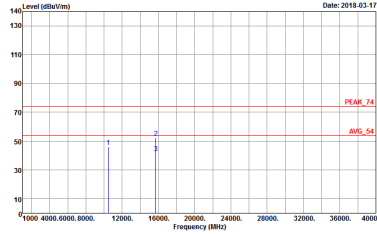
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 1 Power : 15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 1 Power : 15



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 2	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 2



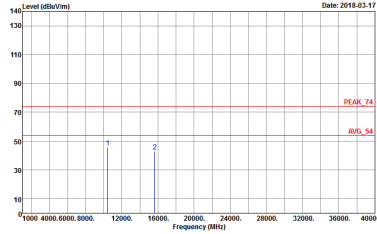
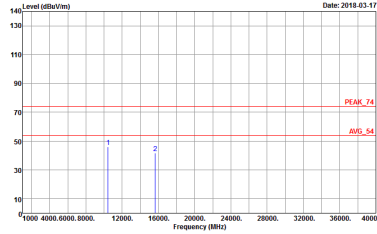
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 3	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 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	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 4	Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 4



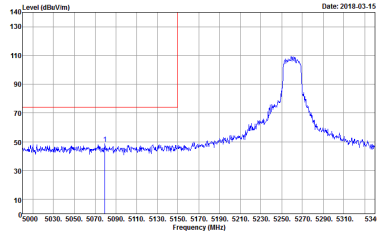
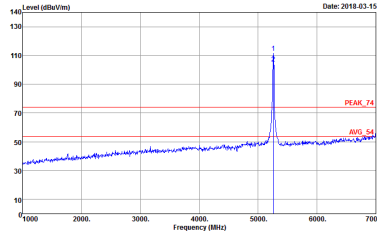
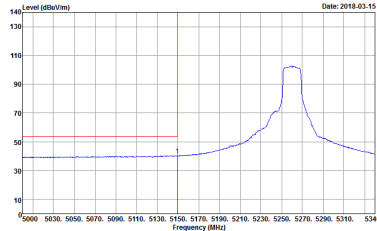
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : -5	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : -5



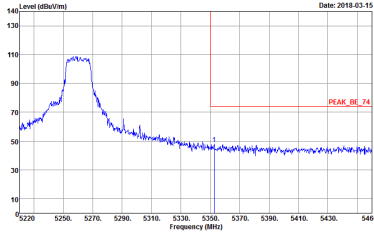
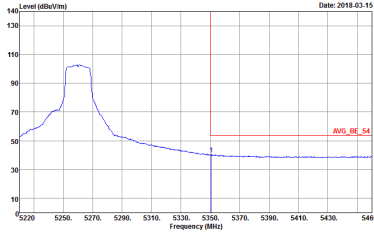
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2018.03.17 Frequency (MHz) Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : -6	Level (dBuV/m) Date: 2018.03.17 Frequency (MHz) Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : -6



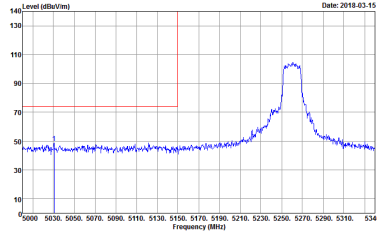
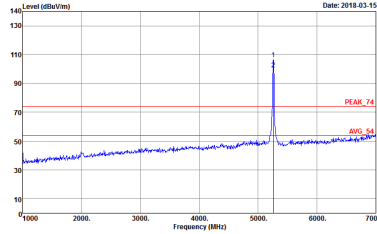
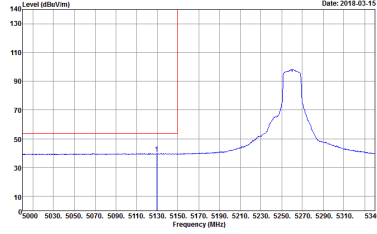
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 7D2711-02 Mode : Peak 10	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 7D2711-02 Mode : Peak 10
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : 7D2711-02 Mode : Avg. 10	Left blank

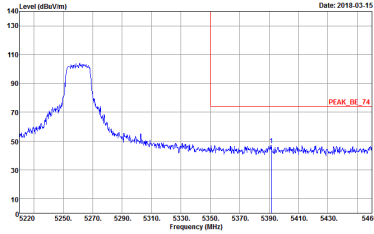
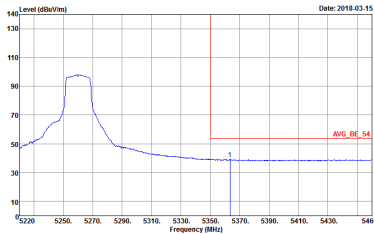


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 10	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 10	Left blank

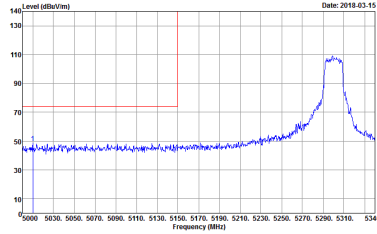
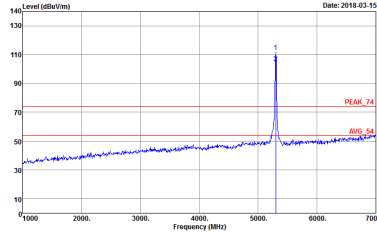
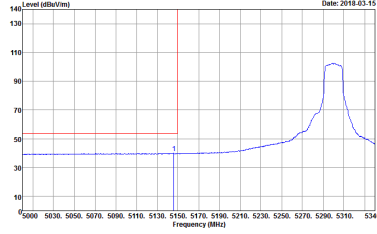


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 10	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 10
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 10	Left blank

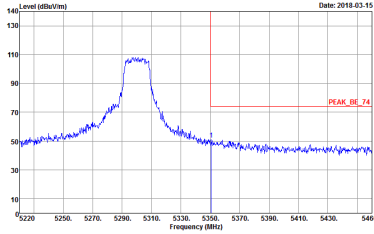
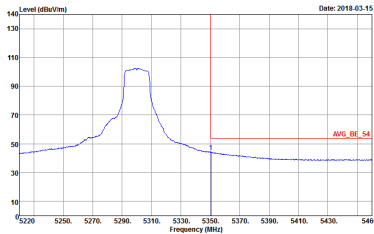


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 10	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 10	Left blank

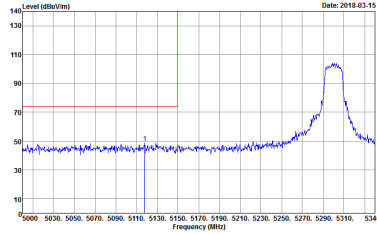
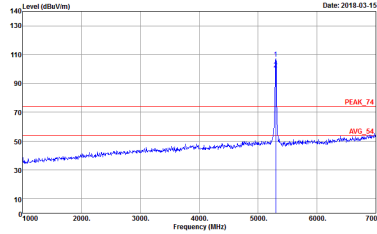
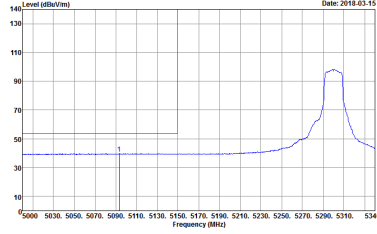


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 11
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 11	Left blank

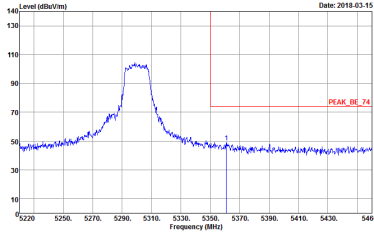
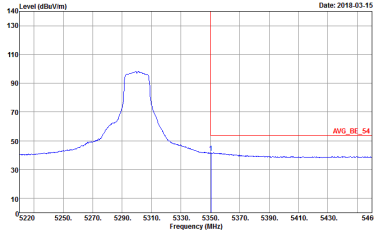


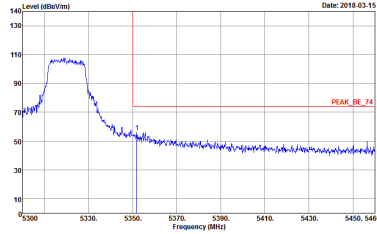
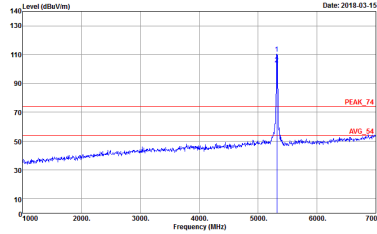
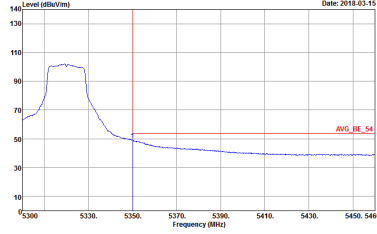
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 11	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 11	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	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 : 7DZ711-02 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 11
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 11	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	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 : 7DZ711-02 Mode : 11	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 11	Left blank

