FCC RF Test Report

APPLICANT	:	ASUSTeK COMPUTER INC.
EQUIPMENT	:	ASUS Phone (Mobile Phone)
BRAND NAME	:	ASUS
MODEL NAME	:	ASUS_X00QDA ASUS_X00QSA
FCC ID	:	MSQX00QSA
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Nov. 15, 2017 and testing was completed on Feb. 23, 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

Testing Laboratory 1190

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR7N1502E	Rev. 01	Initial issue of report	Mar. 16, 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 2.19 dB at 5725.080 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 17.71 dB at 0.154 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

ASUSTeK COMPUTER INC.
4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan

1.2 Manufacturer

ASUSTeK COMPUTER INC.
4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan

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/Galileo/BDS: PIFA Antenna NFC: PIFA Antenna FM: using earphone as antenna

<Sample Information>

Sample	Sample 1	Sample 2	Sample 3
CPU	636/3CA		
Merry /	4G/64G	4G/64G	6G/64G
Supplier	Samsung	Samsung	Samsung
Front CAM 8M	AZUREWAVE	Chicony	Chicony
Rear CAM 8M+12M	LITEON	Primax	Primax
Battery	COSLIGHT	COSLIGHT	COSLIGHT

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 1st 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.**
	03CH12-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)
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	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : LTE Band 40 Idle + Bluetooth Link + WLAN (5GHz) Link + MPEG4 + SD (play MP3) + Earphone 2 + USB Cable 1 (Charging from Adaptor 1) + SIM 1 for Sample 1
Remark: For Radiated Test Cases, The tests were performance with adapter 1, earphone 1, USB cable 1, and sample 1	

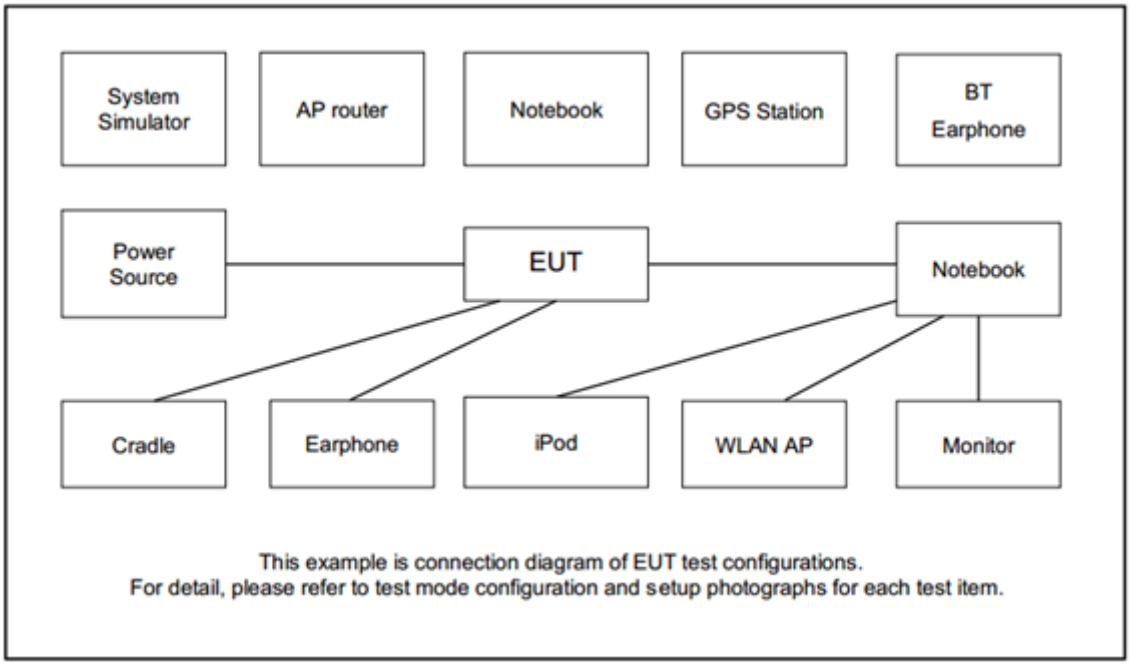
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	-

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		-	-	-

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

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 E3340	FCC DoC/ Contains FCC ID: PD97260NGU	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.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

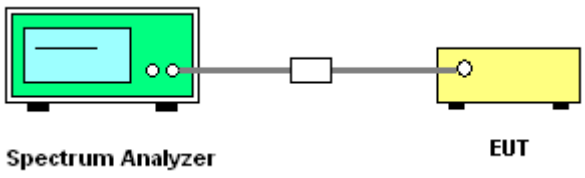
3.1.2 Measuring Instruments

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) ≥ 3 * RBW.
8. Measure and record the results in the test report.

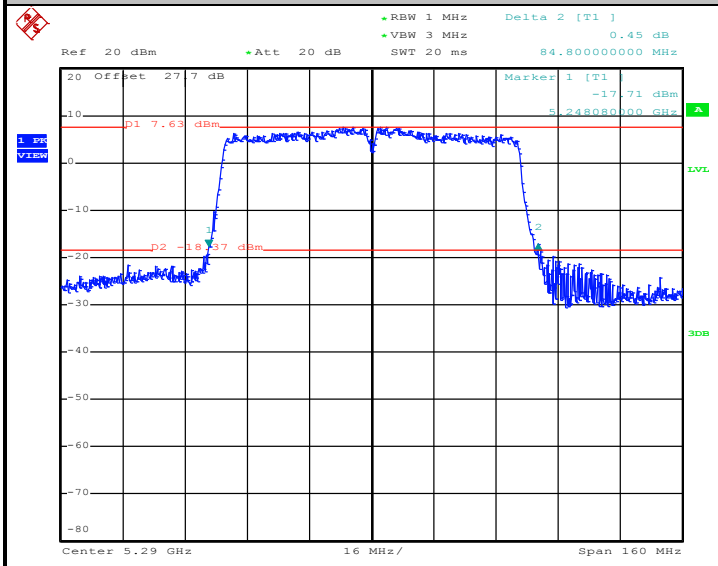
3.1.4 Test Setup



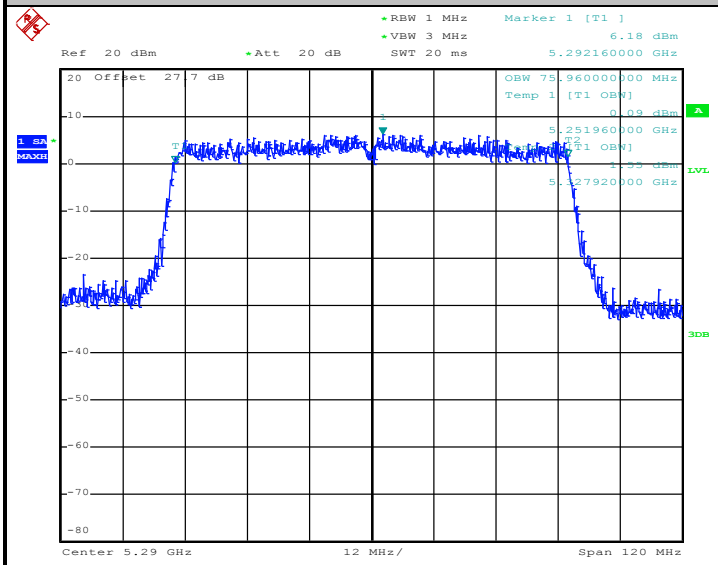
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For 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

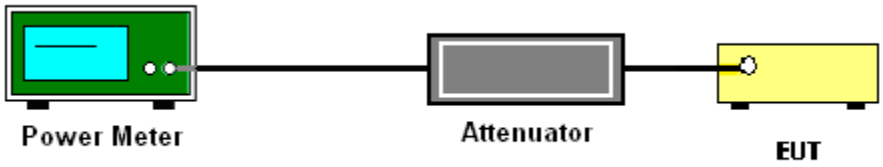
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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 ≥ 3 MHz.
- Number of points in sweep ≥ 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.

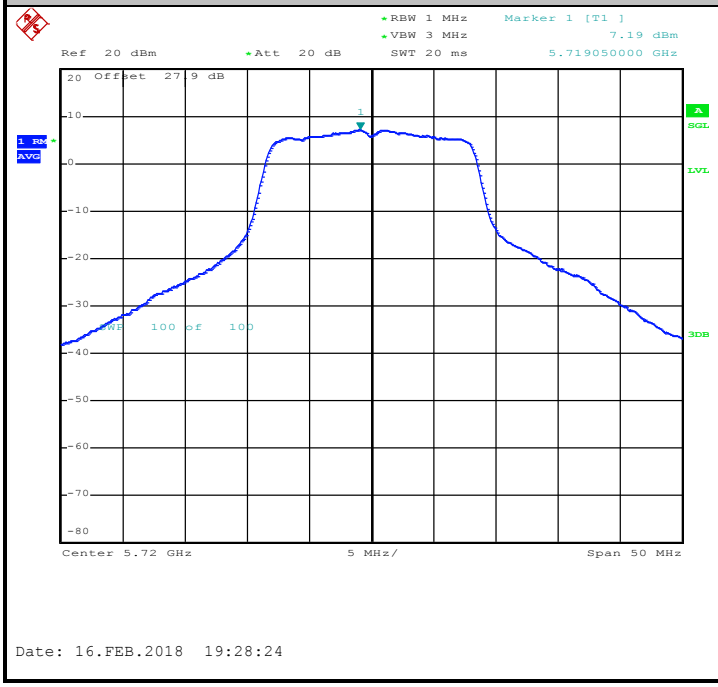
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

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

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

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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
-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 ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

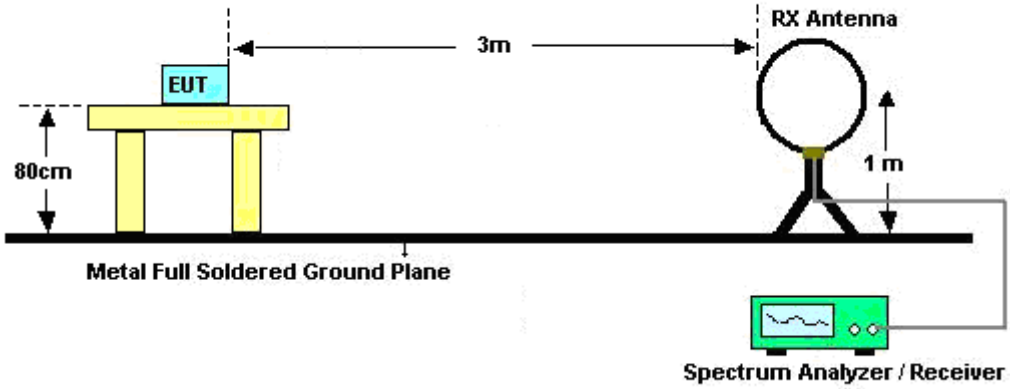
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

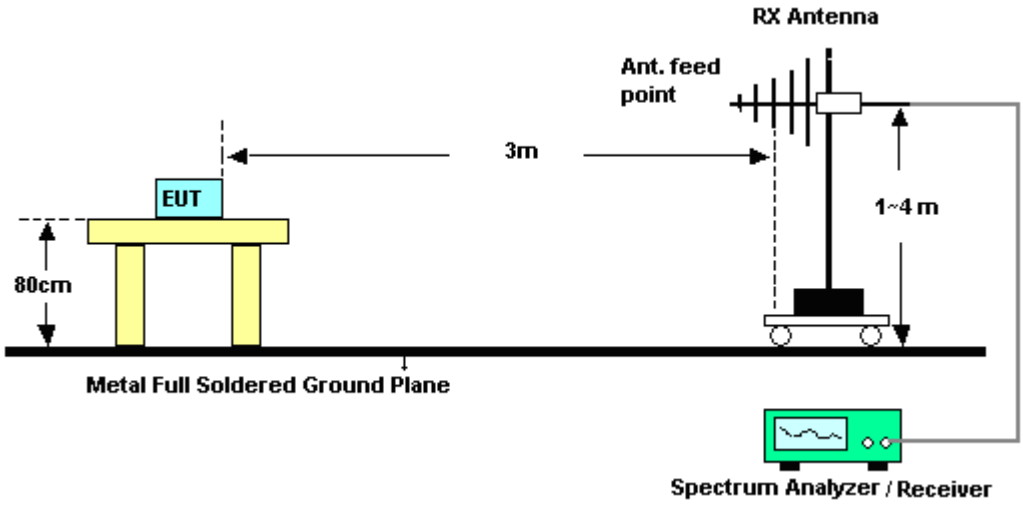
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

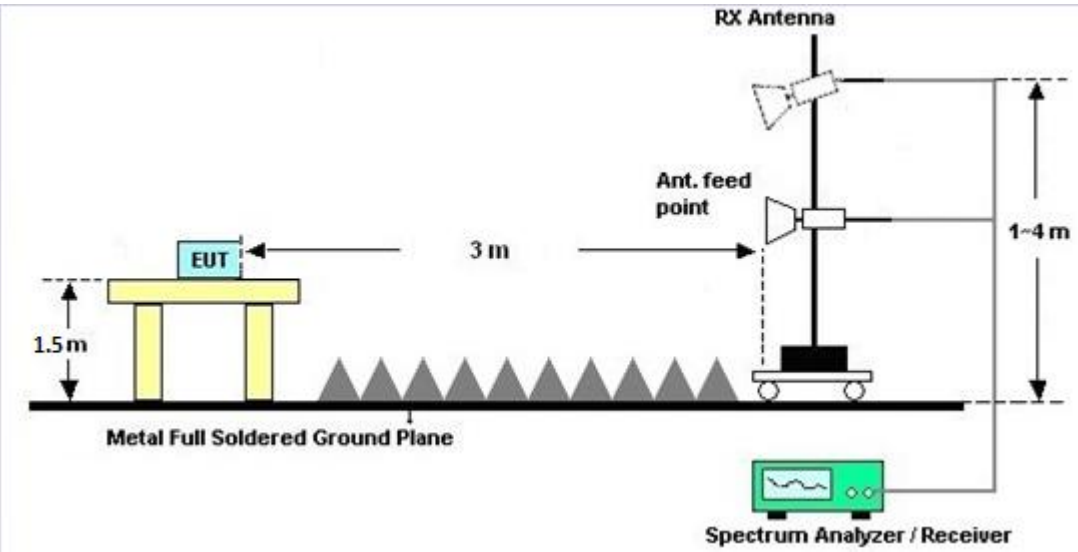
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and 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.

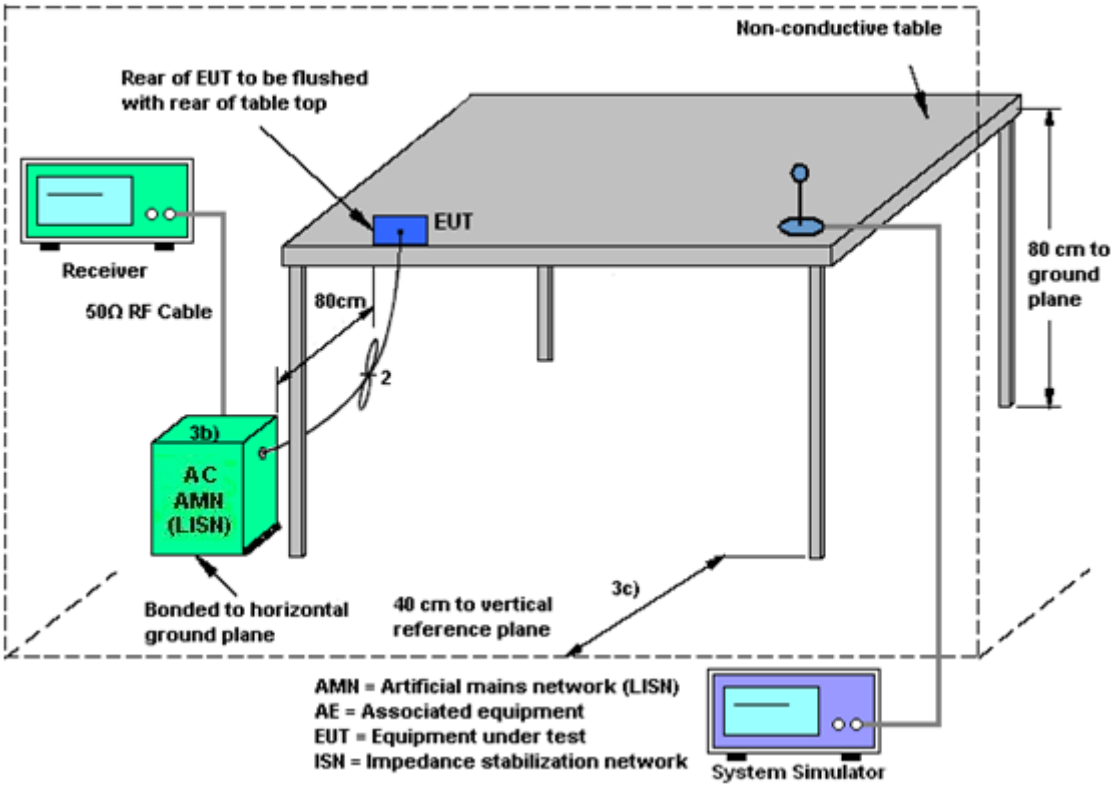
3.5.2 Measuring Instruments

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	1240001	N/A	Sep. 07, 2017	Jan, 30. 2018~ Feb. 18, 2018	Sep. 06, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207349	300MHz~40GHz	Sep. 07, 2017	Jan, 30. 2018~ Feb. 18, 2018	Sep. 06, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Jun. 20, 2017	Jan, 30. 2018~ Feb. 18, 2018	Jun. 19, 2018	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 23, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Feb. 23, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Feb. 23, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V8.4	N/A	N/A	N/A	Feb. 23, 2018	N/A	Conduction (CO05-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Jul. 17, 2018	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D&N-6-06	35414&AT-N 0602	30MHz~1GHz	Oct. 14, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Oct. 13, 2018	Radiation (03CH12-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 23, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Nov. 22, 2019	Radiation (03CH12-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 25, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Dec. 24, 2018	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Oct. 20, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Oct. 19, 2018	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 23, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Mar. 22, 2018	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY53270148	1GHz~26.5GHz	Jan. 15, 2018	Feb. 01, 2018 ~ Feb. 05, 2018	Jan. 14, 2019	Radiation (03CH12-HY)
Preamplifier	MITEQ	AMF-7D-00101800	2025787	1GHZ~18GHZ	Feb. 13, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Feb. 12, 2018	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Feb. 01, 2018 ~ Feb. 05, 2018	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Feb. 01, 2018 ~ Feb. 05, 2018	N/A	Radiation (03CH12-HY)
Attenuator	Fairview Microwave	SA18S5W-10	n/a	10db	Mar. 24, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Mar. 23, 2018	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 27, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Apr. 26, 2018	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY553705 26	10Hz~44GHz	Mar. 15, 2017	Feb. 01, 2018 ~ Feb. 05, 2018	Mar. 14, 2018	Radiation (03CH12-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.7**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kai Liao	Temperature:	21~25	°C
Test Date:	2018/01/30 ~ 2018/02/18	Relative Humidity:	51~54	%

Report Number : FR7N1502E

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	23.60	-	22.43		
11a	6Mbps	1	44	5220	17.50	23.40	-	22.43		
11a	6Mbps	1	48	5240	17.45	23.60	-	22.42		
HT20	MCS0	1	36	5180	18.60	25.25	-	22.70		
HT20	MCS0	1	44	5220	18.55	25.20	-	22.68		
HT20	MCS0	1	48	5240	18.65	24.80	-	22.71		
HT40	MCS0	1	38	5190	36.70	41.94	-	23.01		
HT40	MCS0	1	46	5230	36.50	41.94	-	23.01		
VHT80	MCS0	1	42	5210	75.84	84.48	-	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	0.24	14.98	24.00	-3.30		Pass
11a	6Mbps	1	44	5220	0.24	16.68	24.00	-3.30		Pass
11a	6Mbps	1	48	5240	0.24	16.05	24.00	-3.30		Pass
HT20	MCS0	1	36	5180	0.26	15.47	24.00	-3.30		Pass
HT20	MCS0	1	44	5220	0.26	16.72	24.00	-3.30		Pass
HT20	MCS0	1	48	5240	0.26	16.40	24.00	-3.30		Pass
HT40	MCS0	1	38	5190	0.43	17.27	24.00	-3.30		Pass
HT40	MCS0	1	46	5230	0.43	17.88	24.00	-3.30		Pass
VHT20	MCS0	1	36	5180	0.26	15.06	24.00	-3.30		Pass
VHT20	MCS0	1	44	5220	0.26	16.71	24.00	-3.30		Pass
VHT20	MCS0	1	48	5240	0.26	16.05	24.00	-3.30		Pass
VHT40	MCS0	1	38	5190	0.48	16.91	24.00	-3.30		Pass
VHT40	MCS0	1	46	5230	0.48	16.61	24.00	-3.30		Pass
VHT80	MCS0	1	42	5210	0.50	15.43	24.00	-3.30		Pass

Report Number : FR7N1502E

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.24	4.37	11.00	-3.30		Pass
11a	6Mbps	1	44	5220	0.24	5.76	11.00	-3.30		Pass
11a	6Mbps	1	48	5240	0.24	5.08	11.00	-3.30		Pass
HT20	MCS0	1	36	5180	0.26	3.30	11.00	-3.30		Pass
HT20	MCS0	1	44	5220	0.26	4.59	11.00	-3.30		Pass
HT20	MCS0	1	48	5240	0.26	4.39	11.00	-3.30		Pass
HT40	MCS0	1	38	5190	0.43	1.84	11.00	-3.30		Pass
HT40	MCS0	1	46	5230	0.43	2.63	11.00	-3.30		Pass
VHT80	MCS0	1	42	5210	0.50	-2.60	11.00	-3.30		Pass

Report Number : FR7N1502E

TEST RESULTS DATA
26dB and 99% OBW

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6M bps	1	52	5260	17.30	23.70	23.38	29.38	23.98	
11a	6M bps	1	60	5300	17.50	23.70	23.43	29.43	23.98	
11a	6M bps	1	64	5320	17.50	23.60	23.43	29.43	23.98	
HT20	MCS 0	1	52	5260	18.60	26.00	23.70	29.70	23.98	
HT20	MCS 0	1	60	5300	18.70	25.35	23.72	29.72	23.98	
HT20	MCS 0	1	64	5320	18.70	24.95	23.72	29.72	23.98	
HT40	MCS 0	1	54	5270	36.50	41.94	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.70	41.94	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	NTX	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	0.24	16.07	23.98	-0.70	26.99	Pass
11a	6M bps	1	60	5300	0.24	15.51	23.98	-0.70	26.99	Pass
11a	6M bps	1	64	5320	0.24	15.57	23.98	-0.70	26.99	Pass
HT20	MCS 0	1	52	5260	0.26	16.08	23.98	-0.70	26.99	Pass
HT20	MCS 0	1	60	5300	0.26	15.40	23.98	-0.70	26.99	Pass
HT20	MCS 0	1	64	5320	0.26	15.92	23.98	-0.70	26.99	Pass
HT40	MCS 0	1	54	5270	0.43	17.77	23.98	-0.70	26.99	Pass
HT40	MCS 0	1	62	5310	0.43	17.70	23.98	-0.70	26.99	Pass
VHT20	MCS 0	1	52	5260	0.26	16.06	23.98	-0.70	26.99	Pass
VHT20	MCS 0	1	60	5300	0.26	15.39	23.98	-0.70	26.99	Pass
VHT20	MCS 0	1	64	5320	0.26	15.91	23.98	-0.70	26.99	Pass
VHT40	MCS 0	1	54	5270	0.48	16.74	23.98	-0.70	26.99	Pass
VHT40	MCS 0	1	62	5310	0.48	16.66	23.98	-0.70	26.99	Pass
VHT80	MCS 0	1	58	5290	0.50	16.21	23.98	-0.70	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.24	5.04	11.00	-0.70		Pass
11a	6M bps	1	60	5300	0.24	4.14	11.00	-0.70		Pass
11a	6M bps	1	64	5320	0.24	4.15	11.00	-0.70		Pass
HT20	MCS 0	1	52	5260	0.26	4.16	11.00	-0.70		Pass
HT20	MCS 0	1	60	5300	0.26	3.52	11.00	-0.70		Pass
HT20	MCS 0	1	64	5320	0.26	4.01	11.00	-0.70		Pass
HT40	MCS 0	1	54	5270	0.43	2.98	11.00	-0.70		Pass
HT40	MCS 0	1	62	5310	0.43	2.66	11.00	-0.70		Pass
VHT80	MCS 0	1	58	5290	0.50	-1.49	11.00	-0.70		Pass

