FCC RF Test Report

APPLICANT	:	Huawei Technologies Co., Ltd
EQUIPMENT	:	smart phone
BRAND NAME	:	honor
MODEL NAME	:	BKL-L04
FCC ID	:	QISBKL-L04
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Jan. 30, 2018 and testing was completed on Feb. 28, 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

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
FR813035D	Rev. 01	Initial issue of report	Mar. 02, 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 6.34 dB at 5350.560 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 13.12 dB at 0.198 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

Huawei Technologies Co., Ltd
Administration Building, Headquarters of Huawei Technologies Co., Ltd.,Bantian, Longgang District, Shenzhen, 518129, P.R.C

1.2 Manufacturer

Huawei Technologies Co., Ltd
Administration Building, Headquarters of Huawei Technologies Co., Ltd.,Bantian, Longgang District, Shenzhen, 518129, P.R.C

1.3 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WWAN: <Up Ant.>: PIFA Antenna <Down Ant.>: PIFA Antenna WLAN: Left-hand Type Antenna Bluetooth: Left-hand Type Antenna GPS/Glonass/Galileo/BDS: Left-hand Type Antenna NFC: Loop Antenna

1.4 Modification of EUT

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

1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. 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.**
	03CH10-HY

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

1.6 Applicable Standards

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

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

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Earphone 1 + USB Cable (Charging from Adapter)

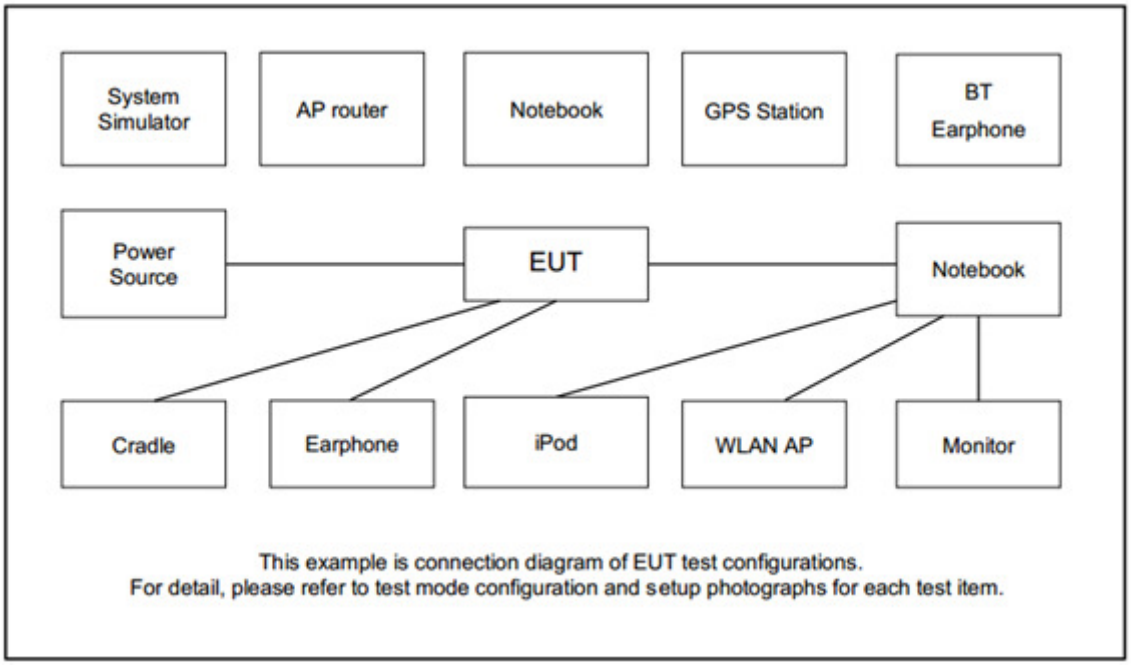
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “ADB” 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

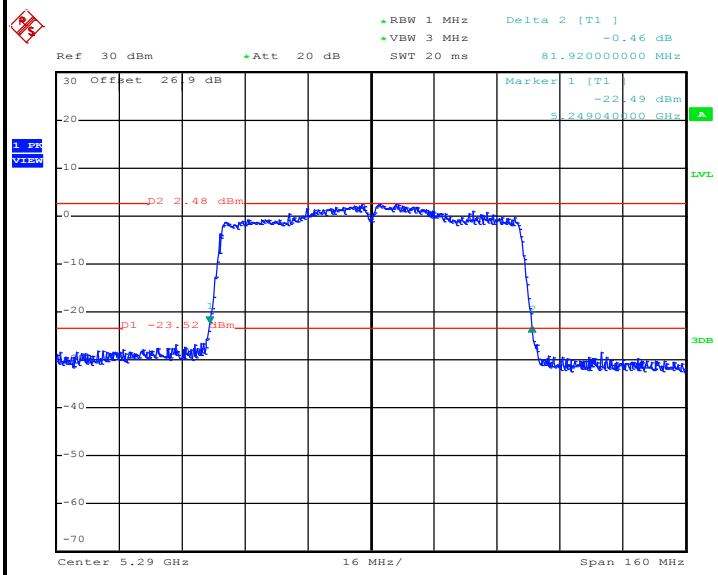
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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

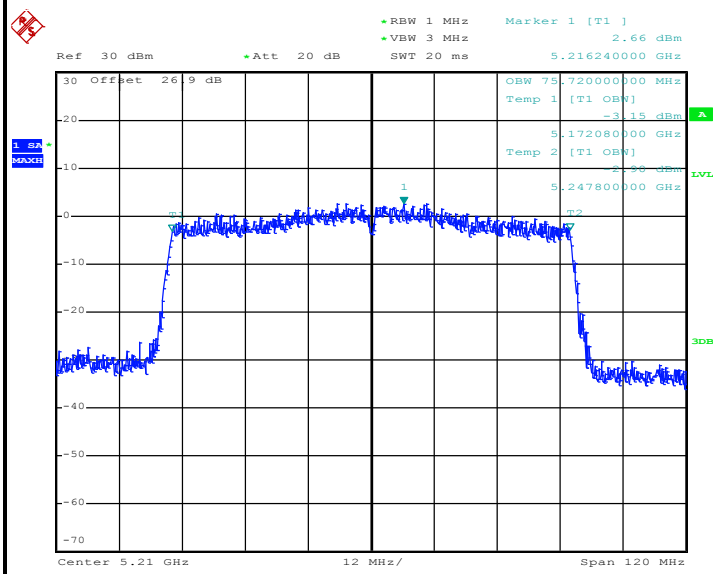
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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

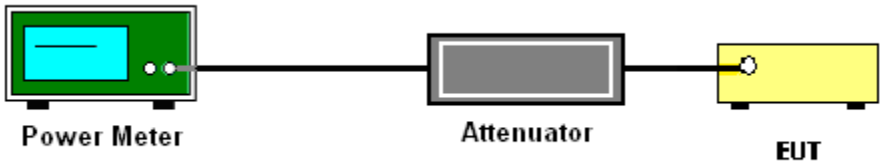
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

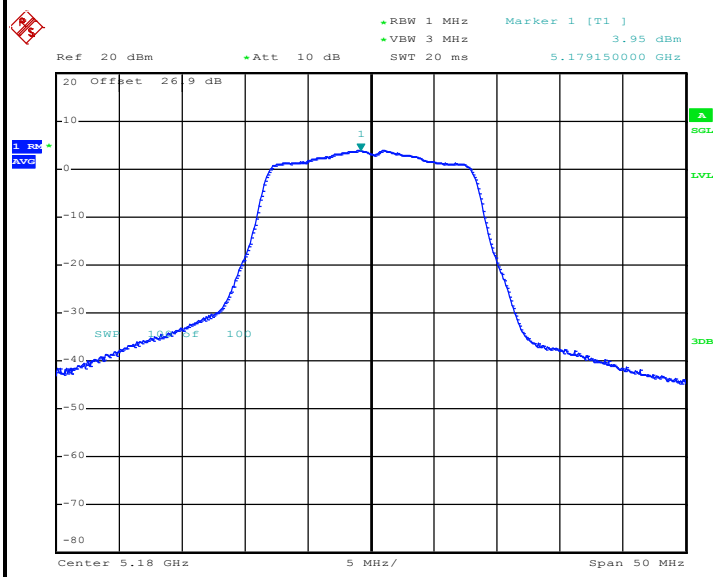
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

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

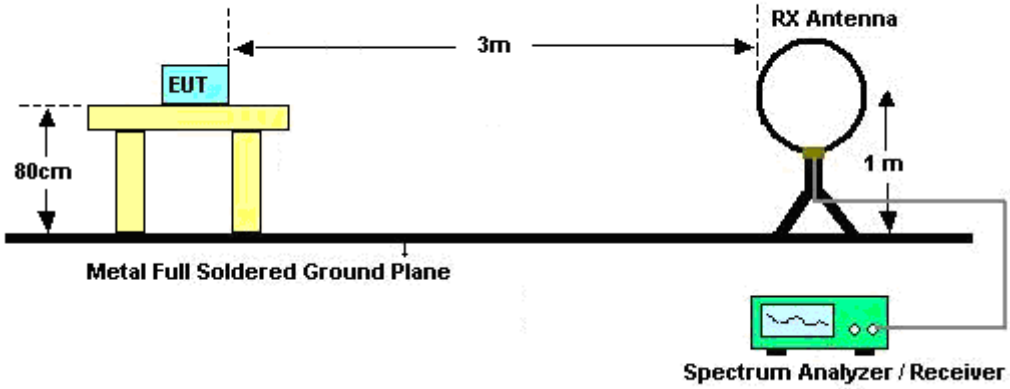
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - 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.

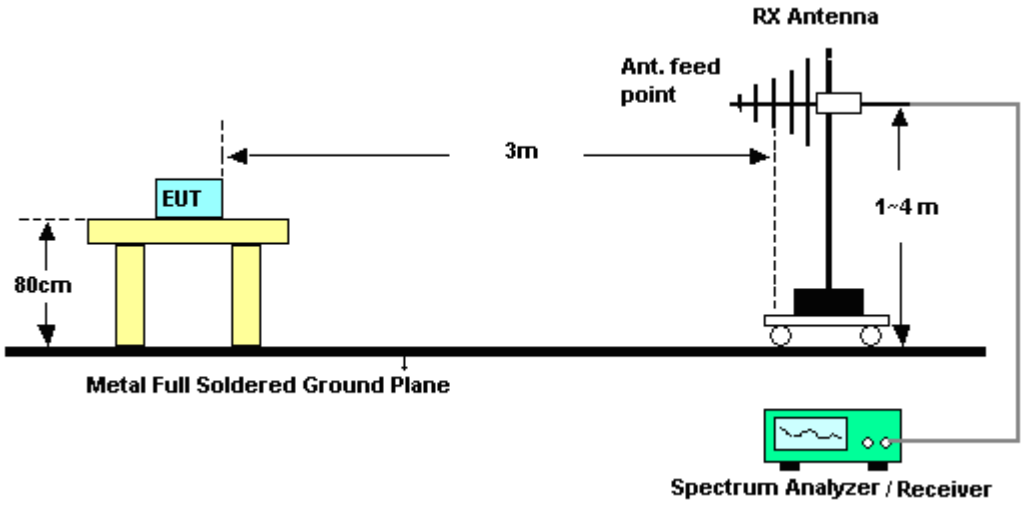
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

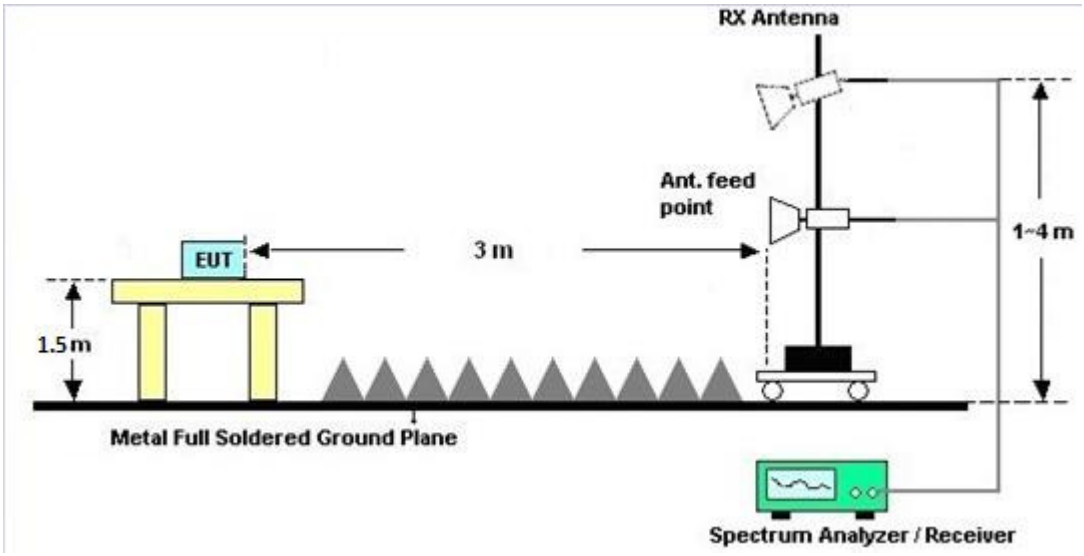
For radiated emissions below 30MHz



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.

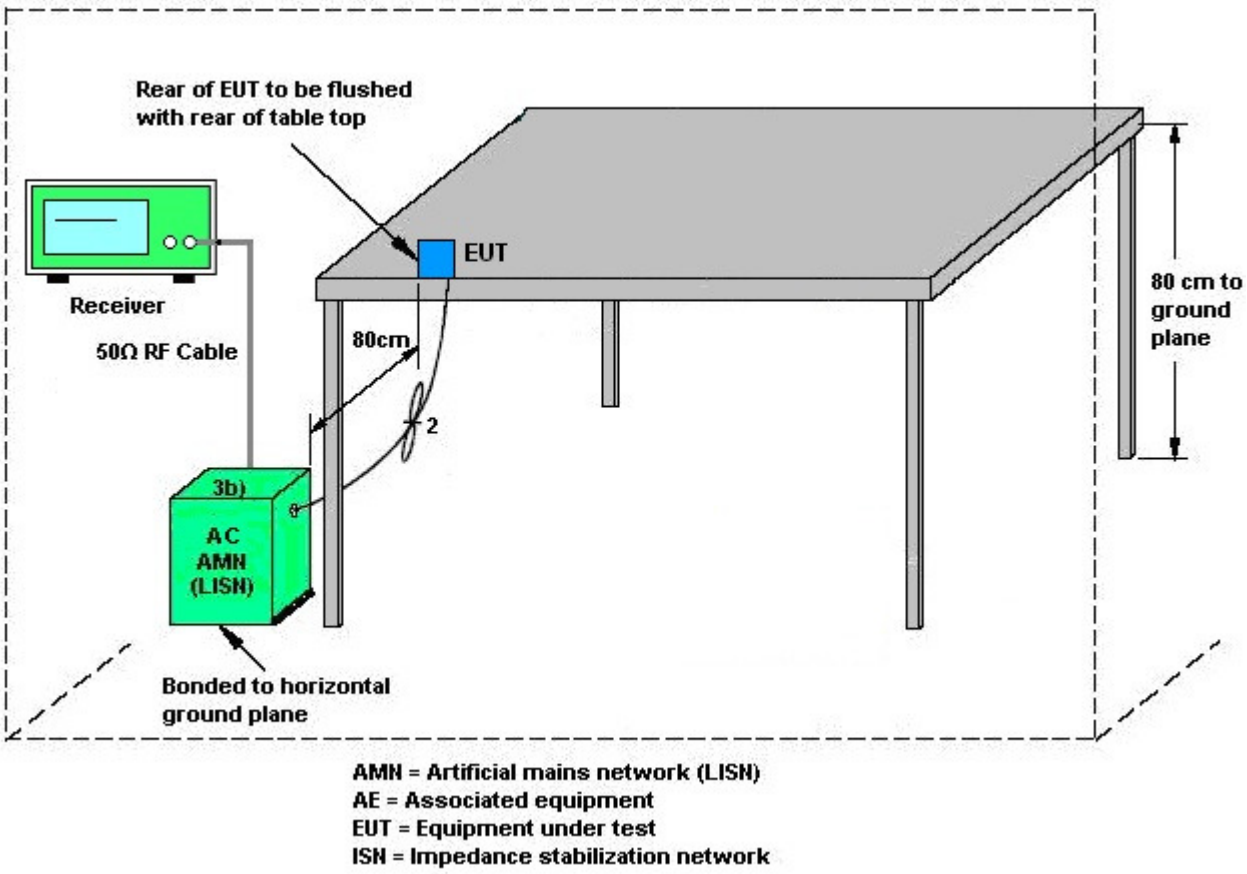
3.5.2 Measuring Instruments

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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

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	0932001	N/A	Sep. 26, 2017	Feb. 07, 2018~ Feb. 26, 2017	Sep. 25, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 26, 2017	Feb. 07, 2018~ Feb. 26, 2017	Sep. 25, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Feb. 07, 2018~ Feb. 26, 2017	Nov. 12, 2018	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 08, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Sep. 20, 2017	Feb. 08, 2018	Sep. 19, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Feb. 08, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	May 15, 2017	Feb. 08, 2018~ Feb. 28, 2018	May 14, 2019	Radiation (03CH10-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 19, 2017	Feb. 08, 2018~ Feb. 28, 2018	Oct. 18, 2018	Radiation (03CH10-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Feb. 08, 2018~ Feb. 28, 2018	Jul. 17, 2018	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Dec. 18, 2017	Feb. 08, 2018~ Feb. 28, 2018	Dec. 17, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Sep. 27, 2017	Feb. 08, 2018~ Feb. 28, 2018	Sep. 26, 2018	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 25, 2017	Feb. 08, 2018~ Feb. 28, 2018	Oct. 24, 2018	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 31, 2017	Feb. 08, 2018~ Feb. 28, 2018	Oct. 30, 2018	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 08, 2018~ Feb. 28, 2018	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Feb. 08, 2018~ Feb. 28, 2018	N/A	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Apr. 13, 2017	Feb. 08, 2018~ Feb. 28, 2018	Apr. 12, 2018	Radiation (03CH10-HY)
Test Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Feb. 08, 2018~ Feb. 28, 2018	N/A	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 27, 2017	Feb. 08, 2018~ Feb. 28, 2018	Nov. 26, 2018	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY57290111	3Hz~26.5GHz	Nov. 02, 2017	Feb. 08, 2018~ Feb. 28, 2018	Nov. 01, 2018	Radiation (03CH10-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.70

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.60

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.90

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Lena Lo/ Luffy Lin/Reece Lin	Temperature:	21~25	°C
Test Date:	2018/2/7 ~ 2018/02/26	Relative Humidity:	51~54	%

Report Number : FR813035D

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	0.47	14.80	24.00	0.25		Pass
11a	6Mbps	1	44	5220	0.47	14.43	24.00	0.25		Pass
11a	6Mbps	1	48	5240	0.47	14.55	24.00	0.25		Pass
HT20	MCS0	1	36	5180	0.50	14.40	24.00	0.25		Pass
HT20	MCS0	1	44	5220	0.50	14.19	24.00	0.25		Pass
HT20	MCS0	1	48	5240	0.50	14.02	24.00	0.25		Pass
HT40	MCS0	1	38	5190	0.50	11.91	24.00	0.25		Pass
HT40	MCS0	1	46	5230	0.50	11.37	24.00	0.25		Pass
VHT20	MCS0	1	36	5180	0.50	14.38	24.00	0.25		Pass
VHT20	MCS0	1	44	5220	0.50	14.17	24.00	0.25		Pass
VHT20	MCS0	1	48	5240	0.50	13.98	24.00	0.25		Pass
VHT40	MCS0	1	38	5190	0.44	11.80	24.00	0.25		Pass
VHT40	MCS0	1	46	5230	0.44	11.16	24.00	0.25		Pass
VHT80	MCS0	1	42	5210	0.67	10.44	24.00	0.25		Pass

Report Number : FR813035D

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	18.25	22.84	-	22.61		
11a	6Mbps	1	44	5220	18.20	22.80	-	22.60		
11a	6Mbps	1	48	5240	18.20	23.00	-	22.60		
HT20	MCS0	1	36	5180	18.90	23.30	-	22.76		
HT20	MCS0	1	44	5220	18.75	23.40	-	22.73		
HT20	MCS0	1	48	5240	18.65	24.55	-	22.71		
HT40	MCS0	1	38	5190	36.50	41.04	-	23.01		
HT40	MCS0	1	46	5230	36.50	40.92	-	23.01		
VHT80	MCS0	1	42	5210	75.72	81.28	-	23.01		

Report Number : FR813035D

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	0.47	4.42	11.00	0.25		Pass
11a	6Mbps	1	44	5220	0.47	3.87	11.00	0.25		Pass
11a	6Mbps	1	48	5240	0.47	3.40	11.00	0.25		Pass
HT20	MCS0	1	36	5180	0.50	3.69	11.00	0.25		Pass
HT20	MCS0	1	44	5220	0.50	3.32	11.00	0.25		Pass
HT20	MCS0	1	48	5240	0.50	2.94	11.00	0.25		Pass
HT40	MCS0	1	38	5190	0.50	-2.33	11.00	0.25		Pass
HT40	MCS0	1	46	5230	0.50	-2.38	11.00	0.25		Pass
VHT80	MCS0	1	42	5210	0.67	-5.95	11.00	0.25		Pass