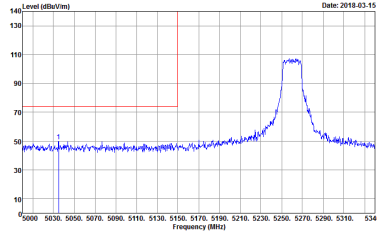
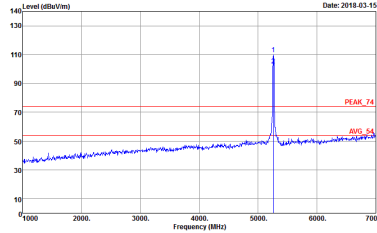
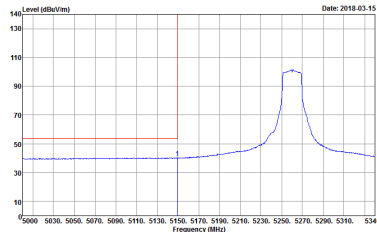
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 12	Left blank



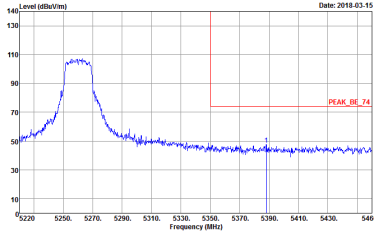
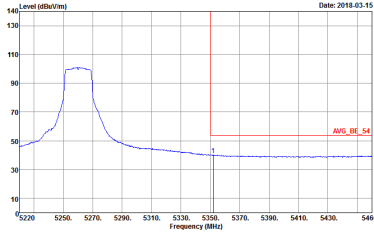
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 12	Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 12
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 12	Left blank



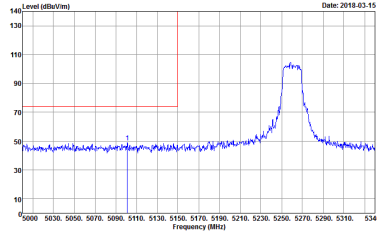
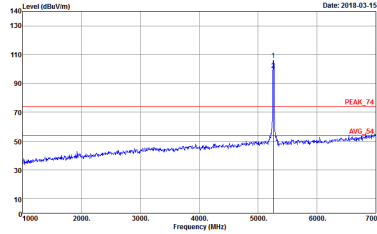
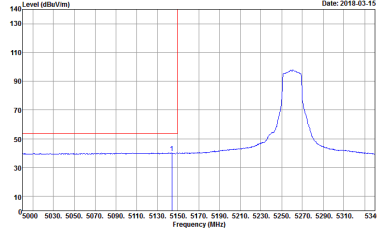
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 13	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 13
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 13	Left blank

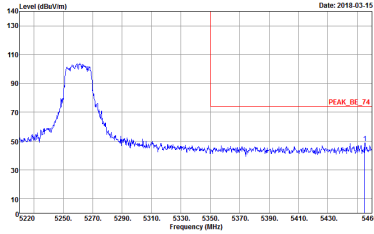
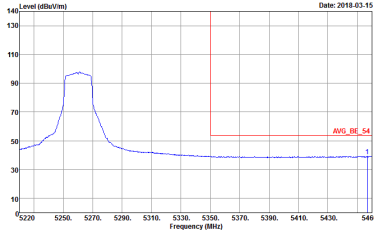


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 13	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 13	Left blank

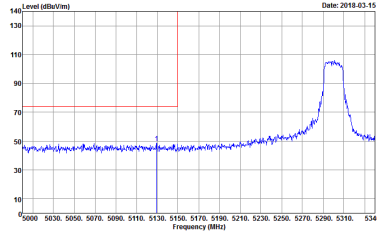
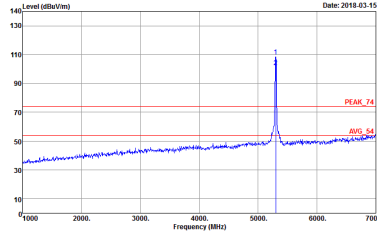
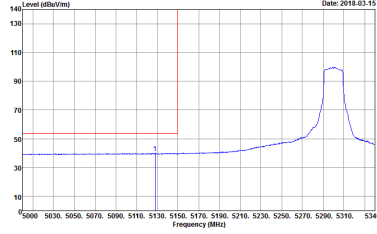


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 13	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 13
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 13	Left blank

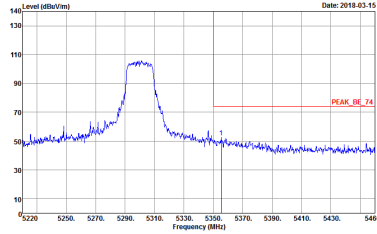
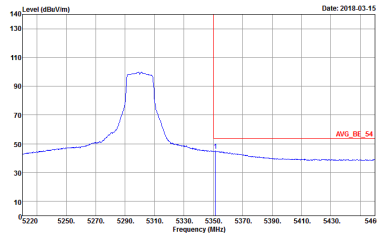


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 13	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 13	Left blank

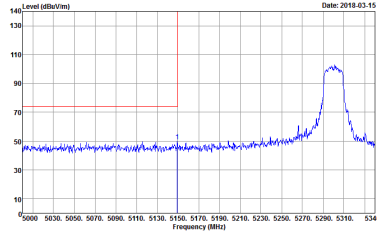
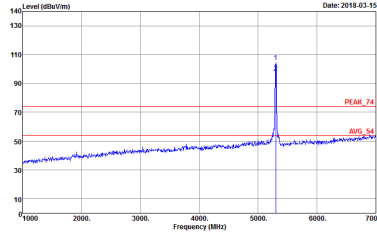
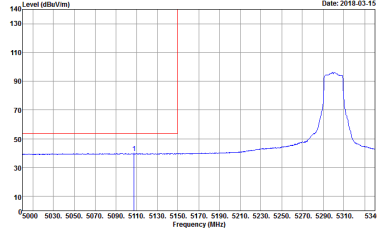


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14	Left blank

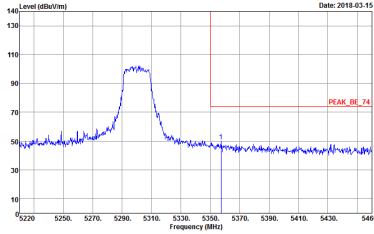
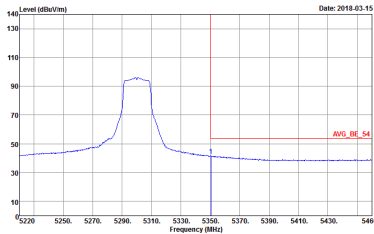


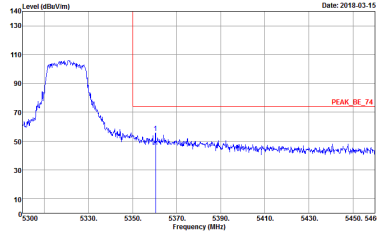
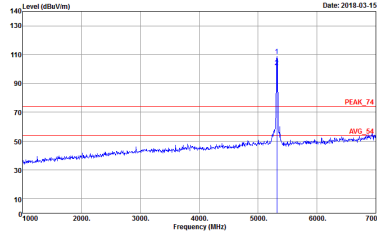
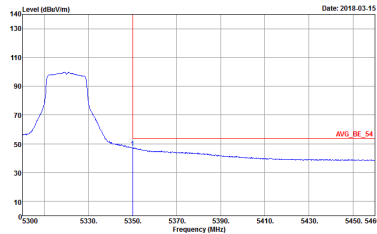
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 14	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 14	Left blank



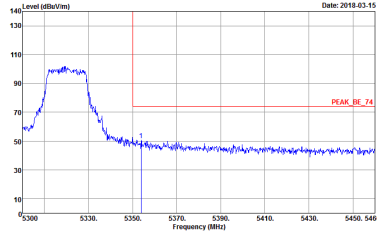
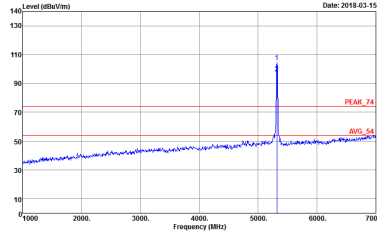
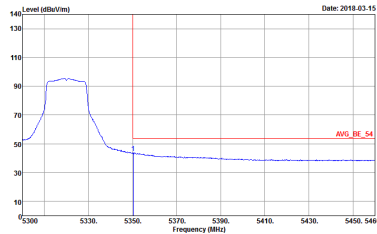
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 14	Left blank