Report Number : FR7N1502E

TEST RESULTS DATA
26dB and 99% OBW

Band III										
Mod.	Data Rate	NTX	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	17.35	23.80	23.39	29.39	23.98	----
11a	6M bps	1	116	5580	17.40	23.40	23.41	29.41	23.98	----
11a	6M bps	1	140	5700	17.60	25.10	23.46	29.46	23.98	----
11a	6Mbps	1	144	5720	13.80	17.25	22.40	28.40	23.37	2.54
HT20	MCS 0	1	100	5500	18.75	24.30	23.73	29.73	23.98	----
HT20	MCS 0	1	116	5580	18.70	25.20	23.72	29.72	23.98	----
HT20	MCS 0	1	140	5700	18.80	27.20	23.74	29.74	23.98	----
HT20	MCS0	1	144	5720	14.40	18.65	22.58	28.58	23.71	2.5
HT40	MCS 0	1	102	5510	36.60	42.39	23.98	30.00	23.98	----
HT40	MCS 0	1	110	5550	36.50	42.12	23.98	30.00	23.98	----
HT40	MCS 0	1	134	5670	36.70	42.84	23.98	30.00	23.98	----
HT40	MCS0	1	142	5710	33.50	35.97	23.98	30.00	23.98	2.46
VHT80	MCS 0	1	106	5530	75.84	83.52	23.98	30.00	23.98	----
VHT80	MCS 0	1	122	5610	75.84	83.84	23.98	30.00	23.98	----
VHT80	MCS0	1	138	5690	73.16	83.84	23.98	30.00	23.98	2.53

TEST RESULTS DATA
Average Power Table

FCC Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	100	5500	0.24	16.22	23.98	1.00	26.99	Pass
11a	6M bps	1	116	5580	0.24	15.47	23.98	1.00	26.99	Pass
11a	6M bps	1	140	5700	0.24	16.65	23.98	1.00	26.99	Pass
11a	6M bps	1	144	5720	0.24	17.96	23.37	1.00	26.99	Pass
HT20	MCS 0	1	100	5500	0.26	16.63	23.98	1.00	26.99	Pass
HT20	MCS 0	1	116	5580	0.26	17.00	23.98	1.00	26.99	Pass
HT20	MCS 0	1	140	5700	0.26	16.92	23.98	1.00	26.99	Pass
HT20	MCS 0	1	144	5720	0.26	16.97	23.71	1.00	26.99	Pass
HT40	MCS 0	1	102	5510	0.43	14.71	23.98	1.00	26.99	Pass
HT40	MCS 0	1	110	5550	0.43	17.81	23.98	1.00	26.99	Pass
HT40	MCS 0	1	134	5670	0.43	17.64	23.98	1.00	26.99	Pass
HT40	MCS 0	1	142	5710	0.43	17.75	23.98	1.00	26.99	Pass
VHT20	MCS 0	1	100	5500	0.26	16.62	23.98	1.00	26.99	Pass
VHT20	MCS 0	1	116	5580	0.26	16.83	23.98	1.00	26.99	Pass
VHT20	MCS 0	1	140	5700	0.26	16.90	23.98	1.00	26.99	Pass
VHT20	MCS 0	1	144	5720	0.26	16.92	23.98	1.00	26.99	Pass
VHT40	MCS 0	1	102	5510	0.48	14.70	23.98	1.00	26.99	Pass
VHT40	MCS 0	1	110	5550	0.48	16.89	23.98	1.00	26.99	Pass
VHT40	MCS 0	1	134	5670	0.48	16.65	23.98	1.00	26.99	Pass
VHT40	MCS 0	1	142	5710	0.48	16.69	23.98	1.00	26.99	Pass
VHT80	MCS 0	1	106	5530	0.50	13.58	23.98	1.00	26.99	Pass
VHT80	MCS 0	1	122	5610	0.50	16.66	23.98	1.00	26.99	Pass
VHT80	MCS 0	1	138	5690	0.50	16.58	23.98	1.00	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

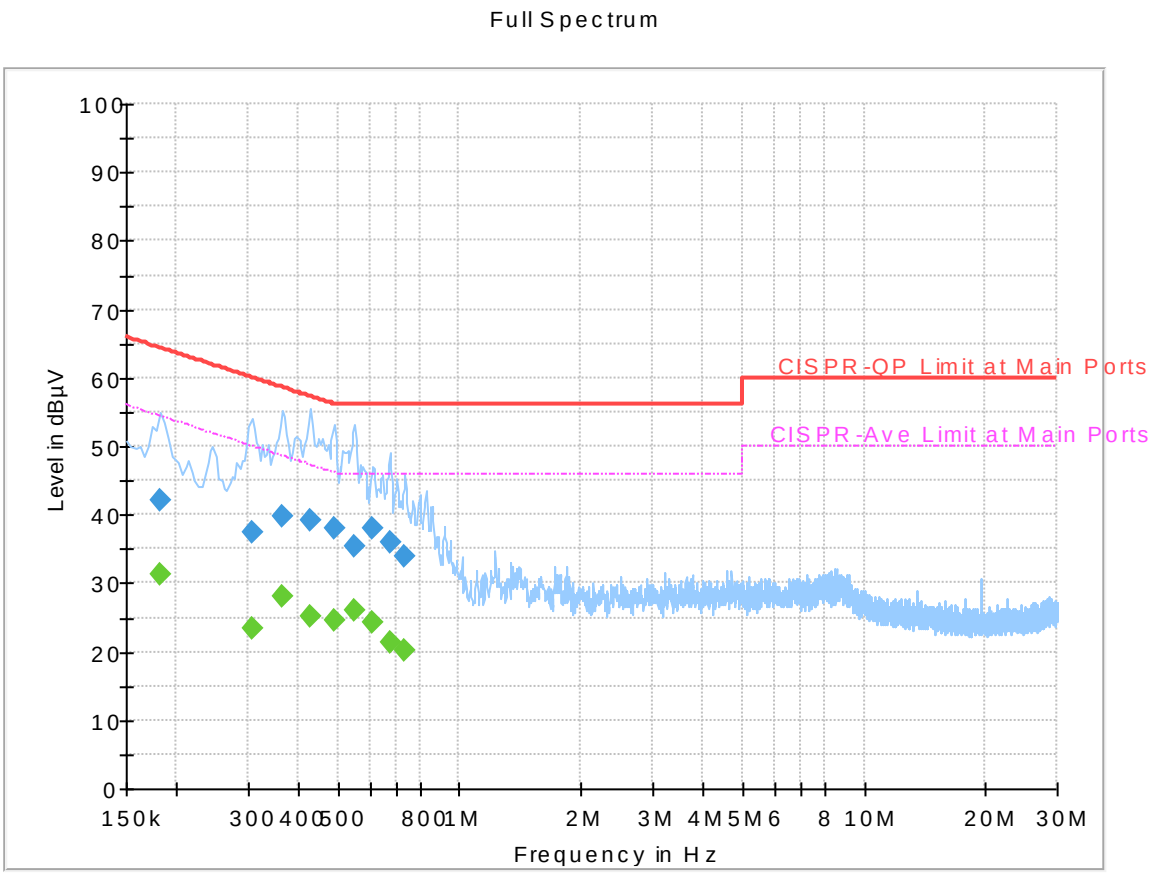
Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.24	5.91	11.00	1.00		Pass
11a	6M bps	1	116	5580	0.24	5.68	11.00	1.00		Pass
11a	6M bps	1	140	5700	0.24	5.77	11.00	1.00		Pass
11a	6Mbps	1	144	5720	0.24	7.43	11.00	1.00		Pass
HT20	MCS 0	1	100	5500	0.26	5.19	11.00	1.00		Pass
HT20	MCS 0	1	116	5580	0.26	5.34	11.00	1.00		Pass
HT20	MCS 0	1	140	5700	0.26	3.82	11.00	1.00		Pass
HT20	MCS0	1	144	5720	0.26	5.26	11.00	1.00		Pass
HT40	MCS 0	1	102	5510	0.43	0.91	11.00	1.00		Pass
HT40	MCS 0	1	110	5550	0.43	3.51	11.00	1.00		Pass
HT40	MCS 0	1	134	5670	0.43	1.66	11.00	1.00		Pass
HT40	MCS0	1	142	5710	0.43	1.98	11.00	1.00		Pass
VHT80	MCS 0	1	106	5530	0.50	-3.59	11.00	1.00		Pass
VHT80	MCS 0	1	122	5610	0.50	-0.88	11.00	1.00		Pass
VHT80	MCS0	1	138	5690	0.50	-1.88	11.00	1.00		Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Shareef Yu	**Temperature :**	26~27℃
		Relative Humidity :	50~52%

EUT Information

Report NO :	7N1502
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



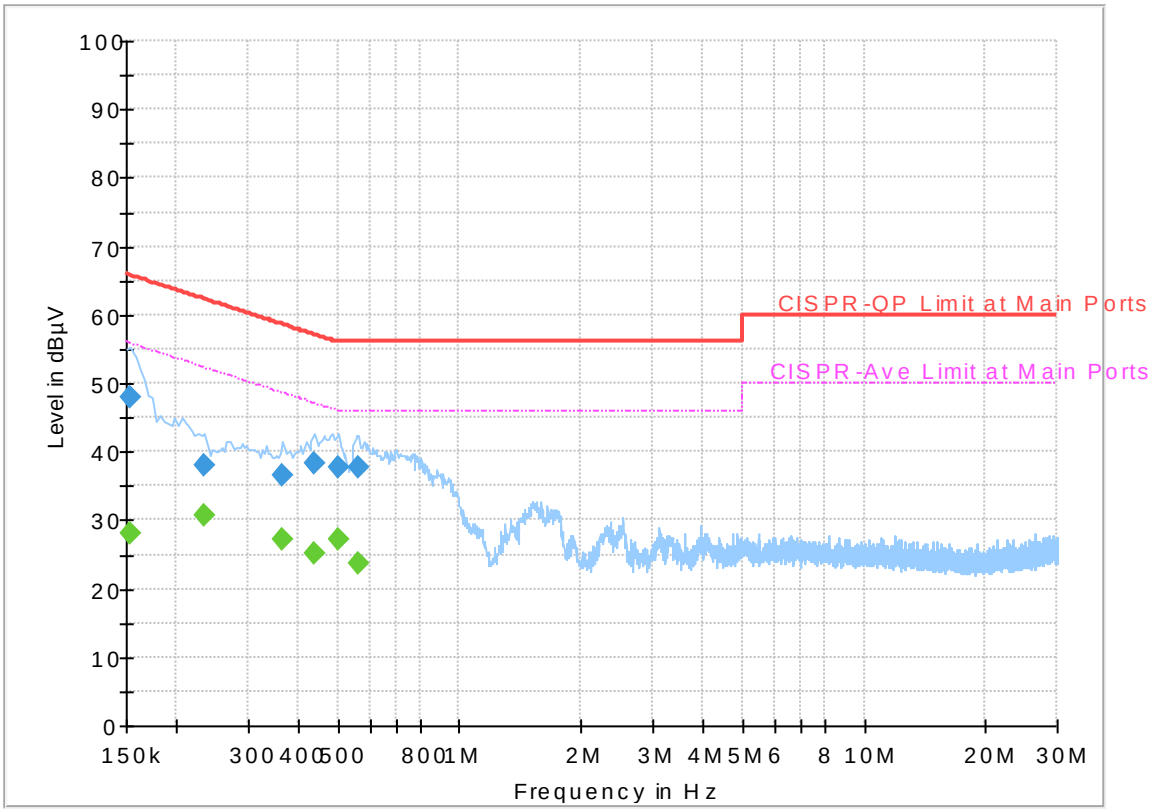
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.182000	---	31.27	54.39	23.12	L1	OFF	19.5
0.182000	42.05	---	64.39	22.34	L1	OFF	19.5
0.306000	---	23.48	50.08	26.60	L1	OFF	19.5
0.306000	37.35	---	60.08	22.73	L1	OFF	19.5
0.366000	---	27.94	48.59	20.65	L1	OFF	19.5
0.366000	39.85	---	58.59	18.74	L1	OFF	19.5
0.430000	---	25.21	47.25	22.04	L1	OFF	19.5
0.430000	39.15	---	57.25	18.10	L1	OFF	19.5
0.490000	---	24.45	46.17	21.72	L1	OFF	19.5
0.490000	38.14	---	56.17	18.03	L1	OFF	19.5
0.550000	---	26.12	46.00	19.88	L1	OFF	19.5
0.550000	35.25	---	56.00	20.75	L1	OFF	19.5
0.610000	---	24.27	46.00	21.73	L1	OFF	19.5
0.610000	37.96	---	56.00	18.04	L1	OFF	19.5
0.674000	---	21.30	46.00	24.70	L1	OFF	19.5
0.674000	35.85	---	56.00	20.15	L1	OFF	19.5
0.734000	---	20.08	46.00	25.92	L1	OFF	19.5
0.734000	33.99	---	56.00	22.01	L1	OFF	19.5

EUT Information

Report NO :	7N1502
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)
0.154000	---	27.96	55.78	27.82	N	OFF	19.5
0.154000	48.07	---	65.78	17.71	N	OFF	19.5
0.234000	---	30.59	52.31	21.72	N	OFF	19.5
0.234000	38.04	---	62.31	24.27	N	OFF	19.5
0.366000	---	27.33	48.59	21.26	N	OFF	19.5
0.366000	36.54	---	58.59	22.05	N	OFF	19.5
0.438000	---	25.21	47.10	21.89	N	OFF	19.5
0.438000	38.24	---	57.10	18.86	N	OFF	19.5
0.502000	---	27.05	46.00	18.95	N	OFF	19.5
0.502000	37.82	---	56.00	18.18	N	OFF	19.5
0.562000	---	23.63	46.00	22.37	N	OFF	19.5
0.562000	37.85	---	56.00	18.15	N	OFF	19.5

Appendix C. Radiated Spurious Emission

Test Engineer :	Watt Tseng, Karl Hou, and Nick Yu	**Temperature :**	22~23°C
		Relative Humidity :	65~67%

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		5145.08	61.89	-12.11	74	55.25	31.79	5.99	31.14	234	59	P	H
		5150	41.84	-12.16	54	35.2	31.79	5.99	31.14	234	59	A	H
	*	5180	105.42	-	-	98.73	31.81	6.02	31.14	234	59	P	H
	*	5180	94.62	-	-	87.93	31.81	6.02	31.14	234	59	A	H
													H
													H
		5148.72	55.63	-18.37	74	48.99	31.79	5.99	31.14	301	56	P	V
		5149.76	39.06	-14.94	54	32.42	31.79	5.99	31.14	301	56	A	V
	*	5180	101.78	-	-	95.09	31.81	6.02	31.14	301	56	P	V
	*	5180	90.6	-	-	83.91	31.81	6.02	31.14	301	56	A	V
													V
													V
802.11a CH 44 5220MHz		5147.68	49.87	-24.13	74	43.23	31.79	5.99	31.14	244	59	P	H
		5148.2	39.25	-14.75	54	32.61	31.79	5.99	31.14	244	59	A	H
	*	5220	108.24	-	-	101.51	31.83	6.04	31.14	244	59	P	H
	*	5220	97.04	-	-	90.31	31.83	6.04	31.14	244	59	A	H
		5427.52	48.79	-25.21	74	41.81	31.95	6.18	31.15	244	59	P	H
		5412.68	37.88	-16.12	54	30.9	31.95	6.18	31.15	244	59	A	H
		5133.38	48.24	-25.76	74	41.62	31.78	5.98	31.14	267	61	P	V
		5148.98	37.93	-16.07	54	31.29	31.79	5.99	31.14	267	61	A	V
	*	5220	104.63	-	-	97.9	31.83	6.04	31.14	267	61	P	V
	*	5220	93.4	-	-	86.67	31.83	6.04	31.14	267	61	A	V
		5421.92	49	-25	74	42.02	31.95	6.18	31.15	267	61	P	V
		5441.24	37.78	-16.22	54	30.78	31.96	6.19	31.15	267	61	A	V

802.11a CH 48 5240MHz		5059.54	48.93	-25.07	74	42.4	31.74	5.93	31.14	229	59	P	H
		5149.76	38.16	-15.84	54	31.52	31.79	5.99	31.14	229	59	A	H
	*	5240	107.19	-	-	100.44	31.84	6.05	31.14	229	59	P	H
	*	5240	95.97	-	-	89.22	31.84	6.05	31.14	229	59	A	H
		5447.68	49.19	-24.81	74	42.18	31.97	6.19	31.15	229	59	P	H
		5358.92	37.87	-16.13	54	30.97	31.91	6.14	31.15	229	59	A	H
		5120.9	48.72	-25.28	74	42.12	31.77	5.97	31.14	312	90	P	V
		5138.06	37.59	-16.41	54	30.97	31.78	5.98	31.14	312	90	A	V
	*	5240	103.01	-	-	96.26	31.84	6.05	31.14	312	90	P	V
	*	5240	91.96	-	-	85.21	31.84	6.05	31.14	312	90	A	V
		5452.72	48.64	-25.36	74	41.61	31.97	6.21	31.15	312	90	P	V
		5427.8	37.73	-16.27	54	30.75	31.95	6.18	31.15	312	90	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	64.77	-9.23	74	80.32	39.86	9.79	65.2	204	304	P	H
		10360	49.35	-4.65	54	64.9	39.86	9.79	65.2	204	304	A	H
		15540	49.12	-24.88	74	62.34	38.53	12.23	63.98	100	0	P	H
													H
		10360	62.12	-11.88	74	77.67	39.86	9.79	65.2	205	347	P	V
		10360	47.04	-6.96	54	62.59	39.86	9.79	65.2	205	347	A	V
		15540	46.98	-27.02	74	60.2	38.53	12.23	63.98	100	0	P	V
													V
802.11a CH 44 5220MHz		10440	65.06	-8.94	74	80.46	39.98	9.82	65.2	207	308	P	H
		10440	49.91	-4.09	54	65.31	39.98	9.82	65.2	207	308	A	H
		15660	46.35	-27.65	74	60.02	38.29	12.28	64.24	100	0	P	H
													H
		10440	64.16	-9.84	74	79.56	39.98	9.82	65.2	202	345	P	V
		10440	49.29	-4.71	54	64.69	39.98	9.82	65.2	202	345	A	V
		15660	48.26	-25.74	74	61.93	38.29	12.28	64.24	100	0	P	V
													V
802.11a CH 48 5240MHz		10480	64.44	-9.56	74	79.72	40.07	9.85	65.2	209	307	P	H
		10480	49.25	-4.75	54	64.53	40.07	9.85	65.2	209	307	A	H
		15720	48.04	-25.96	74	61.98	38.15	12.3	64.39	100	0	P	H
													H
		10480	62.63	-11.37	74	77.91	40.07	9.85	65.2	200	349	P	V
		10480	47.87	-6.13	54	63.15	40.07	9.85	65.2	200	349	A	V
		15720	46.61	-27.39	74	60.55	38.15	12.3	64.39	100	0	P	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)
		5148.72	62.91	-11.09	74	56.27	31.79	5.99	31.14	234	59	P	H
		5149.76	43.53	-10.47	54	36.89	31.79	5.99	31.14	234	59	A	H
	*	5180	106.32	-	-	99.63	31.81	6.02	31.14	234	59	P	H
	*	5180	95.09	-	-	88.4	31.81	6.02	31.14	234	59	A	H
802.11n													H
HT20													H
CH 36		5145.34	56.1	-17.9	74	49.46	31.79	5.99	31.14	302	53	P	V
5180MHz		5149.5	39.8	-14.2	54	33.16	31.79	5.99	31.14	302	53	A	V
	*	5180	102.63	-	-	95.94	31.81	6.02	31.14	302	53	P	V
	*	5180	91.39	-	-	84.7	31.81	6.02	31.14	302	53	A	V
													V
													V
		5149.5	53.94	-20.06	74	47.3	31.79	5.99	31.14	229	59	P	H
		5148.2	38.81	-15.19	54	32.17	31.79	5.99	31.14	229	59	A	H
	*	5220	107.17	-	-	100.44	31.83	6.04	31.14	229	59	P	H
	*	5220	95.96	-	-	89.23	31.83	6.04	31.14	229	59	A	H
802.11n		5444.04	48.76	-25.24	74	41.76	31.96	6.19	31.15	229	59	P	H
HT20		5449.36	37.86	-16.14	54	30.83	31.97	6.21	31.15	229	59	A	H
CH 44		5147.94	49.4	-24.6	74	42.76	31.79	5.99	31.14	236	69	P	V
5220MHz		5146.64	37.84	-16.16	54	31.2	31.79	5.99	31.14	236	69	A	V
	*	5220	103.87	-	-	97.14	31.83	6.04	31.14	236	69	P	V
	*	5220	92.75	-	-	86.02	31.83	6.04	31.14	236	69	A	V
		5401.2	49.72	-24.28	74	42.77	31.94	6.16	31.15	236	69	P	V
		5384.68	37.72	-16.28	54	30.79	31.93	6.15	31.15	236	69	A	V