Report Number : FR813035D

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	18.15	22.93	23.59	29.59	23.98	
11a	6M bps	1	60	5300	18.05	22.80	23.56	29.56	23.98	
11a	6M bps	1	64	5320	18.15	22.90	23.59	29.59	23.98	
HT20	MCS 0	1	52	5260	18.80	24.40	23.74	29.74	23.98	
HT20	MCS 0	1	60	5300	18.85	23.34	23.75	29.75	23.98	
HT20	MCS 0	1	64	5320	18.90	25.64	23.76	29.76	23.98	
HT40	MCS 0	1	54	5270	36.60	41.04	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.50	41.40	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	75.72	81.92	23.98	30.00	23.98	

Report Number : FR813035D

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	0.47	14.40	23.98	1.34	26.99	Pass
11a	6M bps	1	60	5300	0.47	14.37	23.98	1.34	26.99	Pass
11a	6M bps	1	64	5320	0.47	14.29	23.98	1.34	26.99	Pass
HT20	MCS 0	1	52	5260	0.50	14.03	23.98	1.34	26.99	Pass
HT20	MCS 0	1	60	5300	0.50	13.90	23.98	1.34	26.99	Pass
HT20	MCS 0	1	64	5320	0.50	14.01	23.98	1.34	26.99	Pass
HT40	MCS 0	1	54	5270	0.50	11.84	23.98	1.34	26.99	Pass
HT40	MCS 0	1	62	5310	0.50	11.82	23.98	1.34	26.99	Pass
VHT20	MCS 0	1	52	5260	0.50	13.99	23.98	1.34	26.99	Pass
VHT20	MCS 0	1	60	5300	0.50	13.88	23.98	1.34	26.99	Pass
VHT20	MCS 0	1	64	5320	0.50	13.97	23.98	1.34	26.99	Pass
VHT40	MCS 0	1	54	5270	0.44	11.71	23.98	1.34	26.99	Pass
VHT40	MCS 0	1	62	5310	0.44	11.55	23.98	1.34	26.99	Pass
VHT80	MCS 0	1	58	5290	0.67	9.94	23.98	1.34	26.99	Pass

Report Number : FR813035D

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	0.47	3.23	11.00	1.34		Pass
11a	6M bps	1	60	5300	0.47	3.16	11.00	1.34		Pass
11a	6M bps	1	64	5320	0.47	3.26	11.00	1.34		Pass
HT20	MCS 0	1	52	5260	0.50	2.35	11.00	1.34		Pass
HT20	MCS 0	1	60	5300	0.50	2.57	11.00	1.34		Pass
HT20	MCS 0	1	64	5320	0.50	2.41	11.00	1.34		Pass
HT40	MCS 0	1	54	5270	0.50	-3.05	11.00	1.34		Pass
HT40	MCS 0	1	62	5310	0.50	-3.16	11.00	1.34		Pass
VHT80	MCS 0	1	58	5290	0.67	-6.34	11.00	1.34		Pass

Report Number : FR813035D

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	18.25	22.93	23.61	29.61	23.98	----
11a	6M bps	1	116	5580	17.95	22.90	23.54	29.54	23.98	----
11a	6M bps	1	140	5700	18.10	22.93	23.58	29.58	23.98	----
11a	6Mbps	1	144	5720	14.10	17.35	22.49	28.49	23.39	3.18
HT20	MCS 0	1	100	5500	18.85	23.22	23.75	29.75	23.98	----
HT20	MCS 0	1	116	5580	18.95	26.43	23.78	29.78	23.98	----
HT20	MCS 0	1	140	5700	18.85	26.00	23.75	29.75	23.98	----
HT20	MCS0	1	144	5720	14.45	16.40	22.60	28.60	23.15	3.8
HT40	MCS 0	1	102	5510	36.50	41.04	23.98	30.00	23.98	----
HT40	MCS 0	1	110	5550	36.50	41.40	23.98	30.00	23.98	----
HT40	MCS 0	1	134	5670	36.60	41.22	23.98	30.00	23.98	----
HT40	MCS0	1	142	5710	33.30	35.52	23.98	30.00	23.98	2.96
VHT80	MCS 0	1	106	5530	75.72	81.60	23.98	30.00	23.98	----
VHT80	MCS 0	1	122	5610	75.48	81.60	23.98	30.00	23.98	----
VHT80	MCS0	1	138	5690	72.80	75.96	23.98	30.00	23.98	2.68

Report Number : FR813035D

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	0.47	14.62	23.98	2.28	26.99	Pass
11a	6M bps	1	116	5580	0.47	14.20	23.98	2.28	26.99	Pass
11a	6M bps	1	140	5700	0.47	13.98	23.98	2.28	26.99	Pass
11a	6M bps	1	144	5720	0.47	14.21	23.39	2.28	26.99	Pass
HT20	MCS 0	1	100	5500	0.50	14.32	23.98	2.28	26.99	Pass
HT20	MCS 0	1	116	5580	0.50	13.86	23.98	2.28	26.99	Pass
HT20	MCS 0	1	140	5700	0.50	13.88	23.98	2.28	26.99	Pass
HT20	MCS 0	1	144	5720	0.50	14.06	23.15	2.28	26.99	Pass
HT40	MCS 0	1	102	5510	0.50	12.12	23.98	2.28	26.99	Pass
HT40	MCS 0	1	110	5550	0.50	12.13	23.98	2.28	26.99	Pass
HT40	MCS 0	1	134	5670	0.50	12.19	23.98	2.28	26.99	Pass
HT40	MCS 0	1	142	5710	0.50	12.22	23.98	2.28	26.99	Pass
VHT20	MCS 0	1	100	5500	0.50	14.31	23.98	2.28	26.99	Pass
VHT20	MCS 0	1	116	5580	0.50	13.84	23.98	2.28	26.99	Pass
VHT20	MCS 0	1	140	5700	0.50	13.86	23.98	2.28	26.99	Pass
VHT20	MCS 0	1	144	5720	0.50	14.04	23.98	2.28	26.99	Pass
VHT40	MCS 0	1	102	5510	0.44	11.97	23.98	2.28	26.99	Pass
VHT40	MCS 0	1	110	5550	0.44	11.57	23.98	2.28	26.99	Pass
VHT40	MCS 0	1	134	5670	0.44	11.06	23.98	2.28	26.99	Pass
VHT40	MCS 0	1	142	5710	0.44	11.15	23.98	2.28	26.99	Pass
VHT80	MCS 0	1	106	5530	0.67	9.87	23.98	2.28	26.99	Pass
VHT80	MCS 0	1	122	5610	0.67	9.32	23.98	2.28	26.99	Pass
VHT80	MCS 0	1	138	5690	0.67	9.16	23.98	2.28	26.99	Pass

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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	0.47	3.72	11.00	2.28		Pass
11a	6M bps	1	116	5580	0.47	3.61	11.00	2.28		Pass
11a	6M bps	1	140	5700	0.47	2.74	11.00	2.28		Pass
11a	6Mbps	1	144	5720	0.47	2.57	11.00	2.28		Pass
HT20	MCS 0	1	100	5500	0.50	2.80	11.00	2.28		Pass
HT20	MCS 0	1	116	5580	0.50	2.13	11.00	2.28		Pass
HT20	MCS 0	1	140	5700	0.50	2.33	11.00	2.28		Pass
HT20	MCS0	1	144	5720	0.50	1.26	11.00	2.28		Pass
HT40	MCS 0	1	102	5510	0.50	-2.20	11.00	2.28		Pass
HT40	MCS 0	1	110	5550	0.50	-2.33	11.00	2.28		Pass
HT40	MCS 0	1	134	5670	0.50	-3.60	11.00	2.28		Pass
HT40	MCS0	1	142	5710	0.50	-3.50	11.00	2.28		Pass
VHT80	MCS 0	1	106	5530	0.67	-5.88	11.00	2.28		Pass
VHT80	MCS 0	1	122	5610	0.67	-7.11	11.00	2.28		Pass
VHT80	MCS0	1	138	5690	0.67	-8.14	11.00	2.28		Pass

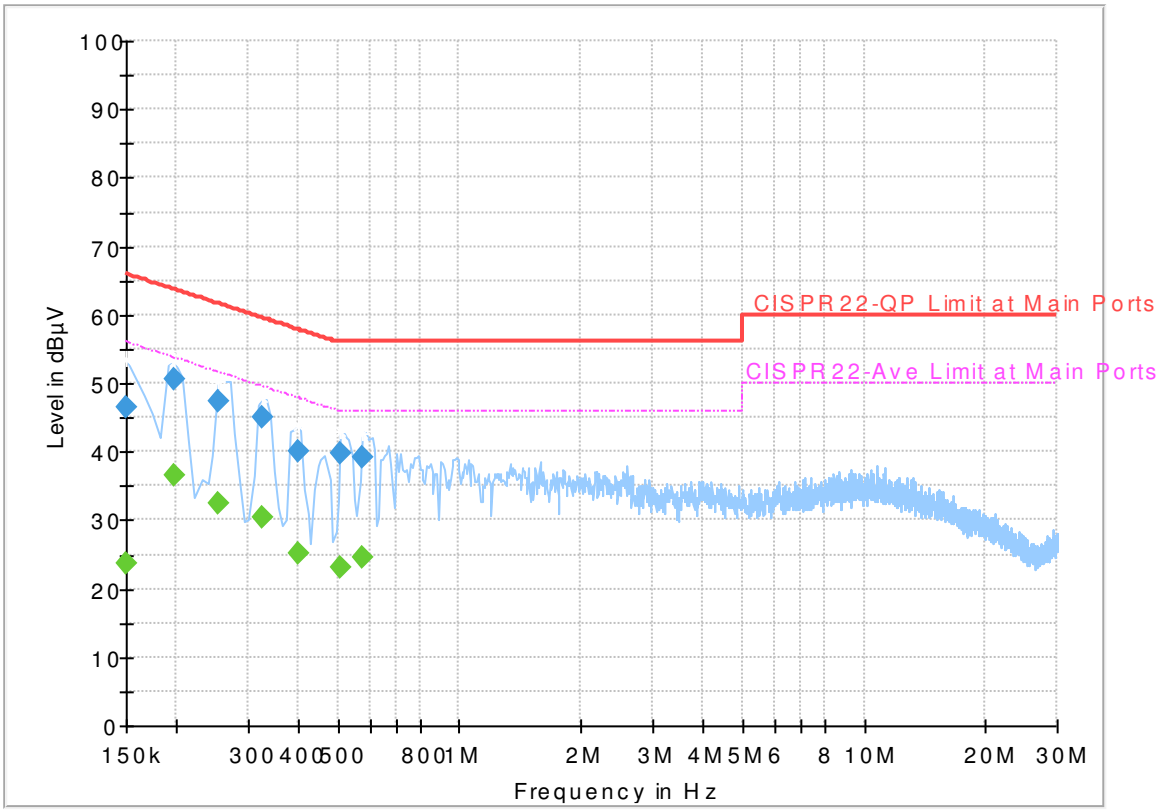
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Blue Lan	**Temperature :**	24~25℃
		Relative Humidity :	43~45%

EUT Information

Report NO :	813035
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	46.41	66.00	19.59	L1	OFF	19.5
0.198000	50.57	63.69	13.12	L1	OFF	19.5
0.254000	47.44	61.63	14.19	L1	OFF	19.5
0.326000	45.12	59.55	14.43	L1	OFF	19.5
0.398000	40.12	57.90	17.78	L1	OFF	19.5
0.510000	39.74	56.00	16.26	L1	OFF	19.5
0.574000	39.07	56.00	16.93	L1	OFF	19.5

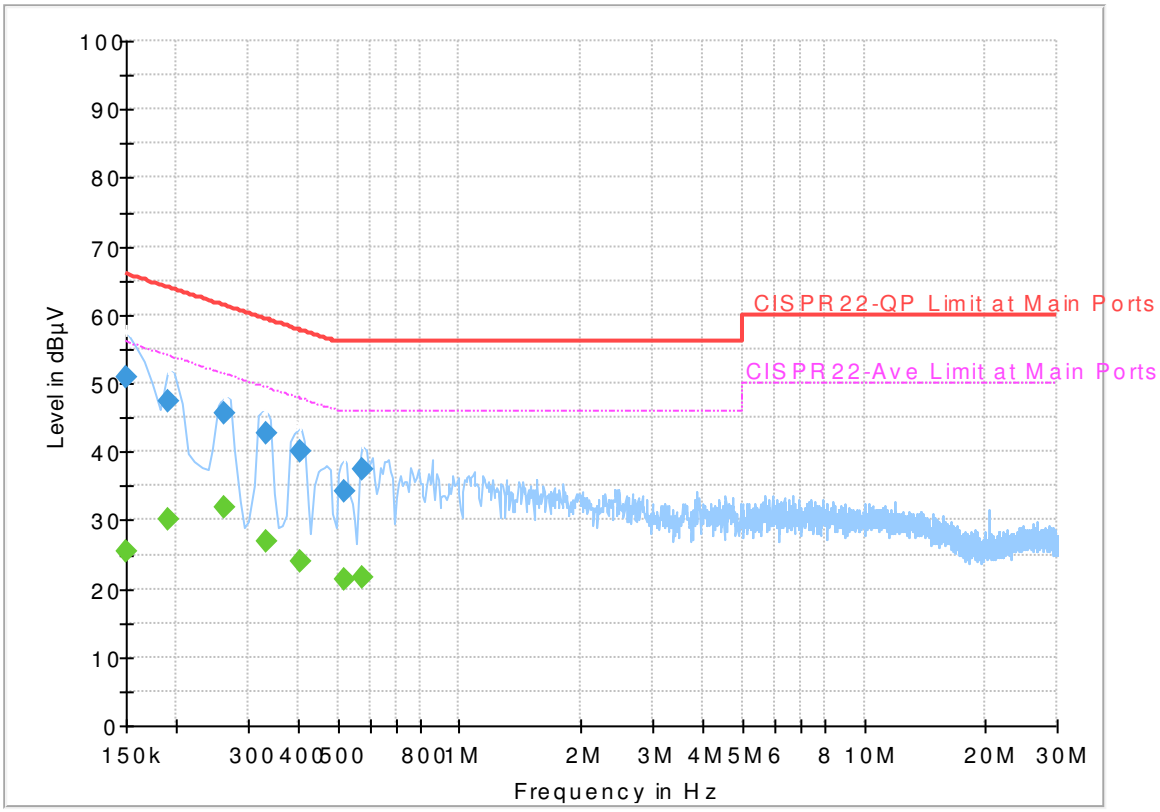
Final_Result

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	23.59	56.00	32.41	L1	OFF	19.5
0.198000	36.48	53.69	17.21	L1	OFF	19.5
0.254000	32.60	51.63	19.03	L1	OFF	19.5
0.326000	30.44	49.55	19.11	L1	OFF	19.5
0.398000	25.18	47.90	22.72	L1	OFF	19.5
0.510000	23.02	46.00	22.98	L1	OFF	19.5
0.574000	24.43	46.00	21.57	L1	OFF	19.5

EUT Information

Report NO :	813035
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	50.86	66.00	15.14	N	OFF	19.5
0.190000	47.51	64.04	16.53	N	OFF	19.5
0.262000	45.59	61.37	15.78	N	OFF	19.5
0.334000	42.63	59.35	16.72	N	OFF	19.5
0.406000	40.06	57.73	17.67	N	OFF	19.5
0.518000	34.24	56.00	21.76	N	OFF	19.5
0.574000	37.45	56.00	18.55	N	OFF	19.5

Final_Result

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	25.38	56.00	30.62	N	OFF	19.5
0.190000	30.03	54.04	24.01	N	OFF	19.5
0.262000	31.82	51.37	19.55	N	OFF	19.5
0.334000	26.88	49.35	22.47	N	OFF	19.5
0.406000	24.06	47.73	23.67	N	OFF	19.5
0.518000	21.27	46.00	24.73	N	OFF	19.5
0.574000	21.59	46.00	24.41	N	OFF	19.5

Appendix C. Radiated Spurious Emission

Test Engineer :	Yun Huang, Daniel Lee, and J.C. Liang	Temperature :	18~22°C
		Relative Humidity :	48~52%

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		5144.3	55.44	-18.56	74	47.86	31.68	8.38	32.48	100	125	P	H
		5149.76	44.06	-9.94	54	36.48	31.68	8.38	32.48	100	125	A	H
	*	5180	104.42	-	-	96.79	31.72	8.39	32.48	100	125	P	H
	*	5180	97.34	-	-	89.71	31.72	8.39	32.48	100	125	A	H
		5140.14	51.85	-22.15	74	44.28	31.68	8.37	32.48	100	96	P	V
		5149.24	42.7	-11.3	54	35.12	31.68	8.38	32.48	100	96	A	V
	*	5180	101.61	-	-	93.98	31.72	8.39	32.48	100	96	P	V
	*	5180	94.27	-	-	86.64	31.72	8.39	32.48	100	96	A	V
802.11a CH 44 5220MHz		5078.52	48.92	-25.08	74	41.44	31.6	8.35	32.47	100	125	P	H
		5034.32	40.69	-13.31	54	33.29	31.54	8.33	32.47	100	125	A	H
	*	5220	103.38	-	-	95.73	31.76	8.37	32.48	100	125	P	H
	*	5220	95.5	-	-	87.85	31.76	8.37	32.48	100	125	A	H
		5357.52	47.41	-26.59	74	39.83	31.92	8.15	32.49	100	125	P	H
		5405.96	42.37	-11.63	54	34.84	31.98	8.05	32.5	100	125	A	H
		5146.64	49.42	-24.58	74	41.84	31.68	8.38	32.48	100	96	P	V
		5034.58	40.42	-13.58	54	33.02	31.54	8.33	32.47	100	96	A	V
	*	5220	101.05	-	-	93.4	31.76	8.37	32.48	100	96	P	V
	*	5220	92.72	-	-	85.07	31.76	8.37	32.48	100	96	A	V
		5405.12	47.69	-26.31	74	40.16	31.98	8.05	32.5	100	96	P	V
		5405.68	40.68	-13.32	54	33.15	31.98	8.05	32.5	100	96	A	V

802.11a CH 48 5240MHz		5144.3	48.73	-25.27	74	41.15	31.68	8.38	32.48	103	124	P	H
		5052.78	40.43	-13.57	54	33	31.56	8.34	32.47	103	124	A	H
	*	5240	103.12	-	-	95.48	31.78	8.34	32.48	103	124	P	H
	*	5240	95.64	-	-	88	31.78	8.34	32.48	103	124	A	H
		5441.52	48.33	-25.67	74	40.66	32.02	8.15	32.5	103	124	P	H
		5426.4	42.18	-11.82	54	34.58	32	8.1	32.5	103	124	A	H
		5002.08	48.38	-25.62	74	41.03	31.5	8.32	32.47	100	96	P	V
		5053.82	40.22	-13.78	54	32.79	31.56	8.34	32.47	100	96	A	V
	*	5240	100.21	-	-	92.57	31.78	8.34	32.48	100	96	P	V
	*	5240	92.44	-	-	84.8	31.78	8.34	32.48	100	96	A	V
		5393.64	46.81	-27.19	74	39.26	31.96	8.08	32.49	100	96	P	V
		5426.4	40.45	-13.55	54	32.85	32	8.1	32.5	100	96	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	44.69	-29.31	74	59.91	39.49	11.78	66.49	100	0	P	H
		15540	46.22	-27.78	74	57.49	38.32	15.57	65.16	100	0	P	H
		10360	46.01	-27.99	74	61.23	39.49	11.78	66.49	100	0	P	V
		15540	45.76	-28.24	74	57.03	38.32	15.57	65.16	100	0	P	V
802.11a CH 44 5220MHz		10440	44.42	-29.58	74	59.38	39.59	11.84	66.39	100	0	P	H
		15660	50.66	-23.34	74	62.32	38.06	15.63	65.35	100	247	P	H
		15660	39.13	-14.87	54	50.79	38.06	15.63	65.35	100	247	A	H
		10440	45.53	-28.47	74	60.49	39.59	11.84	66.39	100	0	P	V
		15660	46.96	-27.04	74	58.62	38.06	15.63	65.35	100	0	P	V
802.11a CH 48 5240MHz		10480	44.61	-29.39	74	59.37	39.67	11.89	66.32	100	0	P	H
		15720	50.06	-23.94	74	61.95	37.91	15.66	65.46	100	65	P	H
		15720	38.69	-15.31	54	50.58	37.91	15.66	65.46	100	65	A	H
		10480	44.69	-29.31	74	59.45	39.67	11.89	66.32	100	0	P	V
		15720	49.48	-24.52	74	61.37	37.91	15.66	65.46	110	222	P	V
		15720	37.45	-16.55	54	49.34	37.91	15.66	65.46	110	222	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5135.98	53.72	-20.28	74	46.17	31.66	8.37	32.48	100	126	P	H
		5150	45.76	-8.24	54	38.18	31.68	8.38	32.48	100	126	A	H
802.11n	*	5180	104.35	-	-	96.72	31.72	8.39	32.48	100	126	P	H
HT20	*	5180	96.83	-	-	89.2	31.72	8.39	32.48	100	126	A	H
CH 36		5150	51.01	-22.99	74	43.43	31.68	8.38	32.48	100	96	P	V
5180MHz		5148.98	44.69	-9.31	54	37.11	31.68	8.38	32.48	100	96	A	V
	*	5180	101.45	-	-	93.82	31.72	8.39	32.48	100	96	P	V
	*	5180	94.05	-	-	86.42	31.72	8.39	32.48	100	96	A	V
		5125.84	49.15	-24.85	74	41.6	31.66	8.37	32.48	100	124	P	H
		5035.1	40.7	-13.3	54	33.3	31.54	8.33	32.47	100	124	A	H
	*	5220	103.96	-	-	96.31	31.76	8.37	32.48	100	124	P	H
	*	5220	95.26	-	-	87.61	31.76	8.37	32.48	100	124	A	H
802.11n		5407.08	48.41	-25.59	74	40.88	31.98	8.05	32.5	100	124	P	H
HT20		5405.12	43.07	-10.93	54	35.54	31.98	8.05	32.5	100	124	A	H
CH 44		5143.52	49.07	-24.93	74	41.49	31.68	8.38	32.48	100	97	P	V
5220MHz		5035.36	40.38	-13.62	54	32.98	31.54	8.33	32.47	100	97	A	V
	*	5220	100.53	-	-	92.88	31.76	8.37	32.48	100	97	P	V
	*	5220	92.26	-	-	84.61	31.76	8.37	32.48	100	97	A	V
		5445.16	47.01	-26.99	74	39.34	32.02	8.15	32.5	100	97	P	V
		5405.4	40.84	-13.16	54	33.31	31.98	8.05	32.5	100	97	A	V