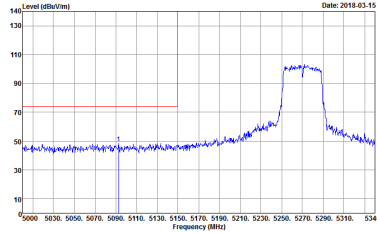
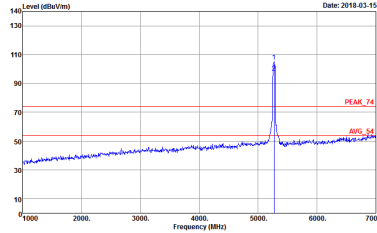
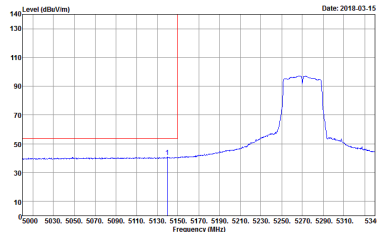
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 15
	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 15	Left blank



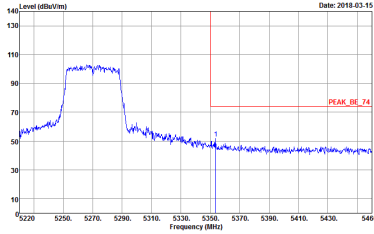
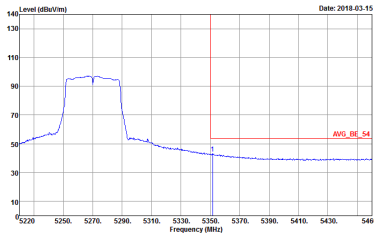
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 15
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 15	Left blank



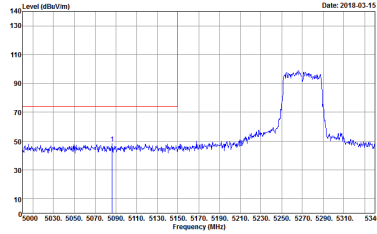
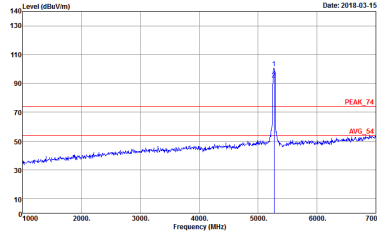
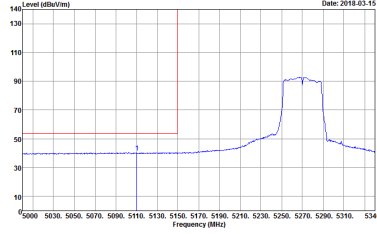
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 16	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 16
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 16	Left blank

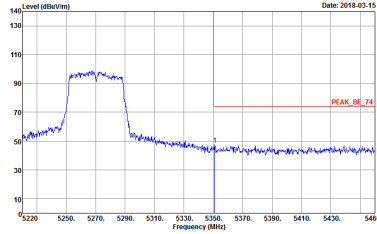
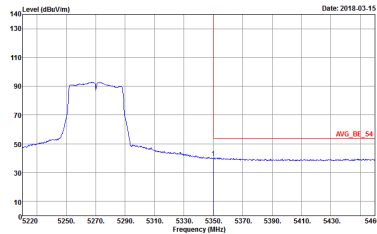


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 16	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 16	Left blank

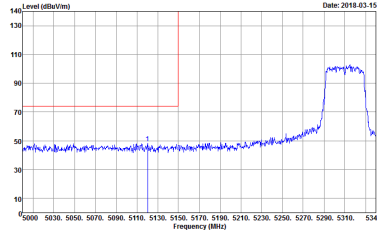
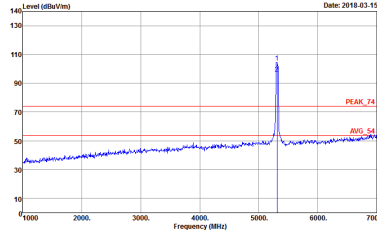
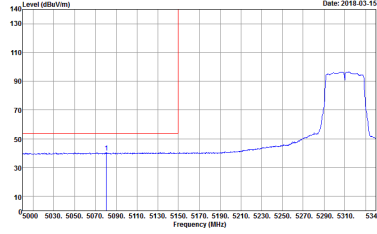


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 16	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 16
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 16	Left blank

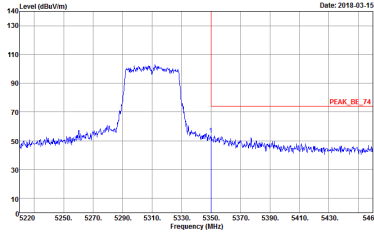
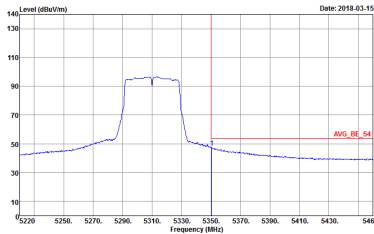


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 16	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 16	Left blank

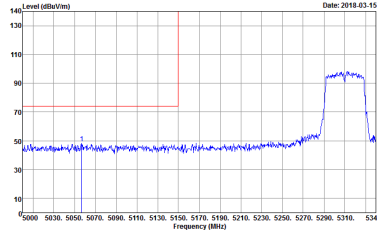
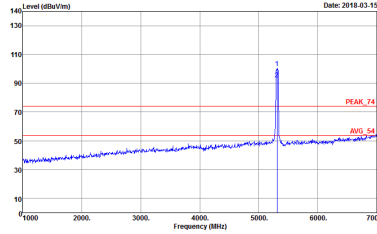
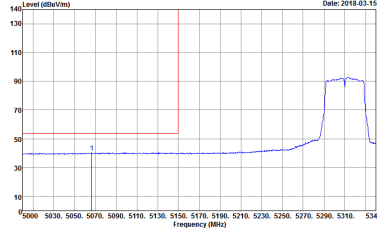


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 7D2711-02 Mode : Peak Date: 2018-03-15	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 7D2711-02 Mode : Peak Date: 2018-03-15
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : 7D2711-02 Mode : Avg. Date: 2018-03-15	Left blank

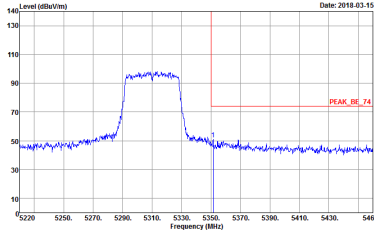
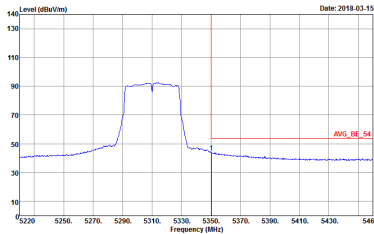


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 17	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 17	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 17	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 17
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 17	Left blank



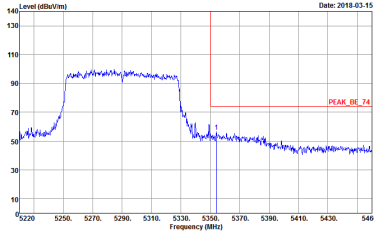
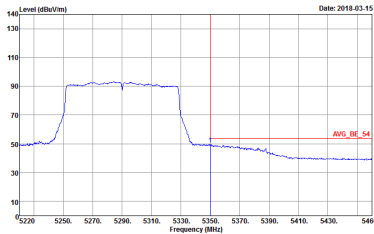
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 17	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 17	Left blank



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 18	Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 18
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 18	Left blank

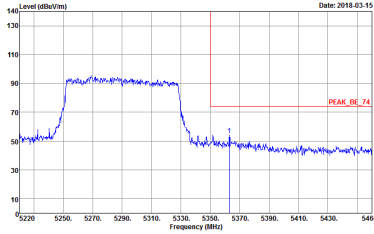
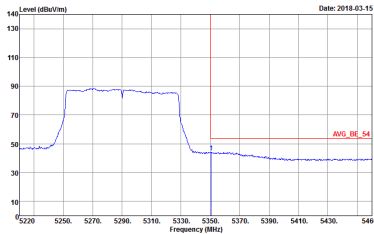


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 18	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 18	Left blank



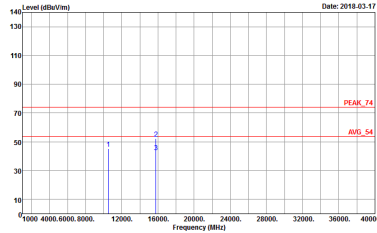
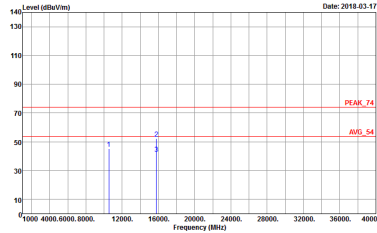
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 18	Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 18
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 18	Left blank



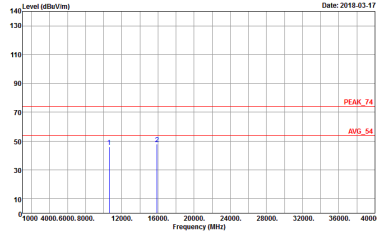
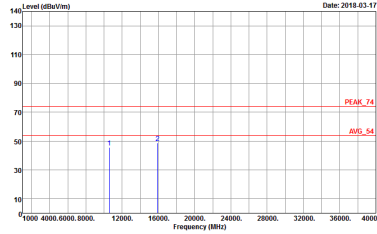
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 18	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 18	Left blank