		5146.38	49.09	-24.91	74	42.45	31.79	5.99	31.14	227	58	P	H
		5147.68	37.96	-16.04	54	31.32	31.79	5.99	31.14	227	58	A	H
	*	5240	106.95	-	-	100.2	31.84	6.05	31.14	227	58	P	H
	*	5240	95.78	-	-	89.03	31.84	6.05	31.14	227	58	A	H
802.11n		5437.88	48.85	-25.15	74	41.85	31.96	6.19	31.15	227	58	P	H
HT20		5414.64	37.82	-16.18	54	30.84	31.95	6.18	31.15	227	58	A	H
CH 48		5105.04	48.06	-25.94	74	41.49	31.76	5.95	31.14	297	54	P	V
5240MHz		5147.16	37.53	-16.47	54	30.89	31.79	5.99	31.14	297	54	A	V
	*	5240	103.46	-	-	96.71	31.84	6.05	31.14	297	54	P	V
	*	5240	92.24	-	-	85.49	31.84	6.05	31.14	297	54	A	V
		5458.6	48.88	-25.12	74	41.85	31.97	6.21	31.15	297	54	P	V
		5378.52	37.73	-16.27	54	30.8	31.93	6.15	31.15	297	54	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)
		10360	65.73	-8.27	74	81.28	39.86	9.79	65.2	206	302	P	H
		10360	49.28	-4.72	54	64.83	39.86	9.79	65.2	206	302	A	H
802.11n		15540	48.04	-25.96	74	61.26	38.53	12.23	63.98	100	0	P	H
HT20													H
CH 36		10360	64.48	-9.52	74	80.03	39.86	9.79	65.2	212	12	P	V
5180MHz		10360	47.47	-6.53	54	63.02	39.86	9.79	65.2	212	12	A	V
		15540	48	-26	74	61.22	38.53	12.23	63.98	100	0	P	V
													V
		10440	66.22	-7.78	74	81.62	39.98	9.82	65.2	206	305	P	H
		10440	49.82	-4.18	54	65.22	39.98	9.82	65.2	206	305	A	H
802.11n		15660	48.14	-25.86	74	61.81	38.29	12.28	64.24	100	0	P	H
HT20													H
CH 44		10440	62.75	-11.25	74	78.15	39.98	9.82	65.2	203	349	P	V
5220MHz		10440	47.21	-6.79	54	62.61	39.98	9.82	65.2	203	349	A	V
		15660	46.8	-27.2	74	60.47	38.29	12.28	64.24	100	0	P	V
													V
		10480	65.76	-8.24	74	81.04	40.07	9.85	65.2	208	307	P	H
		10480	49.8	-4.2	54	65.08	40.07	9.85	65.2	208	307	A	H
802.11n		15720	47.35	-26.65	74	61.29	38.15	12.3	64.39	100	0	P	H
HT20													H
CH 48		10480	63.06	-10.94	74	78.34	40.07	9.85	65.2	201	349	P	V
5240MHz		10480	47.98	-6.02	54	63.26	40.07	9.85	65.2	201	349	A	V
		15720	47.04	-26.96	74	60.98	38.15	12.3	64.39	100	0	P	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)
		5146.9	61.51	-12.49	74	54.87	31.79	5.99	31.14	241	64	P	H
		5150	50.71	-3.29	54	44.07	31.79	5.99	31.14	241	64	A	H
	*	5190	104.24	-	-	97.55	31.81	6.02	31.14	241	64	P	H
	*	5190	93.39	-	-	86.7	31.81	6.02	31.14	241	64	A	H
802.11n		5422.2	48.61	-25.39	74	41.63	31.95	6.18	31.15	241	64	P	H
HT40		5404.56	38.16	-15.84	54	31.21	31.94	6.16	31.15	241	64	A	H
CH 38		5148.46	55.88	-18.12	74	49.24	31.79	5.99	31.14	299	55	P	V
5190MHz		5150	45.91	-8.09	54	39.27	31.79	5.99	31.14	299	55	A	V
	*	5190	101.43	-	-	94.74	31.81	6.02	31.14	299	55	P	V
	*	5190	90.78	-	-	84.09	31.81	6.02	31.14	299	55	A	V
		5445.44	49.52	-24.48	74	42.52	31.96	6.19	31.15	299	55	P	V
		5430.32	38.29	-15.71	54	31.29	31.96	6.19	31.15	299	55	A	V
		5144.56	54.87	-19.13	74	48.23	31.79	5.99	31.14	237	66	P	H
		5149.76	40.33	-13.67	54	33.69	31.79	5.99	31.14	237	66	A	H
	*	5230	105.05	-	-	98.31	31.84	6.04	31.14	237	66	P	H
	*	5230	94.04	-	-	87.3	31.84	6.04	31.14	237	66	A	H
802.11n		5415.2	49.76	-24.24	74	42.78	31.95	6.18	31.15	237	66	P	H
HT40		5366.2	38.6	-15.4	54	31.69	31.92	6.14	31.15	237	66	A	H
CH 46		5141.96	49.24	-24.76	74	42.61	31.79	5.98	31.14	296	50	P	V
5230MHz		5147.16	38.43	-15.57	54	31.79	31.79	5.99	31.14	296	50	A	V
	*	5230	102.28	-	-	95.54	31.84	6.04	31.14	296	50	P	V
	*	5230	91.24	-	-	84.5	31.84	6.04	31.14	296	50	A	V
		5389.44	49	-25	74	42.07	31.93	6.15	31.15	296	50	P	V
		5355.84	38.4	-15.6	54	31.52	31.91	6.12	31.15	296	50	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		5132.34	60.47	-13.53	74	53.85	31.78	5.98	31.14	227	65	P	H
		5148.2	50.17	-3.83	54	43.53	31.79	5.99	31.14	227	65	A	H
	*	5210	100.52	-	-	93.8	31.83	6.03	31.14	227	65	P	H
	*	5210	88.31	-	-	81.59	31.83	6.03	31.14	227	65	A	H
		5362	48.52	-25.48	74	41.61	31.92	6.14	31.15	227	65	P	H
		5432.28	38.8	-15.2	54	31.8	31.96	6.19	31.15	227	65	A	H
		5141.18	56.1	-17.9	74	49.47	31.79	5.98	31.14	297	91	P	V
		5148.46	45.38	-8.62	54	38.74	31.79	5.99	31.14	297	91	A	V
	*	5210	96.73	-	-	90.01	31.83	6.03	31.14	297	91	P	V
	*	5210	85.73	-	-	79.01	31.83	6.03	31.14	297	91	A	V
		5393.92	48.84	-25.16	74	41.91	31.93	6.15	31.15	297	91	P	V
		5418.84	38.25	-15.75	54	31.27	31.95	6.18	31.15	297	91	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		5104.38	48.51	-25.49	74	41.94	31.76	5.95	31.14	238	59	P	H
		5138.38	37.73	-16.27	54	31.11	31.78	5.98	31.14	238	59	A	H
	*	5260	106.66	-	-	99.88	31.86	6.07	31.15	238	59	P	H
	*	5260	95.42	-	-	88.64	31.86	6.07	31.15	238	59	A	H
		5449.2	49.08	-24.92	74	42.05	31.97	6.21	31.15	238	59	P	H
		5350.32	37.86	-16.14	54	30.98	31.91	6.12	31.15	238	59	A	H
		5113.56	47.74	-26.26	74	41.14	31.77	5.97	31.14	295	79	P	V
		5147.56	37.65	-16.35	54	31.01	31.79	5.99	31.14	295	79	A	V
	*	5260	103.39	-	-	96.61	31.86	6.07	31.15	295	79	P	V
	*	5260	92.21	-	-	85.43	31.86	6.07	31.15	295	79	A	V
		5371.68	50.18	-23.82	74	43.27	31.92	6.14	31.15	295	79	P	V
		5416.8	37.73	-16.27	54	30.75	31.95	6.18	31.15	295	79	A	V
802.11a CH 60 5300MHz		5139.4	48.49	-25.51	74	41.87	31.78	5.98	31.14	223	58	P	H
		5148.92	37.66	-16.34	54	31.02	31.79	5.99	31.14	223	58	A	H
	*	5300	106.02	-	-	99.2	31.88	6.09	31.15	223	58	P	H
	*	5300	94.97	-	-	88.15	31.88	6.09	31.15	223	58	A	H
		5356.32	50.97	-23.03	74	44.09	31.91	6.12	31.15	223	58	P	H
		5350.8	40.24	-13.76	54	33.36	31.91	6.12	31.15	223	58	A	H
		5115.6	48.47	-25.53	74	41.87	31.77	5.97	31.14	293	79	P	V
		5138.72	37.36	-16.64	54	30.74	31.78	5.98	31.14	293	79	A	V
	*	5300	102.92	-	-	96.1	31.88	6.09	31.15	293	79	P	V
	*	5300	91.77	-	-	84.95	31.88	6.09	31.15	293	79	A	V
		5361.36	49.51	-24.49	74	42.6	31.92	6.14	31.15	293	79	P	V
		5352.72	38.47	-15.53	54	31.59	31.91	6.12	31.15	293	79	A	V

802.11a CH 64 5320MHz	*	5320	106.51	-	-	99.67	31.89	6.1	31.15	234	61	P	H
	*	5320	95.41	-	-	88.57	31.89	6.1	31.15	234	61	A	H
		5351.84	53.59	-20.41	74	46.71	31.91	6.12	31.15	234	61	P	H
		5350.24	42.8	-11.2	54	35.92	31.91	6.12	31.15	234	61	A	H
													H
													H
	*	5320	103.59	-	-	96.75	31.89	6.1	31.15	287	57	P	V
	*	5320	92.31	-	-	85.47	31.89	6.1	31.15	287	57	A	V
		5354.4	51.19	-22.81	74	44.31	31.91	6.12	31.15	287	57	P	V
		5350.08	40.72	-13.28	54	33.84	31.91	6.12	31.15	287	57	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	65.27	-8.73	74	80.49	40.11	9.87	65.2	211	309	P	H
		10520	49.85	-4.15	54	65.07	40.11	9.87	65.2	211	309	A	H
													H
													H
		15780	47.94	-26.06	74	62.08	38.05	12.32	64.51	100	0	P	V
		10520	61.69	-12.31	74	76.91	40.11	9.87	65.2	200	350	P	V
		10520	47.13	-6.87	54	62.35	40.11	9.87	65.2	200	350	A	V
		15780	47.11	-26.89	74	61.25	38.05	12.32	64.51	100	0	P	V
802.11a CH 60 5300MHz		10600	65.14	-8.86	74	80.24	40.18	9.9	65.18	210	311	P	H
		10600	49.89	-4.11	54	64.99	40.18	9.9	65.18	210	311	A	H
		15900	47.88	-26.12	74	62.47	37.81	12.37	64.77	100	0	P	H
													H
		10600	61.24	-12.76	74	76.34	40.18	9.9	65.18	195	351	P	V
		10600	46.82	-7.18	54	61.92	40.18	9.9	65.18	195	351	A	V
		15900	46.7	-27.3	74	61.29	37.81	12.37	64.77	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	65.24	-8.76	74	80.29	40.21	9.91	65.17	207	310	P	H
		10640	49.95	-4.05	54	65	40.21	9.91	65.17	207	310	A	H
													H
													H
		15960	46.32	-27.68	74	61.19	37.67	12.38	64.92	100	0	P	V
		10640	62.1	-11.9	74	77.15	40.21	9.91	65.17	194	351	P	V
		10640	47.73	-6.27	54	62.78	40.21	9.91	65.17	194	351	A	V
		15960	45.7	-28.3	74	60.57	37.67	12.38	64.92	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5038.42	48.41	-25.59	74	41.9	31.73	5.92	31.14	226	59	P	H
		5138.72	38.03	-15.97	54	31.41	31.78	5.98	31.14	226	59	A	H
	*	5260	106.03	-	-	99.25	31.86	6.07	31.15	226	59	P	H
	*	5260	94.93	-	-	88.15	31.86	6.07	31.15	226	59	A	H
802.11n		5350.32	49.73	-24.27	74	42.85	31.91	6.12	31.15	226	59	P	H
HT20		5407.68	38.11	-15.89	54	31.16	31.94	6.16	31.15	226	59	A	H
CH 52		5002.72	48.28	-25.72	74	41.83	31.7	5.89	31.14	295	79	P	V
5260MHz		5137.36	37.6	-16.4	54	30.98	31.78	5.98	31.14	295	79	A	V
	*	5260	103.45	-	-	96.67	31.86	6.07	31.15	295	79	P	V
	*	5260	92.24	-	-	85.46	31.86	6.07	31.15	295	79	A	V
		5373.12	49.37	-24.63	74	42.46	31.92	6.14	31.15	295	79	P	V
		5370	37.8	-16.2	54	30.89	31.92	6.14	31.15	295	79	A	V
		5098.26	49.18	-24.82	74	42.61	31.76	5.95	31.14	224	59	P	H
		5144.5	37.65	-16.35	54	31.01	31.79	5.99	31.14	224	59	A	H
	*	5300	105.49	-	-	98.67	31.88	6.09	31.15	224	59	P	H
	*	5300	94.38	-	-	87.56	31.88	6.09	31.15	224	59	A	H
802.11n		5355.84	55.53	-18.47	74	48.65	31.91	6.12	31.15	224	59	P	H
HT20		5352.96	39.98	-14.02	54	33.1	31.91	6.12	31.15	224	59	A	H
CH 60		5065.62	48.54	-25.46	74	42.01	31.74	5.93	31.14	273	58	P	V
5300MHz		5148.24	37.45	-16.55	54	30.81	31.79	5.99	31.14	273	58	A	V
	*	5300	103.4	-	-	96.58	31.88	6.09	31.15	273	58	P	V
	*	5300	92.25	-	-	85.43	31.88	6.09	31.15	273	58	A	V
		5353.44	53.56	-20.44	74	46.68	31.91	6.12	31.15	273	58	P	V
		5350.56	39.35	-14.65	54	32.47	31.91	6.12	31.15	273	58	A	V

	*	5320	106.23	-	-	99.39	31.89	6.1	31.15	236	59	P	H
	*	5320	95.02	-	-	88.18	31.89	6.1	31.15	236	59	A	H
		5364.16	58.12	-15.88	74	51.21	31.92	6.14	31.15	236	59	P	H
		5350.4	43.26	-10.74	54	36.38	31.91	6.12	31.15	236	59	A	H
802.11n													H
HT20													H
CH 64	*	5320	104.09	-	-	97.25	31.89	6.1	31.15	287	58	P	V
5320MHz	*	5320	92.81	-	-	85.97	31.89	6.1	31.15	287	58	A	V
		5352.8	56.39	-17.61	74	49.51	31.91	6.12	31.15	287	58	P	V
		5350.4	41.46	-12.54	54	34.58	31.91	6.12	31.15	287	58	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)
		10520	65.83	-8.17	74	81.05	40.11	9.87	65.2	212	308	P	H
		10520	49.33	-4.67	54	64.55	40.11	9.87	65.2	212	308	A	H
802.11n		15780	49.05	-24.95	74	63.19	38.05	12.32	64.51	100	0	P	H
HT20													H
CH 52		10520	63.28	-10.72	74	78.5	40.11	9.87	65.2	200	349	P	V
5260MHz		10520	47.8	-6.2	54	63.02	40.11	9.87	65.2	200	349	A	V
		15780	46.89	-27.11	74	61.03	38.05	12.32	64.51	100	0	P	V
													V
		10600	64.97	-9.03	74	80.07	40.18	9.9	65.18	210	313	P	H
		10600	48.85	-5.15	54	63.95	40.18	9.9	65.18	210	313	A	H
802.11n		15900	47.71	-26.29	74	62.3	37.81	12.37	64.77	100	0	P	H
HT20													H
CH 60		10600	60.37	-13.63	74	75.47	40.18	9.9	65.18	197	349	P	V
5300MHz		10600	44.95	-9.05	54	60.05	40.18	9.9	65.18	197	349	A	V
		15900	46.52	-27.48	74	61.11	37.81	12.37	64.77	100	0	P	V
													V
		10640	65.98	-8.02	74	81.03	40.21	9.91	65.17	202	314	P	H
		10640	49.93	-4.07	54	64.98	40.21	9.91	65.17	202	314	A	H
802.11n		15960	48.47	-25.53	74	63.34	37.67	12.38	64.92	100	0	P	H
HT20													H
CH 64		10640	62.29	-11.71	74	77.34	40.21	9.91	65.17	194	353	P	V
5320MHz		10640	46.78	-7.22	54	61.83	40.21	9.91	65.17	194	353	A	V
		15960	45.86	-28.14	74	60.73	37.67	12.38	64.92	100	0	P	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		5081.94	48.75	-25.25	74	42.2	31.75	5.94	31.14	233	65	P	H
		5148.92	38.35	-15.65	54	31.71	31.79	5.99	31.14	233	65	A	H
	*	5270	104.09	-	-	97.3	31.86	6.08	31.15	233	65	P	H
	*	5270	93.55	-	-	86.76	31.86	6.08	31.15	233	65	A	H
		5350.08	54.09	-19.91	74	47.21	31.91	6.12	31.15	233	65	P	H
		5350.08	40.88	-13.12	54	34	31.91	6.12	31.15	233	65	A	H
		5076.16	48.76	-25.24	74	42.21	31.75	5.94	31.14	291	52	P	V
		5132.6	38.24	-15.76	54	31.62	31.78	5.98	31.14	291	52	A	V
	*	5270	102.58	-	-	95.79	31.86	6.08	31.15	291	52	P	V
	*	5270	91.8	-	-	85.01	31.86	6.08	31.15	291	52	A	V
		5355.12	51.94	-22.06	74	45.06	31.91	6.12	31.15	291	52	P	V
		5351.04	39.64	-14.36	54	32.76	31.91	6.12	31.15	291	52	A	V
802.11n HT40 CH 62 5310MHz		5099.96	48.08	-25.92	74	41.51	31.76	5.95	31.14	234	66	P	H
		5127.5	38.03	-15.97	54	31.41	31.78	5.98	31.14	234	66	A	H
	*	5310	104.88	-	-	98.04	31.89	6.1	31.15	234	66	P	H
	*	5310	93.89	-	-	87.05	31.89	6.1	31.15	234	66	A	H
		5350.08	61.63	-12.37	74	54.75	31.91	6.12	31.15	234	66	P	H
		5351.04	51.07	-2.93	54	44.19	31.91	6.12	31.15	234	66	A	H
		5082.28	48.09	-25.91	74	41.54	31.75	5.94	31.14	288	54	P	V
		5148.92	38.04	-15.96	54	31.4	31.79	5.99	31.14	288	54	A	V
	*	5310	103.05	-	-	96.21	31.89	6.1	31.15	288	54	P	V
	*	5310	92.21	-	-	85.37	31.89	6.1	31.15	288	54	A	V
		5351.04	59.48	-14.52	74	52.6	31.91	6.12	31.15	288	54	P	V
		5350.56	48.89	-5.11	54	42.01	31.91	6.12	31.15	288	54	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		5124.1	49.75	-24.25	74	43.14	31.78	5.97	31.14	234	67	P	H
		5144.84	39.89	-14.11	54	33.25	31.79	5.99	31.14	234	67	A	H
	*	5290	101.46	-	-	94.65	31.87	6.09	31.15	234	67	P	H
	*	5290	89.54	-	-	82.73	31.87	6.09	31.15	234	67	A	H
		5359.68	62.18	-11.82	74	55.28	31.91	6.14	31.15	234	67	P	H
		5367.12	51.39	-2.61	54	44.48	31.92	6.14	31.15	234	67	A	H
		5140.42	48.78	-25.22	74	42.15	31.79	5.98	31.14	289	52	P	V
		5149.26	38.83	-15.17	54	32.19	31.79	5.99	31.14	289	52	A	V
	*	5290	99.15	-	-	92.34	31.87	6.09	31.15	289	52	P	V
	*	5290	87.02	-	-	80.21	31.87	6.09	31.15	289	52	A	V
		5358.96	58.64	-15.36	74	51.74	31.91	6.14	31.15	289	52	P	V
		5354.64	48.78	-5.22	54	41.9	31.91	6.12	31.15	289	52	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		5459.28	55.08	-18.92	74	48.05	31.97	6.21	31.15	234	59	P	H
		5467.92	61.1	-7.1	68.2	54.04	31.98	6.23	31.15	234	59	P	H
		5460	44.26	-9.74	54	37.23	31.97	6.21	31.15	234	59	A	H
	*	5500	109.46	-	-	102.37	32	6.24	31.15	234	59	P	H
	*	5500	98.2	-	-	91.11	32	6.24	31.15	234	59	A	H
													H
		5449.52	54.2	-19.8	74	47.17	31.97	6.21	31.15	285	349	P	V
		5469.04	59.86	-8.34	68.2	52.8	31.98	6.23	31.15	285	349	P	V
		5460	42.67	-11.33	54	35.64	31.97	6.21	31.15	285	349	A	V
	*	5500	106.67	-	-	99.58	32	6.24	31.15	285	349	P	V
	*	5500	95.38	-	-	88.29	32	6.24	31.15	285	349	A	V
													V
802.11a CH 116 5580MHz		5417.44	49.7	-24.3	74	42.72	31.95	6.18	31.15	230	60	P	H
		5463.52	48.25	-19.95	68.2	41.21	31.98	6.21	31.15	230	60	P	H
		5458.96	38.28	-15.72	54	31.25	31.97	6.21	31.15	230	60	A	H
	*	5580	108.19	-	-	100.97	32.1	6.32	31.2	230	60	P	H
	*	5580	96.78	-	-	89.56	32.1	6.32	31.2	230	60	A	H
		5758.07	48.62	-19.58	68.2	41.17	32.36	6.37	31.28	230	60	P	H
		5458.72	49.72	-24.28	74	42.69	31.97	6.21	31.15	277	351	P	V
		5466.88	49.01	-19.19	68.2	41.95	31.98	6.23	31.15	277	351	P	V
		5439.04	37.85	-16.15	54	30.85	31.96	6.19	31.15	277	351	A	V
	*	5580	105.77	-	-	98.55	32.1	6.32	31.2	277	351	P	V
	*	5580	94.28	-	-	87.06	32.1	6.32	31.2	277	351	A	V
		5763.74	49.28	-18.92	68.2	41.83	32.36	6.37	31.28	277	351	P	V

802.11a CH 140 5700MHz	*	5700	107.09	-	-	99.71	32.27	6.36	31.25	233	70	P	H
	*	5700	95.97	-	-	88.59	32.27	6.36	31.25	233	70	A	H
		5725.24	65.28	-2.92	68.2	57.86	32.31	6.37	31.26	233	70	P	H
													H
													H
													H
	*	5700	105.31	-	-	97.93	32.27	6.36	31.25	255	353	P	V
	*	5700	94.16	-	-	86.78	32.27	6.36	31.25	255	353	A	V
		5726.76	63.03	-5.17	68.2	55.61	32.31	6.37	31.26	255	353	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	64.89	-9.11	74	79.41	40.5	10.08	65.1	213	319	P	H
		11000	49.56	-4.44	54	64.08	40.5	10.08	65.1	213	319	A	H
		16500	49.93	-18.27	68.2	62.94	39.6	12.49	65.1	100	0	P	H
													H
		11000	64.21	-9.79	74	78.73	40.5	10.08	65.1	203	356	P	V
		11000	49.43	-4.57	54	63.95	40.5	10.08	65.1	203	356	A	V
		16500	48.65	-19.55	68.2	61.66	39.6	12.49	65.1	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	64.27	-9.73	74	78.94	40.37	10.16	65.2	201	306	P	H
		11160	49.37	-4.63	54	64.04	40.37	10.16	65.2	201	306	A	H
		16740	51.95	-16.25	68.2	64.16	40.13	12.52	64.86	100	0	P	H
													H
		11160	61.38	-12.62	74	76.05	40.37	10.16	65.2	208	341	P	V
		11160	47.11	-6.89	54	61.78	40.37	10.16	65.2	208	341	A	V
		16740	52.87	-15.33	68.2	65.08	40.13	12.52	64.86	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	63.94	-10.06	74	78.81	40.18	10.29	65.34	200	311	P	H
		11400	49.98	-4.02	54	64.85	40.18	10.29	65.34	200	311	A	H
		17100	58.05	-10.15	68.2	68.81	41.06	12.64	64.46	100	0	P	H
													H
		11400	62	-12	74	76.87	40.18	10.29	65.34	213	27	P	V
		11400	47.49	-6.51	54	62.36	40.18	10.29	65.34	213	27	A	V
		17100	58.17	-10.03	68.2	68.93	41.06	12.64	64.46	100	0	P	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)
		5459.76	63.48	-10.52	74	56.45	31.97	6.21	31.15	233	60	P	H
		5468.88	64.37	-3.83	68.2	57.31	31.98	6.23	31.15	233	60	P	H
		5460	44.85	-9.15	54	37.82	31.97	6.21	31.15	233	60	A	H
	*	5500	109.31	-	-	102.22	32	6.24	31.15	233	60	P	H
802.11n	*	5500	97.97	-	-	90.88	32	6.24	31.15	233	60	A	H
HT20													H
CH 100		5458.32	59.17	-14.83	74	52.14	31.97	6.21	31.15	270	61	P	V
5500MHz		5463.44	60.49	-7.71	68.2	53.45	31.98	6.21	31.15	270	61	P	V
		5460	41.75	-12.25	54	34.72	31.97	6.21	31.15	270	61	A	V
	*	5500	105.54	-	-	98.45	32	6.24	31.15	270	61	P	V
	*	5500	94.16	-	-	87.07	32	6.24	31.15	270	61	A	V
													V
		5426.8	49.05	-24.95	74	42.07	31.95	6.18	31.15	228	59	P	H
		5462.8	48.53	-19.67	68.2	41.49	31.98	6.21	31.15	228	59	P	H
		5451.76	38.02	-15.98	54	30.99	31.97	6.21	31.15	228	59	A	H
	*	5580	108.56	-	-	101.34	32.1	6.32	31.2	228	59	P	H
802.11n	*	5580	97.3	-	-	90.08	32.1	6.32	31.2	228	59	A	H
HT20		5755.235	49.2	-19	68.2	41.74	32.36	6.37	31.27	228	59	P	H
CH 116		5371.36	49.21	-24.79	74	42.3	31.92	6.14	31.15	276	351	P	V
5580MHz		5463.76	47.94	-20.26	68.2	40.9	31.98	6.21	31.15	276	351	P	V
		5451.52	37.92	-16.08	54	30.89	31.97	6.21	31.15	276	351	A	V
	*	5580	106.68	-	-	99.46	32.1	6.32	31.2	276	351	P	V
	*	5580	95.49	-	-	88.27	32.1	6.32	31.2	276	351	A	V
		5743.58	49.4	-18.8	68.2	41.96	32.34	6.37	31.27	276	351	P	V