		5118.04	48.59	-25.41	74	41.07	31.64	8.36	32.48	104	124	P	H
		5054.6	40.54	-13.46	54	33.09	31.58	8.34	32.47	104	124	A	H
	*	5240	102.63	-	-	94.99	31.78	8.34	32.48	104	124	P	H
	*	5240	95.18	-	-	87.54	31.78	8.34	32.48	104	124	A	H
802.11n		5427.8	48.59	-25.41	74	40.99	32	8.1	32.5	104	124	P	H
HT20		5425.84	42.51	-11.49	54	34.91	32	8.1	32.5	104	124	A	H
CH 48		5108.68	48.11	-25.89	74	40.59	31.64	8.36	32.48	100	97	P	V
5240MHz		5054.34	40.2	-13.8	54	32.77	31.56	8.34	32.47	100	97	A	V
	*	5240	98.88	-	-	91.24	31.78	8.34	32.48	100	97	P	V
	*	5240	92.04	-	-	84.4	31.78	8.34	32.48	100	97	A	V
		5425.84	47.6	-26.4	74	40	32	8.1	32.5	100	97	P	V
		5425.84	40.52	-13.48	54	32.92	32	8.1	32.5	100	97	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10360	44.73	-29.27	74	59.95	39.49	11.78	66.49	100	0	P	H
HT20		15540	47.41	-26.59	74	58.68	38.32	15.57	65.16	100	0	P	H
CH 36		10360	44.55	-29.45	74	59.77	39.49	11.78	66.49	100	0	P	V
5180MHz		15540	45.09	-28.91	74	56.36	38.32	15.57	65.16	100	0	P	V
802.11n		10440	44.4	-29.6	74	59.36	39.59	11.84	66.39	100	0	P	H
HT20		15660	46.88	-27.12	74	58.54	38.06	15.63	65.35	100	0	P	H
CH 44		10440	45.74	-28.26	74	60.7	39.59	11.84	66.39	100	0	P	V
5220MHz		15660	47.64	-26.36	74	59.3	38.06	15.63	65.35	100	0	P	V
802.11n		10480	45.33	-28.67	74	60.09	39.67	11.89	66.32	100	0	P	H
HT20		15720	45.91	-28.09	74	57.8	37.91	15.66	65.46	100	0	P	H
CH 48		10480	44.14	-29.86	74	58.9	39.67	11.89	66.32	100	0	P	V
5240MHz		15720	45.26	-28.74	74	57.15	37.91	15.66	65.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5148.72	53.71	-20.29	74	46.13	31.68	8.38	32.48	100	126	P	H
		5149.5	46.89	-7.11	54	39.31	31.68	8.38	32.48	100	126	A	H
	*	5190	98.72	-	-	91.09	31.72	8.39	32.48	100	126	P	H
	*	5190	90.06	-	-	82.43	31.72	8.39	32.48	100	126	A	H
		5395.88	47.72	-26.28	74	40.18	31.98	8.05	32.49	100	126	P	H
		5455.24	38.99	-15.01	54	31.26	32.04	8.19	32.5	100	126	A	H
		5149.24	52.3	-21.7	74	44.72	31.68	8.38	32.48	100	96	P	V
		5149.24	45.37	-8.63	54	37.79	31.68	8.38	32.48	100	96	A	V
	*	5190	95.02	-	-	87.39	31.72	8.39	32.48	100	96	P	V
	*	5190	86.98	-	-	79.35	31.72	8.39	32.48	100	96	A	V
		5355	47.95	-26.05	74	40.37	31.92	8.15	32.49	100	96	P	V
		5443.2	38.74	-15.26	54	31.07	32.02	8.15	32.5	100	96	A	V
802.11n HT40 CH 46 5230MHz		5108.16	48.3	-25.7	74	40.78	31.64	8.36	32.48	100	124	P	H
		5142.22	40.09	-13.91	54	32.52	31.68	8.37	32.48	100	124	A	H
	*	5230	97.17	-	-	89.5	31.78	8.37	32.48	100	124	P	H
	*	5230	89.58	-	-	81.91	31.78	8.37	32.48	100	124	A	H
		5362	47.1	-26.9	74	39.54	31.94	8.11	32.49	100	124	P	H
		5354.72	39.23	-14.77	54	31.65	31.92	8.15	32.49	100	124	A	H
		5138.32	48.13	-25.87	74	40.58	31.66	8.37	32.48	100	96	P	V
		5121.42	39.69	-14.31	54	32.17	31.64	8.36	32.48	100	96	A	V
	*	5230	95.08	-	-	87.41	31.78	8.37	32.48	100	96	P	V
	*	5230	86.9	-	-	79.23	31.78	8.37	32.48	100	96	A	V
		5375.44	46.54	-27.46	74	38.98	31.94	8.11	32.49	100	96	P	V
		5447.12	38.91	-15.09	54	31.22	32.04	8.15	32.5	100	96	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10380	44.42	-29.58	74	59.57	39.51	11.8	66.46	100	0	P	H
HT40		15570	43.45	-30.55	74	54.82	38.25	15.59	65.21	100	0	P	H
CH 38		10380	44.31	-29.69	74	59.46	39.51	11.8	66.46	100	0	P	V
5190MHz		15570	43.72	-30.28	74	55.09	38.25	15.59	65.21	100	0	P	V
802.11n		10460	44.88	-29.12	74	59.77	39.62	11.86	66.37	100	0	P	H
HT40		15690	44.09	-29.91	74	55.87	37.98	15.64	65.4	100	0	P	H
CH 46		10460	44.28	-29.72	74	59.17	39.62	11.86	66.37	100	0	P	V
5230MHz		15690	43.29	-30.71	74	55.07	37.98	15.64	65.4	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	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		5143.52	55.54	-18.46	74	47.96	31.68	8.38	32.48	100	121	P	H
		5149.24	48	-6	54	40.42	31.68	8.38	32.48	100	121	A	H
	*	5210	95.18	-	-	87.5	31.76	8.4	32.48	100	121	P	H
	*	5210	87.58	-	-	79.9	31.76	8.4	32.48	100	121	A	H
		5371.8	47.98	-26.02	74	40.42	31.94	8.11	32.49	100	121	P	H
		5350.52	41.36	-12.64	54	33.78	31.92	8.15	32.49	100	121	A	H
		5147.42	52.52	-21.48	74	44.94	31.68	8.38	32.48	103	78	P	V
		5146.64	45.81	-8.19	54	38.23	31.68	8.38	32.48	103	78	A	V
	*	5210	91.08	-	-	83.4	31.76	8.4	32.48	103	78	P	V
	*	5210	83.58	-	-	75.9	31.76	8.4	32.48	103	78	A	V
		5407.08	48.01	-25.99	74	40.48	31.98	8.05	32.5	103	78	P	V
		5372.36	40.02	-13.98	54	32.46	31.94	8.11	32.49	103	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10420	45.27	-28.73	74	60.29	39.57	11.83	66.42	100	0	P	H
VHT80		15630	42.89	-31.11	74	54.5	38.1	15.61	65.32	100	0	P	H
CH 42		10420	45.48	-28.52	74	60.5	39.57	11.83	66.42	100	0	P	V
5210MHz		15630	43.07	-30.93	74	54.68	38.1	15.61	65.32	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	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		5138.72	48.52	-25.48	74	40.97	31.66	8.37	32.48	100	124	P	H
		5072.08	40.23	-13.77	54	32.75	31.6	8.35	32.47	100	124	A	H
	*	5260	103.94	-	-	96.31	31.82	8.3	32.49	100	124	P	H
	*	5260	95.43	-	-	87.8	31.82	8.3	32.49	100	124	A	H
		5447.28	48.94	-25.06	74	41.25	32.04	8.15	32.5	100	124	P	H
		5447.28	42.41	-11.59	54	34.72	32.04	8.15	32.5	100	124	A	H
		5072.76	48.28	-25.72	74	40.8	31.6	8.35	32.47	100	96	P	V
		5072.76	40.15	-13.85	54	32.67	31.6	8.35	32.47	100	96	A	V
	*	5260	100.43	-	-	92.8	31.82	8.3	32.49	100	96	P	V
	*	5260	92.12	-	-	84.49	31.82	8.3	32.49	100	96	A	V
		5408.64	47.44	-26.56	74	39.91	31.98	8.05	32.5	100	96	P	V
		5447.28	40.23	-13.77	54	32.54	32.04	8.15	32.5	100	96	A	V
802.11a CH 60 5300MHz		5029.92	49.01	-24.99	74	41.61	31.54	8.33	32.47	100	122	P	H
		5111.52	40.53	-13.47	54	33.01	31.64	8.36	32.48	100	122	A	H
	*	5300	104.91	-	-	97.3	31.86	8.24	32.49	100	122	P	H
	*	5300	97.71	-	-	90.1	31.86	8.24	32.49	100	122	A	H
		5353.2	52.27	-21.73	74	44.69	31.92	8.15	32.49	100	122	P	H
		5350.32	43.6	-10.4	54	36.02	31.92	8.15	32.49	100	122	A	H
		5044.88	48.44	-25.56	74	41.02	31.56	8.33	32.47	100	96	P	V
		5111.52	40.11	-13.89	54	32.59	31.64	8.36	32.48	100	96	A	V
	*	5300	102.11	-	-	94.5	31.86	8.24	32.49	100	96	P	V
	*	5300	94.71	-	-	87.1	31.86	8.24	32.49	100	96	A	V
		5357.04	49.6	-24.4	74	42.02	31.92	8.15	32.49	100	96	P	V
		5350.08	41.37	-12.63	54	33.79	31.92	8.15	32.49	100	96	A	V

802.11a CH 64 5320MHz	*	5320	104	-	-	96.4	31.88	8.21	32.49	100	125	P	H
	*	5320	97	-	-	89.4	31.88	8.21	32.49	100	125	A	H
		5350.56	55.59	-18.41	74	48.01	31.92	8.15	32.49	100	125	P	H
		5350.88	45.16	-8.84	54	37.58	31.92	8.15	32.49	100	125	A	H
	*	5320	101	-	-	93.4	31.88	8.21	32.49	100	97	P	V
	*	5320	93.9	-	-	86.3	31.88	8.21	32.49	100	97	A	V
		5368.32	52.09	-21.91	74	44.53	31.94	8.11	32.49	100	97	P	V
		5351.36	43.18	-10.82	54	35.6	31.92	8.15	32.49	100	97	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	45	-29	74	59.68	39.71	11.92	66.31	100	0	P	H
		15780	49.85	-24.15	74	61.91	37.79	15.69	65.54	100	91	P	H
		15780	38.69	-15.31	54	50.75	37.79	15.69	65.54	100	91	A	H
		10520	44.94	-29.06	74	59.62	39.71	11.92	66.31	100	0	P	V
		15780	46.83	-27.17	74	58.89	37.79	15.69	65.54	100	0	P	V
802.11a CH 60 5300MHz		10600	45.22	-28.78	74	59.8	39.78	11.98	66.34	100	0	P	H
		15900	45.84	-28.16	74	58.29	37.53	15.75	65.73	100	0	P	H
		10600	45.19	-28.81	74	59.77	39.78	11.98	66.34	100	0	P	V
		15900	43.09	-30.91	74	55.54	37.53	15.75	65.73	100	0	P	V
802.11a CH 64 5320MHz		10640	43.95	-30.05	74	58.49	39.81	12.01	66.36	100	0	P	H
		15960	43.95	-30.05	74	56.63	37.38	15.78	65.84	100	0	P	H
		10640	44.24	-29.76	74	58.78	39.81	12.01	66.36	100	0	P	V
		15960	43.67	-30.33	74	56.35	37.38	15.78	65.84	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)
		5073.1	47.82	-26.18	74	40.34	31.6	8.35	32.47	100	125	P	H
		5073.44	40.7	-13.3	54	33.22	31.6	8.35	32.47	100	125	A	H
	*	5260	103.74	-	-	96.11	31.82	8.3	32.49	100	125	P	H
	*	5260	96.44	-	-	88.81	31.82	8.3	32.49	100	125	A	H
802.11n		5446.32	49.44	-24.56	74	41.75	32.04	8.15	32.5	100	125	P	H
HT20		5447.04	42.45	-11.55	54	34.76	32.04	8.15	32.5	100	125	A	H
CH 52		5005.44	49.34	-24.66	74	41.97	31.52	8.32	32.47	100	97	P	V
5260MHz		5073.44	40.19	-13.81	54	32.71	31.6	8.35	32.47	100	97	A	V
	*	5260	100.24	-	-	92.61	31.82	8.3	32.49	100	97	P	V
	*	5260	93.14	-	-	85.51	31.82	8.3	32.49	100	97	A	V
		5449.68	48.52	-25.48	74	40.79	32.04	8.19	32.5	100	97	P	V
		5446.8	40.66	-13.34	54	32.97	32.04	8.15	32.5	100	97	A	V
		5089.76	48.8	-25.2	74	41.29	31.62	8.36	32.47	100	124	P	H
		5112.2	40.23	-13.77	54	32.71	31.64	8.36	32.48	100	124	A	H
	*	5300	103.61	-	-	96	31.86	8.24	32.49	100	124	P	H
	*	5300	96.51	-	-	88.9	31.86	8.24	32.49	100	124	A	H
802.11n		5353.44	48.77	-25.23	74	41.19	31.92	8.15	32.49	100	124	P	H
HT20		5353.44	41.44	-12.56	54	33.86	31.92	8.15	32.49	100	124	A	H
CH 60		5087.72	48.48	-25.52	74	41	31.6	8.35	32.47	100	97	P	V
5300MHz		5111.18	39.85	-14.15	54	32.33	31.64	8.36	32.48	100	97	A	V
	*	5300	100.61	-	-	93	31.86	8.24	32.49	100	97	P	V
	*	5300	93.21	-	-	85.6	31.86	8.24	32.49	100	97	A	V
		5376.24	47.94	-26.06	74	40.41	31.94	8.08	32.49	100	97	P	V
		5350.56	40.11	-13.89	54	32.53	31.92	8.15	32.49	100	97	A	V

802.11n HT20 CH 64 5320MHz	*	5320	104.4	-	-	96.8	31.88	8.21	32.49	100	123	P	H
	*	5320	96.9	-	-	89.3	31.88	8.21	32.49	100	123	A	H
		5350.08	58.3	-15.7	74	50.72	31.92	8.15	32.49	100	123	P	H
		5350.56	47.66	-6.34	54	40.08	31.92	8.15	32.49	100	123	A	H
	*	5320	100.3	-	-	92.7	31.88	8.21	32.49	100	97	P	V
	*	5320	93.3	-	-	85.7	31.88	8.21	32.49	100	97	A	V
		5351.84	53.01	-20.99	74	45.43	31.92	8.15	32.49	100	97	P	V
		5350.08	43.81	-10.19	54	36.23	31.92	8.15	32.49	100	97	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10520	45.76	-28.24	74	60.44	39.71	11.92	66.31	100	0	P	H
HT20		15780	47.96	-26.04	74	60.02	37.79	15.69	65.54	100	0	P	H
CH 52		10520	44.87	-29.13	74	59.55	39.71	11.92	66.31	100	0	P	V
5260MHz		15780	46.29	-27.71	74	58.35	37.79	15.69	65.54	100	0	P	V
802.11n		10600	44.86	-29.14	74	59.44	39.78	11.98	66.34	100	0	P	H
HT20		15900	46	-28	74	58.45	37.53	15.75	65.73	100	0	P	H
CH 60		10600	45.47	-28.53	74	60.05	39.78	11.98	66.34	100	0	P	V
5300MHz		15900	43.59	-30.41	74	56.04	37.53	15.75	65.73	100	0	P	V
802.11n		10640	43.74	-30.26	74	58.28	39.81	12.01	66.36	100	0	P	H
HT20		15960	42.28	-31.72	74	54.96	37.38	15.78	65.84	100	0	P	H
CH 64		10640	45.17	-28.83	74	59.71	39.81	12.01	66.36	100	0	P	V
5320MHz		15960	41.36	-32.64	74	54.04	37.38	15.78	65.84	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	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		5048.96	48.36	-25.64	74	40.94	31.56	8.33	32.47	100	124	P	H
		5114.92	39.7	-14.3	54	32.18	31.64	8.36	32.48	100	124	A	H
	*	5270	98.71	-	-	91.11	31.82	8.27	32.49	100	124	P	H
	*	5270	91.61	-	-	84.01	31.82	8.27	32.49	100	124	A	H
		5355.12	48.03	-25.97	74	40.45	31.92	8.15	32.49	100	124	P	H
		5364	40.29	-13.71	54	32.73	31.94	8.11	32.49	100	124	A	H
		5127.16	47.49	-26.51	74	39.94	31.66	8.37	32.48	100	95	P	V
		5124.1	39.61	-14.39	54	32.07	31.66	8.36	32.48	100	95	A	V
	*	5270	95.61	-	-	88.01	31.82	8.27	32.49	100	95	P	V
	*	5270	87.91	-	-	80.31	31.82	8.27	32.49	100	95	A	V
		5401.44	47.95	-26.05	74	40.42	31.98	8.05	32.5	100	95	P	V
		5352	39.36	-14.64	54	31.78	31.92	8.15	32.49	100	95	A	V
802.11n HT40 CH 62 5310MHz		5069.02	48.21	-25.79	74	40.76	31.58	8.34	32.47	100	123	P	H
		5121.38	39.59	-14.41	54	32.07	31.64	8.36	32.48	100	123	A	H
	*	5310	99	-	-	91.4	31.88	8.21	32.49	100	123	P	H
	*	5310	91.3	-	-	83.7	31.88	8.21	32.49	100	123	A	H
		5352	52.62	-21.38	74	45.04	31.92	8.15	32.49	100	123	P	H
		5350.32	44.97	-9.03	54	37.39	31.92	8.15	32.49	100	123	A	H
		5081.6	48.56	-25.44	74	41.08	31.6	8.35	32.47	100	96	P	V
		5092.82	39.56	-14.44	54	32.06	31.62	8.36	32.48	100	96	A	V
	*	5310	95.4	-	-	87.8	31.88	8.21	32.49	100	96	P	V
	*	5310	88	-	-	80.4	31.88	8.21	32.49	100	96	A	V
		5354.16	48.18	-25.82	74	40.6	31.92	8.15	32.49	100	96	P	V
		5350.32	42.13	-11.87	54	34.55	31.92	8.15	32.49	100	96	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10540	44.01	-29.99	74	58.66	39.73	11.93	66.31	100	0	P	H
HT40		15810	43.07	-30.93	74	55.24	37.72	15.71	65.6	100	0	P	H
CH 54		10540	44.53	-29.47	74	59.18	39.73	11.93	66.31	100	0	P	V
5270MHz		15810	42.49	-31.51	74	54.66	37.72	15.71	65.6	100	0	P	V
802.11n		10620	44.16	-29.84	74	58.72	39.8	11.99	66.35	100	0	P	H
HT40		15930	42.48	-31.52	74	55.05	37.45	15.77	65.79	100	0	P	H
CH 62		10620	43.85	-30.15	74	58.41	39.8	11.99	66.35	100	0	P	V
5310MHz		15930	41.5	-32.5	74	54.07	37.45	15.77	65.79	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	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		5129.2	49.98	-24.02	74	42.43	31.66	8.37	32.48	100	117	P	H
		5141.78	40.98	-13.02	54	33.41	31.68	8.37	32.48	100	117	A	H
	*	5290	94.19	-	-	86.6	31.84	8.24	32.49	100	117	P	H
	*	5290	87.09	-	-	79.5	31.84	8.24	32.49	100	117	A	H
		5352.24	53.18	-20.82	74	45.6	31.92	8.15	32.49	100	117	P	H
		5352	46.57	-7.43	54	38.99	31.92	8.15	32.49	100	117	A	H
		5142.12	48.6	-25.4	74	41.03	31.68	8.37	32.48	100	98	P	V
		5057.12	40.67	-13.33	54	33.22	31.58	8.34	32.47	100	98	A	V
	*	5290	90.49	-	-	82.9	31.84	8.24	32.49	100	98	P	V
	*	5290	83.39	-	-	75.8	31.84	8.24	32.49	100	98	A	V
		5401.68	48.76	-25.24	74	41.23	31.98	8.05	32.5	100	98	P	V
		5353.92	42.54	-11.46	54	34.96	31.92	8.15	32.49	100	98	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10580	45.06	-28.94	74	59.66	39.77	11.96	66.33	100	0	P	H
VHT80		15870	41.53	-32.47	74	53.93	37.57	15.74	65.71	100	0	P	H
CH 58		10580	44.36	-29.64	74	58.96	39.77	11.96	66.33	100	0	P	V
5290MHz		15870	42.64	-31.36	74	55.04	37.57	15.74	65.71	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	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		5456.72	55.8	-18.2	74	48.07	32.04	8.19	32.5	100	122	P	H
		5464.24	57.32	-10.88	68.2	49.57	32.06	8.19	32.5	100	122	P	H
		5459.6	45.6	-8.4	54	37.87	32.04	8.19	32.5	100	122	P	H
	*	5500	105.34	-	-	97.45	32.1	8.29	32.5	100	122	P	H
	*	5500	98.26	-	-	90.37	32.1	8.29	32.5	100	122	A	H
		5459.12	49.24	-24.76	74	41.51	32.04	8.19	32.5	100	67	P	V
		5468.24	51.44	-16.76	68.2	43.64	32.06	8.24	32.5	100	67	P	V
		5458.48	41.47	-12.53	54	33.74	32.04	8.19	32.5	100	67	P	V
	*	5500	98	-	-	90.11	32.1	8.29	32.5	100	67	P	V
	*	5500	90.91	-	-	83.02	32.1	8.29	32.5	100	67	A	V
802.11a CH 116 5580MHz		5454.4	47.53	-26.47	74	39.8	32.04	8.19	32.5	100	123	P	H
		5469.52	45.91	-22.29	68.2	38.11	32.06	8.24	32.5	100	123	P	H
		5380.72	40.1	-13.9	54	32.55	31.96	8.08	32.49	100	123	A	H
	*	5580	105.66	-	-	97.5	32.17	8.53	32.54	100	123	P	H
	*	5580	98.78	-	-	90.62	32.17	8.53	32.54	100	123	A	H
		5734.13	49.84	-18.36	68.2	41.1	32.32	9.01	32.59	100	123	P	H
		5399.44	46.36	-27.64	74	38.83	31.98	8.05	32.5	108	53	P	V
		5467.12	46.61	-21.59	68.2	38.81	32.06	8.24	32.5	108	53	P	V
		5458.48	38.78	-15.22	54	31.05	32.04	8.19	32.5	108	53	A	V
	*	5580	97.37	-	-	89.21	32.17	8.53	32.54	108	53	P	V
	*	5580	89.9	-	-	81.74	32.17	8.53	32.54	108	53	A	V
		5736.965	49.44	-18.76	68.2	40.62	32.34	9.07	32.59	108	53	P	V