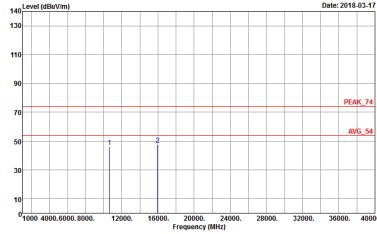
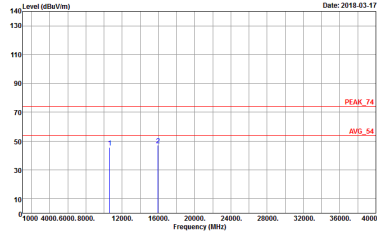
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 10	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 10



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 11	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 11



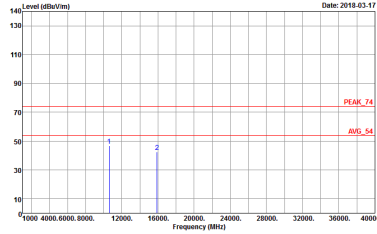
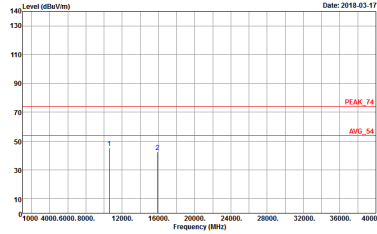
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 12	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 12



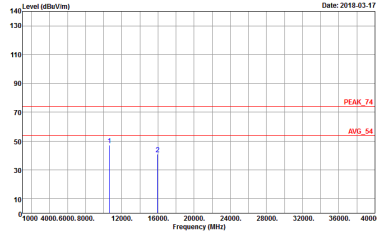
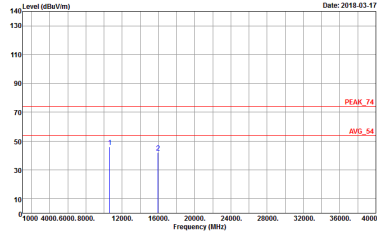
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2018-03-17 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 13	Level (dBuV/m) Date: 2018-03-17 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 13



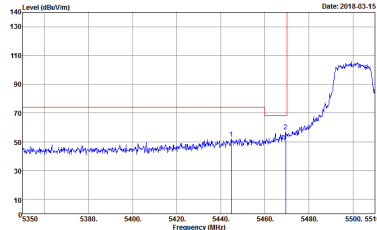
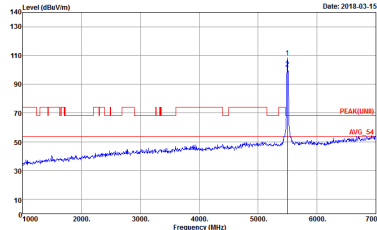
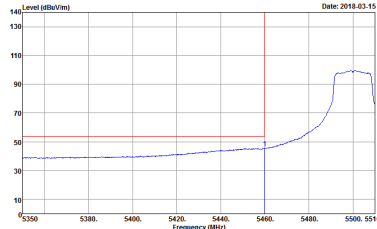
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 14	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 14



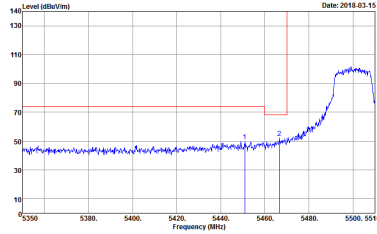
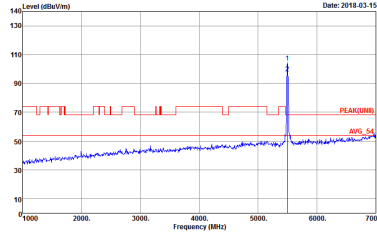
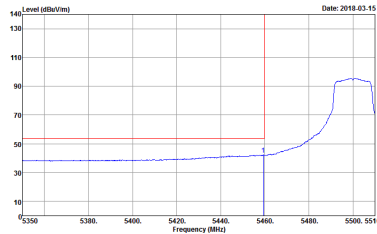
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : IS	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : IS



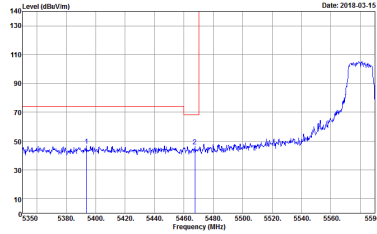
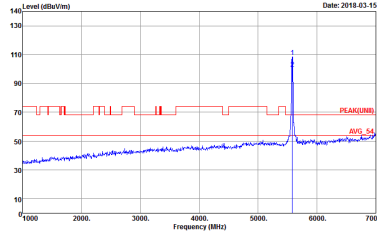
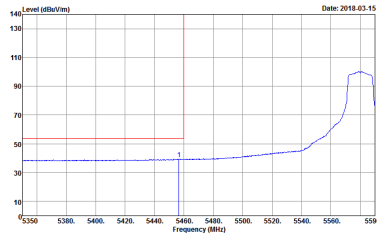
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 19	 Site : 03CH10-HY Condition : PEAK(UNIT)_3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 19
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 19	Left blank

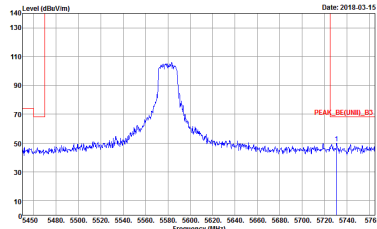


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 19	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 19
Avg.	 Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 19	Left blank

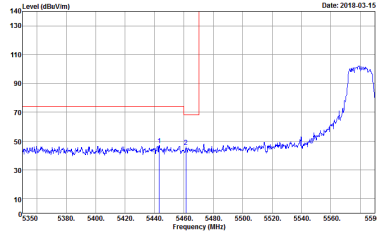
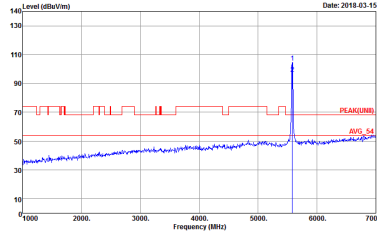
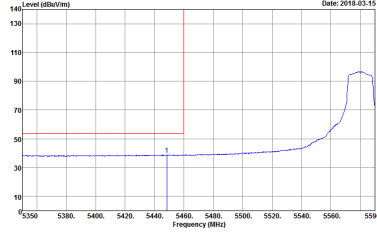


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 20	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 20
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 20	Left blank

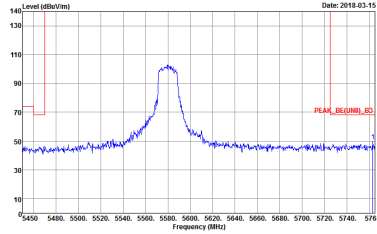


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 20	Left blank

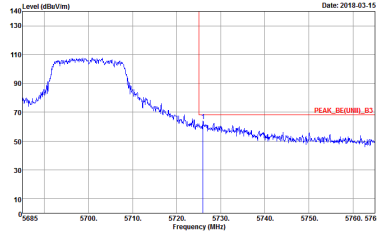
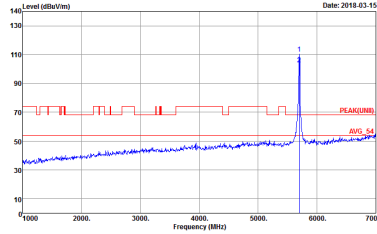


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 20	 Site : 03CH10-IHV Condition : PEAK(UNIT)_3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 20
Avg.	 Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 20	Left blank

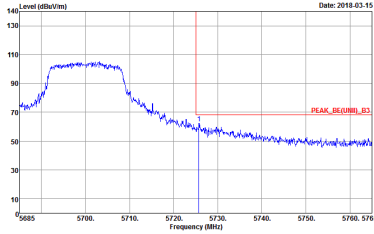
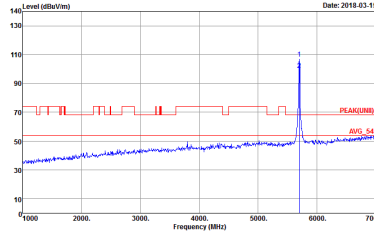


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 20 Date: 2018.03.15	Left blank

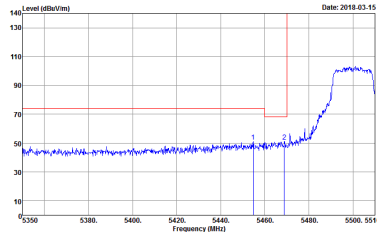
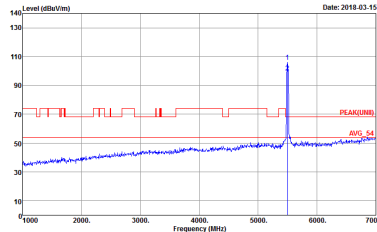
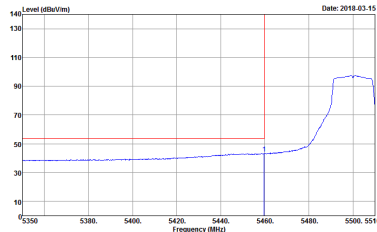