	*	5700	107.63	-	-	100.25	32.27	6.36	31.25	231	67	P	H
	*	5700	96.37	-	-	88.99	32.27	6.36	31.25	231	67	A	H
		5725.08	66.01	-2.19	68.2	58.59	32.31	6.37	31.26	231	67	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	104.15	-	-	96.77	32.27	6.36	31.25	400	22	P	V
5700MHz	*	5700	92.79	-	-	85.41	32.27	6.36	31.25	400	22	A	V
		5726.28	62.71	-5.49	68.2	55.29	32.31	6.37	31.26	400	22	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)
		11000	65.33	-8.67	74	79.85	40.5	10.08	65.1	213	322	P	H
		11000	49.99	-4.01	54	64.51	40.5	10.08	65.1	213	322	A	H
802.11n		16500	49.63	-18.57	68.2	62.64	39.6	12.49	65.1	100	0	P	H
HT20													H
CH 100		11000	64.78	-9.22	74	79.3	40.5	10.08	65.1	205	339	P	V
5500MHz		11000	49.56	-4.44	54	64.08	40.5	10.08	65.1	205	339	A	V
		16500	49.15	-19.05	68.2	62.16	39.6	12.49	65.1	100	0	P	V
													V
		11160	64.93	-9.07	74	79.6	40.37	10.16	65.2	206	305	P	H
		11160	49.98	-4.02	54	64.65	40.37	10.16	65.2	206	305	A	H
802.11n		16740	51.32	-16.88	68.2	63.53	40.13	12.52	64.86	100	0	P	H
HT20													H
CH 116		11160	63.06	-10.94	74	77.73	40.37	10.16	65.2	205	342	P	V
5580MHz		11160	48.38	-5.62	54	63.05	40.37	10.16	65.2	205	342	A	V
		16740	54.2	-14	68.2	66.41	40.13	12.52	64.86	100	0	P	V
													V
		11400	63.98	-10.02	74	78.85	40.18	10.29	65.34	206	311	P	H
		11400	49.25	-4.75	54	64.12	40.18	10.29	65.34	206	311	A	H
802.11n		17100	53.63	-14.57	68.2	64.39	41.06	12.64	64.46	100	0	P	H
HT20													H
CH 140		11400	58.39	-15.61	74	73.26	40.18	10.29	65.34	186	342	P	V
5700MHz		11400	43.35	-10.65	54	58.22	40.18	10.29	65.34	186	342	A	V
		17100	54.58	-13.62	68.2	65.34	41.06	12.64	64.46	100	0	P	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)
		5457.04	63.26	-10.74	74	56.23	31.97	6.21	31.15	232	68	P	H
		5470	65.83	-2.37	68.2	58.77	31.98	6.23	31.15	232	68	P	H
		5459.92	50.32	-3.68	54	43.29	31.97	6.21	31.15	232	68	A	H
	*	5510	103.49	-	-	96.39	32	6.26	31.16	232	68	P	H
802.11n	*	5510	92.97	-	-	85.87	32	6.26	31.16	232	68	A	H
HT40		5755.55	49.41	-18.79	68.2	41.95	32.36	6.37	31.27	232	68	P	H
CH 102		5457.28	59.71	-14.29	74	52.68	31.97	6.21	31.15	297	357	P	V
5510MHz		5470	63.68	-4.52	68.2	56.62	31.98	6.23	31.15	297	357	P	V
		5459.44	47.45	-6.55	54	40.42	31.97	6.21	31.15	297	357	A	V
	*	5510	101.63	-	-	94.53	32	6.26	31.16	297	357	P	V
	*	5510	90.74	-	-	83.64	32	6.26	31.16	297	357	A	V
		5733.185	49.17	-19.03	68.2	41.76	32.31	6.37	31.27	297	357	P	V
		5457.28	56.19	-17.81	74	49.16	31.97	6.21	31.15	236	66	P	H
		5466.64	58.08	-10.12	68.2	51.02	31.98	6.23	31.15	236	66	P	H
		5458.96	43.53	-10.47	54	36.5	31.97	6.21	31.15	236	66	A	H
	*	5550	105.84	-	-	98.65	32.07	6.29	31.17	236	66	P	H
802.11n	*	5550	95.12	-	-	87.93	32.07	6.29	31.17	236	66	A	H
HT40		5747.675	48.87	-19.33	68.2	41.43	32.34	6.37	31.27	236	66	P	H
CH 110		5457.04	53.96	-20.04	74	46.93	31.97	6.21	31.15	295	356	P	V
5550MHz		5465.92	54.37	-13.83	68.2	47.33	31.98	6.21	31.15	295	356	P	V
		5459.92	41.81	-12.19	54	34.78	31.97	6.21	31.15	295	356	A	V
	*	5550	103.66	-	-	96.47	32.07	6.29	31.17	295	356	P	V
	*	5550	93.05	-	-	85.86	32.07	6.29	31.17	295	356	A	V
		5727.515	48.67	-19.53	68.2	41.25	32.31	6.37	31.26	295	356	P	V

		5454.65	49.05	-24.95	74	42.02	31.97	6.21	31.15	243	69	P	H
		5469	48.37	-19.83	68.2	41.31	31.98	6.23	31.15	243	69	P	H
		5451.15	38.61	-15.39	54	31.58	31.97	6.21	31.15	243	69	A	H
	*	5670	104.44	-	-	97.08	32.24	6.35	31.23	243	69	P	H
802.11n	*	5670	93.71	-	-	86.35	32.24	6.35	31.23	243	69	A	H
HT40		5727.725	61.8	-6.4	68.2	54.38	32.31	6.37	31.26	243	69	P	H
CH 134		5428.75	48.72	-25.28	74	41.73	31.96	6.18	31.15	280	359	P	V
5670MHz		5469.7	47.99	-20.21	68.2	40.93	31.98	6.23	31.15	280	359	P	V
		5422.8	38.38	-15.62	54	31.4	31.95	6.18	31.15	280	359	A	V
	*	5670	103.3	-	-	95.94	32.24	6.35	31.23	280	359	P	V
	*	5670	92.43	-	-	85.07	32.24	6.35	31.23	280	359	A	V
		5728.075	57.67	-10.53	68.2	50.25	32.31	6.37	31.26	280	359	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)
		5452.24	58.98	-15.02	74	51.95	31.97	6.21	31.15	236	65	P	H
		5469.52	59.87	-8.33	68.2	52.81	31.98	6.23	31.15	236	65	P	H
		5459.92	48.92	-5.08	54	41.89	31.97	6.21	31.15	236	65	A	H
	*	5530	99.23	-	-	92.11	32.02	6.27	31.17	236	65	P	H
802.11ac	*	5530	88.56	-	-	81.44	32.02	6.27	31.17	236	65	A	H
VHT80		5758.385	49.26	-18.94	68.2	41.81	32.36	6.37	31.28	236	65	P	H
CH 106		5459.44	56.34	-17.66	74	49.31	31.97	6.21	31.15	264	350	P	V
5530MHz		5465.68	57.12	-11.08	68.2	50.08	31.98	6.21	31.15	264	350	P	V
		5458.96	46.14	-7.86	54	39.11	31.97	6.21	31.15	264	350	A	V
	*	5530	96.26	-	-	89.14	32.02	6.27	31.17	264	350	P	V
	*	5530	85.76	-	-	78.64	32.02	6.27	31.17	264	350	A	V
		5728.46	48.71	-19.49	68.2	41.29	32.31	6.37	31.26	264	350	P	V

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 144 5720MHz		11440	64.92	-9.08	74	79.83	40.15	10.3	65.36	210	314	P	H
		11440	49.95	-4.05	54	64.86	40.15	10.3	65.36	210	314	A	H
		17160	54.42	-13.78	68.2	64.82	41.3	12.67	64.37	100	0	P	H
													H
		11440	59.69	-14.31	74	74.6	40.15	10.3	65.36	196	317	P	V
		11440	45.31	-8.69	54	60.22	40.15	10.3	65.36	196	317	A	V
		17160	55.65	-12.55	68.2	66.05	41.3	12.67	64.37	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT20 (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)
802.11n HT20 LF		30.27	23.42	-16.58	40	28.59	24.57	0.44	30.18	-	-	P	H
		102.36	20.67	-22.83	43.5	34.08	16.14	0.85	30.4	-	-	P	H
		209.82	26.52	-16.98	43.5	40.44	15.01	1.33	30.26	-	-	P	H
		517.7	25.82	-20.18	46	29.77	23.91	1.91	29.77	-	-	P	H
		729.8	31.46	-14.54	46	31.29	27.36	2.28	29.47	100	0	P	H
		979.7	34.25	-19.75	54	29.83	30.66	2.76	29	-	-	P	H
													H
													H
													H
													H
													H
													H
		42.69	29.48	-10.52	40	41.53	17.71	0.6	30.36	100	0	P	V
		116.4	23.03	-20.47	43.5	35.37	17.12	0.92	30.38	-	-	P	V
		209.01	20.97	-22.53	43.5	34.89	15.01	1.33	30.26	-	-	P	V
		565.3	28.14	-17.86	46	29.91	25.91	2.03	29.71	-	-	P	V
		734	31.41	-14.59	46	31.02	27.58	2.28	29.47	-	-	P	V
		962.2	34.26	-19.74	54	29.63	30.93	2.74	29.04	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

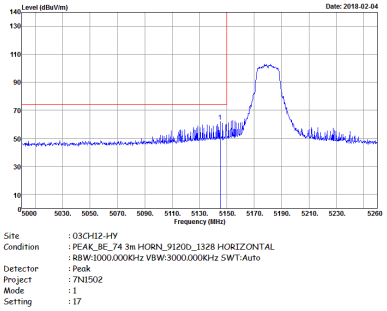
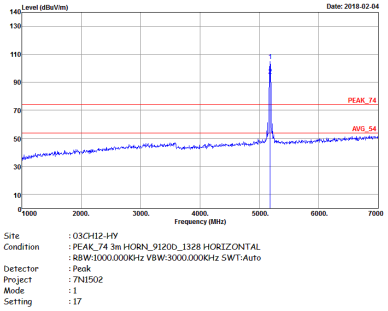
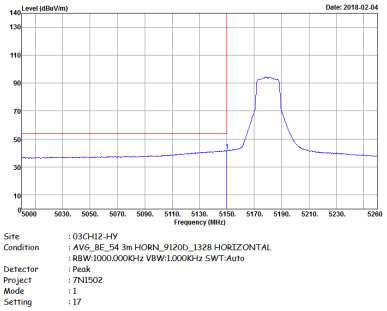
Test Engineer :	Watt Tseng, Karl Hou, and Nick Yu	**Temperature :**	22~23°C
		Relative Humidity :	65~67%

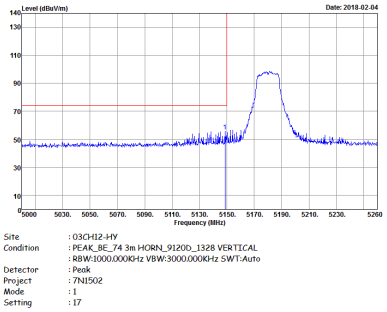
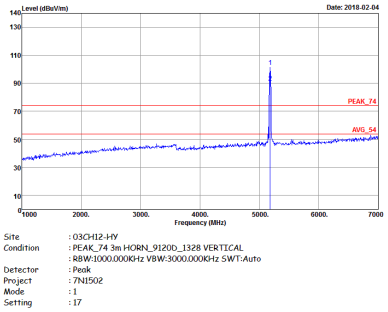
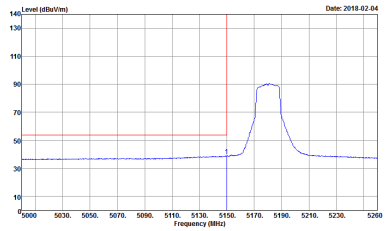
Note symbol

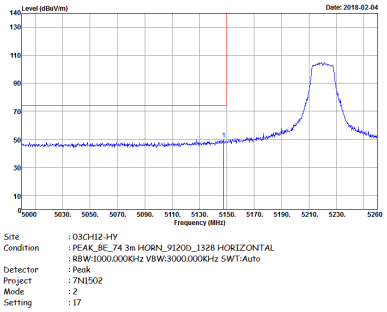
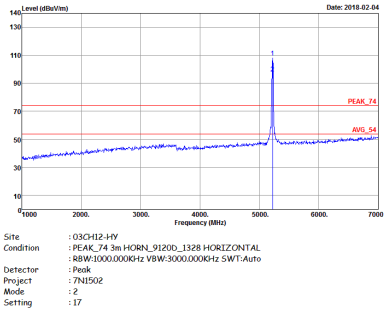
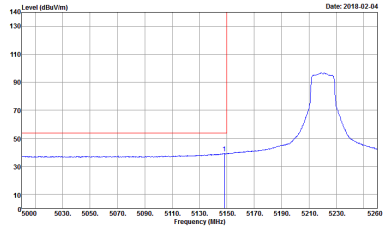
-L	**Low channel location**
-R	**High channel location**

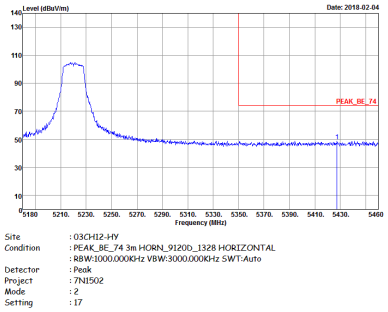
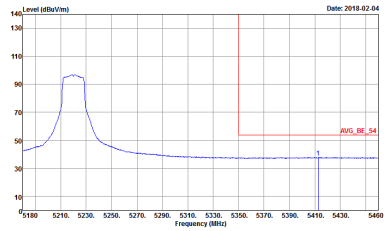
Band 1 - 5150~5250MHz

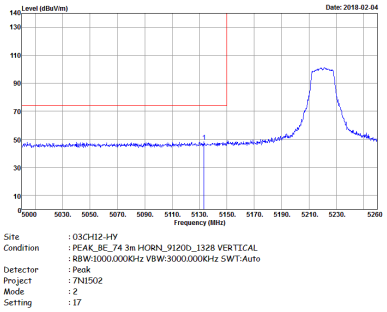
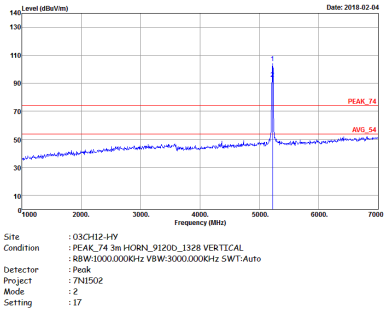
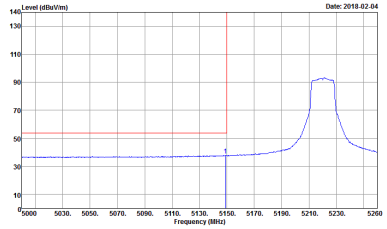
WIFI 802.11a (Band Edge @ 3m)

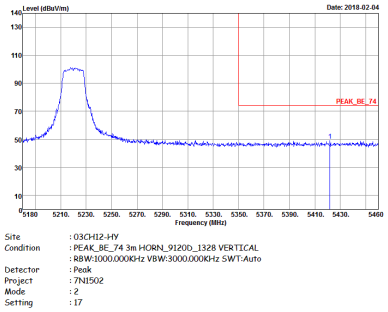
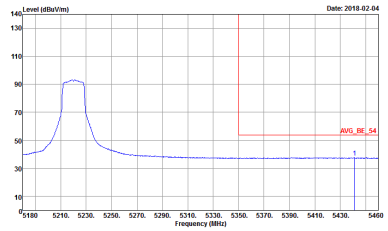
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

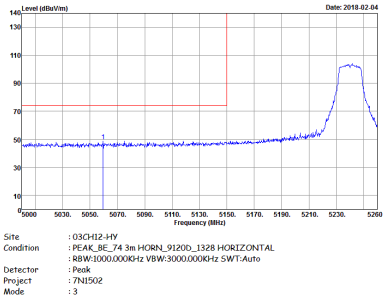
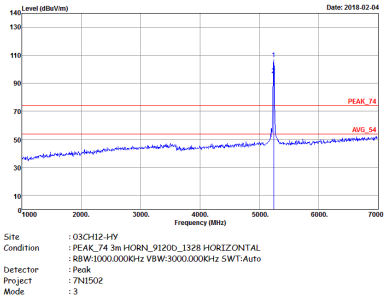
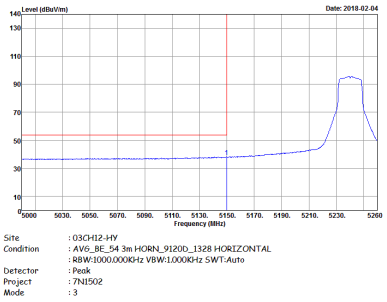
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 1 Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 1 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 1 Setting : 17	Left blank

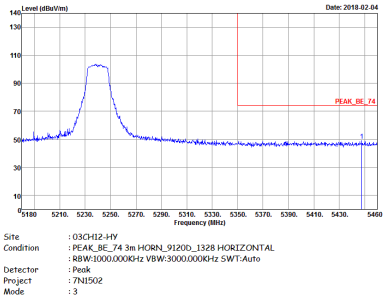
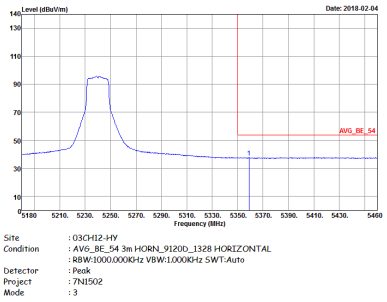
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	Left blank

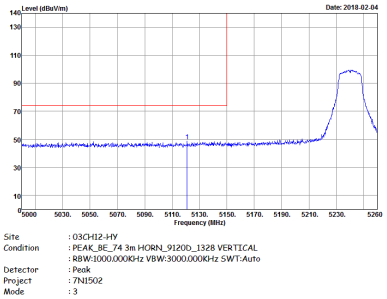
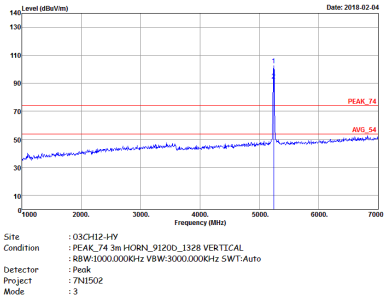
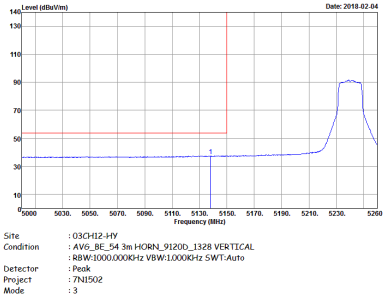
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	Left blank

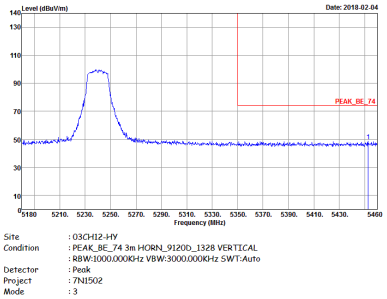
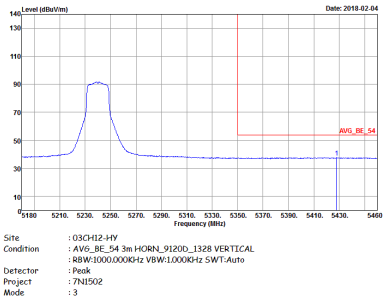
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 2 Setting : 17	Left blank

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

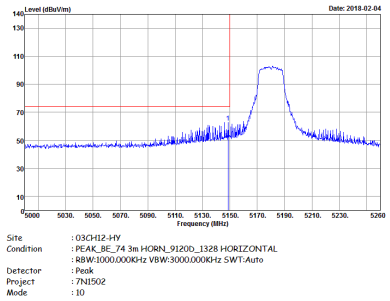
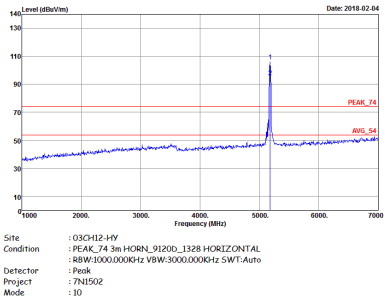
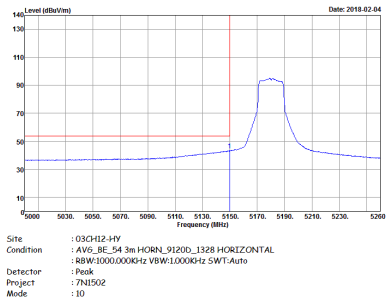
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

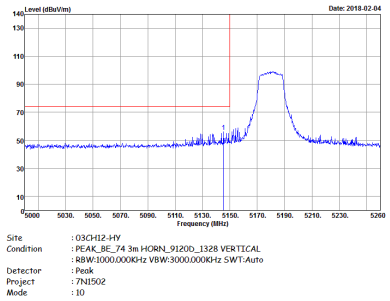
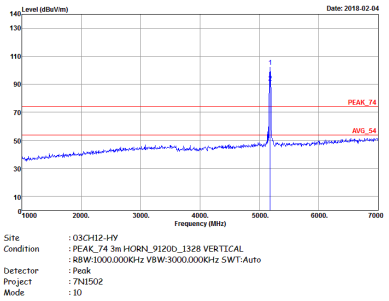
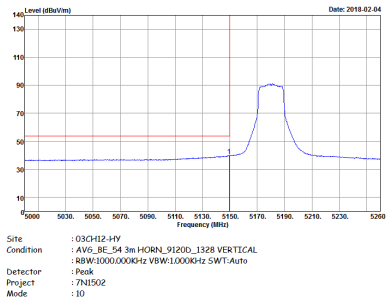
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

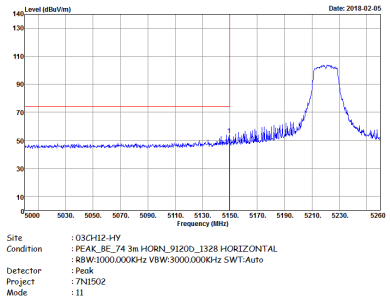
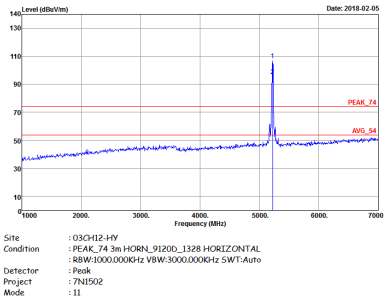
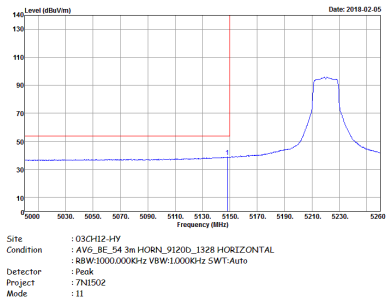
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

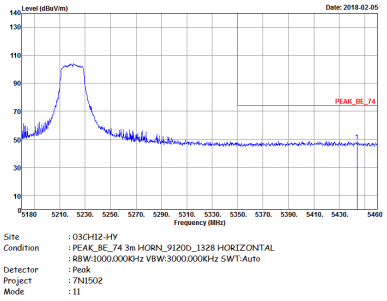
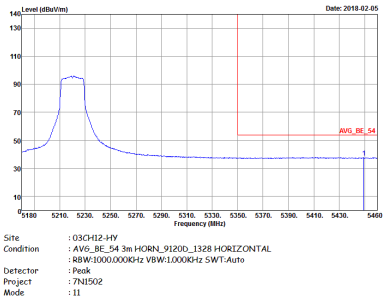
Band 1 5150~5250MHz

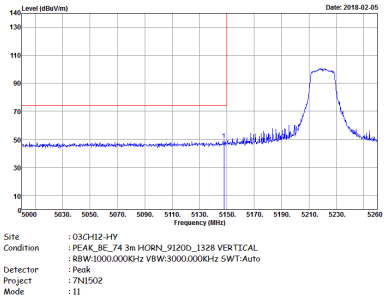
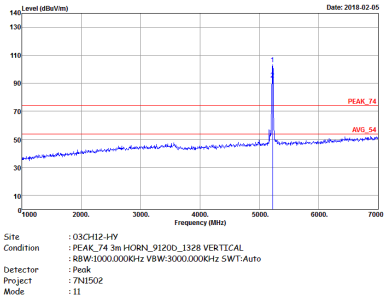
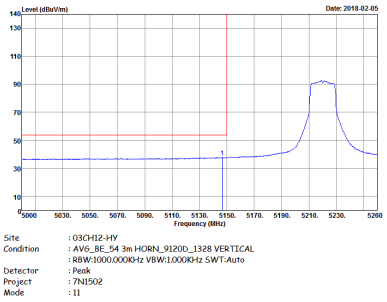
WIFI 802.11n HT20 (Band Edge @ 3m)

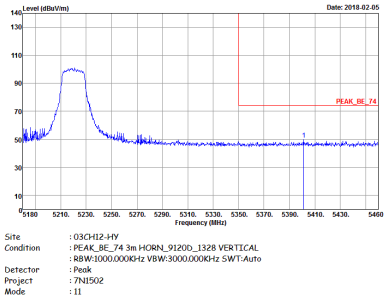
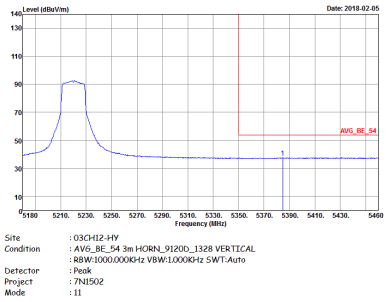
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

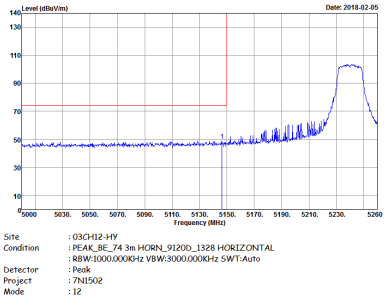
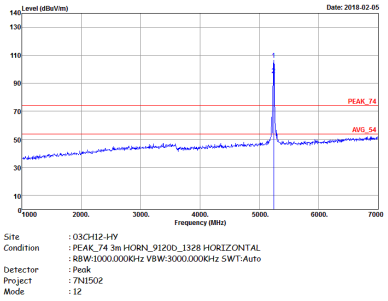
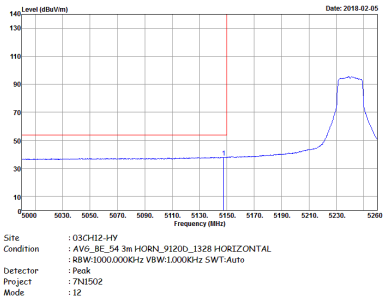
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