802.11a CH 140 5700MHz	*	5700	106.39	-	-	97.72	32.29	8.95	32.57	100	209	P	H
	*	5700	97.9	-	-	89.23	32.29	8.95	32.57	100	209	A	H
		5725	61.19	-7.01	68.2	52.44	32.32	9.01	32.58	100	209	P	H
	*	5700	101.47	-	-	92.8	32.29	8.95	32.57	106	52	P	V
	*	5700	93.28	-	-	84.61	32.29	8.95	32.57	106	52	A	V
		5726.12	54.63	-13.57	68.2	45.88	32.32	9.01	32.58	106	52	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	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	45.01	-28.99	74	59.1	40.1	12.31	66.5	100	0	P	H
		16500	43.82	-24.38	68.2	55.22	38.8	16.2	66.4	100	0	P	H
		11000	44.57	-29.43	74	58.66	40.1	12.31	66.5	100	0	P	V
		16500	43.01	-25.19	68.2	54.41	38.8	16.2	66.4	100	0	P	V
802.11a CH 116 5580MHz		11160	45.6	-28.4	74	59.55	40	12.45	66.4	100	0	P	H
		16740	44.21	-23.99	68.2	54.85	39.33	16.38	66.35	100	0	P	H
		11160	44.26	-29.74	74	58.21	40	12.45	66.4	100	0	P	V
		16740	44	-24.2	68.2	54.64	39.33	16.38	66.35	100	0	P	V
802.11a CH 140 5700MHz		11400	43.49	-30.51	74	57.23	39.86	12.66	66.26	100	0	P	H
		17100	46.76	-21.44	68.2	55.9	40.38	16.66	66.18	100	0	P	H
		11400	43.55	-30.45	74	57.29	39.86	12.66	66.26	100	0	P	V
		17100	46.32	-21.88	68.2	55.46	40.38	16.66	66.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.24	53.75	-20.25	74	46.02	32.04	8.19	32.5	104	124	P	H
		5465.04	53.25	-14.95	68.2	45.5	32.06	8.19	32.5	104	124	P	H
		5460	43.67	-10.33	54	35.94	32.04	8.19	32.5	104	124	A	H
802.11n	*	5500	104.94	-	-	97.05	32.1	8.29	32.5	104	124	P	H
HT20	*	5500	97.87	-	-	89.98	32.1	8.29	32.5	104	124	A	H
CH 100		5377.2	48.48	-25.52	74	40.95	31.94	8.08	32.49	107	96	P	V
5500MHz		5464.56	51.97	-16.23	68.2	44.22	32.06	8.19	32.5	107	96	P	V
		5458.64	40.83	-13.17	54	33.1	32.04	8.19	32.5	107	96	A	V
	*	5500	99.06	-	-	91.17	32.1	8.29	32.5	107	96	P	V
	*	5500	91.72	-	-	83.83	32.1	8.29	32.5	107	96	A	V
		5357.92	47.55	-26.45	74	39.97	31.92	8.15	32.49	100	122	P	H
		5469.04	47.16	-21.04	68.2	39.36	32.06	8.24	32.5	100	122	P	H
		5381.2	40.19	-13.81	54	32.64	31.96	8.08	32.49	100	122	A	H
	*	5580	106.28	-	-	98.12	32.17	8.53	32.54	100	122	P	H
802.11n	*	5580	98.01	-	-	89.85	32.17	8.53	32.54	100	122	A	H
HT20		5735.075	48.71	-19.49	68.2	39.95	32.34	9.01	32.59	100	122	P	H
CH 116		5357.44	46.59	-27.41	74	39.01	31.92	8.15	32.49	109	53	P	V
5580MHz		5463.52	46.42	-21.78	68.2	38.67	32.06	8.19	32.5	109	53	P	V
		5437.12	38.73	-15.27	54	31.06	32.02	8.15	32.5	109	53	A	V
	*	5580	95.62	-	-	87.46	32.17	8.53	32.54	109	53	P	V
	*	5580	89.01	-	-	80.85	32.17	8.53	32.54	109	53	A	V
		5746.1	49	-19.2	68.2	40.18	32.34	9.07	32.59	109	53	P	V

802.11n HT20 CH 140 5700MHz	*	5700	104.71	-	-	96.04	32.29	8.95	32.57	118	189	P	H
	*	5700	97.77	-	-	89.1	32.29	8.95	32.57	118	189	A	H
		5727.08	57.82	-10.38	68.2	49.07	32.32	9.01	32.58	118	189	P	H
	*	5700	99.87	-	-	91.2	32.29	8.95	32.57	105	52	P	V
	*	5700	92.19	-	-	83.52	32.29	8.95	32.57	105	52	A	V
		5730.28	53.01	-15.19	68.2	44.27	32.32	9.01	32.59	105	52	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11000	43.88	-30.12	74	57.97	40.1	12.31	66.5	100	0	P	H
HT20		16500	43.78	-24.42	68.2	55.18	38.8	16.2	66.4	100	0	P	H
CH 100		11000	45.43	-28.57	74	59.52	40.1	12.31	66.5	100	0	P	V
5500MHz		16500	43.25	-24.95	68.2	54.65	38.8	16.2	66.4	100	0	P	V
802.11n		11160	44.41	-29.59	74	58.36	40	12.45	66.4	100	0	P	H
HT20		16740	44.85	-23.35	68.2	55.49	39.33	16.38	66.35	100	0	P	H
CH 116		11160	44.33	-29.67	74	58.28	40	12.45	66.4	100	0	P	V
5580MHz		16740	44.25	-23.95	68.2	54.89	39.33	16.38	66.35	100	0	P	V
802.11n		11400	43.02	-30.98	74	56.76	39.86	12.66	66.26	100	0	P	H
HT20		17100	45.59	-22.61	68.2	54.73	40.38	16.66	66.18	100	0	P	H
CH 140		11400	44.33	-29.67	74	58.07	39.86	12.66	66.26	100	0	P	V
5700MHz		17100	46	-22.2	68.2	55.14	40.38	16.66	66.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5444.56	47.65	-26.35	74	39.98	32.02	8.15	32.5	100	122	P	H
		5469.52	51.6	-16.6	68.2	43.8	32.06	8.24	32.5	100	122	P	H
		5459.68	42.36	-11.64	54	34.63	32.04	8.19	32.5	100	122	A	H
	*	5510	99.03	-	-	91.1	32.1	8.34	32.51	100	122	P	H
802.11n	*	5510	91.74	-	-	83.81	32.1	8.34	32.51	100	122	A	H
HT40		5732.555	48.55	-19.65	68.2	39.81	32.32	9.01	32.59	100	122	P	H
CH 102		5458.24	48.4	-25.6	74	40.67	32.04	8.19	32.5	100	96	P	V
5510MHz		5468.32	48.67	-19.53	68.2	40.87	32.06	8.24	32.5	100	96	P	V
		5448.88	40.32	-13.68	54	32.59	32.04	8.19	32.5	100	96	A	V
	*	5510	92.63	-	-	84.7	32.1	8.34	32.51	100	96	P	V
	*	5510	85.62	-	-	77.69	32.1	8.34	32.51	100	96	A	V
		5741.375	49.72	-18.48	68.2	40.9	32.34	9.07	32.59	100	96	P	V
		5459.44	48.14	-25.86	74	40.41	32.04	8.19	32.5	100	122	P	H
		5467.36	47.19	-21.01	68.2	39.39	32.06	8.24	32.5	100	122	P	H
		5452.72	40.61	-13.39	54	32.88	32.04	8.19	32.5	100	122	A	H
	*	5550	100.27	-	-	92.2	32.15	8.44	32.52	100	122	P	H
802.11n	*	5550	92.37	-	-	84.3	32.15	8.44	32.52	100	122	A	H
HT40		5738.225	49.37	-18.83	68.2	40.55	32.34	9.07	32.59	100	122	P	H
CH 110		5459.68	47.46	-26.54	74	39.73	32.04	8.19	32.5	100	95	P	V
5550MHz		5460.4	46.24	-21.96	68.2	38.51	32.04	8.19	32.5	100	95	P	V
		5448.4	39.81	-14.19	54	32.08	32.04	8.19	32.5	100	95	A	V
	*	5550	91.6	-	-	83.53	32.15	8.44	32.52	100	95	P	V
	*	5550	83.88	-	-	75.81	32.15	8.44	32.52	100	95	A	V
		5749.25	48.21	-19.99	68.2	39.39	32.34	9.07	32.59	100	95	P	V

		5445.2	47.22	-26.78	74	39.55	32.02	8.15	32.5	100	175	P	H
		5463.75	46.16	-22.04	68.2	38.41	32.06	8.19	32.5	100	175	P	H
		5454.65	39.52	-14.48	54	31.79	32.04	8.19	32.5	100	175	A	H
	*	5670	101.6	-	-	93.06	32.27	8.83	32.56	100	175	P	H
802.11n	*	5670	93.06	-	-	84.52	32.27	8.83	32.56	100	175	A	H
HT40		5734.025	51.01	-17.19	68.2	42.27	32.32	9.01	32.59	100	175	P	H
CH 134		5415.45	46.64	-27.36	74	39.04	32	8.1	32.5	100	53	P	V
5670MHz		5462.35	47.75	-20.45	68.2	40.02	32.04	8.19	32.5	100	53	P	V
		5454.3	39.53	-14.47	54	31.8	32.04	8.19	32.5	100	53	A	V
	*	5670	93.97	-	-	85.43	32.27	8.83	32.56	100	53	P	V
	*	5670	86.35	-	-	77.81	32.27	8.83	32.56	100	53	A	V
		5746.45	51.16	-17.04	68.2	42.34	32.34	9.07	32.59	100	53	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11020	45.41	-28.59	74	59.47	40.09	12.34	66.49	100	0	P	H
HT40		16530	43.42	-24.78	68.2	54.72	38.88	16.21	66.39	100	0	P	H
CH 102		11020	43.7	-30.3	74	57.76	40.09	12.34	66.49	100	0	P	V
5510MHz		16530	43.73	-24.47	68.2	55.03	38.88	16.21	66.39	100	0	P	V
802.11n		11100	44.4	-29.6	74	58.4	40.04	12.4	66.44	100	0	P	H
HT40		16650	43.35	-24.85	68.2	54.27	39.14	16.31	66.37	100	0	P	H
CH 110		11100	44.47	-29.53	74	58.47	40.04	12.4	66.44	100	0	P	V
5550MHz		16650	44.67	-23.53	68.2	55.59	39.14	16.31	66.37	100	0	P	V
802.11n		11340	44.75	-29.25	74	58.55	39.9	12.6	66.3	100	0	P	H
HT40		17010	44.56	-23.64	68.2	54.27	39.98	16.59	66.28	100	0	P	H
CH 134		11340	44.57	-29.43	74	58.37	39.9	12.6	66.3	100	0	P	V
5670MHz		17010	44.88	-23.32	68.2	54.59	39.98	16.59	66.28	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5448.4	50.45	-23.55	74	42.72	32.04	8.19	32.5	112	123	P	H
		5462.56	51.9	-16.3	68.2	44.15	32.06	8.19	32.5	112	123	P	H
		5459.68	45.22	-8.78	54	37.49	32.04	8.19	32.5	112	123	A	H
	*	5530	96.77	-	-	88.78	32.12	8.39	32.52	112	123	P	H
	*	5530	88.97	-	-	80.98	32.12	8.39	32.52	112	123	A	H
		5725.94	48.92	-19.28	68.2	40.17	32.32	9.01	32.58	112	123	P	H
		5454.4	48.2	-25.8	74	40.47	32.04	8.19	32.5	100	96	P	V
		5468.32	51.58	-16.62	68.2	43.78	32.06	8.24	32.5	100	96	P	V
		5457.76	42.2	-11.8	54	34.47	32.04	8.19	32.5	100	96	A	V
	*	5530	89.61	-	-	81.62	32.12	8.39	32.52	100	96	P	V
	*	5530	81.3	-	-	73.31	32.12	8.39	32.52	100	96	A	V
		5743.895	48.57	-19.63	68.2	39.75	32.34	9.07	32.59	100	96	P	V
802.11ac VHT80 CH 122 5610MHz		5449.05	49.07	-24.93	74	41.34	32.04	8.19	32.5	100	119	P	H
		5464.1	48.21	-19.99	68.2	40.46	32.06	8.19	32.5	100	119	P	H
		5452.9	41.81	-12.19	54	34.08	32.04	8.19	32.5	100	119	A	H
	*	5610	96.7	-	-	88.4	32.2	8.64	32.54	100	119	P	H
	*	5610	90	-	-	81.7	32.2	8.64	32.54	100	119	A	H
		5749.95	50.42	-17.78	68.2	41.6	32.34	9.07	32.59	100	119	P	H
		5446.6	47.02	-26.98	74	39.33	32.04	8.15	32.5	327	72	P	V
		5463.75	47.64	-20.56	68.2	39.89	32.06	8.19	32.5	327	72	P	V
		5453.25	39.98	-14.02	54	32.25	32.04	8.19	32.5	327	72	A	V
	*	5610	92.5	-	-	84.2	32.2	8.64	32.54	327	72	P	V
	*	5610	85.8	-	-	77.5	32.2	8.64	32.54	327	72	A	V
		5749.95	49.54	-18.66	68.2	40.72	32.34	9.07	32.59	327	72	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11060	46.11	-27.89	74	60.14	40.06	12.37	66.46	100	0	P	H
VHT80		16590	43.06	-25.14	68.2	54.18	38.99	16.27	66.38	100	0	P	H
CH 106		11060	45.63	-28.37	74	59.66	40.06	12.37	66.46	100	0	P	V
5530MHz		16590	43.66	-24.54	68.2	54.78	38.99	16.27	66.38	100	0	P	V
802.11ac		11220	44.49	-29.51	74	58.38	39.97	12.51	66.37	100	0	P	H
VHT80		16830	44.06	-24.14	68.2	54.42	39.52	16.45	66.33	100	0	P	H
CH 122		11220	44.13	-29.87	74	58.02	39.97	12.51	66.37	100	0	P	V
5610MHz		16830	44.26	-23.94	68.2	54.62	39.52	16.45	66.33	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	106.74	-	-	97.99	32.32	9.01	32.58	100	224	P	H
	*	5720	99.35	-	-	90.6	32.32	9.01	32.58	100	224	A	H
	*	5720	101.34	-	-	92.59	32.32	9.01	32.58	100	52	P	V
	*	5720	94.34	-	-	85.59	32.32	9.01	32.58	100	52	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	43.85	-30.15	74	57.56	39.84	12.69	66.24	100	0	P	H
		17160	45.51	-22.69	68.2	54.21	40.7	16.7	66.1	100	0	P	H
		11440	44.04	-29.96	74	57.75	39.84	12.69	66.24	100	0	P	V
		17160	44.96	-23.24	68.2	53.66	40.7	16.7	66.1	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n	*	5700	106.41	-	-	97.74	32.29	8.95	32.57	120	192	P	H
HT20	*	5700	99.19	-	-	90.52	32.29	8.95	32.57	120	192	A	H
CH 144	*	5700	100.87	-	-	92.2	32.29	8.95	32.57	105	52	P	V
5720MHz	*	5700	93.62	-	-	84.95	32.29	8.95	32.57	105	52	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	43.51	-30.49	74	57.22	39.84	12.69	66.24	100	0	P	H
		17160	46	-22.2	68.2	54.7	40.7	16.7	66.1	100	0	P	H
		11440	43.59	-30.41	74	57.3	39.84	12.69	66.24	100	0	P	V
		17160	44.6	-23.6	68.2	53.3	40.7	16.7	66.1	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n	*	5710	101.46	-	-	92.78	32.31	8.95	32.58	100	191	P	H
HT40	*	5710	94.31	-	-	85.63	32.31	8.95	32.58	100	191	A	H
CH 142	*	5710	96.33	-	-	87.65	32.31	8.95	32.58	100	52	P	V
5710MHz	*	5710	89.19	-	-	80.51	32.31	8.95	32.58	100	52	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11420	45.21	-28.79	74	58.93	39.85	12.68	66.25	100	0	P	H
HT40		17130	45.92	-22.28	68.2	54.83	40.54	16.69	66.14	100	0	P	H
CH 142		11420	45.26	-28.74	74	58.98	39.85	12.68	66.25	100	0	P	V
5710MHz		17130	44.81	-23.39	68.2	53.72	40.54	16.69	66.14	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	5690	98.22	-	-	89.61	32.29	8.89	32.57	100	208	P	H
VHT80	*	5690	91.43	-	-	82.82	32.29	8.89	32.57	100	208	A	H
CH 138	*	5690	92.32	-	-	83.71	32.29	8.89	32.57	100	52	P	V
5690MHz	*	5690	85.45	-	-	76.84	32.29	8.89	32.57	100	52	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11380	44.27	-29.73	74	58.02	39.87	12.65	66.27	100	0	P	H
VHT80		17070	44.44	-23.76	68.2	53.81	40.22	16.63	66.22	100	0	P	H
CH 138		11380	44.15	-29.85	74	57.9	39.87	12.65	66.27	100	0	P	V
5690MHz		17070	44.53	-23.67	68.2	53.9	40.22	16.63	66.22	100	0	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