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : Z1 Power : 17	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : Z1 Power : 17



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : Z1 Power : 17	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : Z1 Power : 17

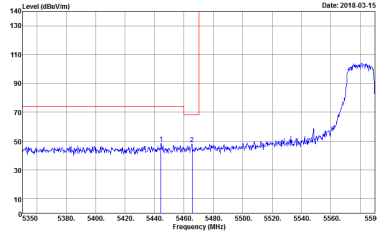
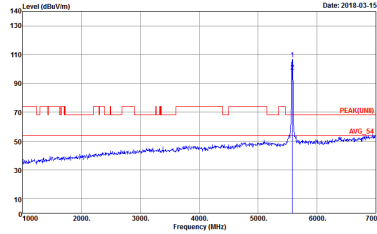
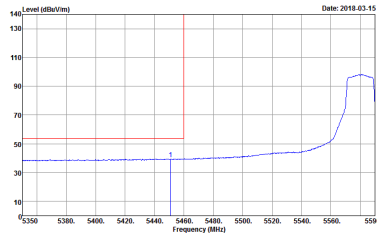
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : ZZ	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : ZZ
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : ZZ	Left blank

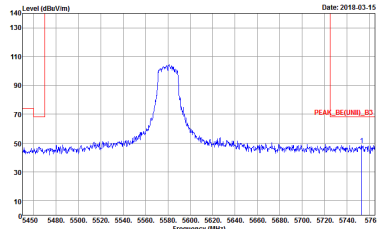


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 22	Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 22
Avg.	Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 22	Left blank

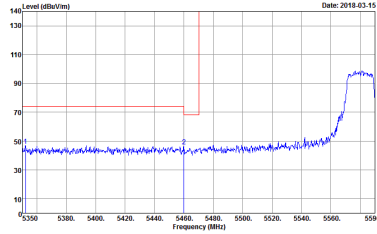
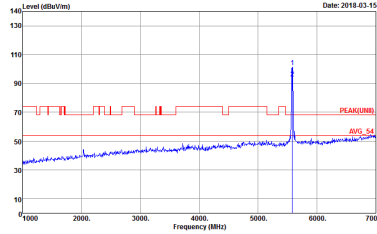
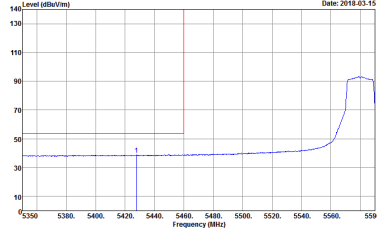


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 23	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 23
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 23	Left blank

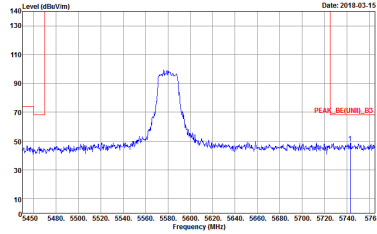


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 23	Left blank

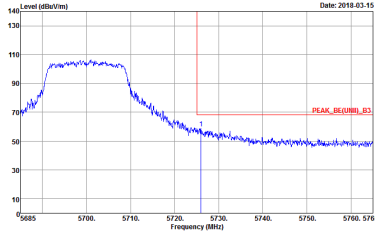
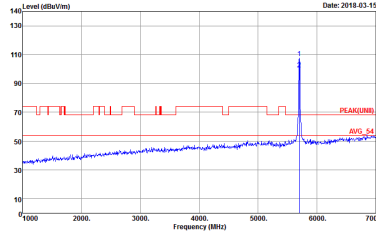


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 23	 Site : 03CH10-HY Condition : PEAK(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 23
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 23	Left blank

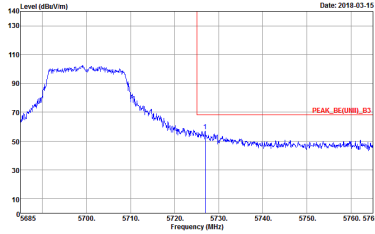
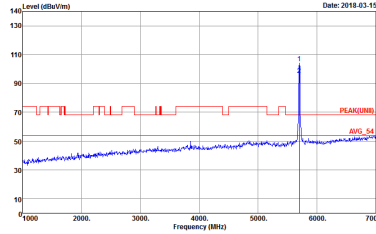


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL Detector : Peak Project : TD2711-02 Mode : 23	Left blank

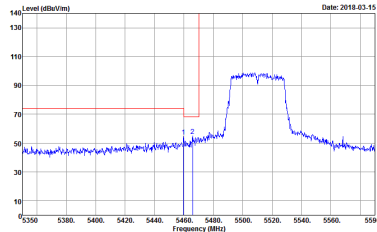
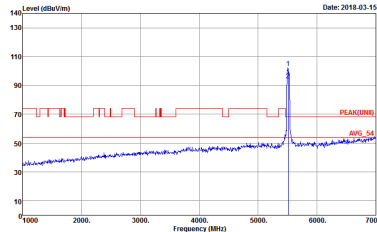
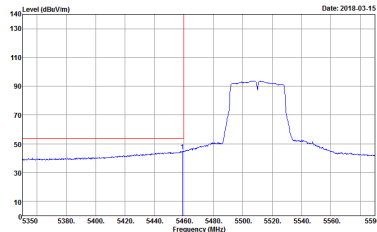


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 24	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 24

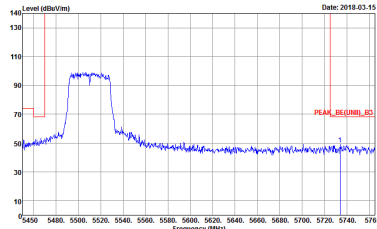


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 24	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 24

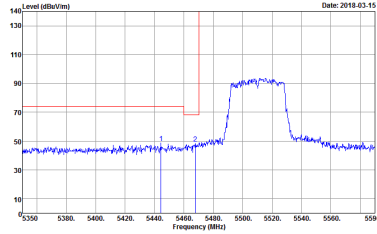
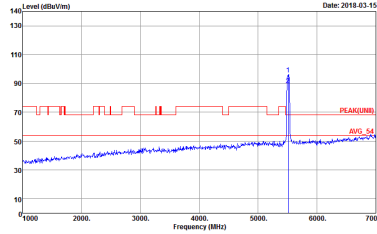
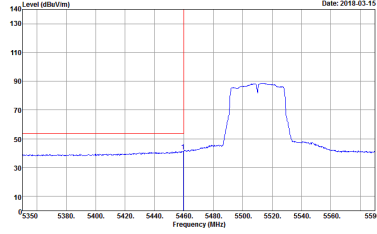
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 25 Date: 2018.03.15	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 25 Date: 2018.03.15
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 25 Date: 2018.03.15	Left blank

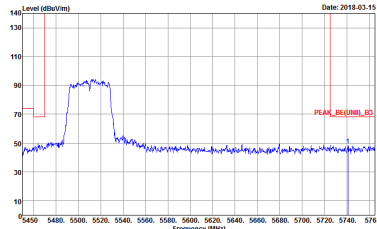


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 25	Left blank

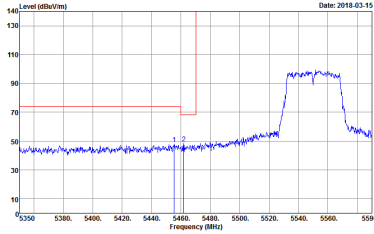
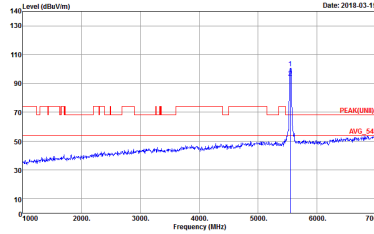
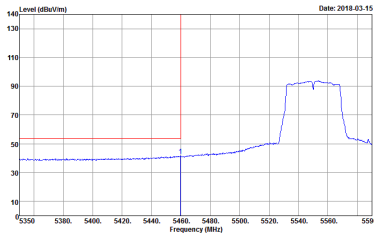


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 25	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 25
Avg.	 Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 25	Left blank