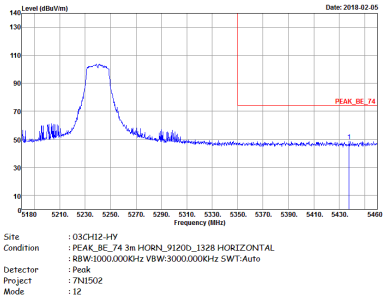
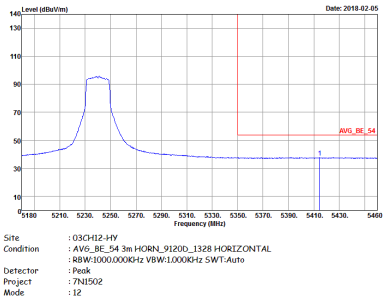
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

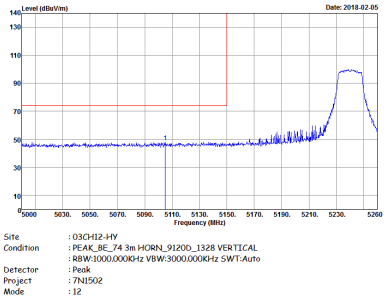
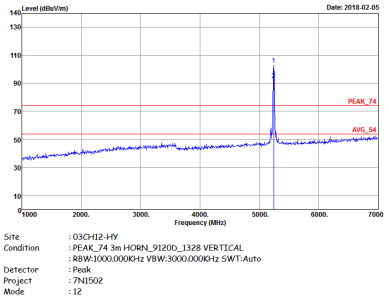
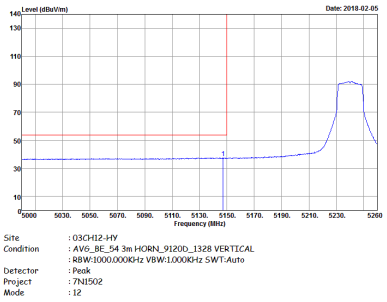
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

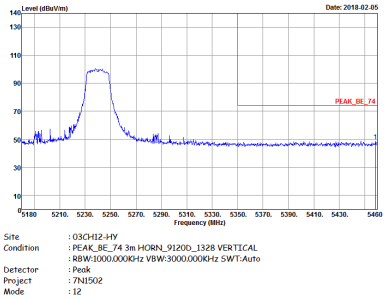
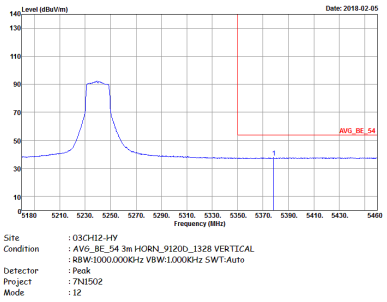
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

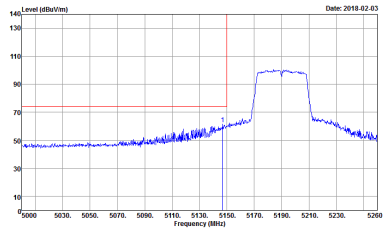
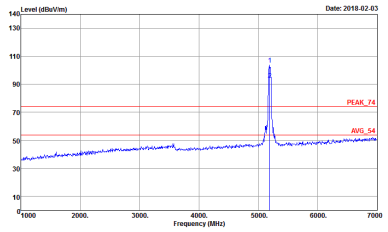
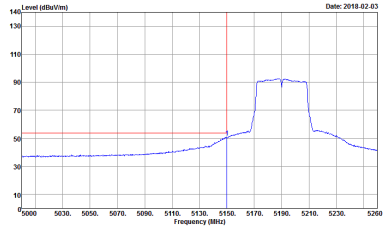
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

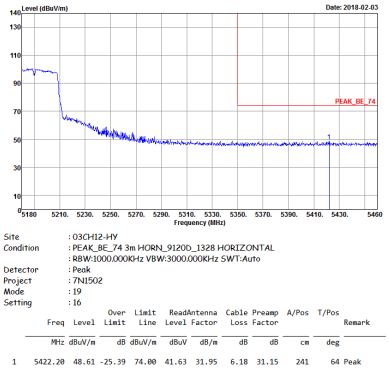
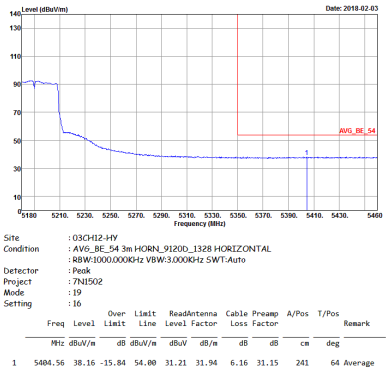
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

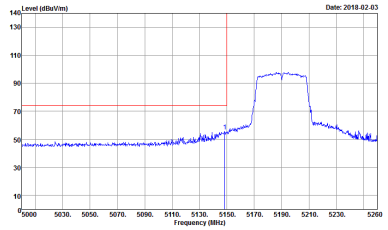
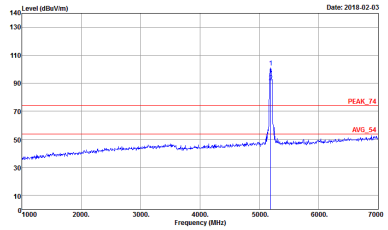
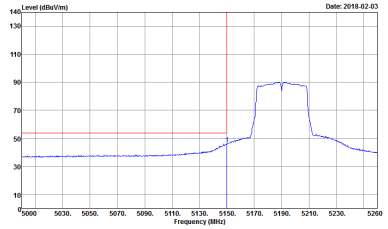
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

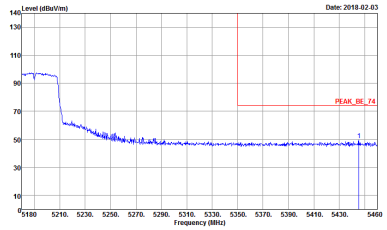
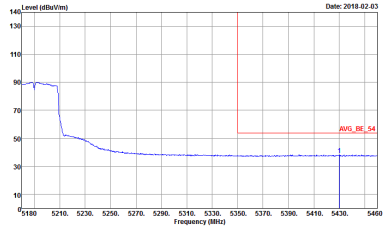
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

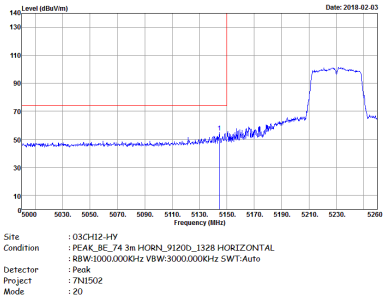
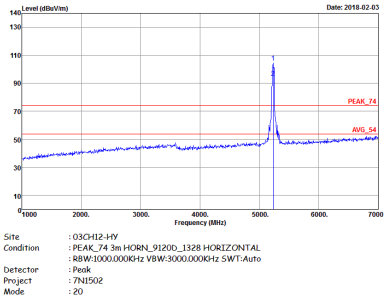
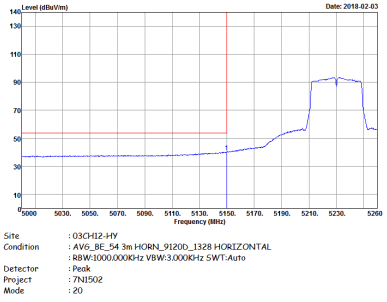
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

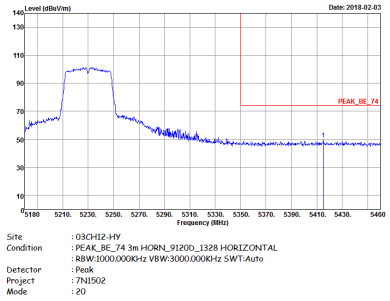
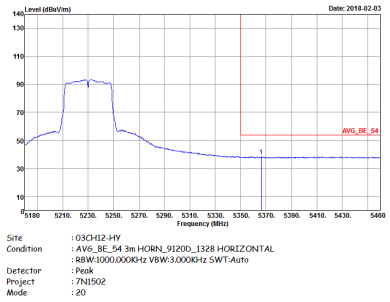
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5146.90 61.51 -12.49 74.00 54.87 31.79 5.99 31.14 241 64 Peak	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 * 5190.00 104.24 30.24 74.00 97.55 31.81 6.02 31.14 241 64 Peak 2 * 5190.00 93.39 39.39 54.00 86.70 31.81 6.02 31.14 241 64 Average
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5150.00 50.71 -3.29 54.00 44.07 31.79 5.99 31.14 241 64 Average	Left blank

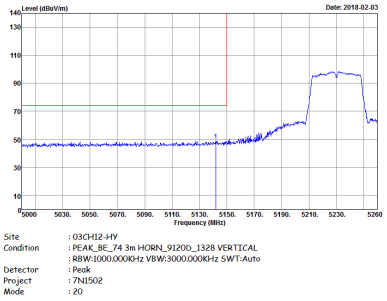
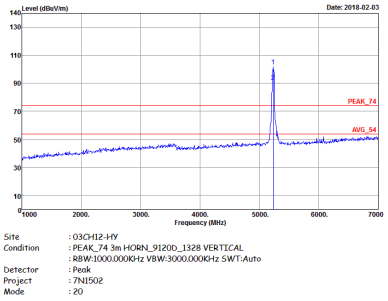
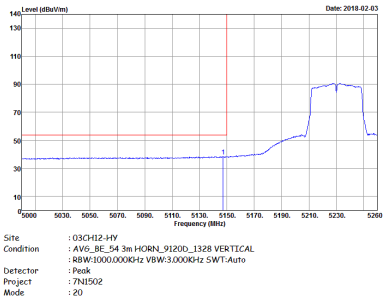
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5422.20 48.61 -25.39 74.00 41.63 31.95 6.18 31.15 241 64 Peak	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5404.56 38.16 -15.84 54.00 31.21 31.94 6.16 31.15 241 64 Average	Left blank

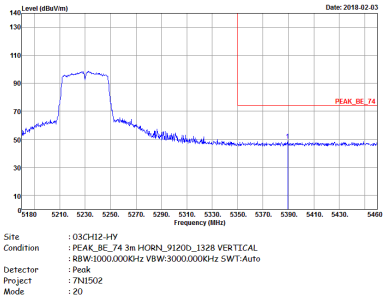
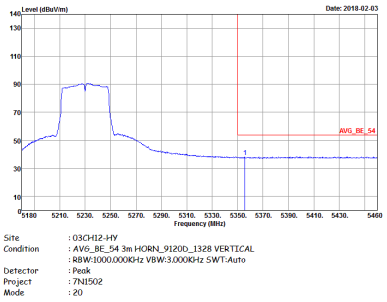
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5148.46 55.88 -18.12 74.00 49.24 31.79 5.99 31.14 299 55 Peak	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 5190.00 101.43 27.43 74.00 94.74 31.81 6.02 31.14 299 55 Peak 2 * 5190.00 90.78 36.78 54.00 84.09 31.81 6.02 31.14 299 55 Average
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5150.00 45.91 -8.09 54.00 39.27 31.79 5.99 31.14 299 55 Average	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5445.44 49.52 -24.48 74.00 42.52 31.96 6.19 31.15 299 55 Peak	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 19 Setting : 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5430.32 38.29 -15.71 54.00 31.29 31.96 6.19 31.15 299 55 Average	Left blank

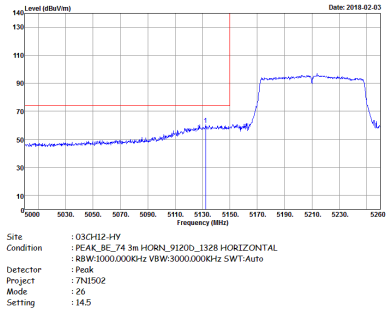
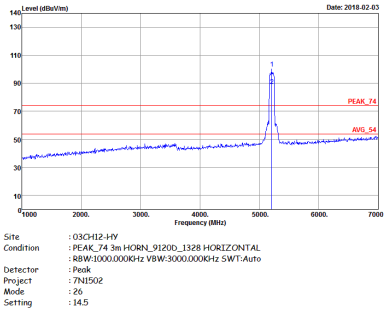
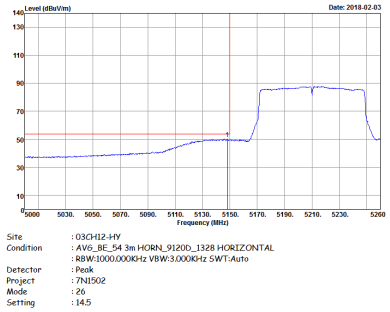
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

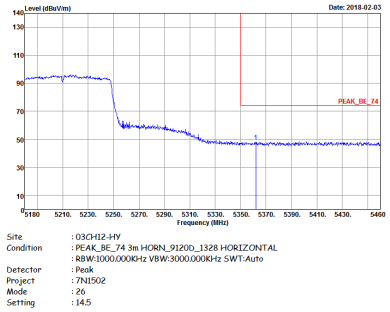
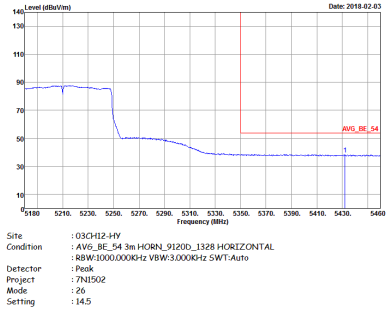
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

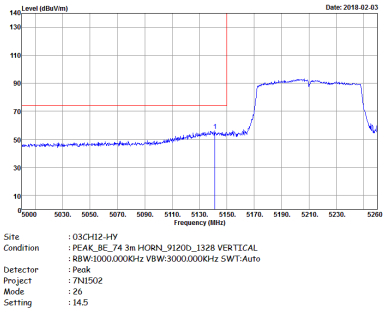
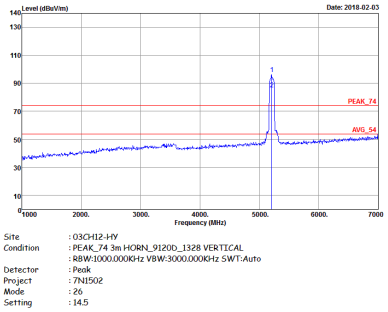
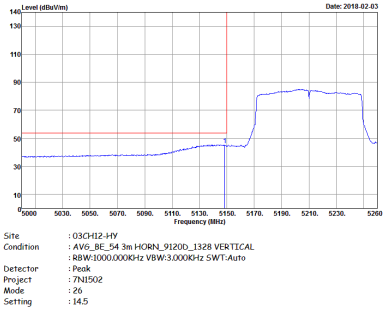
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

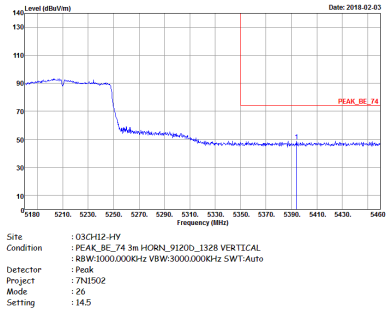
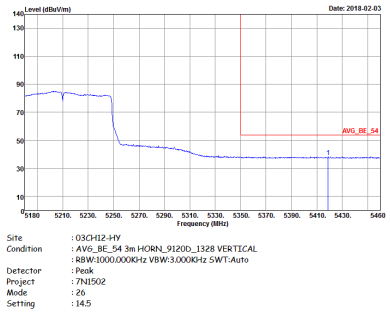
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

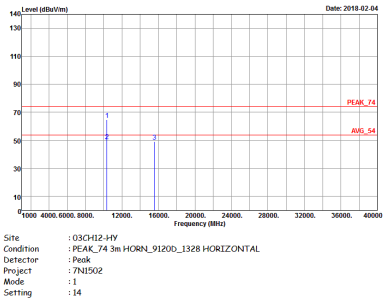
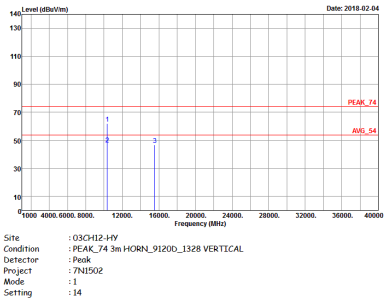
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

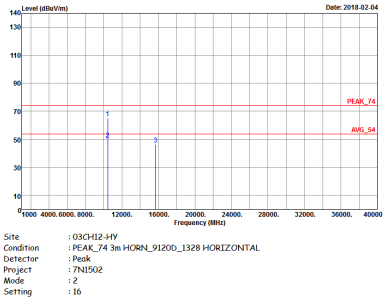
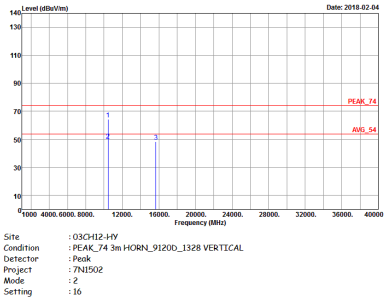
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

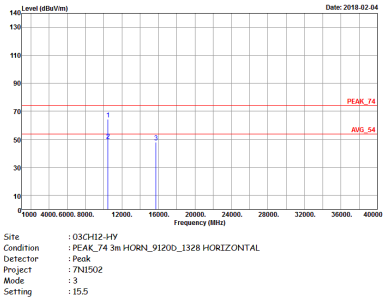
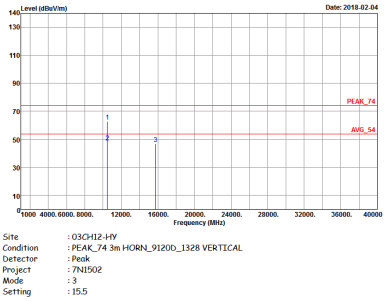
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

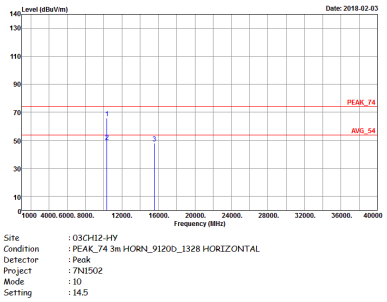
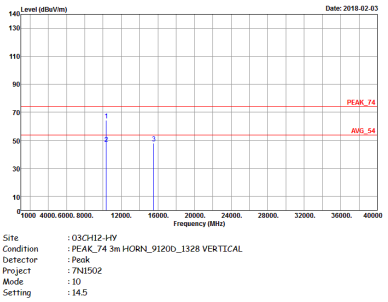
WIFI 802.11a (Harmonic @ 3m)

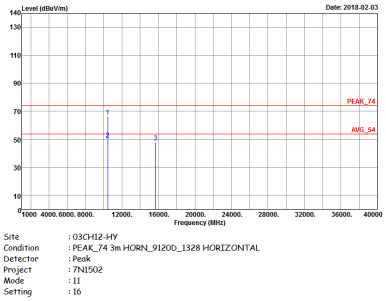
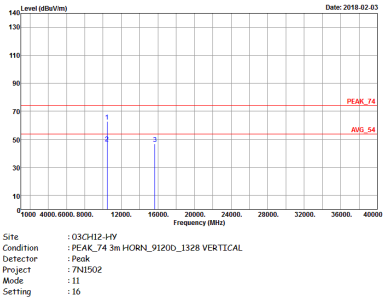
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

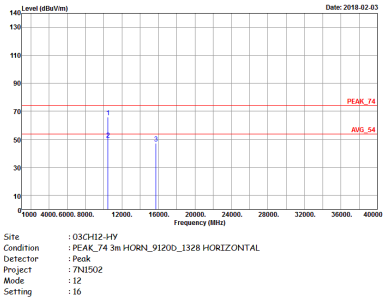
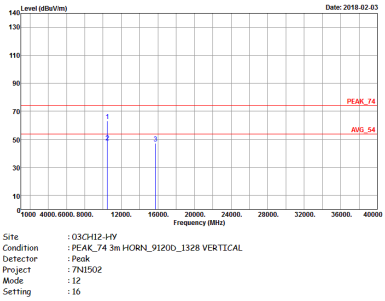
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

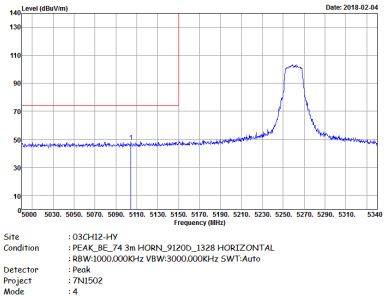
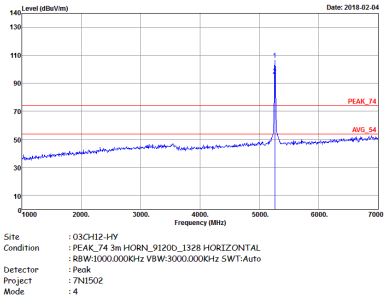
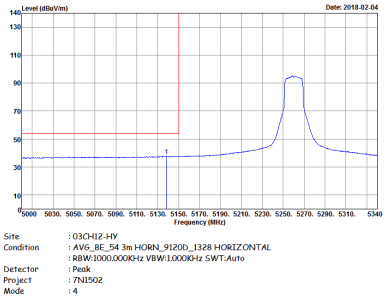
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

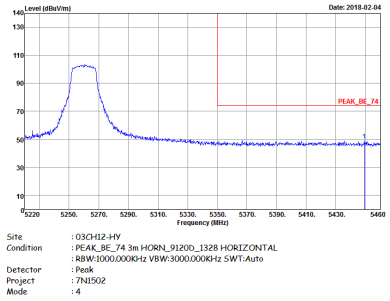
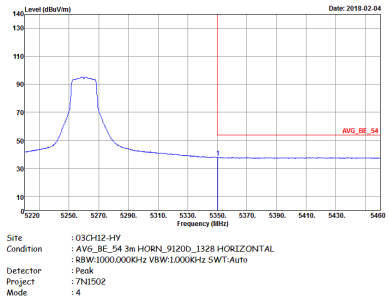
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

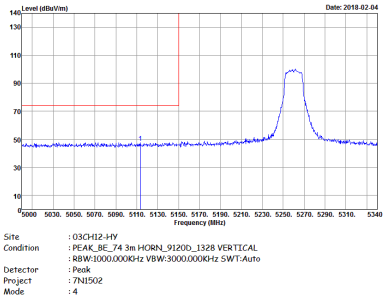
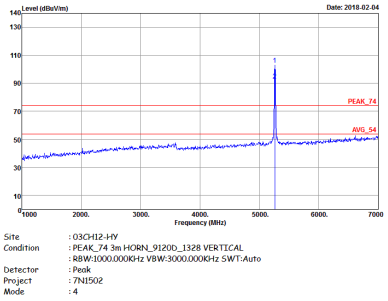
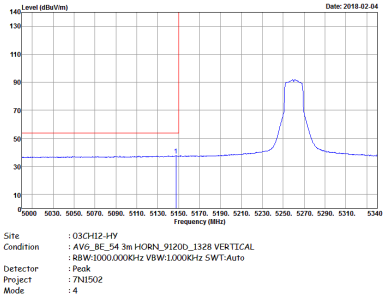
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

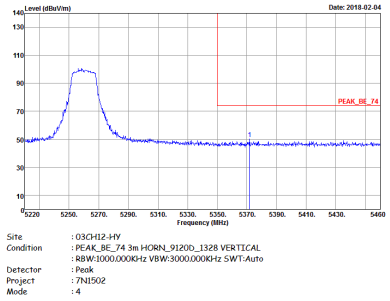
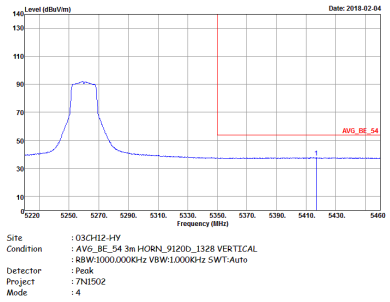
Band 2 - 5250~5350MHz