Band 1 - Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		106.14	29.89	-13.61	43.5	44.67	16.64	1.29	32.71	-	-	P	H
		196.05	31.87	-11.63	43.5	47.72	14.91	1.88	32.64	100	0	P	H
		216.57	27.64	-18.36	46	43.12	15.21	1.94	32.63	-	-	P	H
		616.4	27.36	-18.64	46	31.13	25.83	3.21	32.81	-	-	P	H
		748.7	30.15	-15.85	46	31.11	28.26	3.5	32.72	-	-	P	H
		864.2	31.59	-14.41	46	30.92	29.16	3.8	32.29	-	-	P	H
		44.31	29.83	-10.17	40	44.83	16.86	0.9	32.76	100	0	P	V
		57.54	28.12	-11.88	40	47.68	12.18	1.01	32.75	-	-	P	V
		196.32	29.01	-14.49	43.5	44.86	14.91	1.88	32.64	-	-	P	V
		449.8	25.29	-20.71	46	32.16	23.06	2.69	32.62	-	-	P	V
		648.6	28.7	-17.3	46	31.77	26.45	3.28	32.8	-	-	P	V
		835.5	31.34	-14.66	46	31.44	28.61	3.74	32.45	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 2 - 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		102.36	29.92	-13.58	43.5	45.02	16.32	1.29	32.71	-	-	P	H
		195.78	31.87	-11.63	43.5	47.72	14.91	1.88	32.64	100	0	P	H
		213.06	28.73	-14.77	43.5	44.25	15.17	1.94	32.63	-	-	P	H
		533.1	24.45	-21.55	46	30.04	24.12	2.99	32.7	-	-	P	H
		750.8	30.06	-15.94	46	31	28.27	3.5	32.71	-	-	P	H
		850.9	31.93	-14.07	46	31.52	28.98	3.79	32.36	-	-	P	H
		44.58	29.02	-10.98	40	44.02	16.86	0.9	32.76	100	0	P	V
		51.6	27.94	-12.06	40	45.82	13.96	0.92	32.76	-	-	P	V
		103.17	23.1	-20.4	43.5	38.2	16.32	1.29	32.71	-	-	P	V
		560.4	26.64	-19.36	46	30.18	26.11	3.1	32.75	-	-	P	V
		734.7	29.28	-16.72	46	30.66	27.89	3.46	32.73	-	-	P	V
		823.6	30.81	-15.19	46	31.37	28.27	3.69	32.52	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		99.93	28.53	-14.97	43.5	44.03	15.92	1.29	32.71	-	-	P	H
		196.32	31.71	-11.79	43.5	47.56	14.91	1.88	32.64	100	0	P	H
		214.95	28.53	-14.97	43.5	44.02	15.2	1.94	32.63	-	-	P	H
		560.4	26.79	-19.21	46	30.33	26.11	3.1	32.75	-	-	P	H
		727.7	28.64	-17.36	46	30.37	27.55	3.46	32.74	-	-	P	H
		889.4	32.52	-13.48	46	31.74	29.04	3.89	32.15	-	-	P	H
		44.04	30.08	-9.92	40	44.56	17.38	0.9	32.76	100	0	P	V
		57.54	27.93	-12.07	40	47.49	12.18	1.01	32.75	-	-	P	V
		196.05	28.6	-14.9	43.5	44.45	14.91	1.88	32.64	-	-	P	V
		438.6	23.05	-22.95	46	30.12	22.87	2.68	32.62	-	-	P	V
		585.6	27.97	-18.03	46	32.08	25.55	3.13	32.79	-	-	P	V
		837.6	30.76	-15.24	46	30.75	28.7	3.75	32.44	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

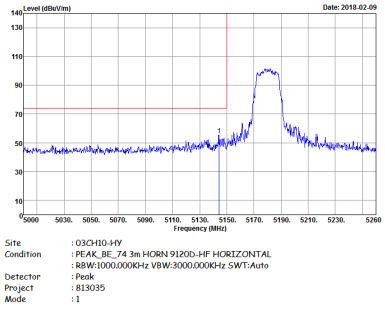
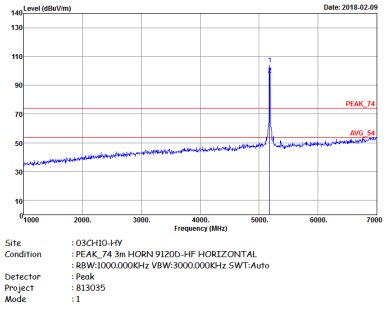
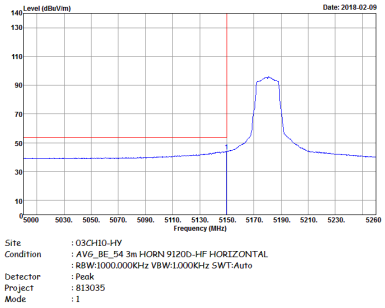
Test Engineer :	Yun Huang, Daniel Lee, and J.C. Liang	**Temperature :**	18~22°C
		Relative Humidity :	48~52%

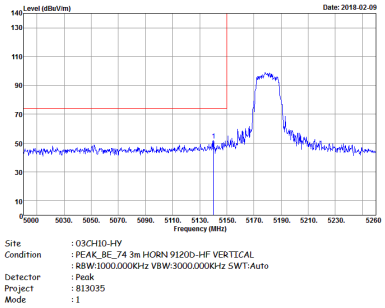
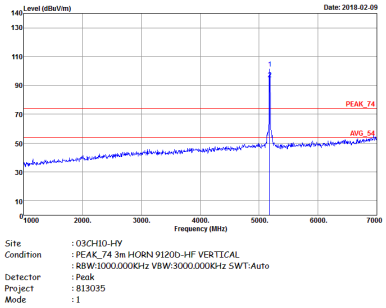
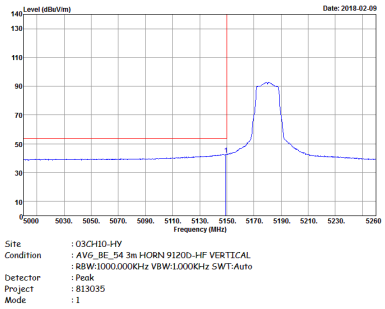
Note symbol

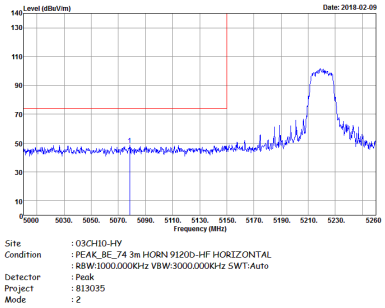
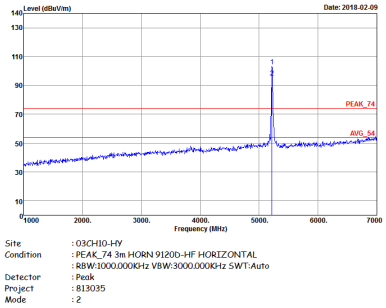
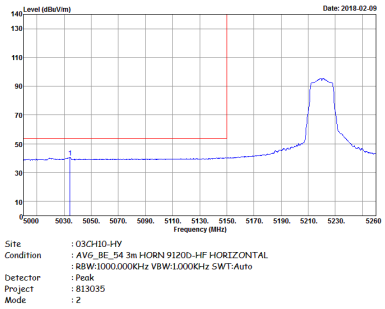
-L	**Low channel location**
-R	**High channel location**

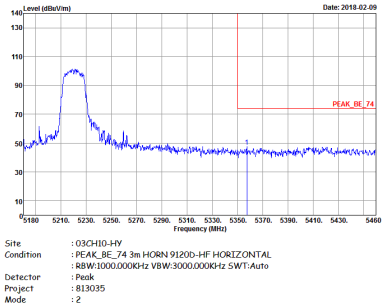
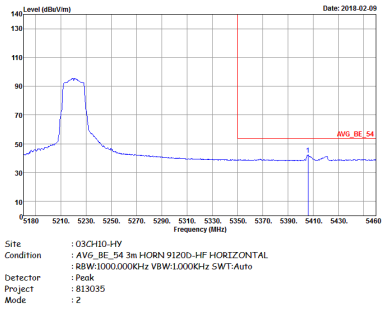
Band 1 - 5150~5250MHz

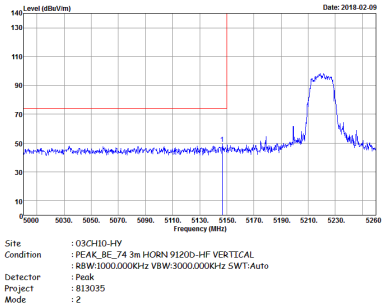
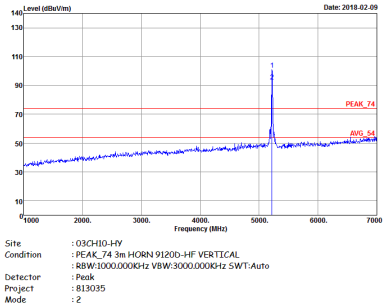
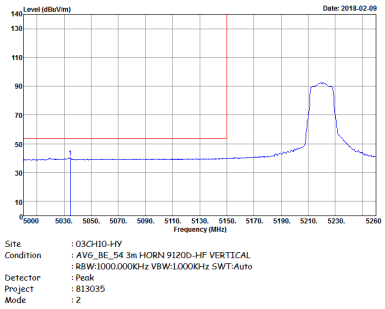
WIFI 802.11a (Band Edge @ 3m)

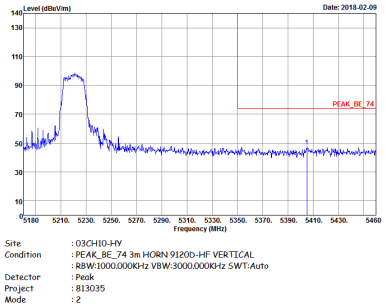
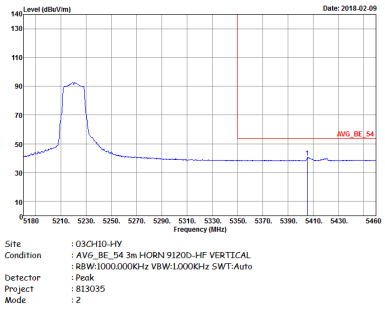
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

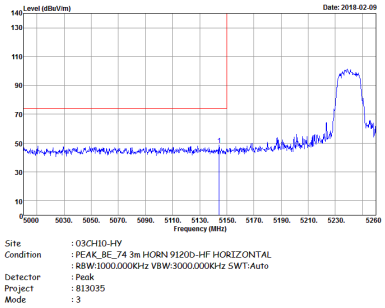
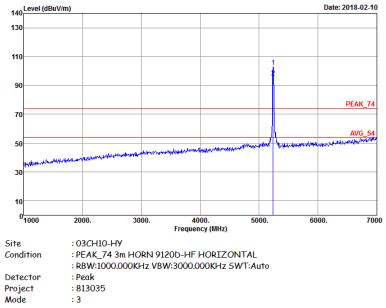
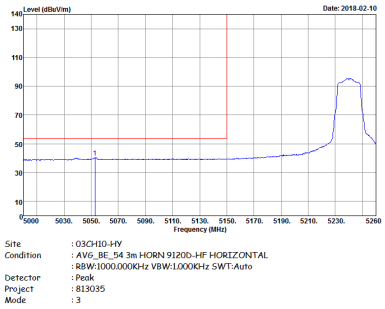
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

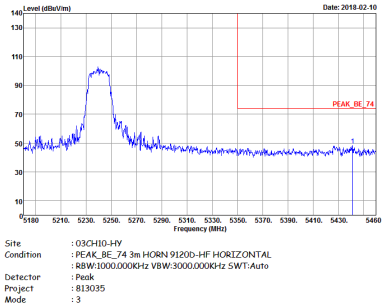
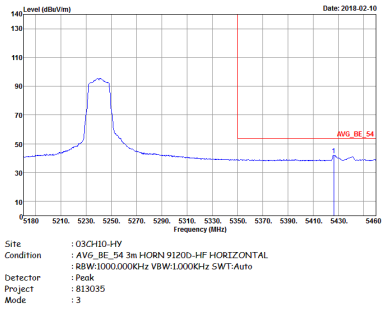
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

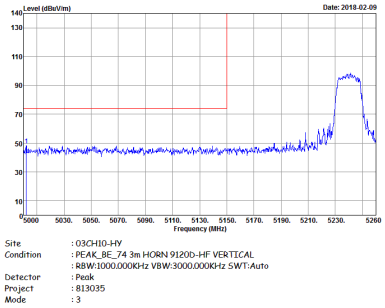
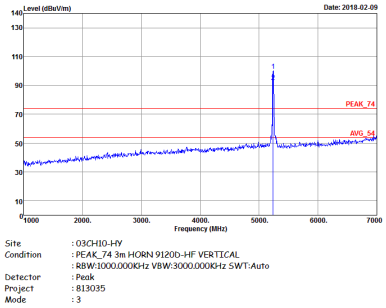
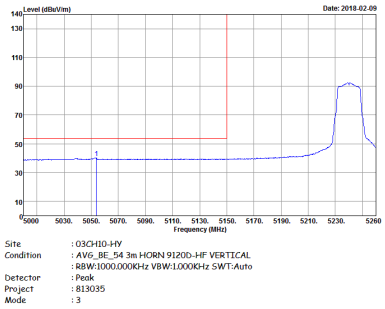
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

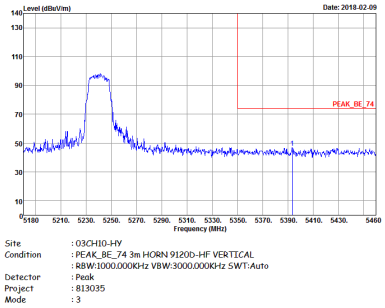
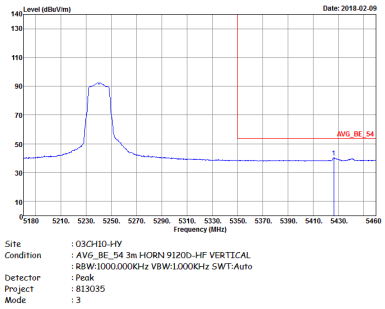
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

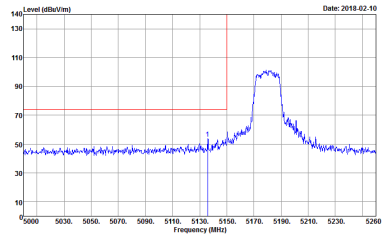
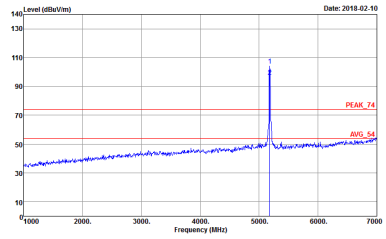
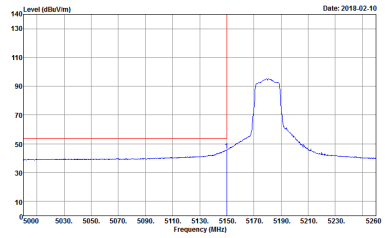
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

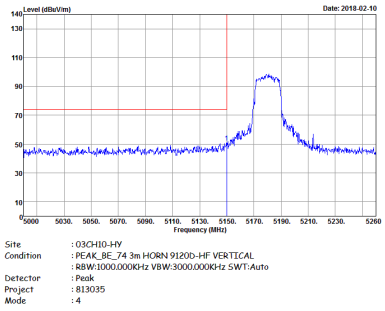
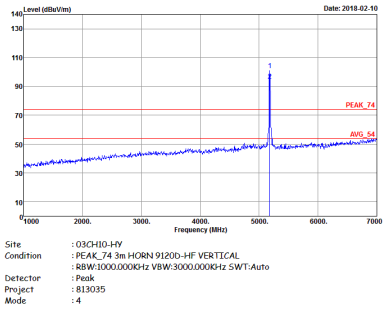
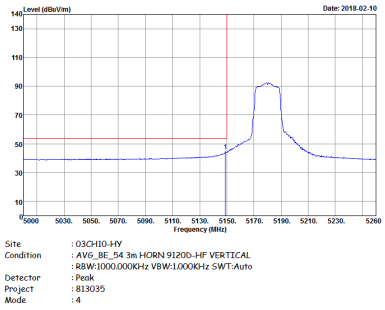
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

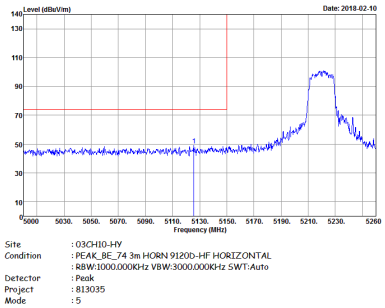
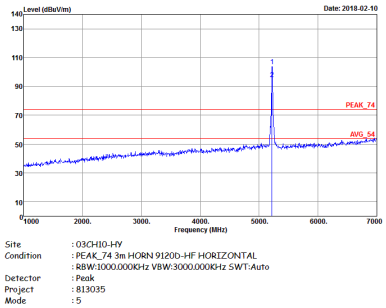
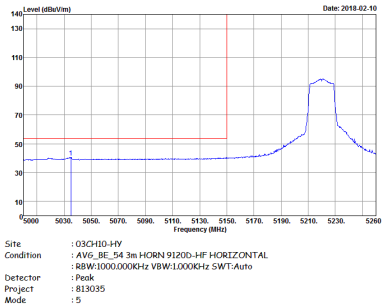
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

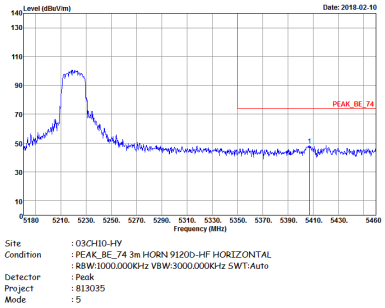
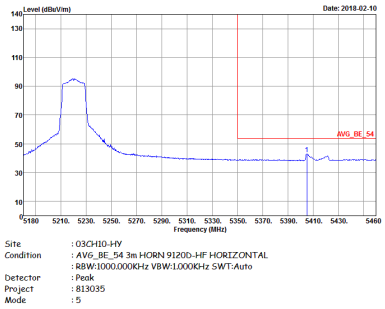
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

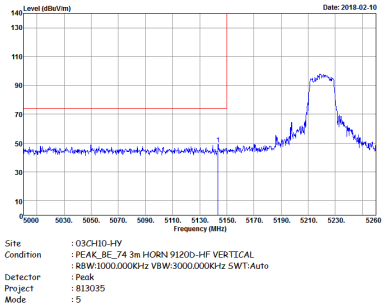
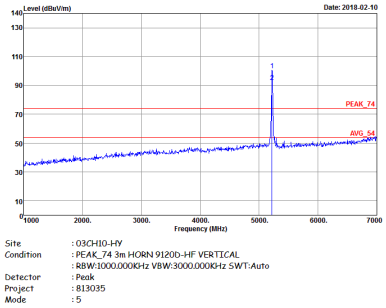
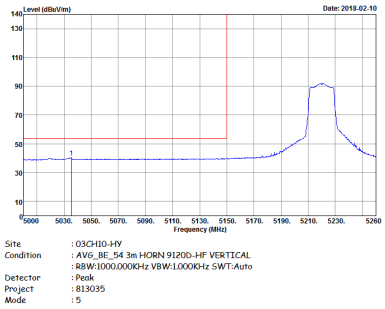
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

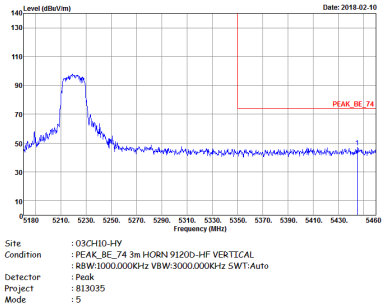
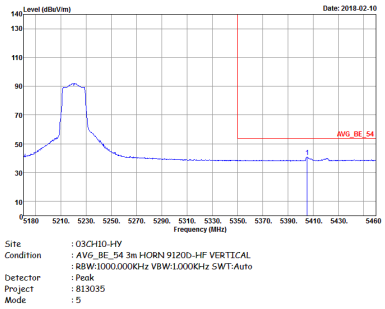
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

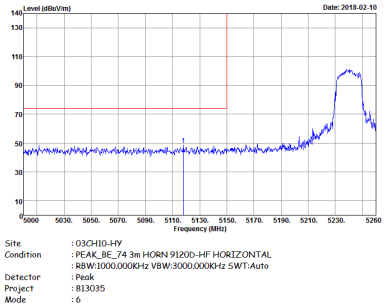
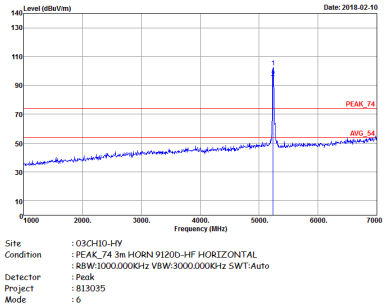
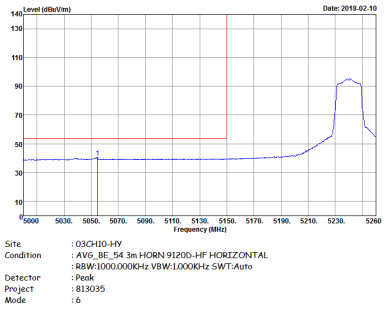
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

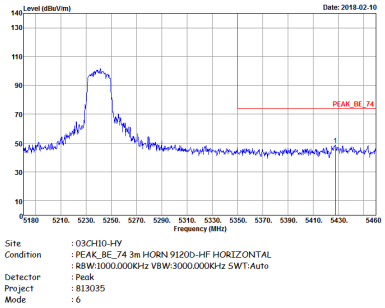
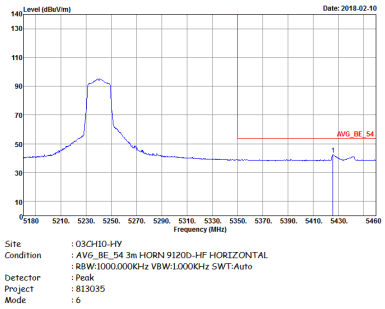
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