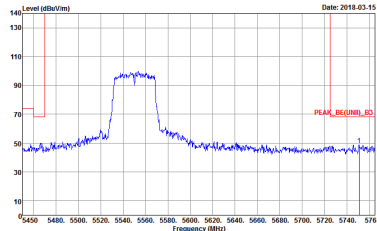


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 25	Left blank

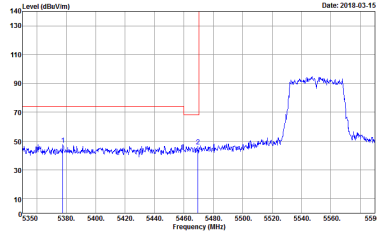
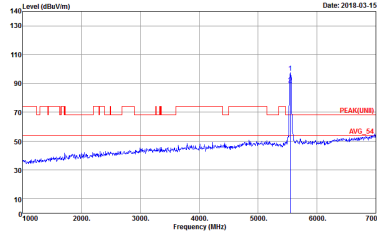
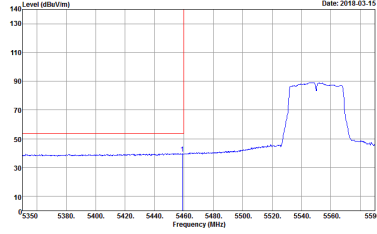


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 26	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 26
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 26	Left blank

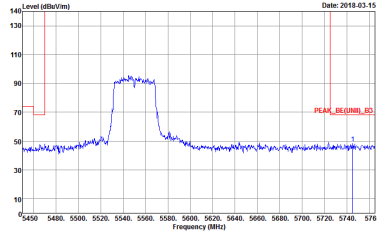


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 26	Left blank

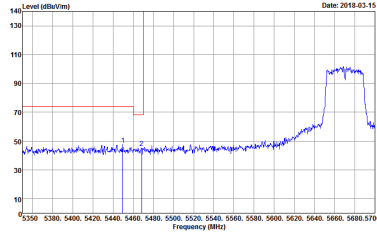
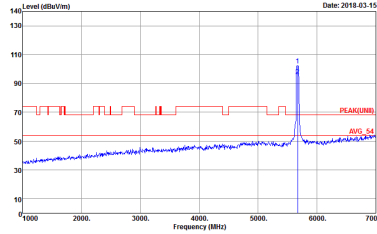
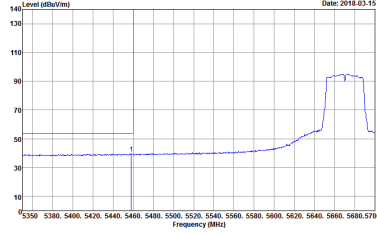


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 26	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 26
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7DZ711-02 Mode : 26	Left blank

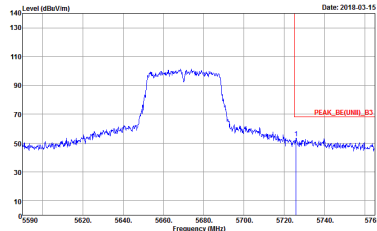


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 26	Left blank

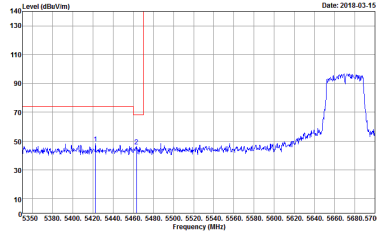
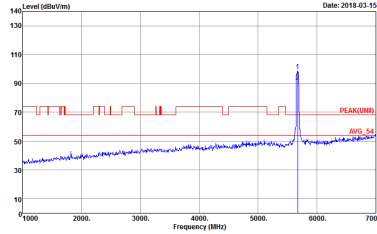
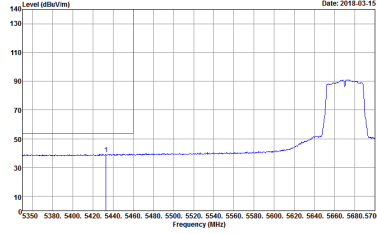


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 27	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 27
Avg.	 Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 27	Left blank

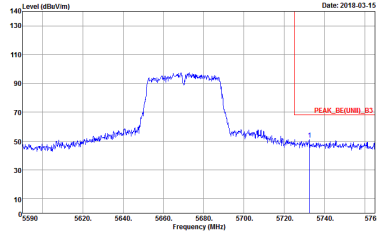


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : Z7	Left blank

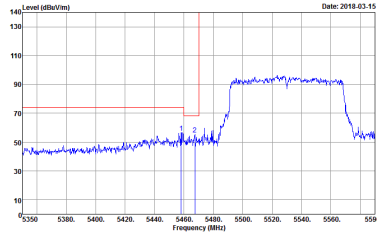
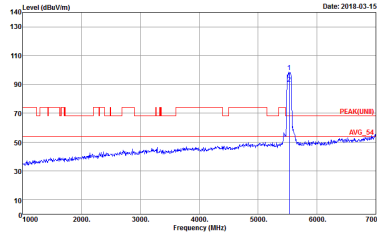
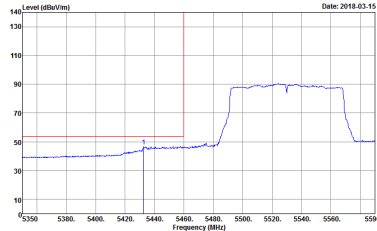


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 27	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 27
Avg.	 Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 27	Left blank

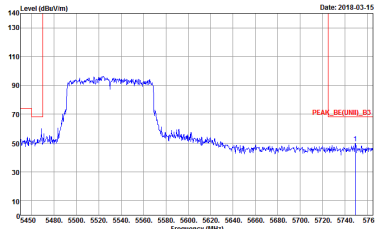


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : Z7	Left blank

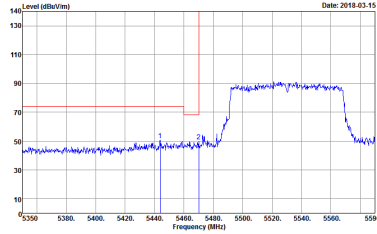
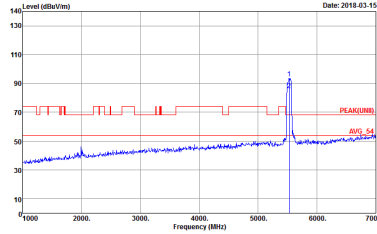
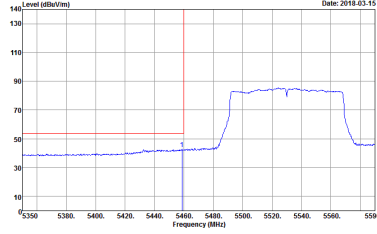
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	Left blank

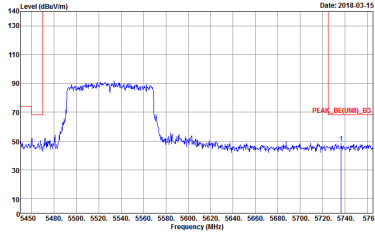


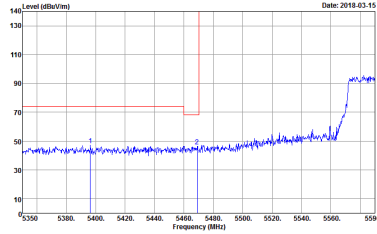
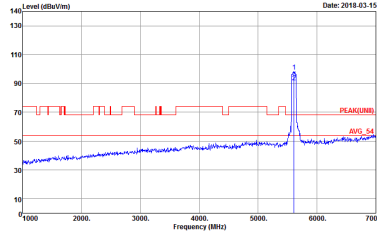
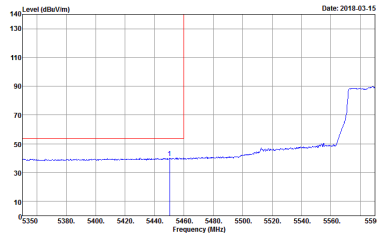
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000GHz VBW:3000.000GHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 28	Left blank



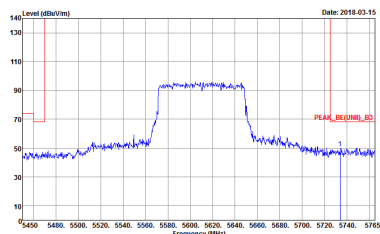
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	 Site : 03CH10-IHV Condition : PEAK(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28
Avg.	 Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	Left blank



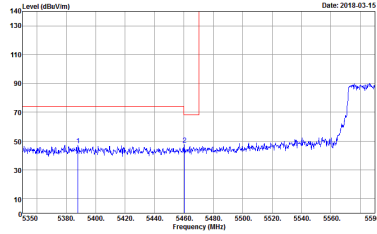
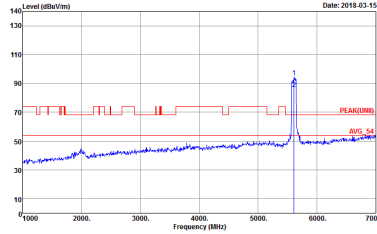
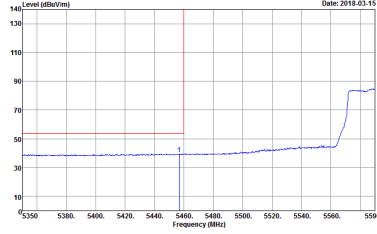
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL Detector : Peak Project : FR7D2711-02 Mode : 28	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28
Avg.	 Site : 03CH10-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	Left blank