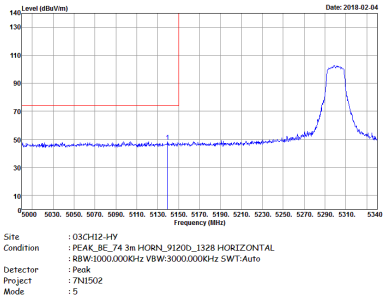
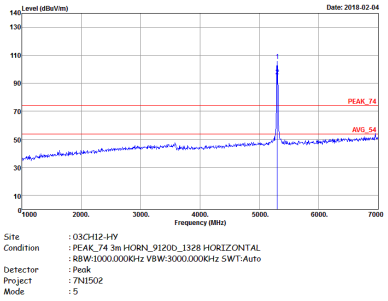
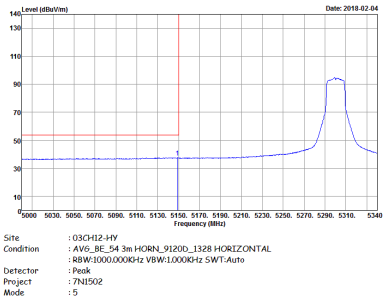
WIFI 802.11a (Band Edge @ 3m)

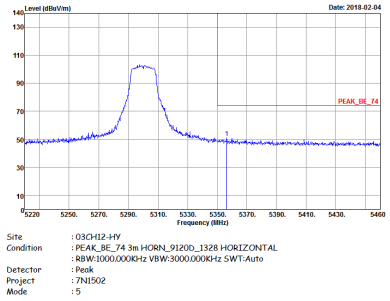
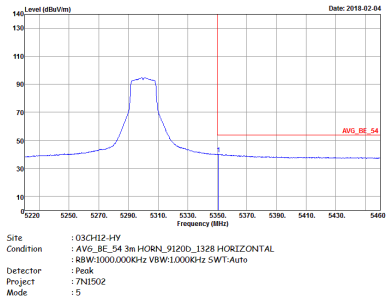
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

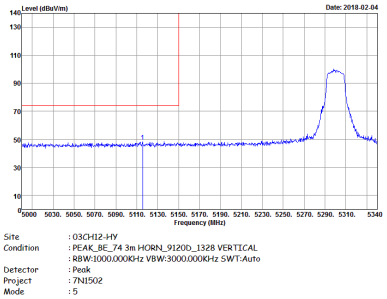
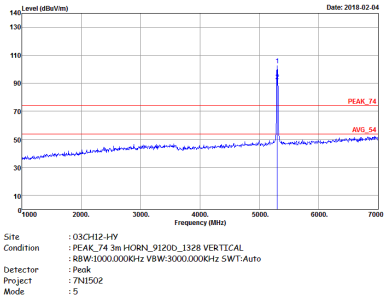
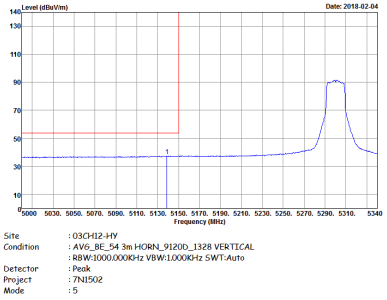
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

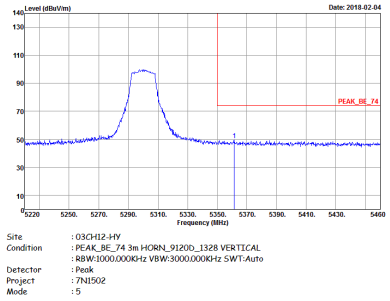
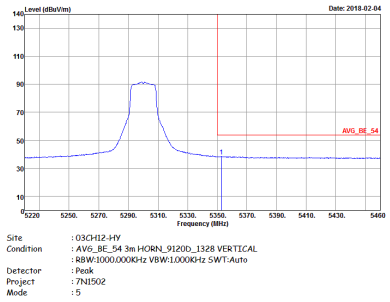
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

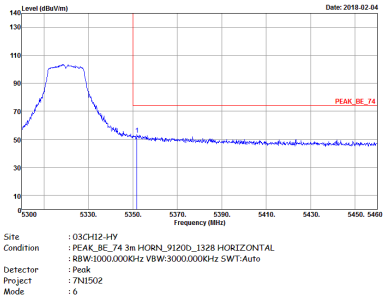
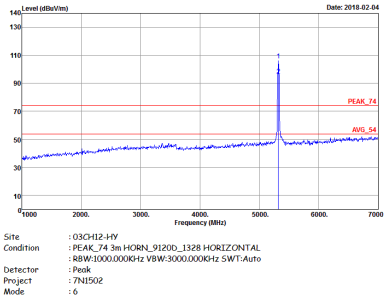
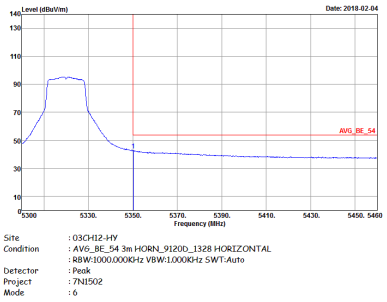
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

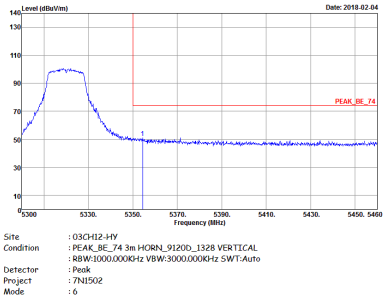
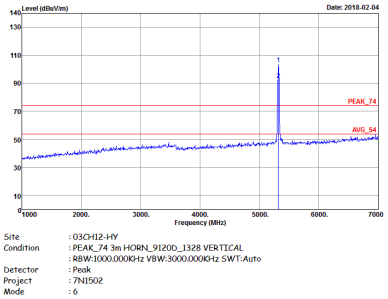
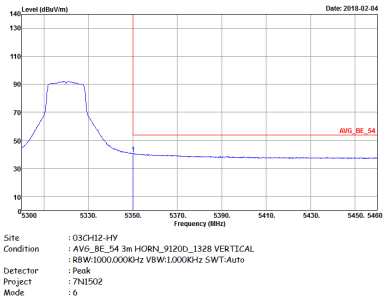
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

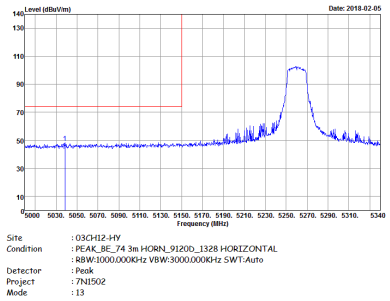
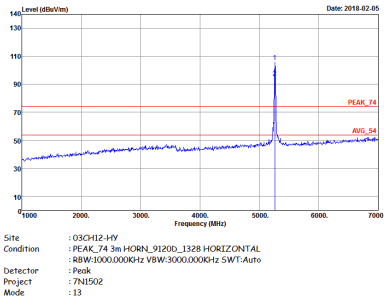
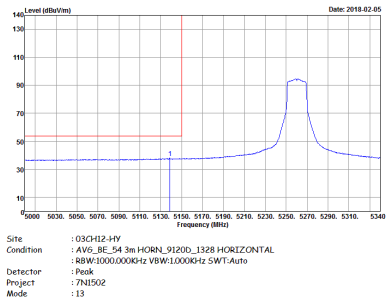
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

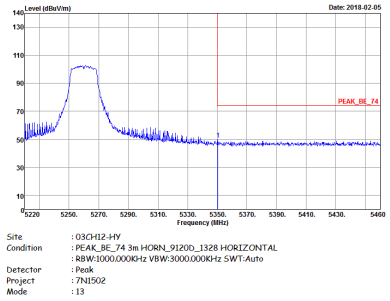
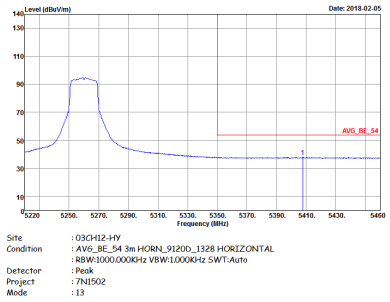
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

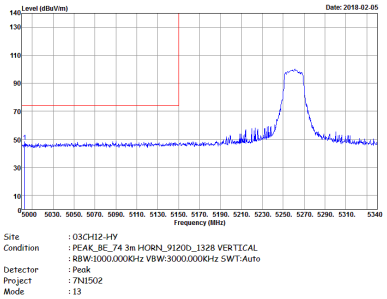
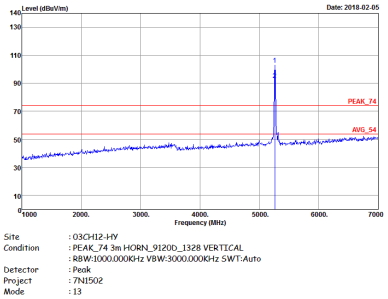
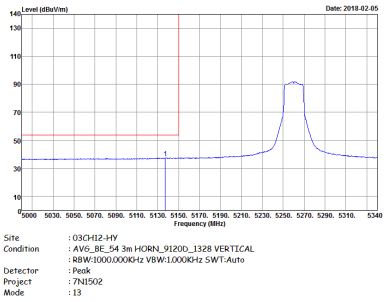
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

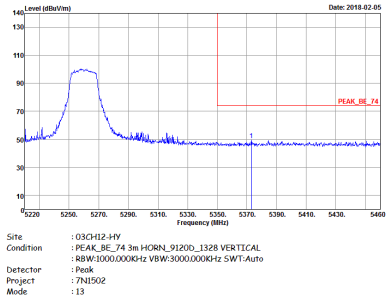
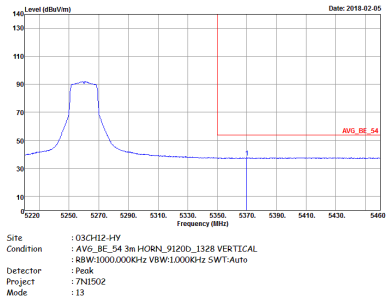
Band 2 5250~5350MHz

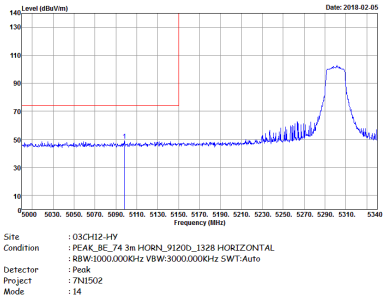
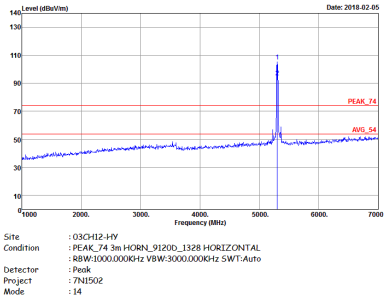
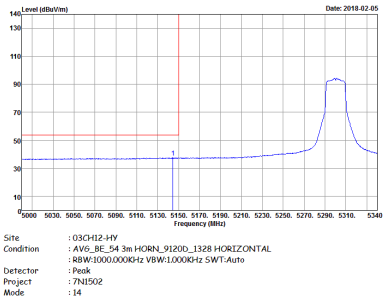
WIFI 802.11n HT20 (Band Edge @ 3m)

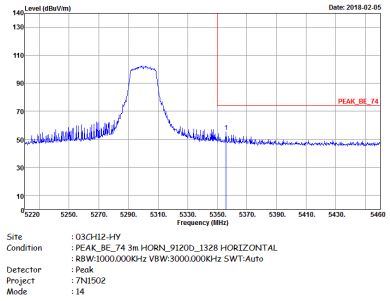
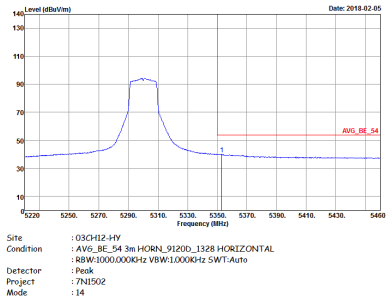
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

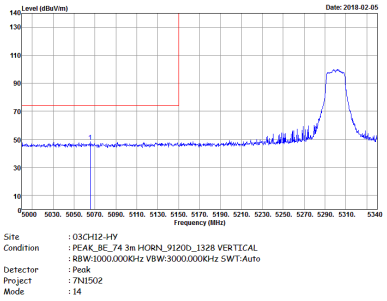
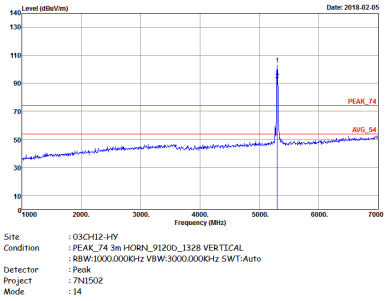
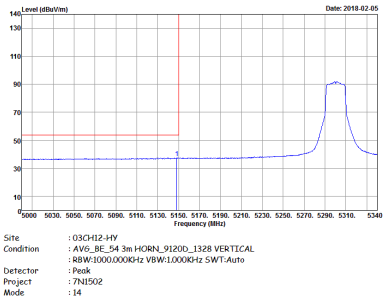
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

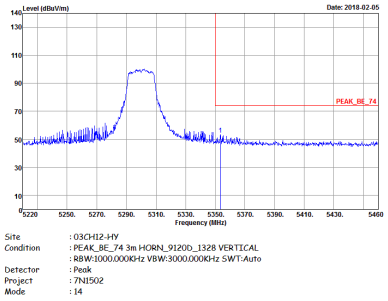
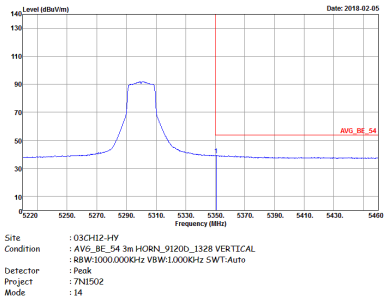
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

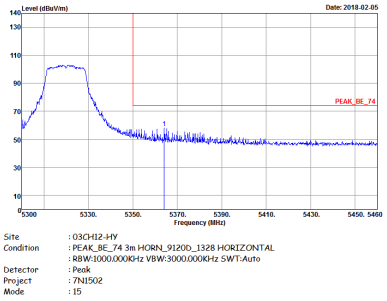
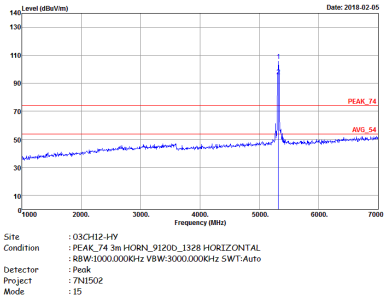
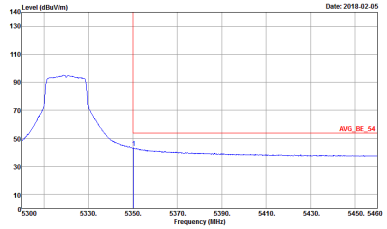
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

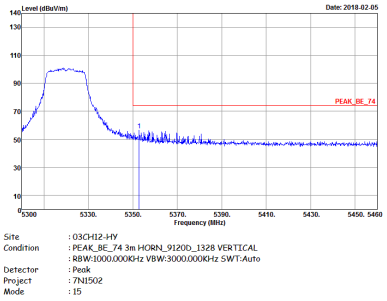
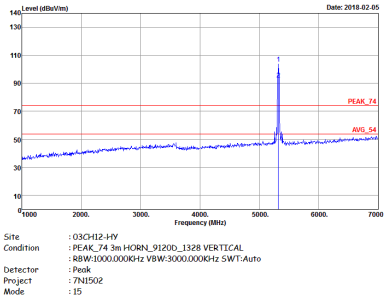
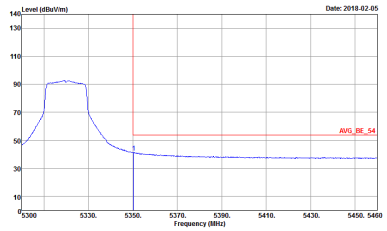
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

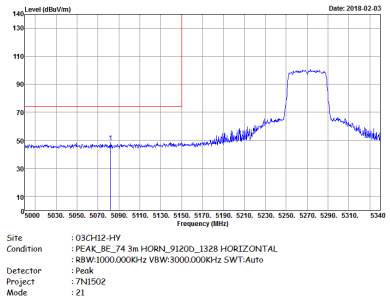
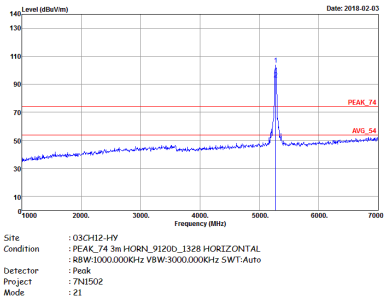
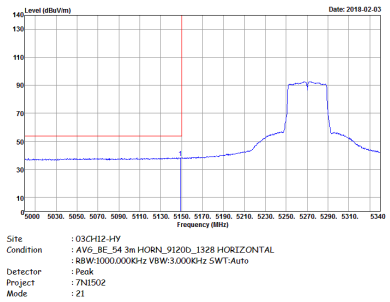
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

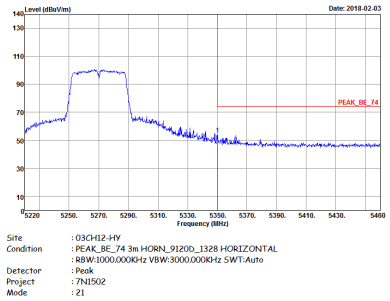
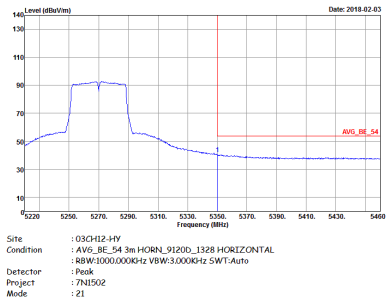
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

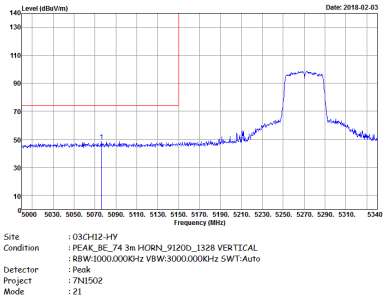
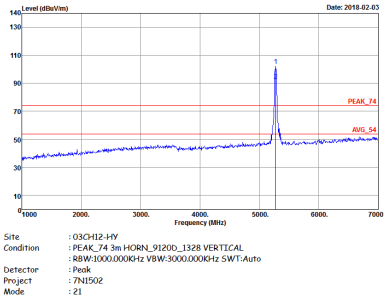
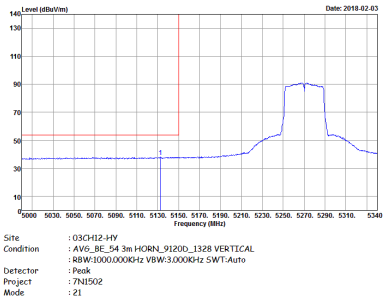
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 15	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 15	Left blank

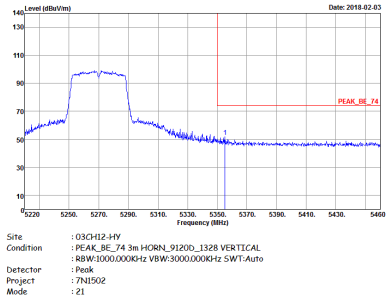
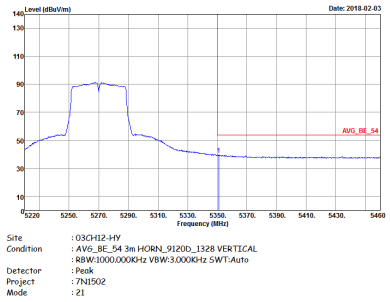
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 15	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 15	Left blank

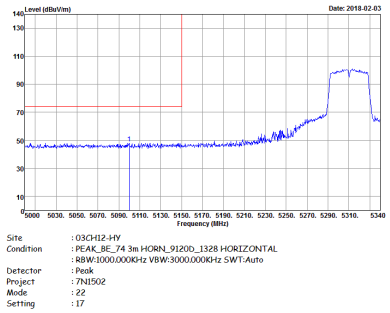
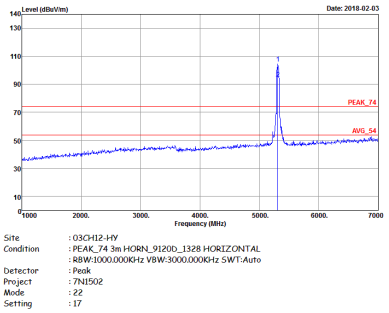
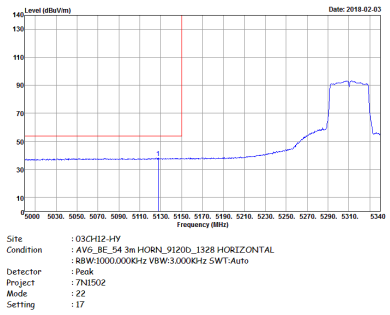
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

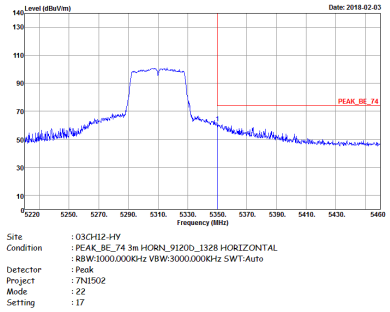
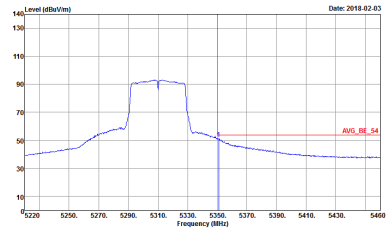
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

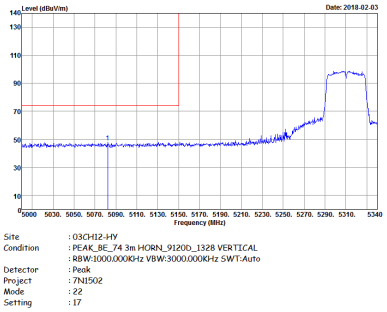
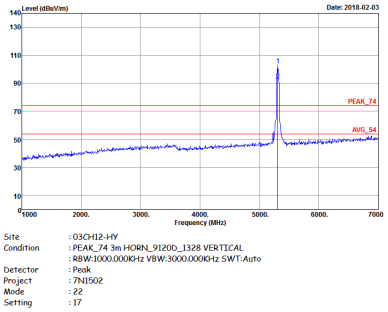
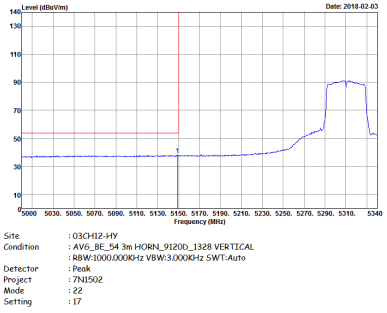
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

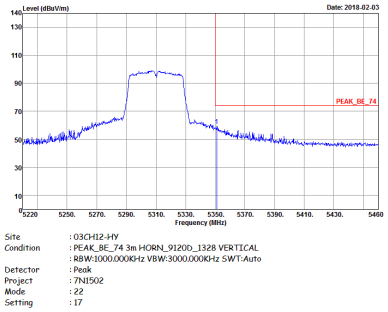
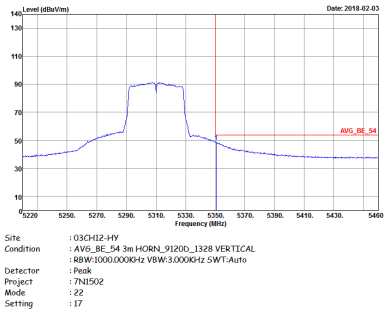
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

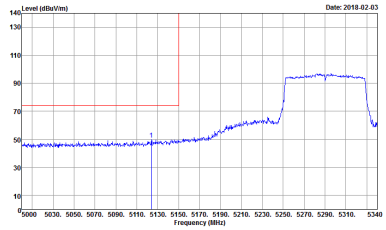
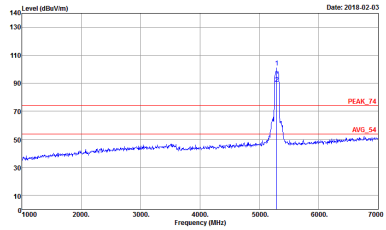
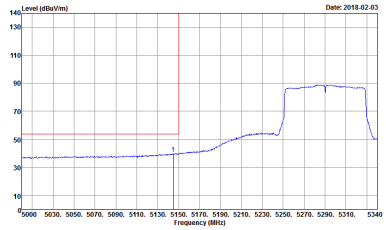
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