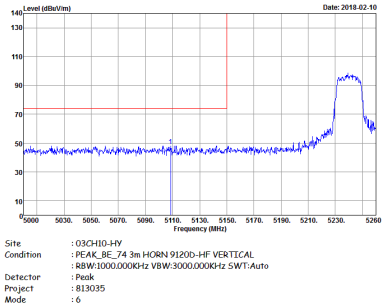
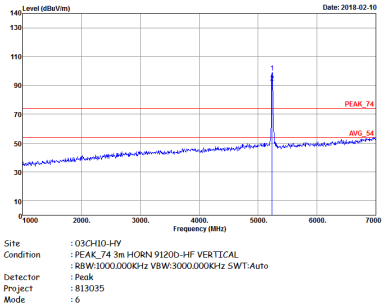
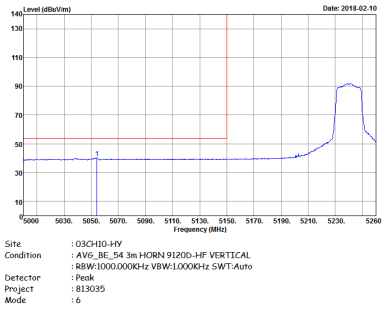
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

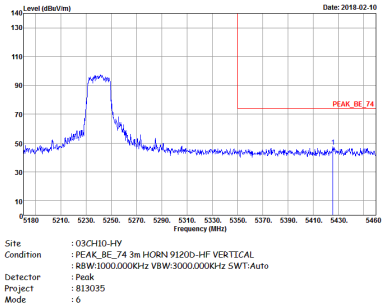
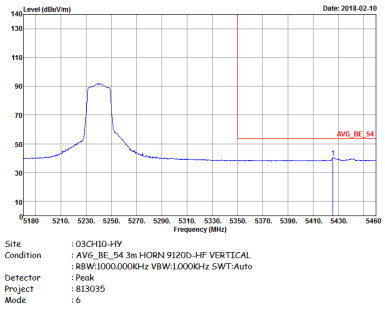
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

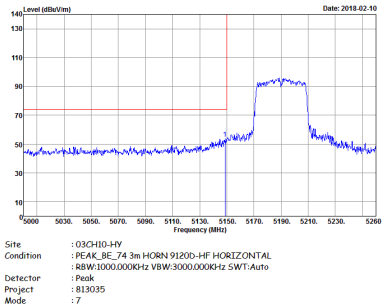
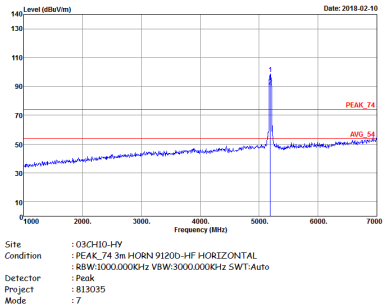
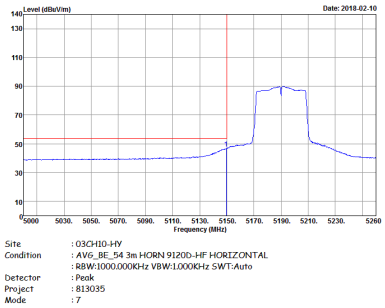
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

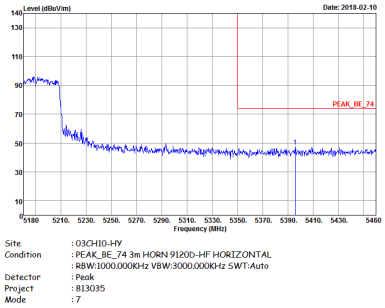
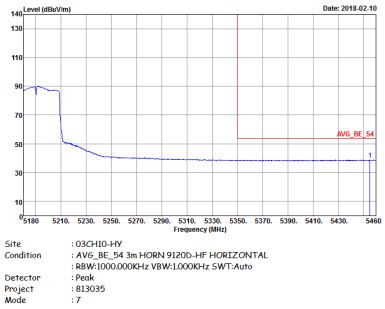
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

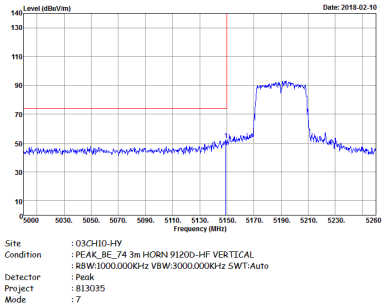
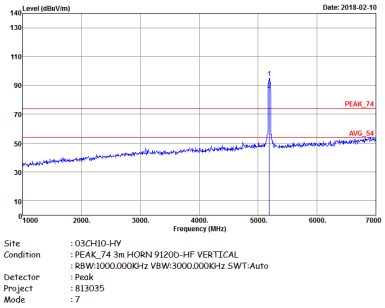
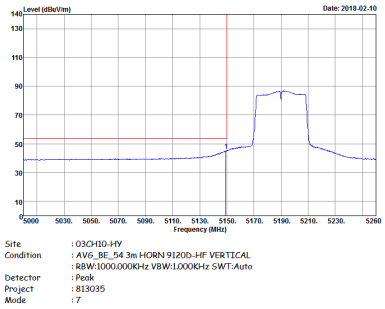
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

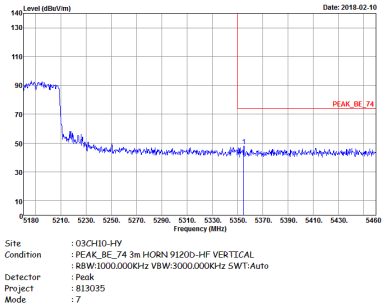
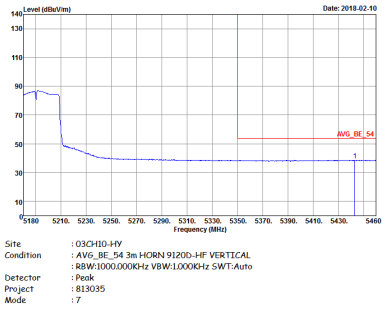
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

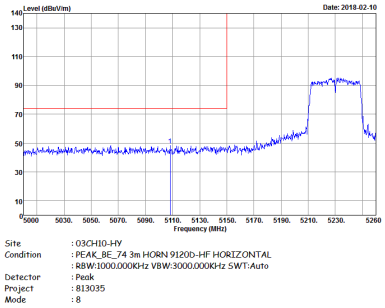
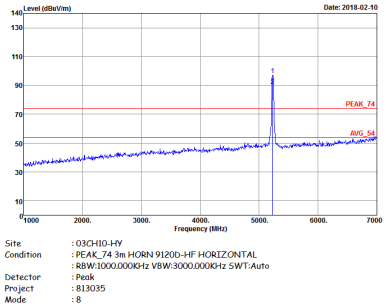
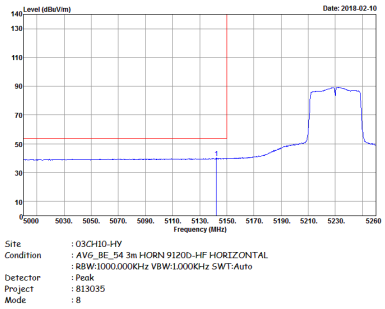
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

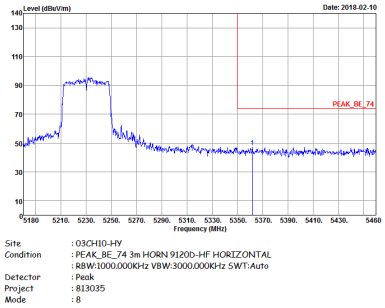
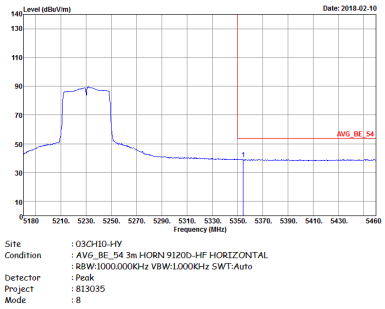
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

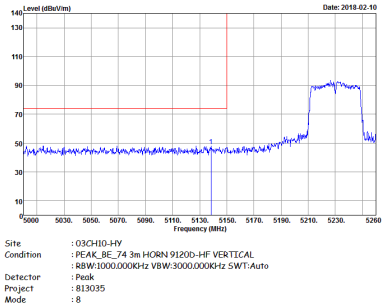
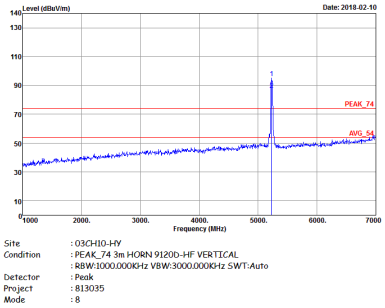
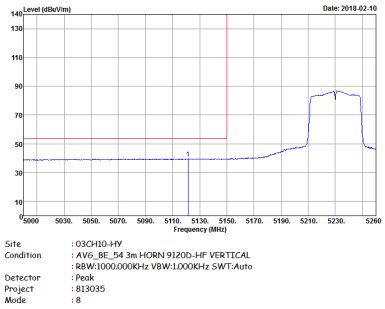
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

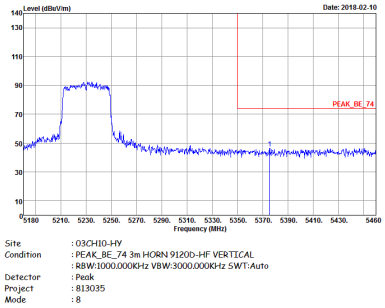
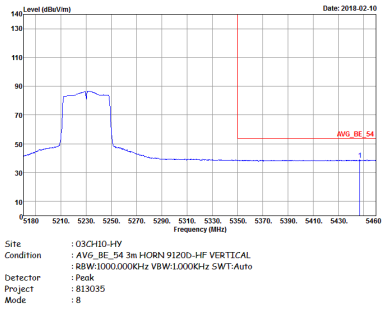
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

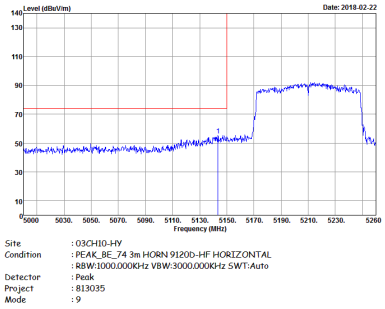
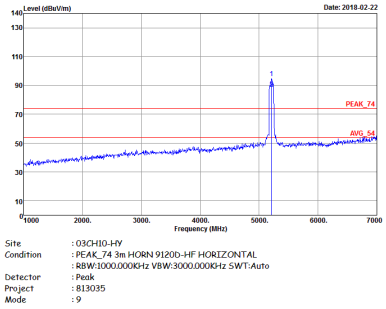
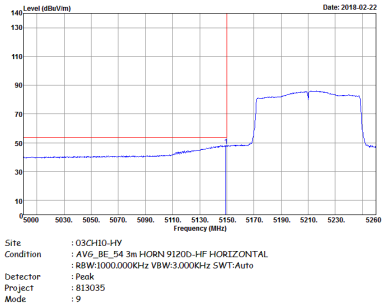
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

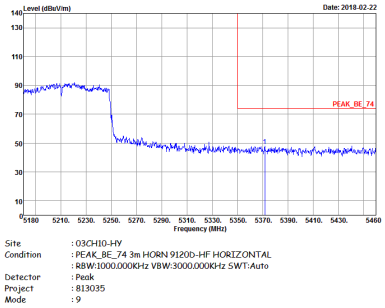
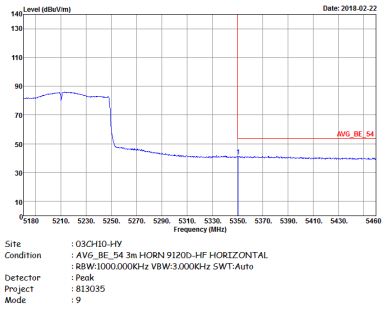
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 813035 Mode : 8	Left blank
Avg.	 Site : 03CH10-HV Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 813035 Mode : 8	Left blank

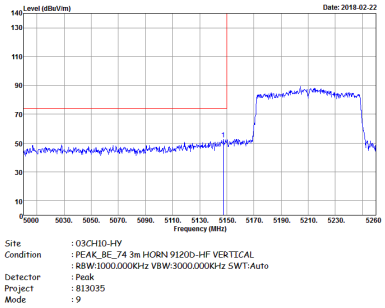
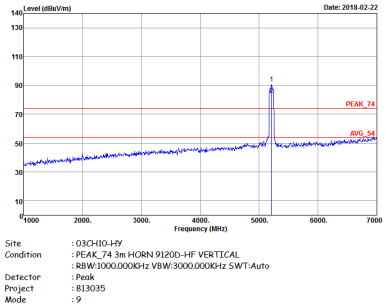
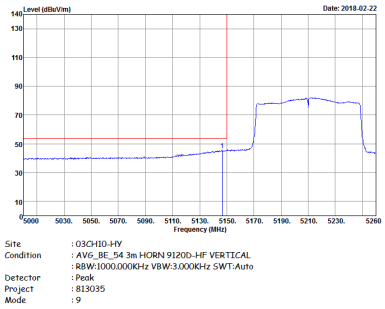
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

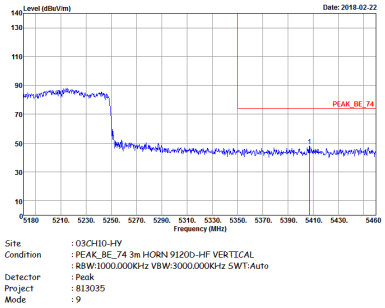
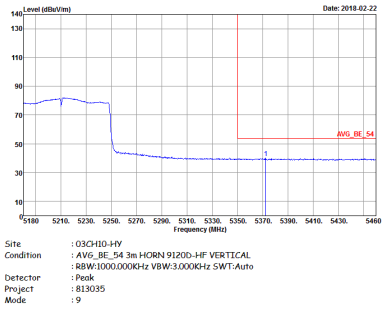
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

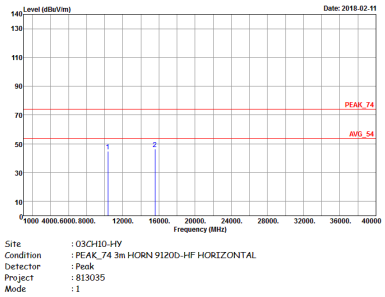
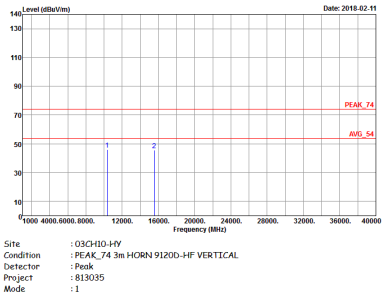
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

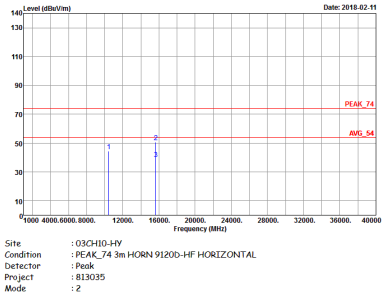
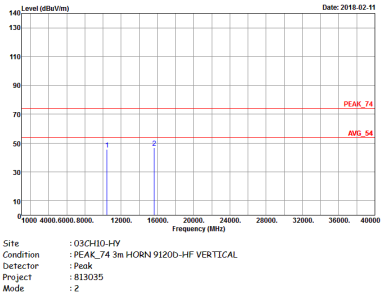
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

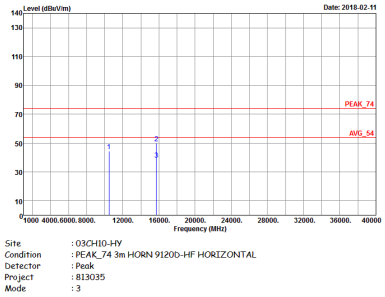
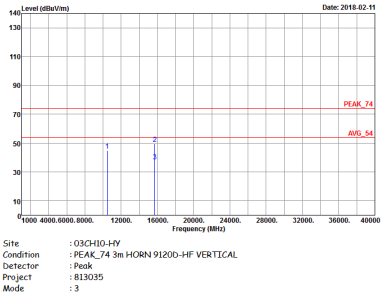
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

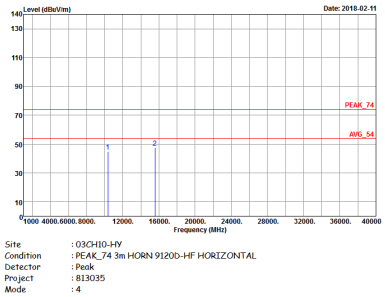
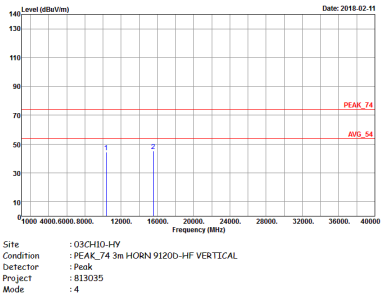
WIFI 802.11a (Harmonic @ 3m)

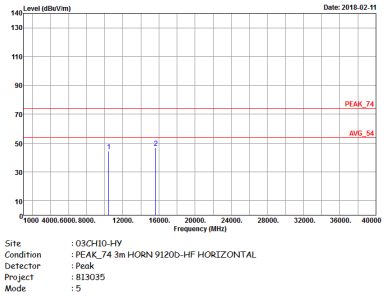
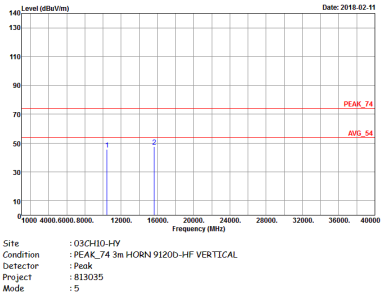
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

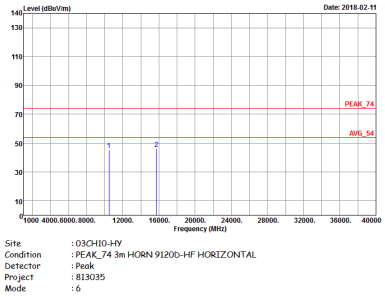
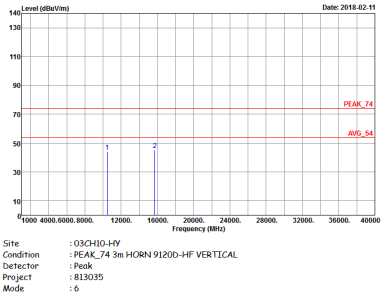
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

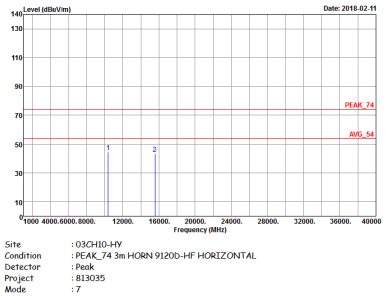
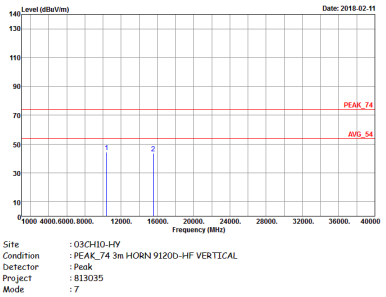
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

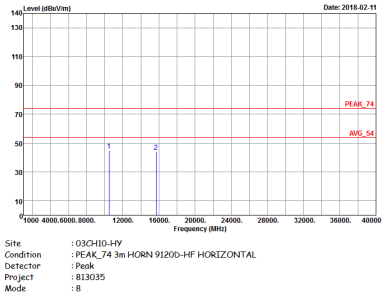
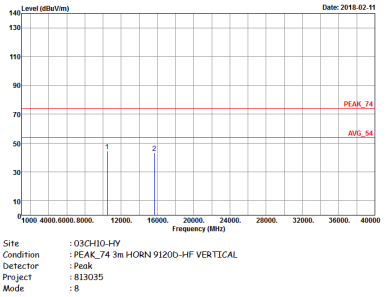
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

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

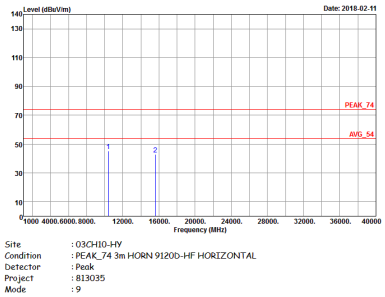
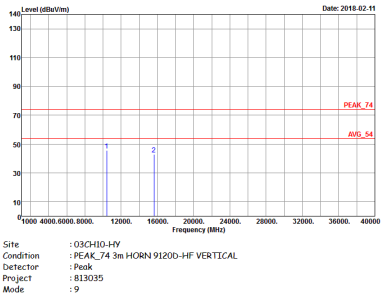
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