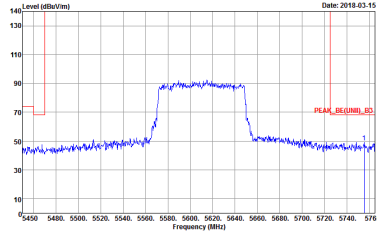


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : TD2711-02 Mode : 28	Left blank

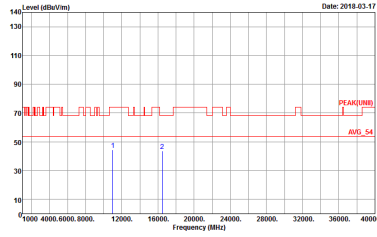
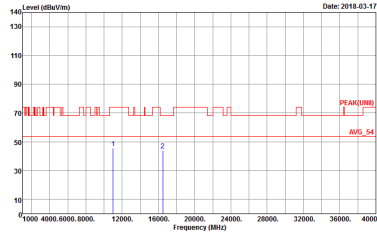


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-IHV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	 Site : 03CH10-IHV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28
Avg.	 Site : 03CH10-IHV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 28	Left blank

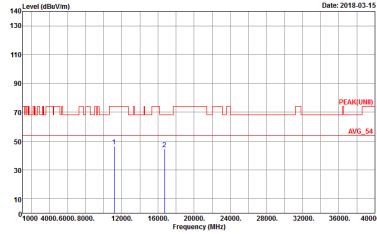
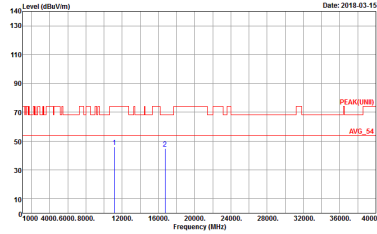


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH10-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL Detector : Peak Project : TD2711-02 Mode : 28	Left blank

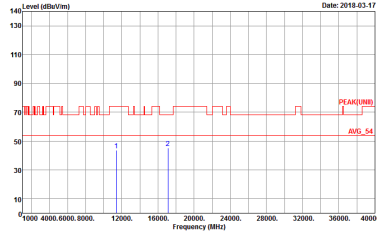
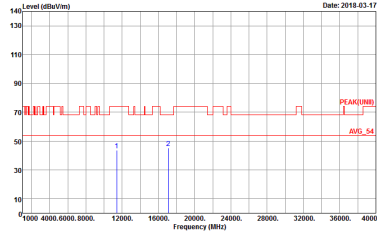
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH100-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 19	 Site : 03CH100-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 19

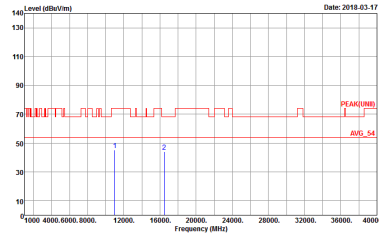
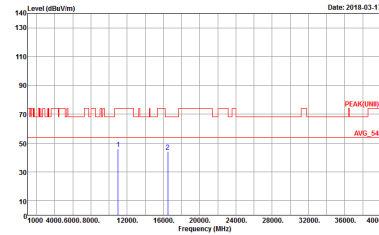


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-IHV Condition : PEAK(UNB) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 20	 Site : 03CH10-IHV Condition : PEAK(UNB) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 20

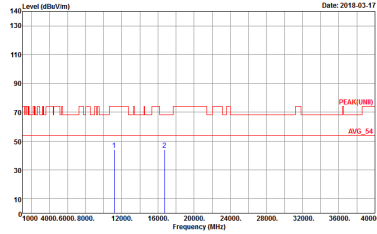
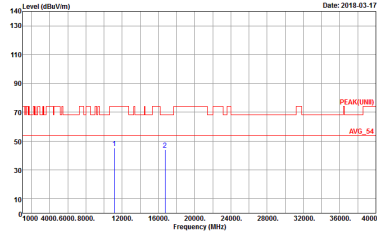


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-I-VY Condition : PEAK(UNB) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 21	 Site : 03CH10-I-VY Condition : PEAK(UNB) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 21

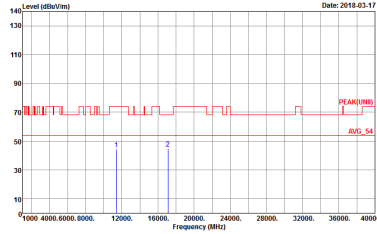
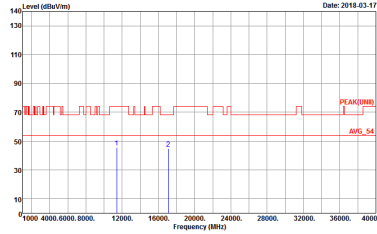
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 22	 Site : 03CH10-HY Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 22



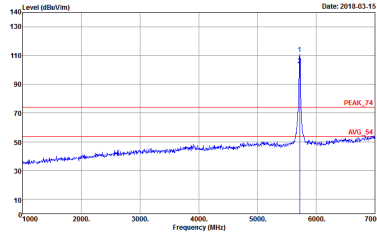
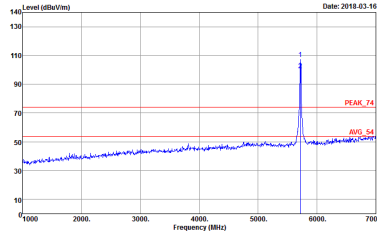
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-IHV Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 23	 Site : 03CH10-IHV Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 23



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-IHV Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 24	 Site : 03CH10-IHV Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 24

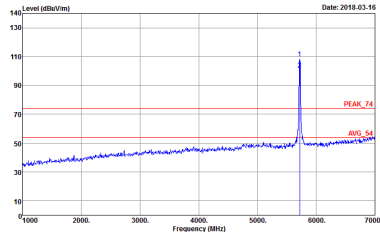
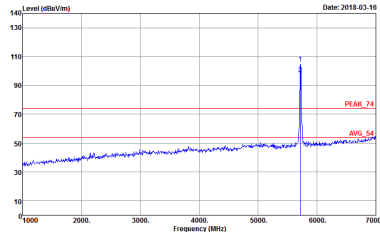


Band 3 - Straddle Channel
WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 31	 Site : 03CH10-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 31

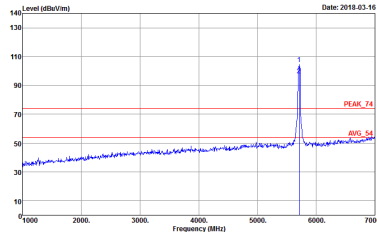
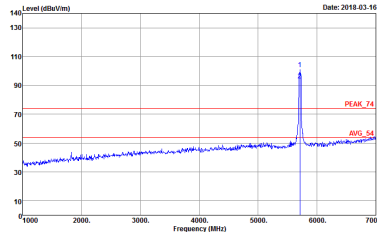


Band 3 – Straddle Channel
WIFI 802.11n HT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 32	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 32

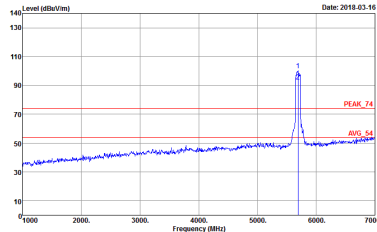
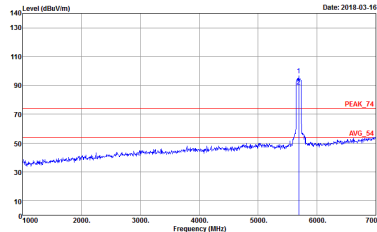


Band 3 – Straddle Channel
WIFI 802.11n HT40 (Fundamental @ 3m)

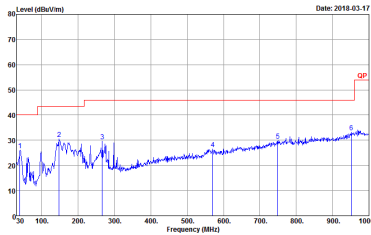
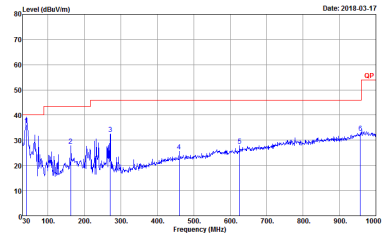
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:10000000Hz VBW:30000000Hz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 33	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : RBW:10000000Hz VBW:30000000Hz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 33



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

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 34	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7D2711-02 Mode : 34