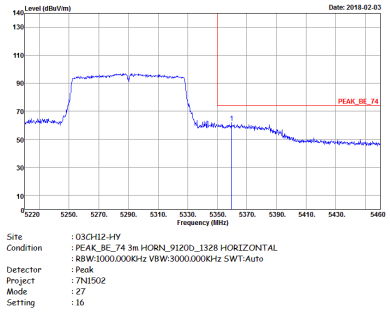
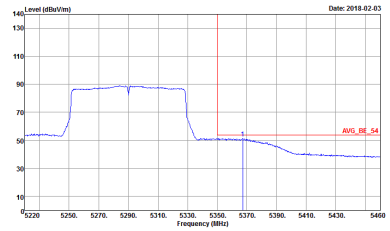
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 22 Setting : 17	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 22 Setting : 17	Left blank

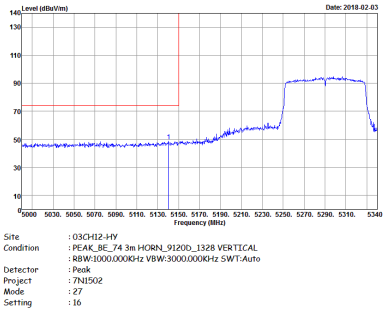
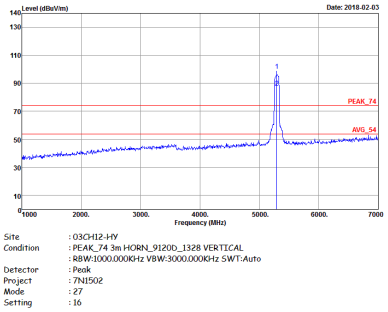
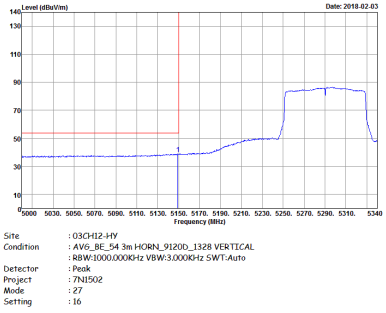
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

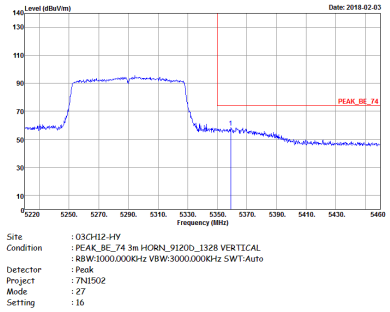
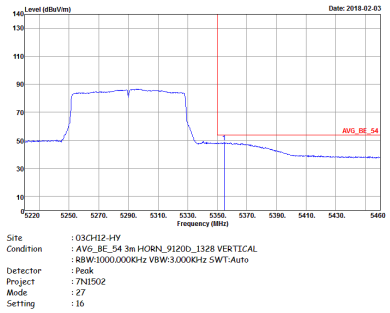
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 27 Setting : 16	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 27 Setting : 16
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 27 Setting : 16	Left blank

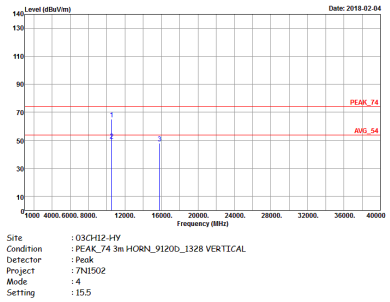
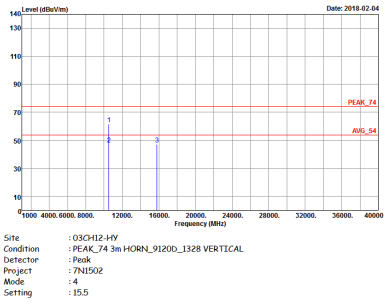
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 27 Setting : 16	Left blank
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 27 Setting : 16	Left blank

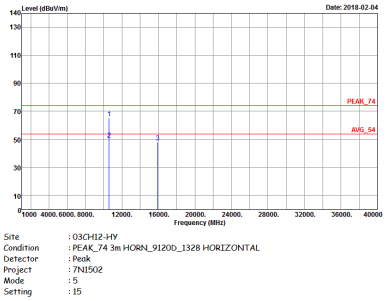
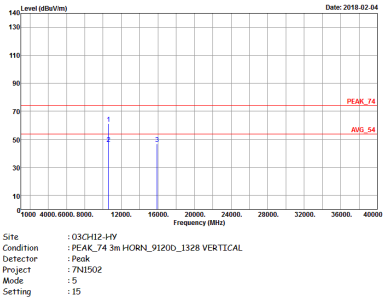
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

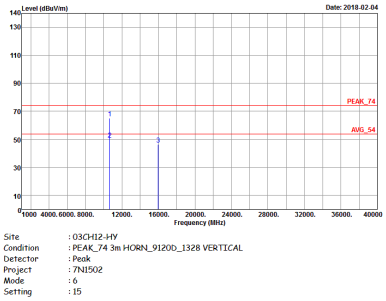
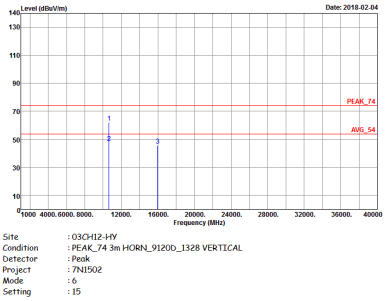
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

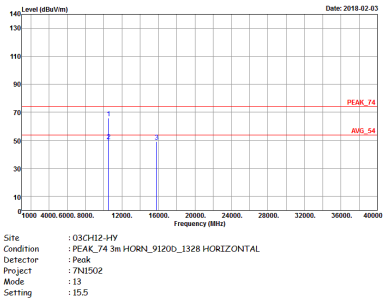
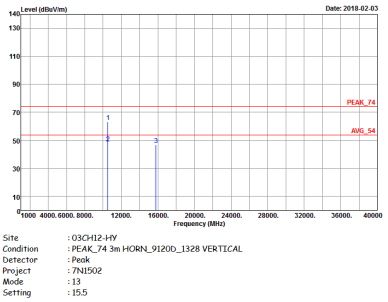
WIFI 802.11a (Harmonic @ 3m)

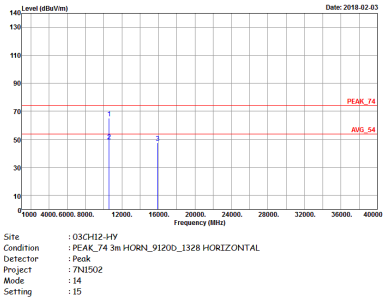
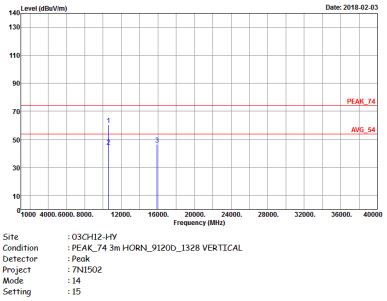
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

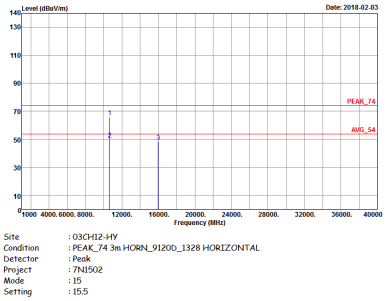
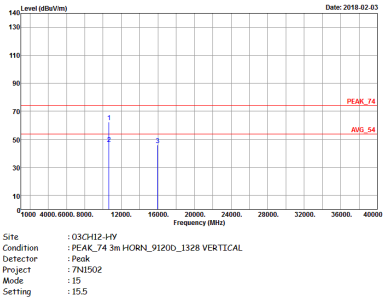
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

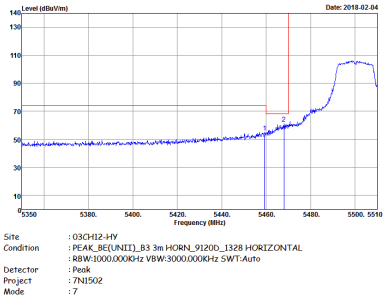
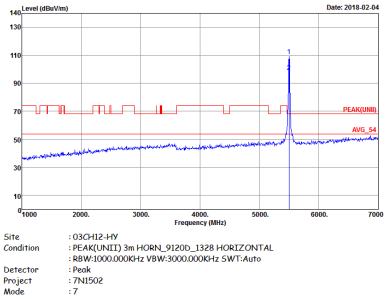
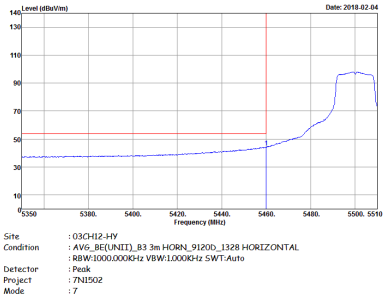
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

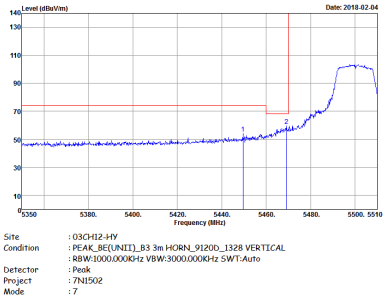
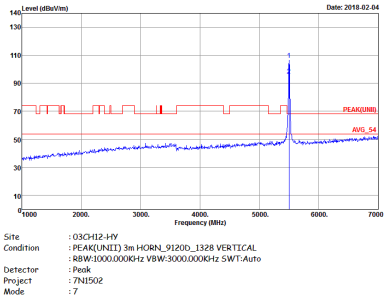
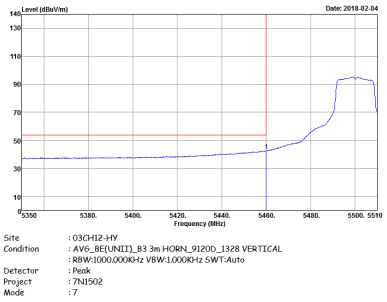
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

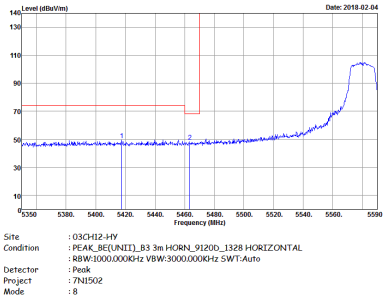
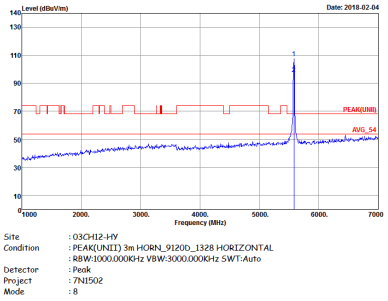
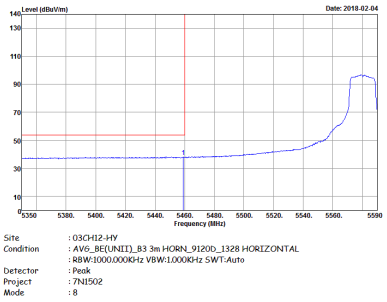
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

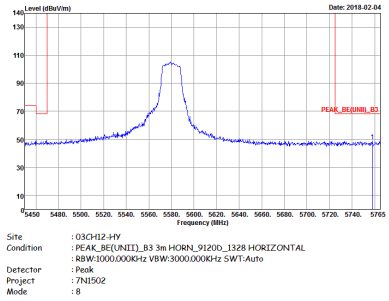
Band 3 - 5470~5725MHz

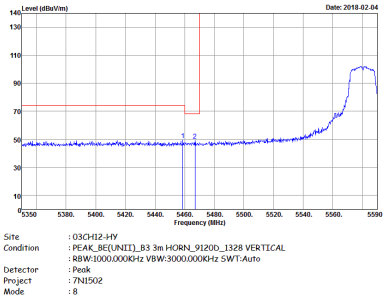
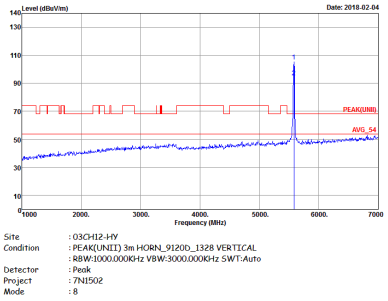
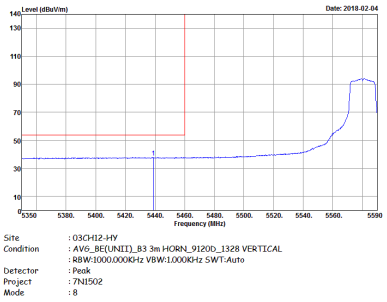
WIFI 802.11a (Band Edge @ 3m)

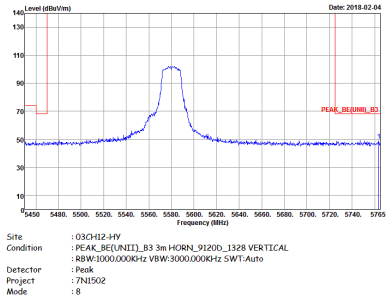
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

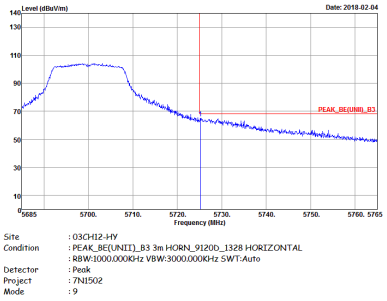
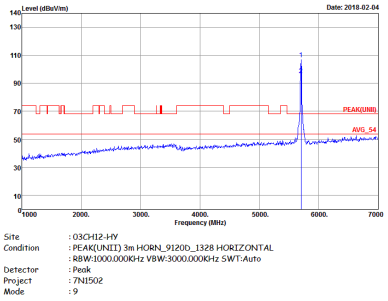
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

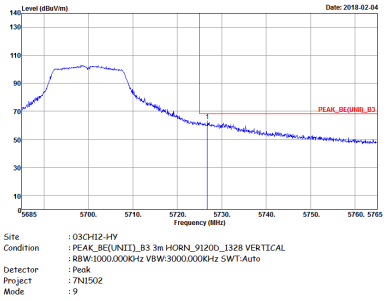
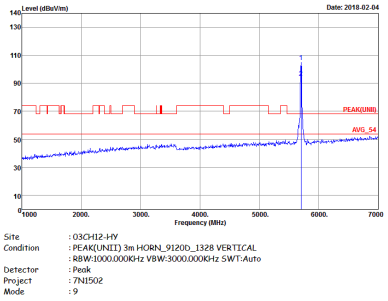
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

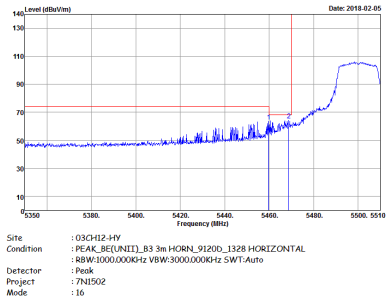
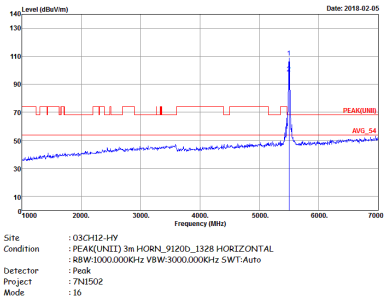
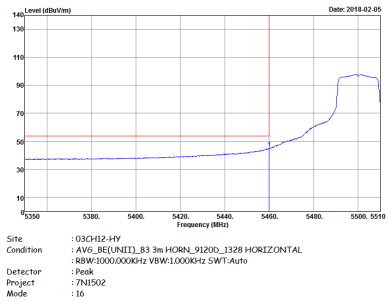
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

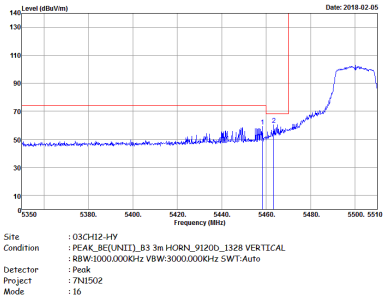
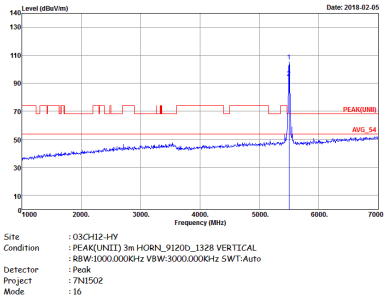
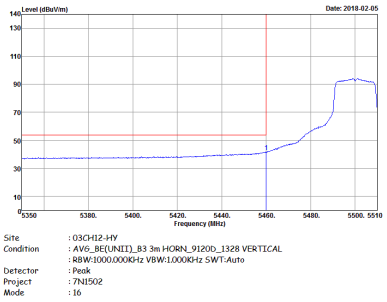
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

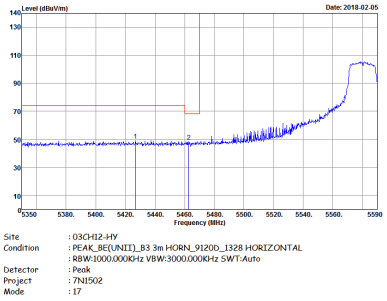
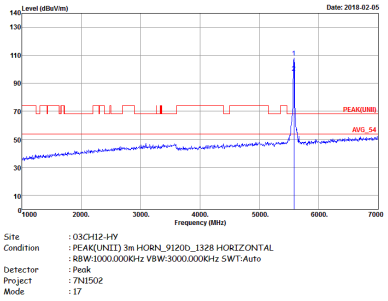
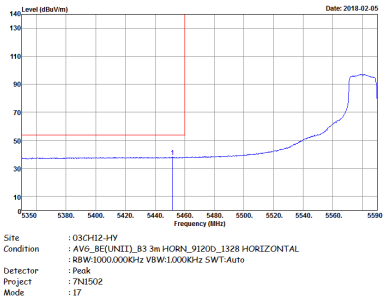
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

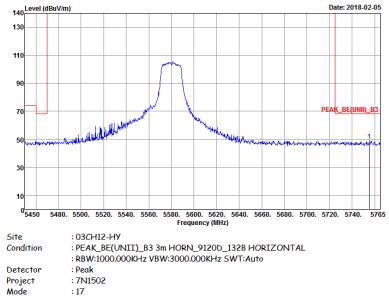
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

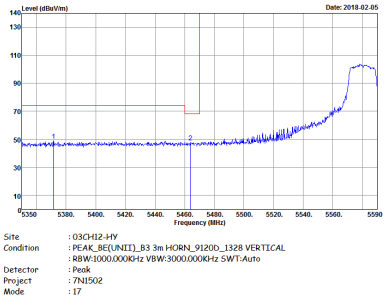
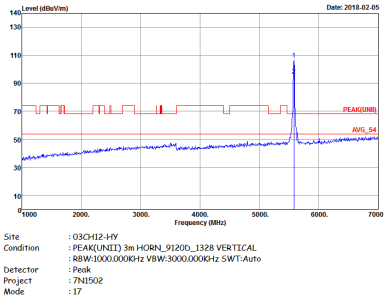
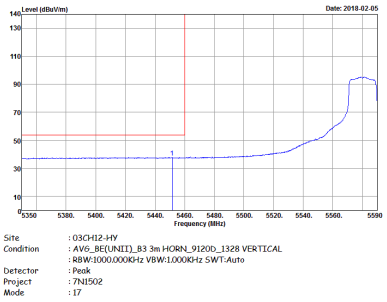
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

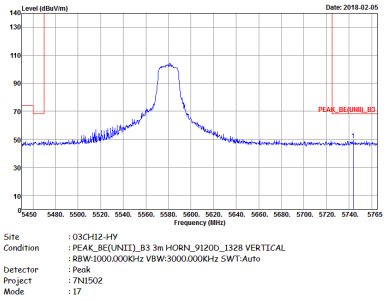
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

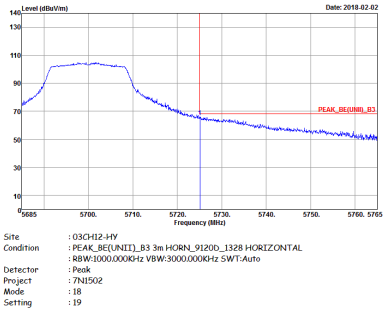
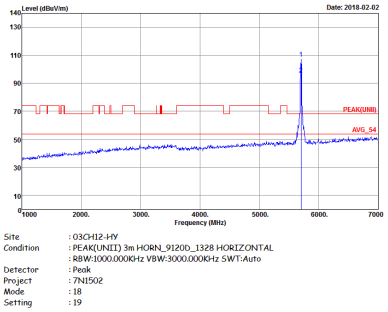
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

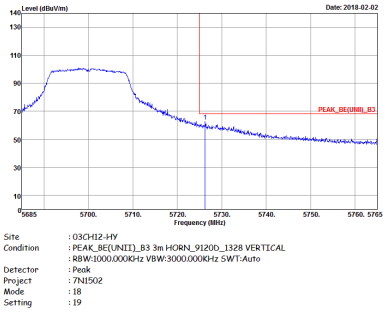
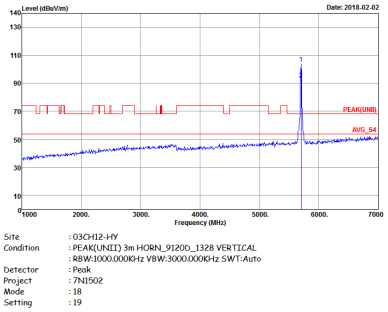
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

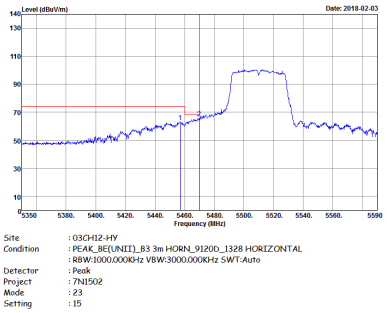
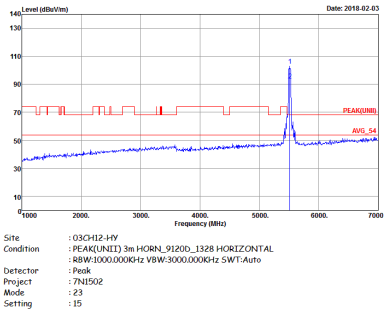
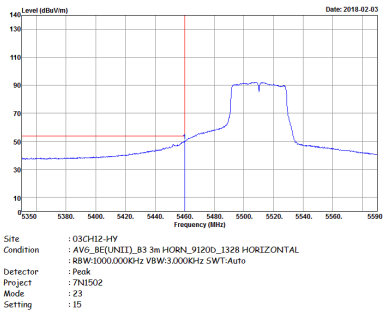
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

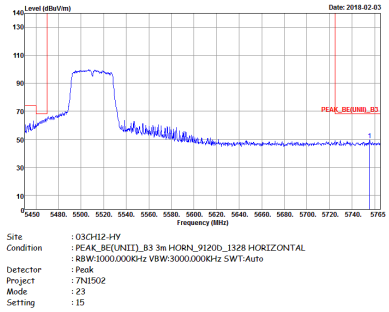
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

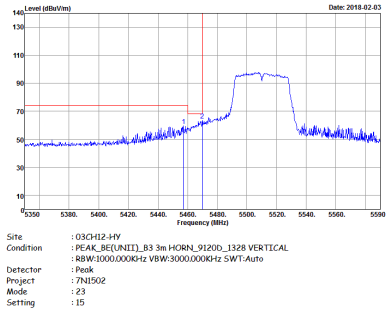
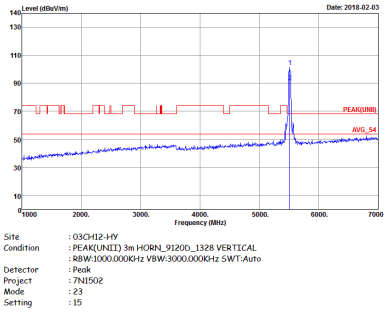
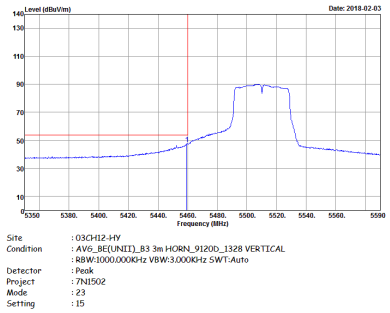
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

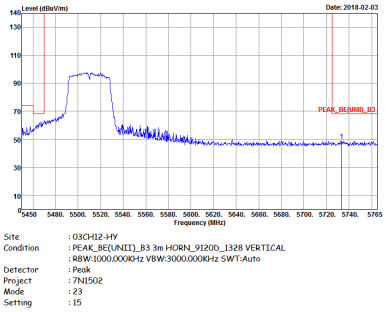
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 18 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 7N1502 Mode : 18 Setting : 19