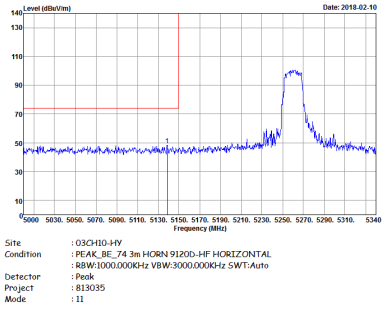
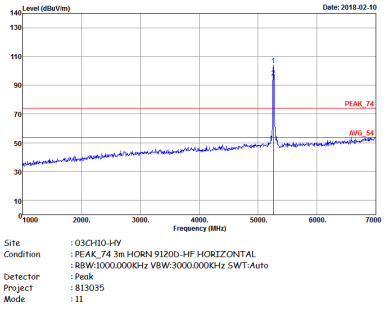
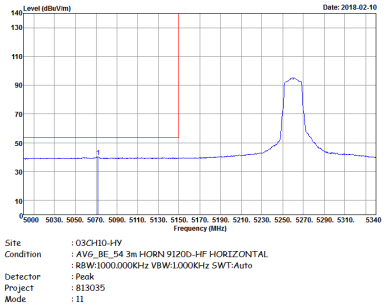
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

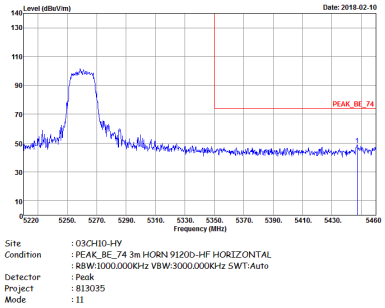
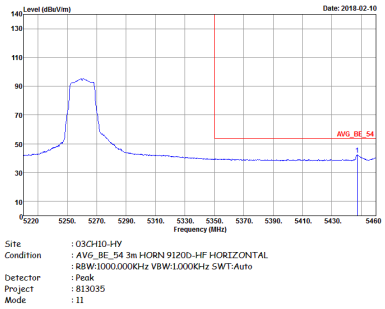
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

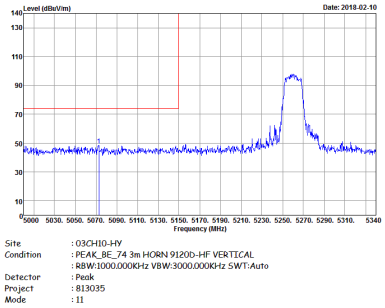
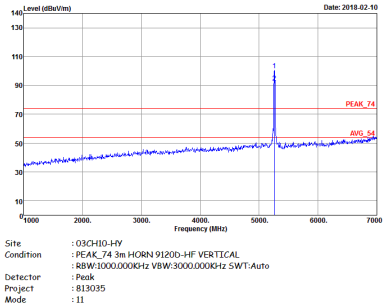
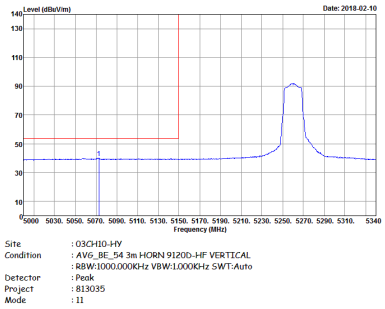
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

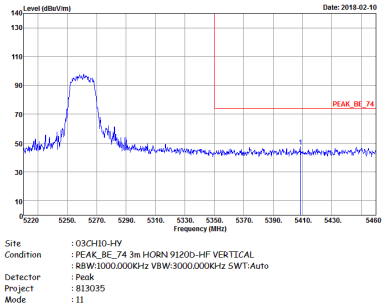
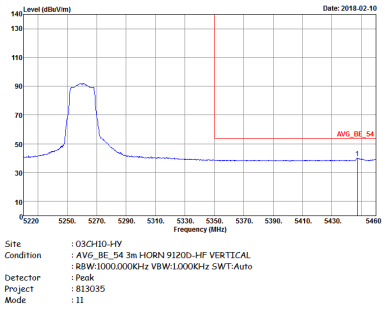
Band 2 - 5250~5350MHz

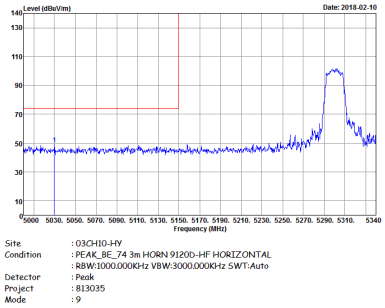
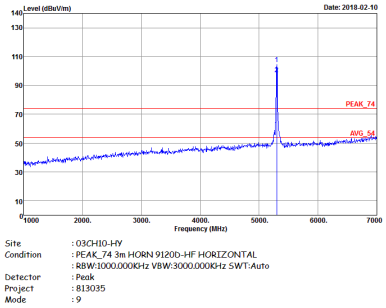
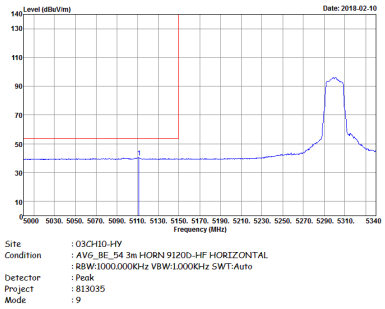
WIFI 802.11a (Band Edge @ 3m)

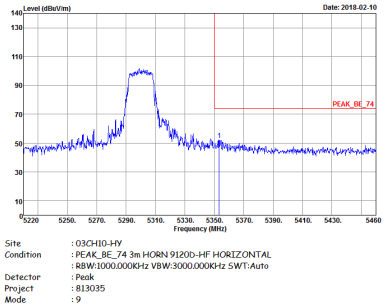
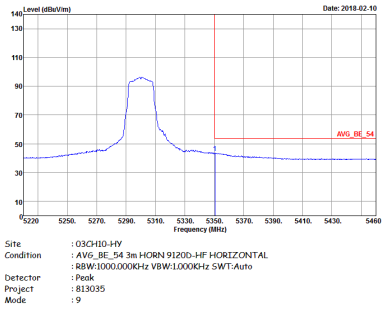
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

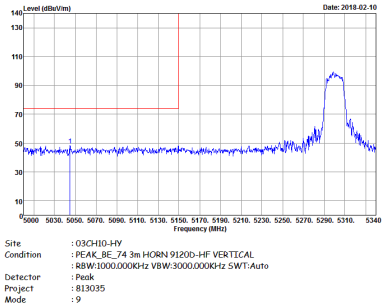
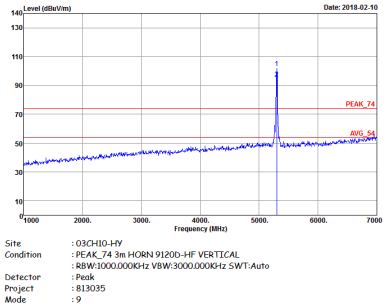
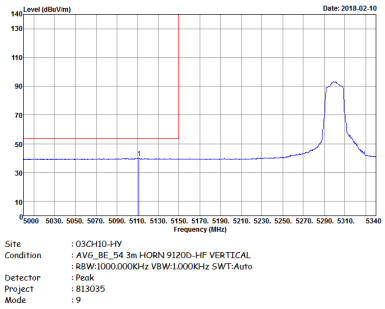
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

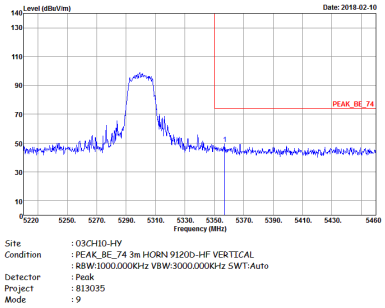
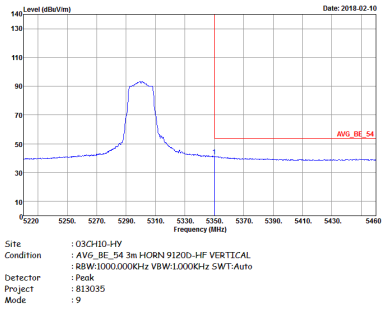
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

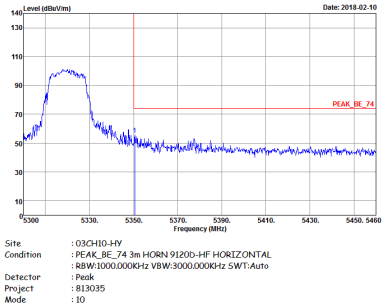
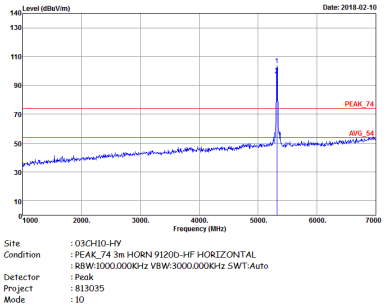
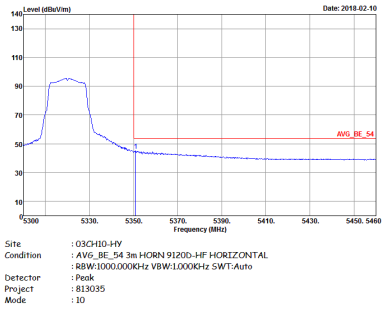
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

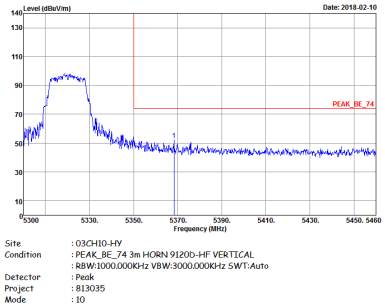
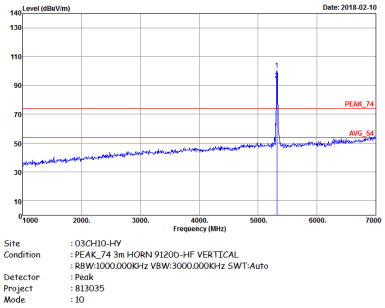
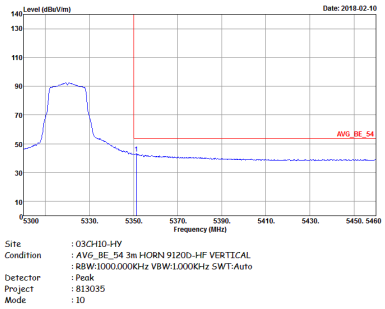
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

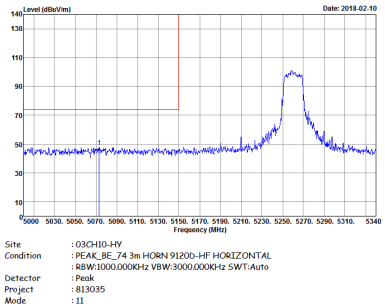
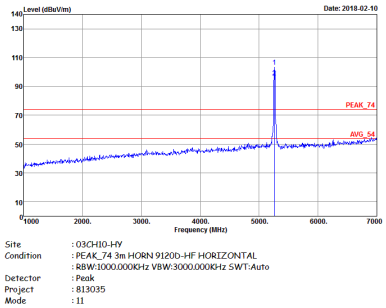
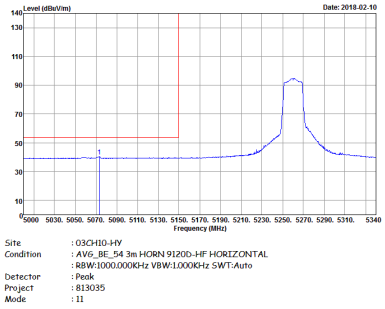
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

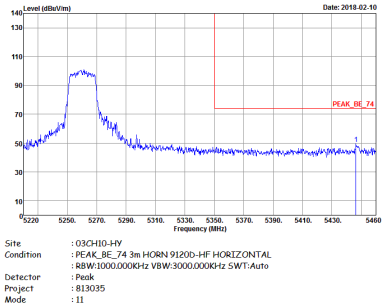
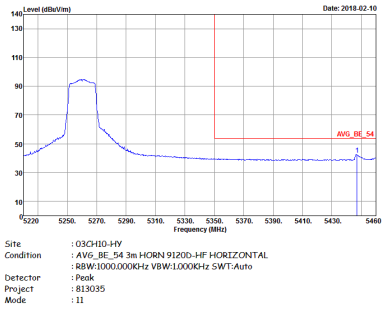
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

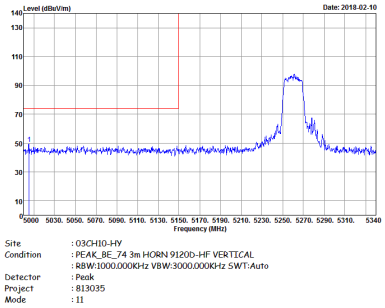
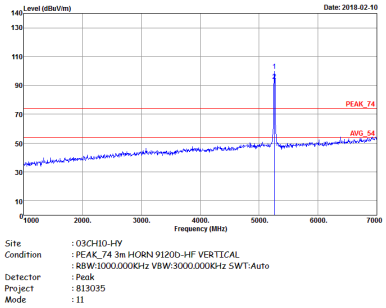
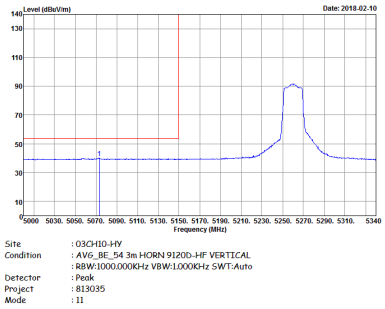
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

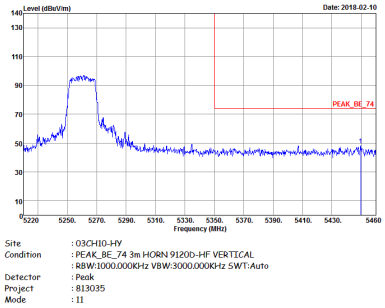
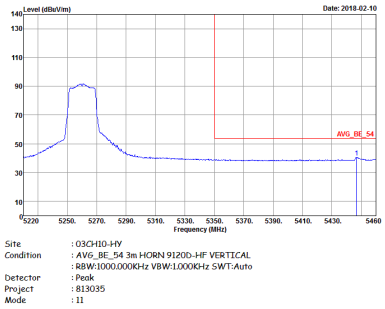
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

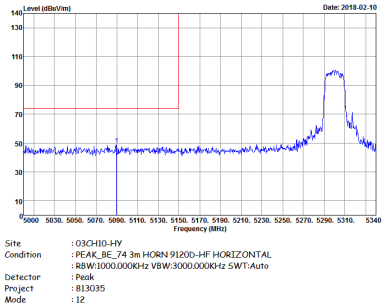
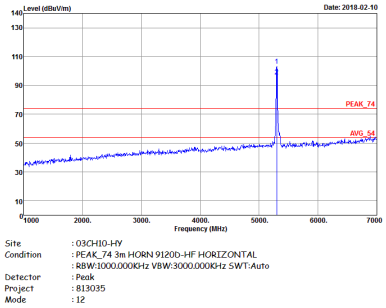
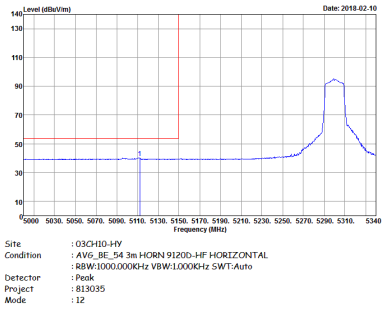
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

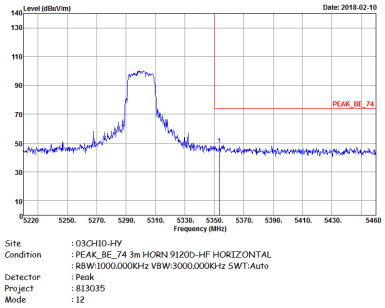
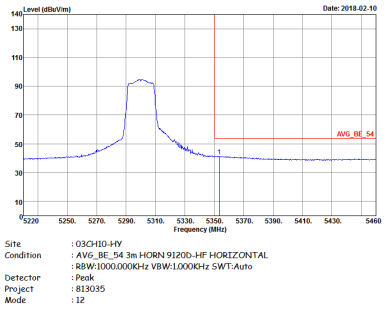
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

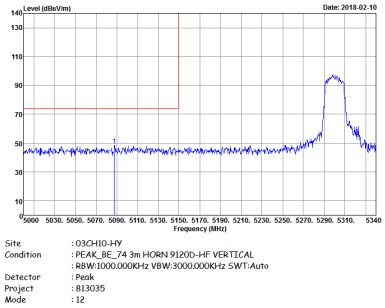
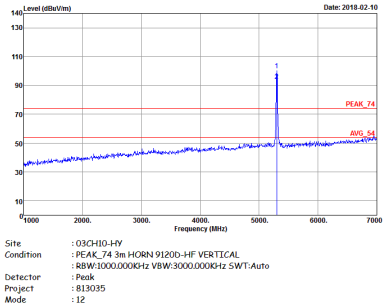
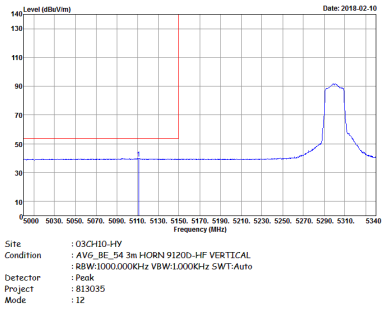
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

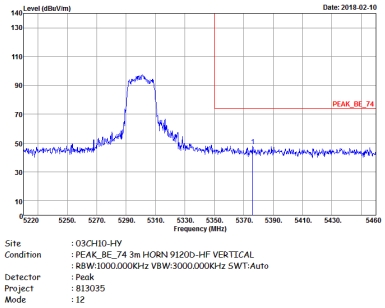
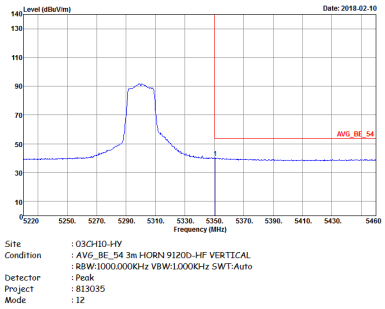
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

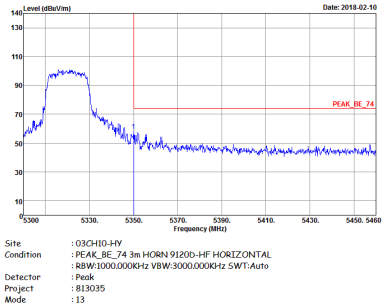
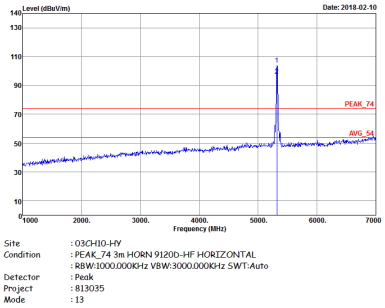
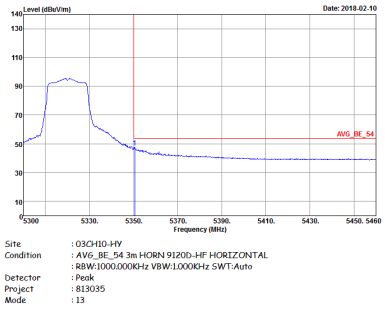
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

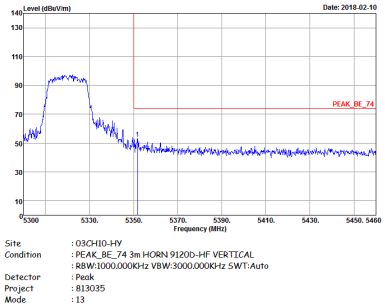
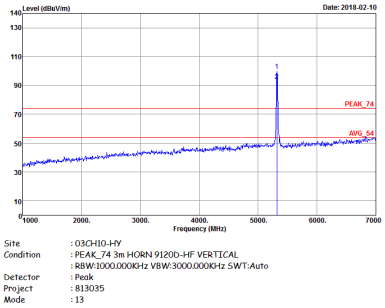
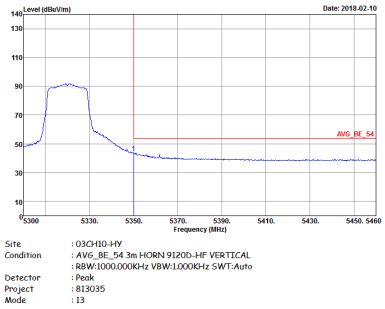
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

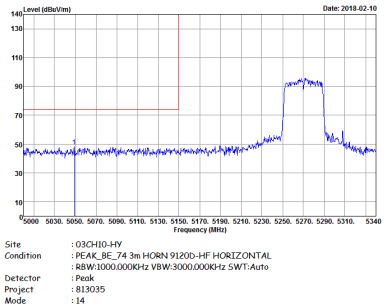
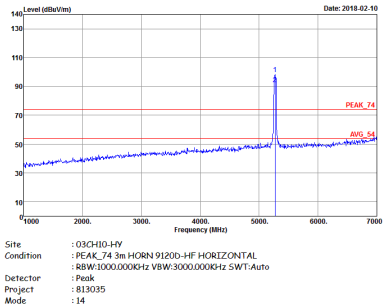
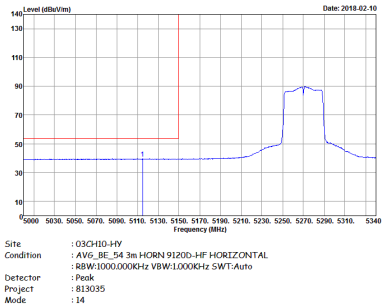
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