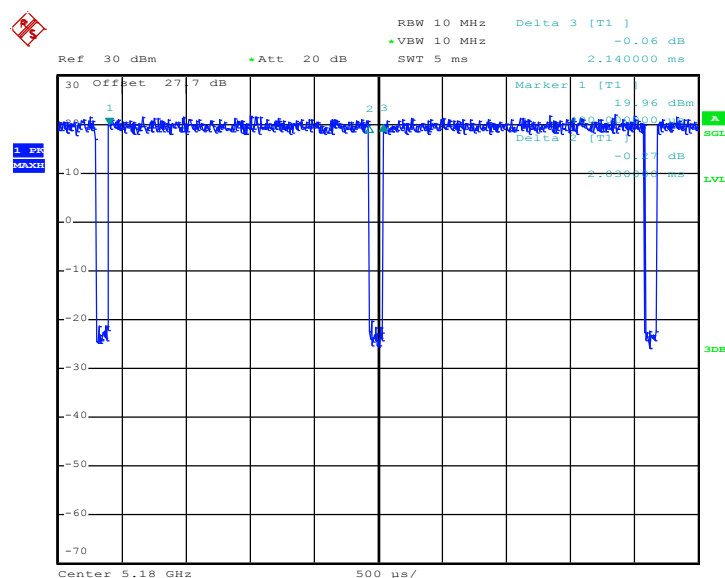
Emission below 1GHz
5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH10-HY Condition : QP 3m BT-LOG 6111D-LF HORIZONTAL Detector : Peak Project : 7D2711-02 Mode : 30	 Site : 03CH10-HY Condition : QP 3m BT-LOG 6111D-LF VERTICAL Detector : Peak Project : 7D2711-02 Mode : 30

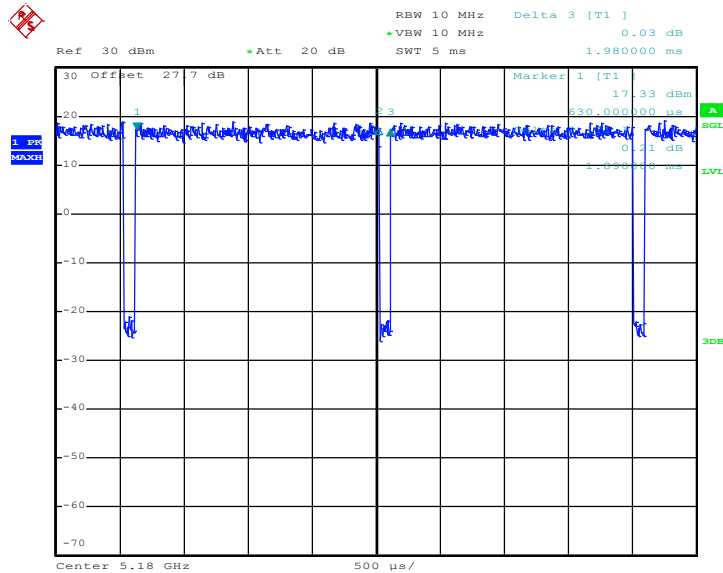
Appendix E. Duty Cycle Plots

Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor (dB)
802.11a	94.86	2030.00	0.49	1kHz	0.23
5GHz 802.11n HT20	95.45	1890.00	0.53	1kHz	0.20
5GHz 802.11n HT40	90.64	930.00	1.08	3kHz	0.43
5GHz 802.11ac VHT20	95.02	1910.00	0.52	1kHz	0.22
5GHz 802.11ac VHT40	91.72	930.00	1.08	3kHz	0.38
5GHz 802.11ac VHT80	91.03	852.00	1.17	3kHz	0.41

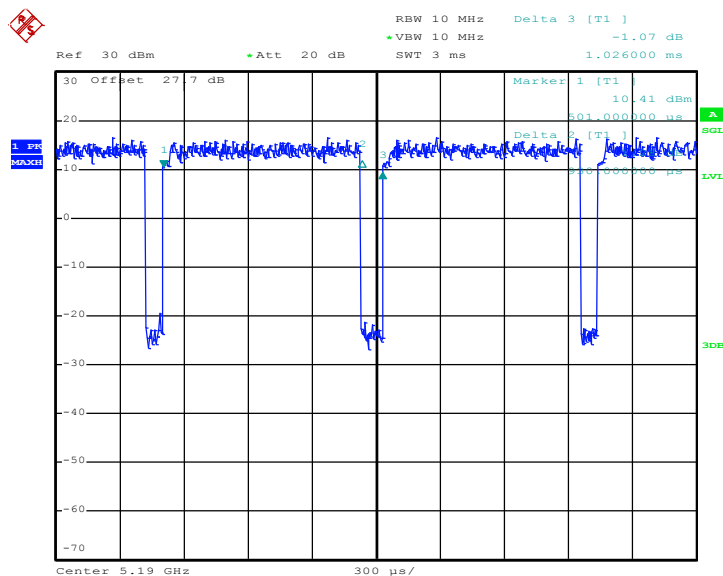
802.11a



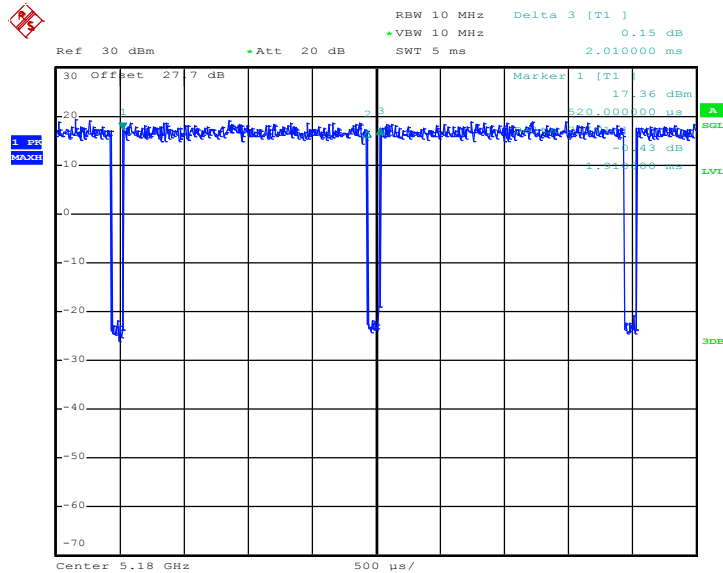
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802.11n HT20


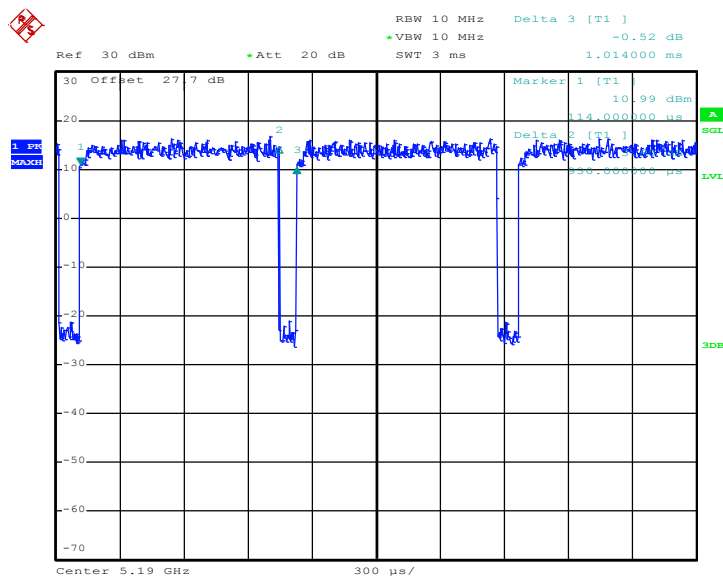
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802.11n HT40


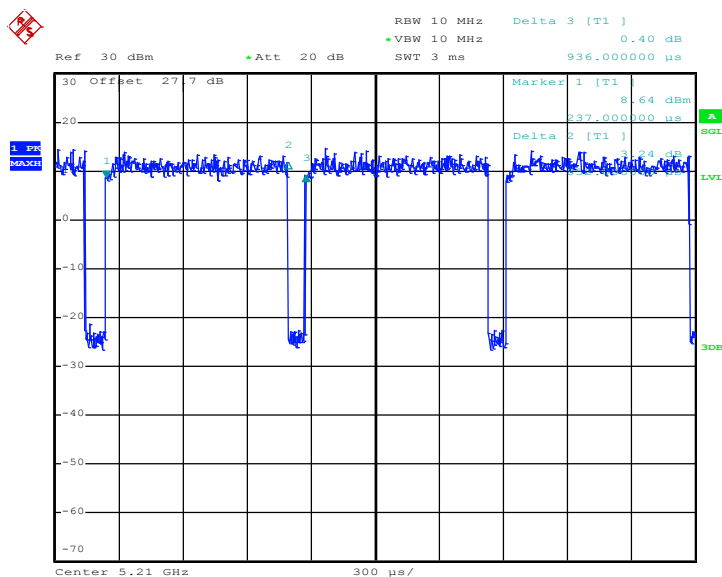
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802.11ac VHT20


Date: 7.MAR.2018 15:08:34

802.11ac VHT40


Date: 7.MAR.2018 15:09:40



Date: 7.MAR.2018 15:11:03