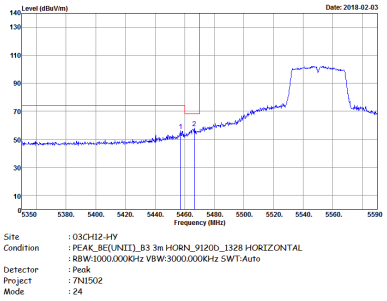
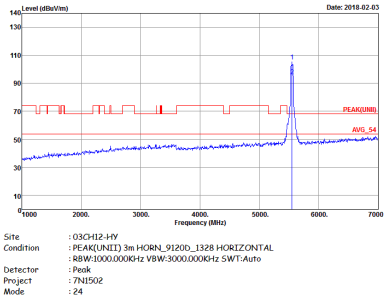
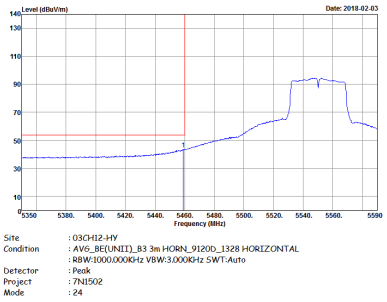
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

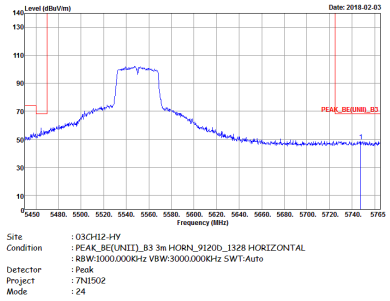
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

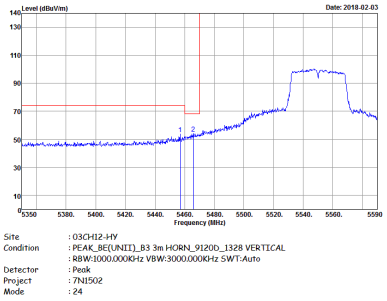
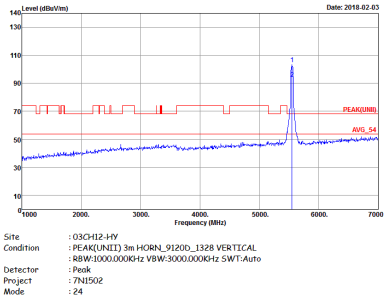
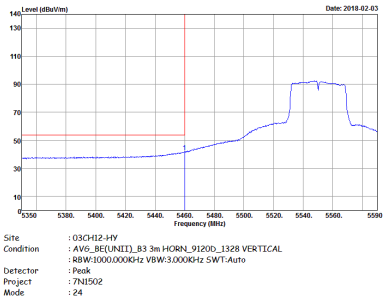
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

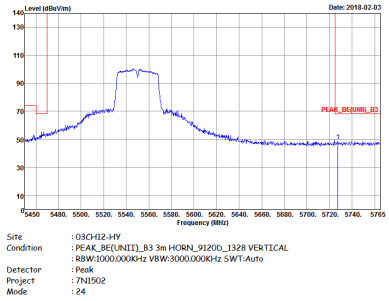
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

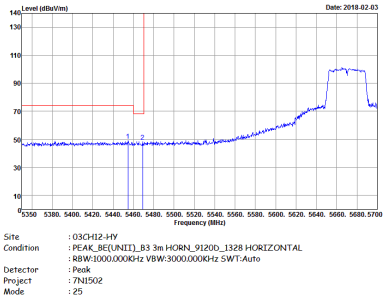
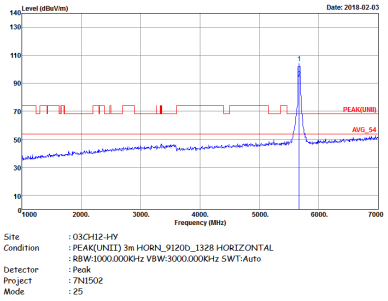
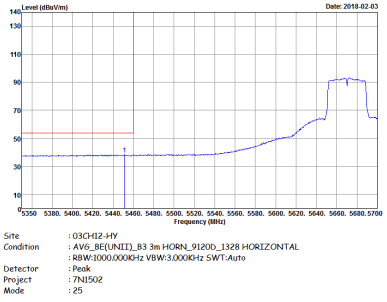
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

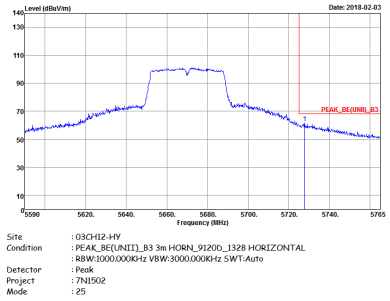
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

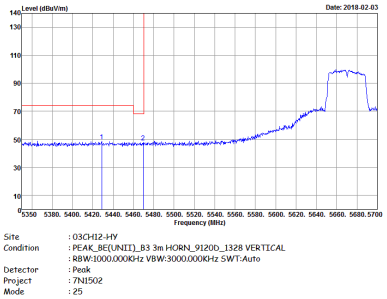
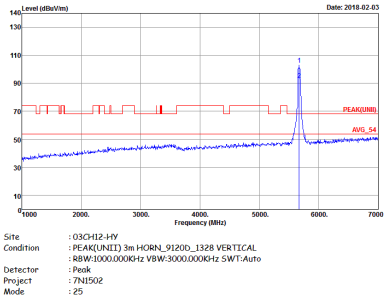
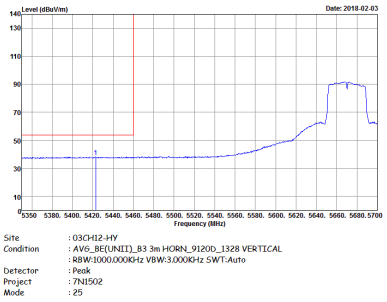
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

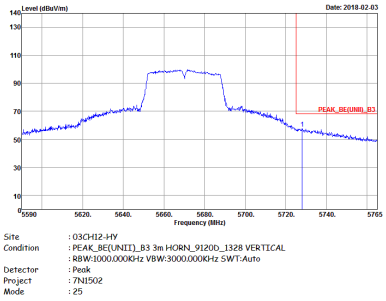
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

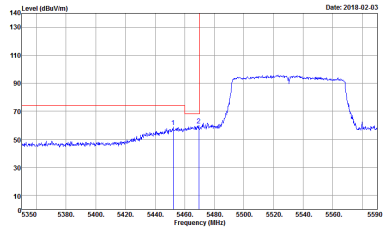
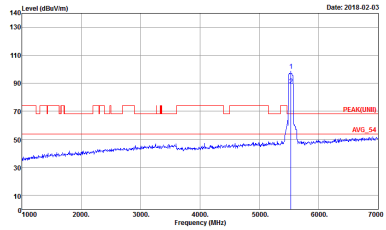
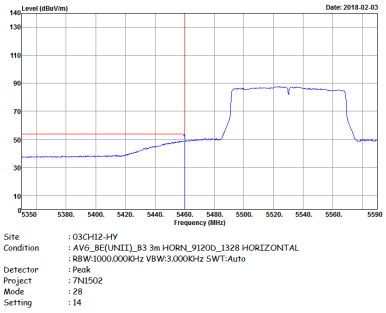
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

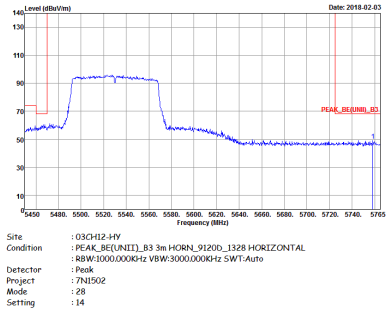
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

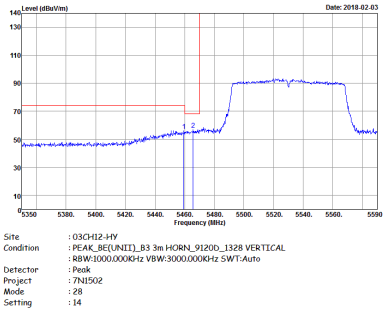
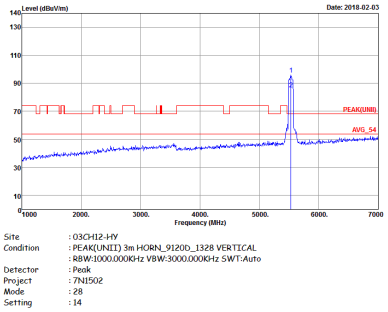
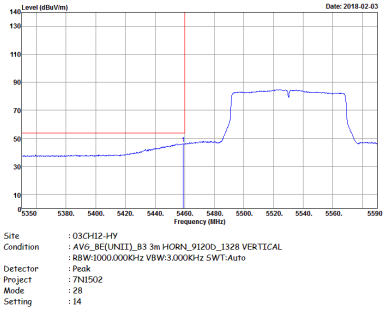
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

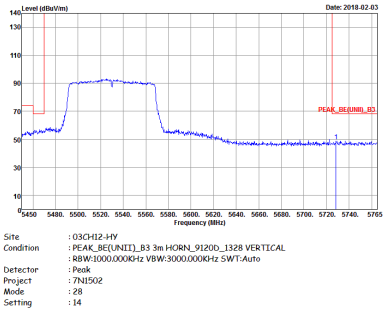
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

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

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

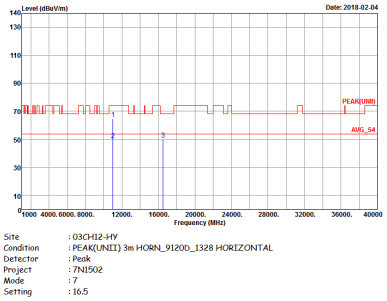
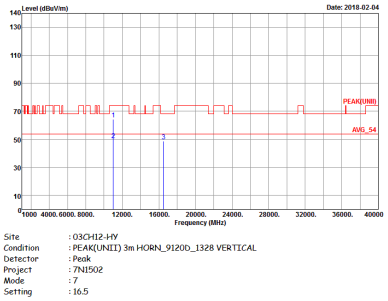
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

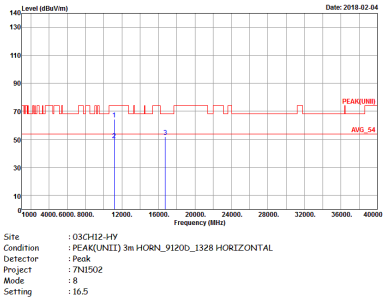
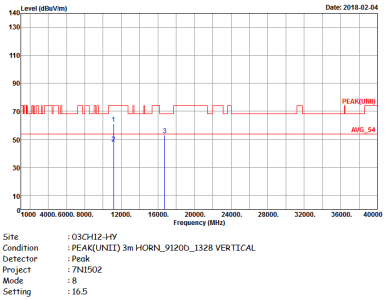
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

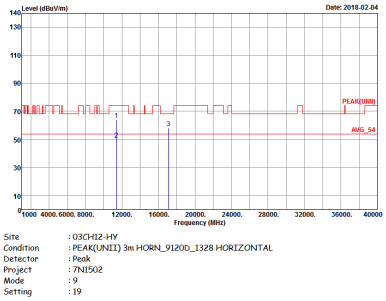
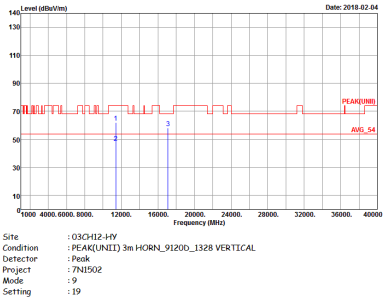
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

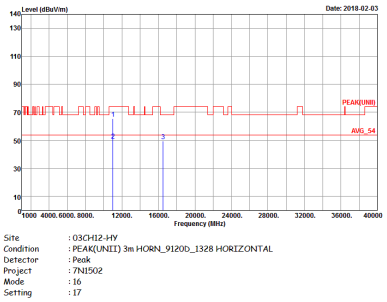
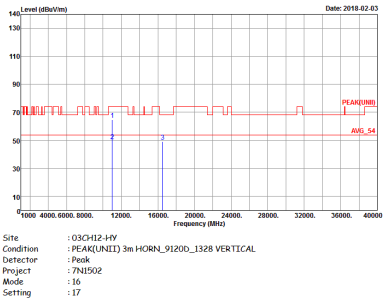
WIFI 802.11a (Harmonic @ 3m)

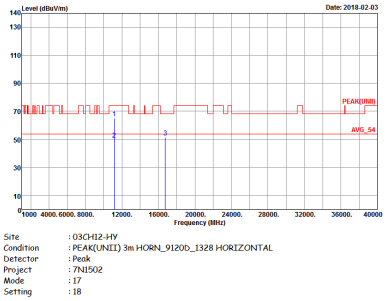
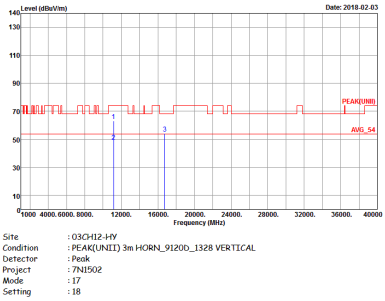
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

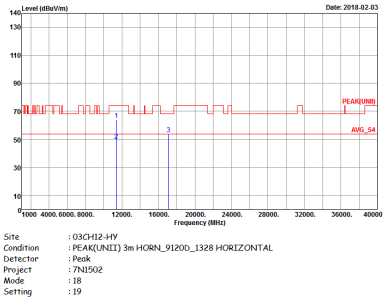
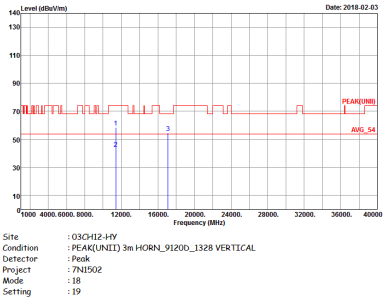
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 7N1502 Mode : 8 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 7N1502 Mode : 8 Setting : 16.5

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 7N1502 Mode : 9 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 7N1502 Mode : 9 Setting : 19

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

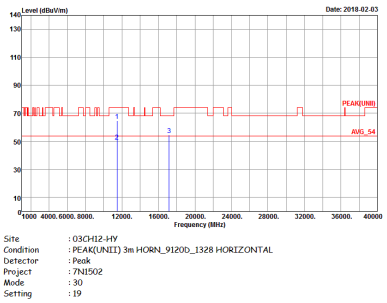
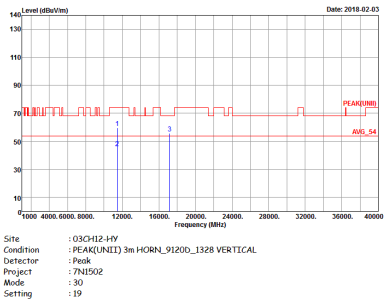
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 7N1502 Mode : 17 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 7N1502 Mode : 17 Setting : 18

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 7N1502 Mode : 18 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 7N1502 Mode : 18 Setting : 19

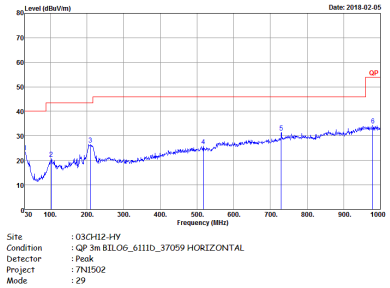
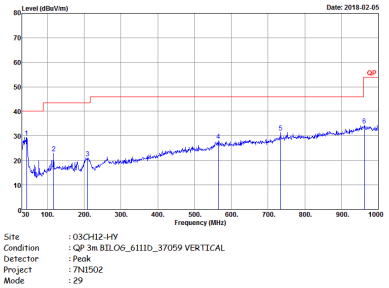
Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

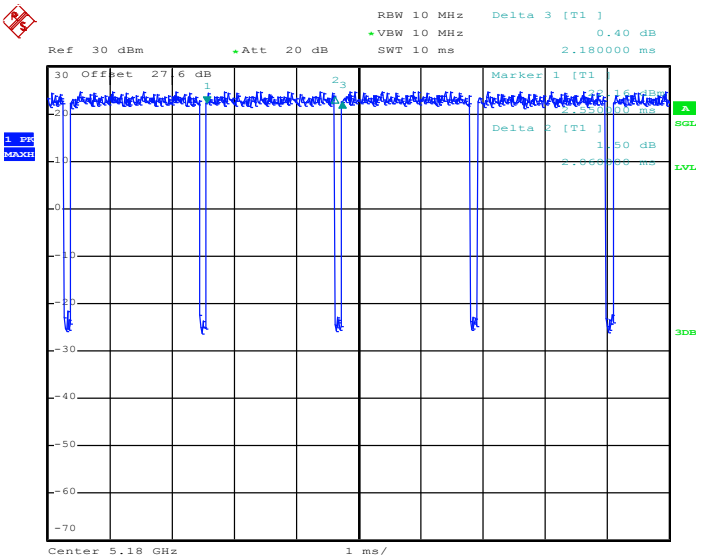
5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak		

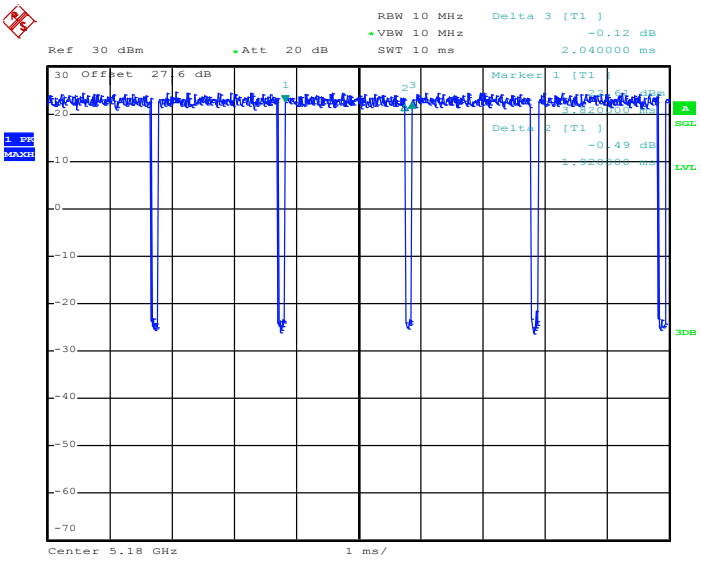
Appendix E. Duty Cycle Plots

Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor (dB)
802.11a	94.50	2060.00	0.49	1kHz	0.25
5GHz 802.11n HT20	94.12	1920.00	0.52	1kHz	0.26
5GHz 802.11n HT40	90.48	950.00	1.05	3kHz	0.43
5GHz 802.11ac VHT20	94.12	1920.00	0.52	1kHz	0.26
5GHz 802.11ac VHT40	89.62	950.00	1.05	3kHz	0.48
5GHz 802.11ac VHT80	89.16	740.00	1.35	3kHz	0.50

802.11a

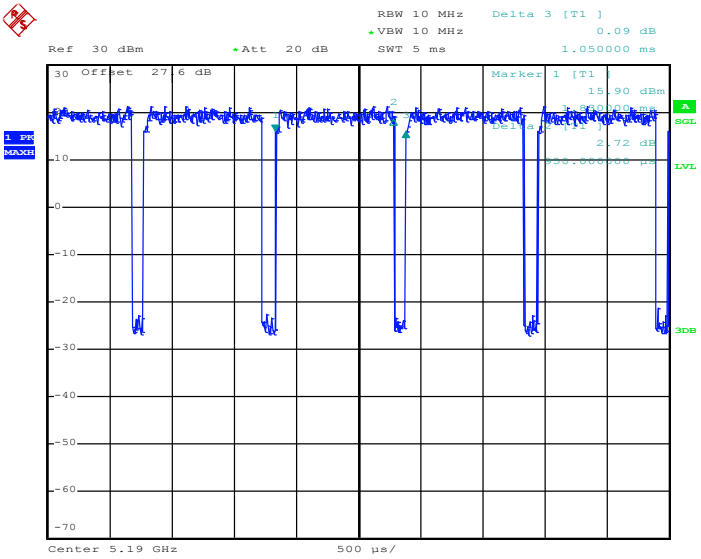


802.11n HT20



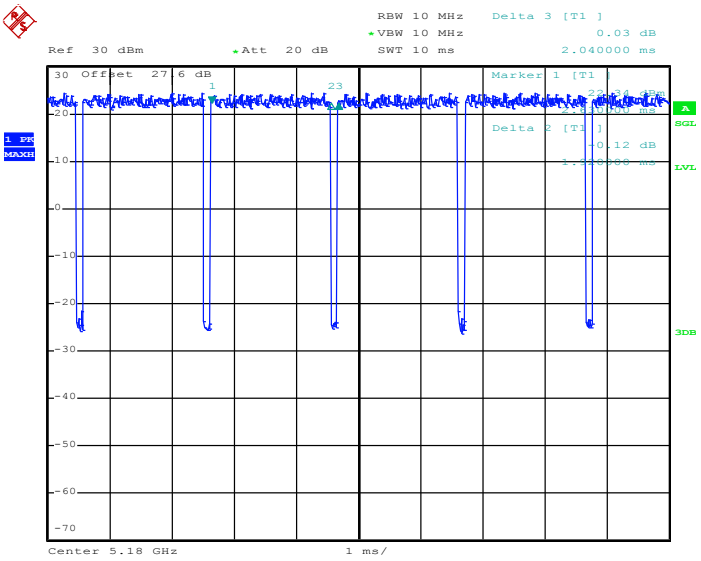
Date: 30.JAN.2018 00:41:00

802.11n HT40



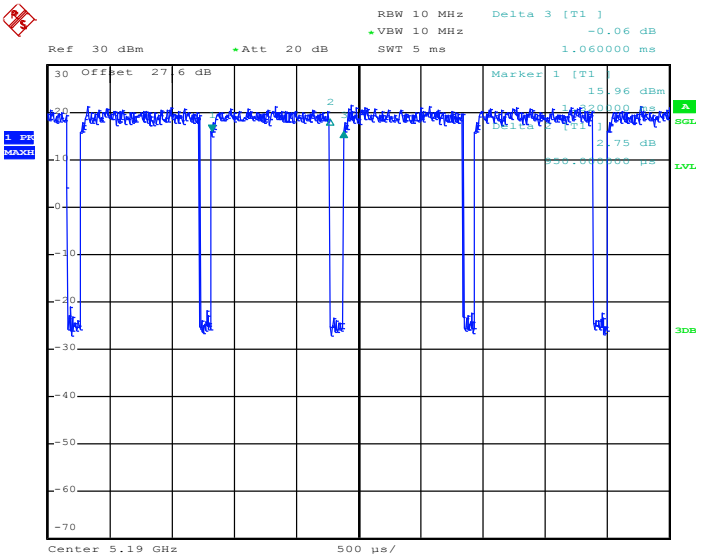
Date: 30.JAN.2018 00:45:58

802.11ac VHT20



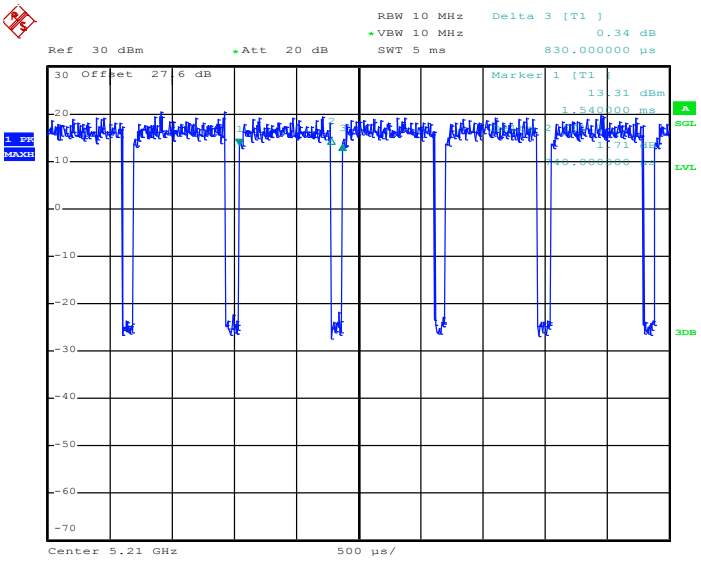
Date: 30.JAN.2018 00:42:04

802.11ac VHT40



Date: 30.JAN.2018 00:44:43

802.11ac VHT80



Date: 30.JAN.2018 00:51:22