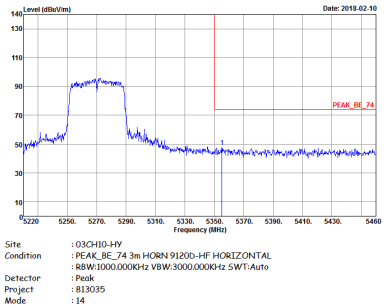
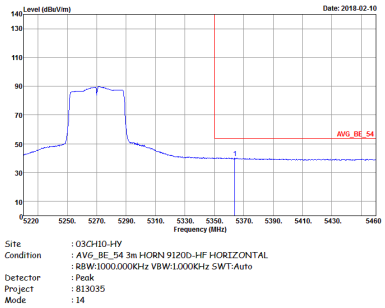
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

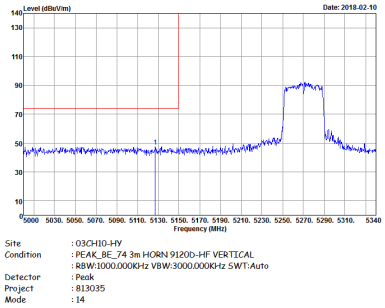
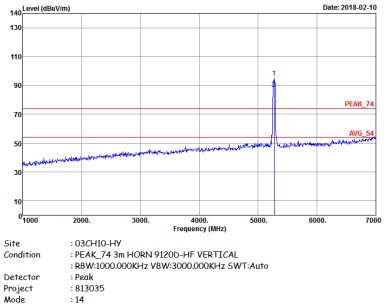
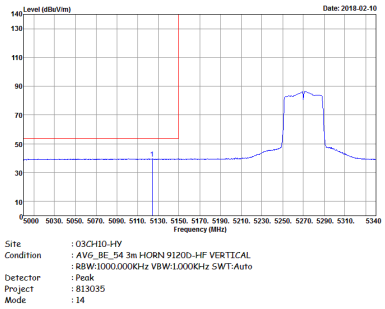
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

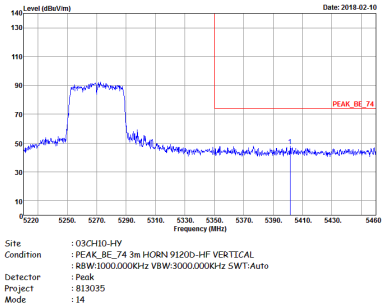
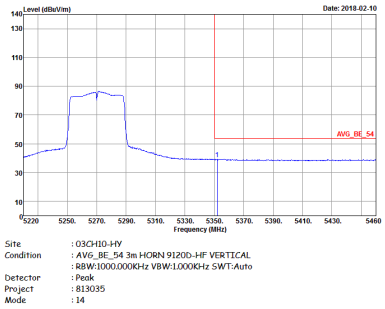
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

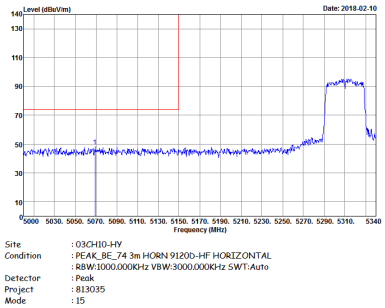
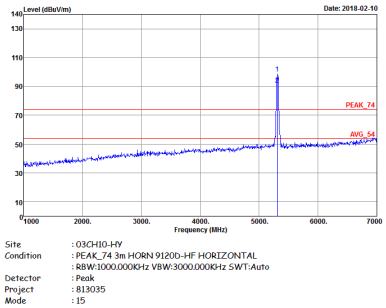
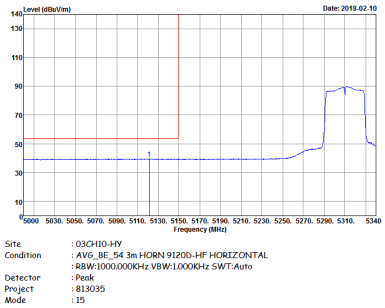
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

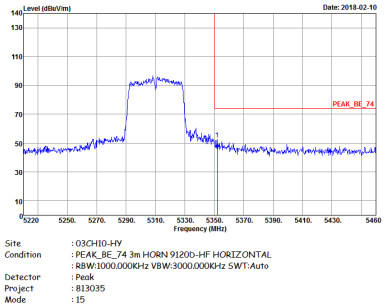
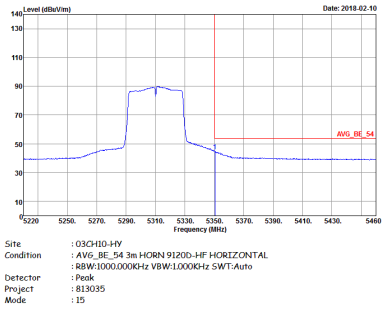
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

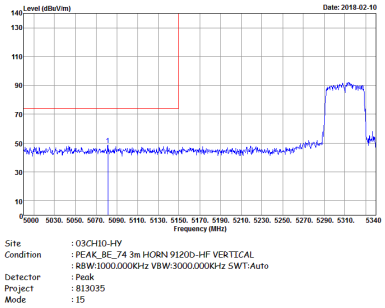
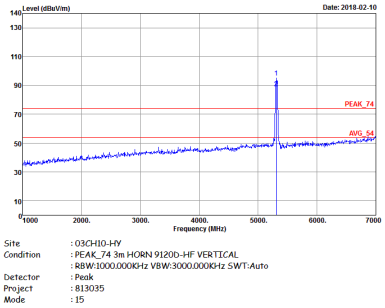
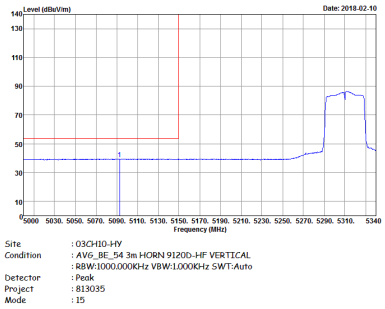
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

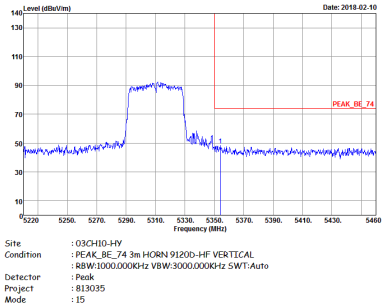
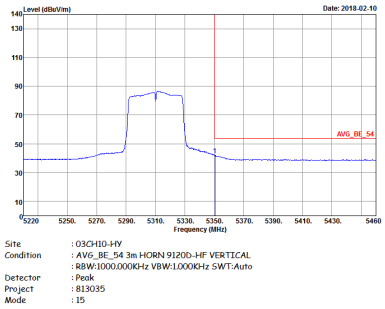
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

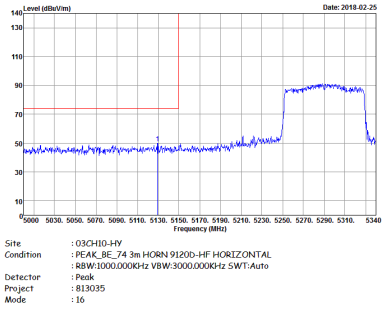
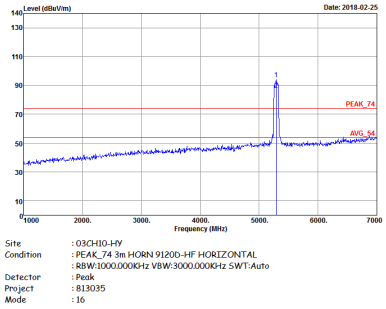
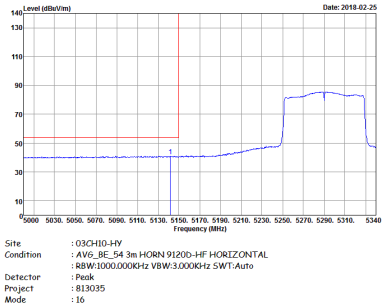
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

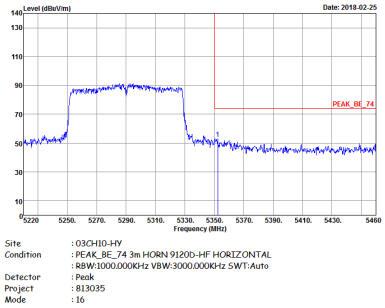
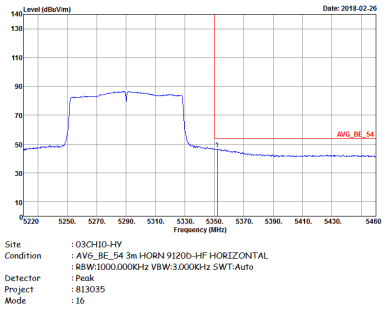
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

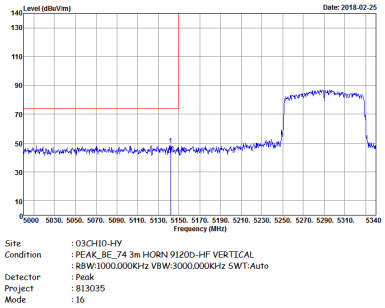
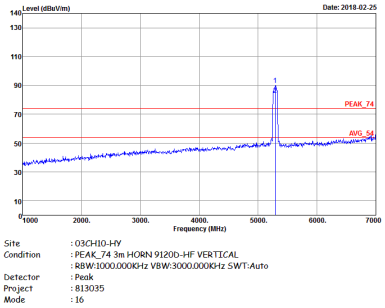
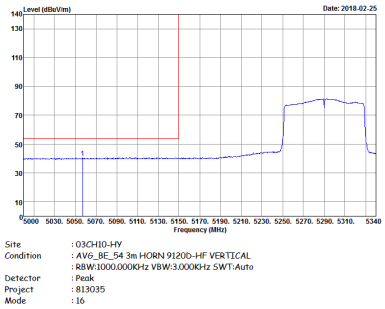
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

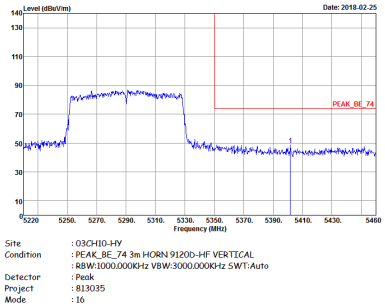
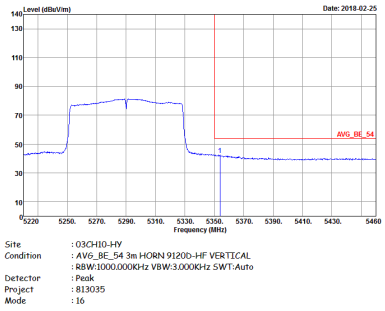
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

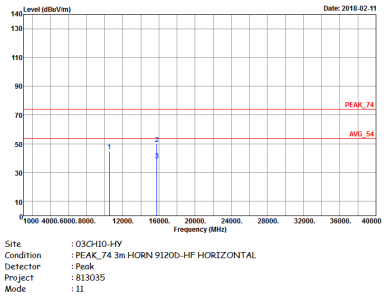
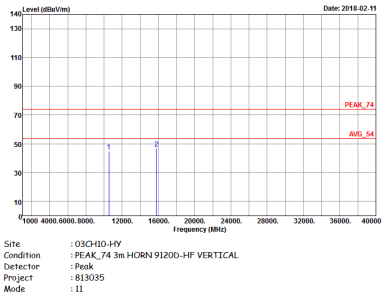
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

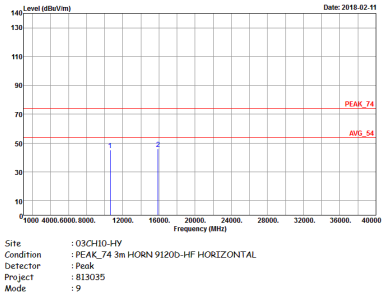
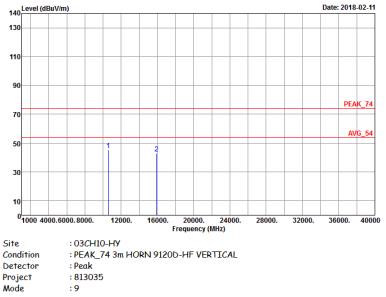
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

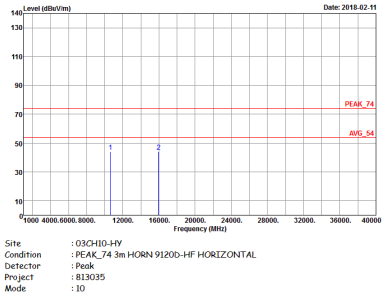
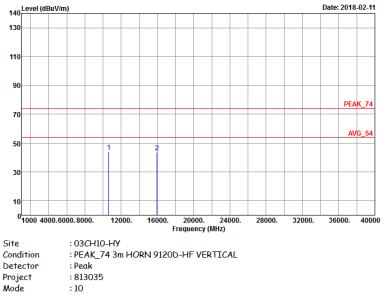
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

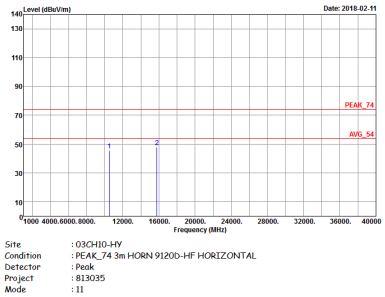
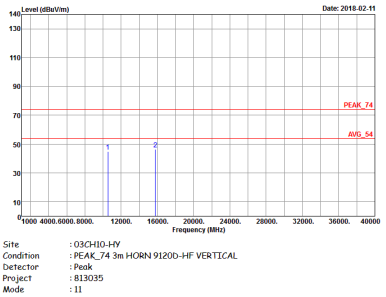
WIFI 802.11a (Harmonic @ 3m)

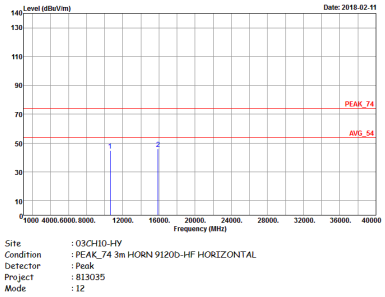
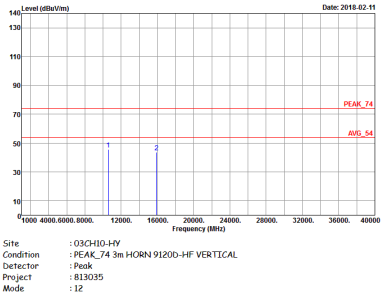
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

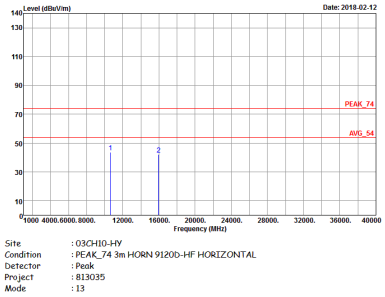
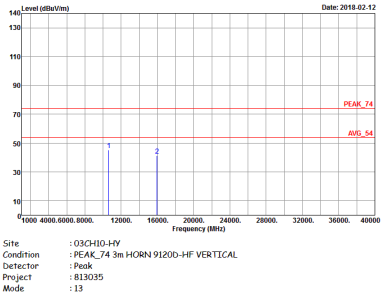
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

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

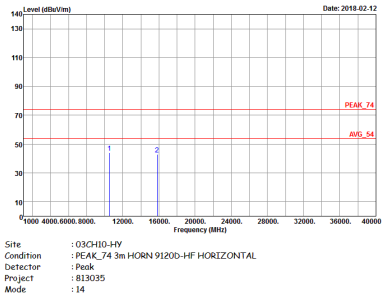
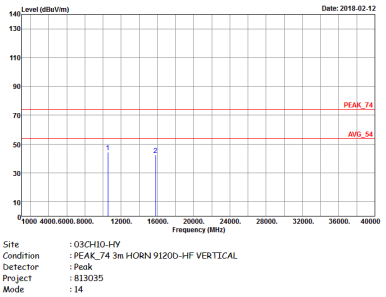
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

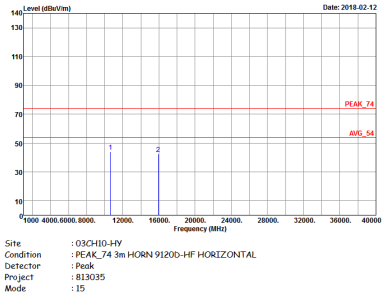
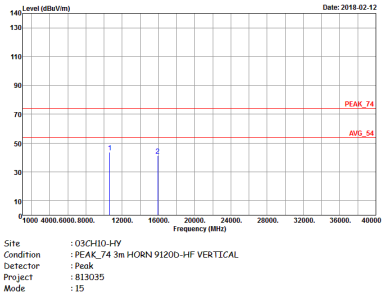
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

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

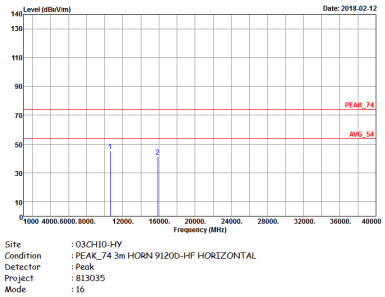
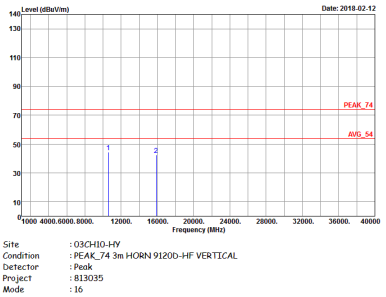
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.		

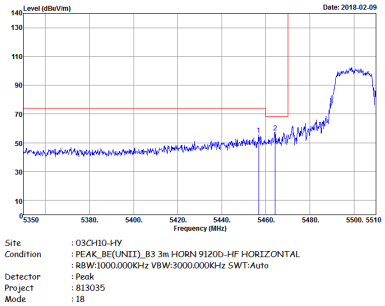
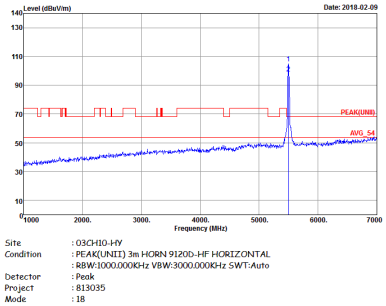
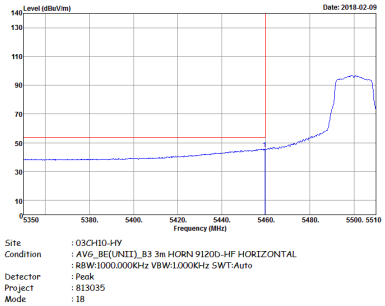
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.		

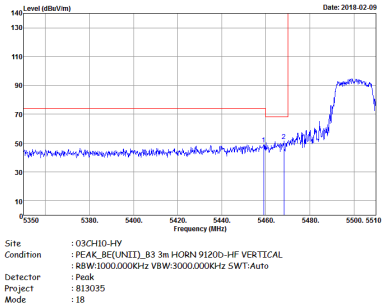
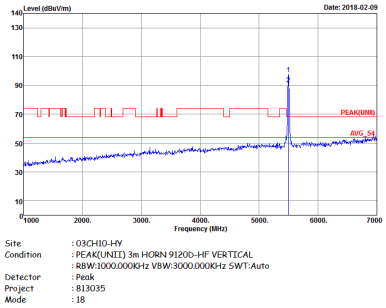
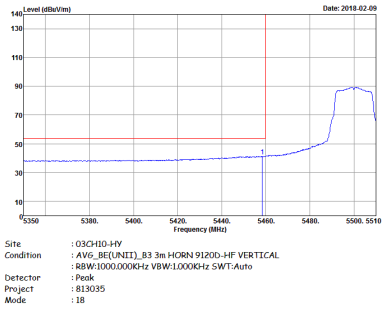
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

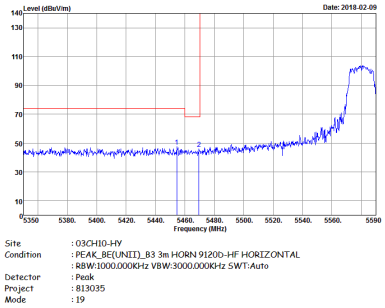
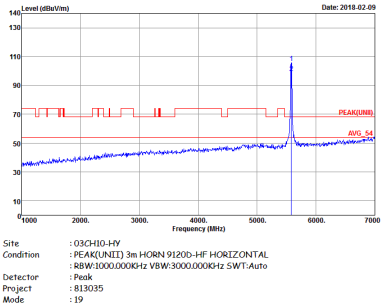
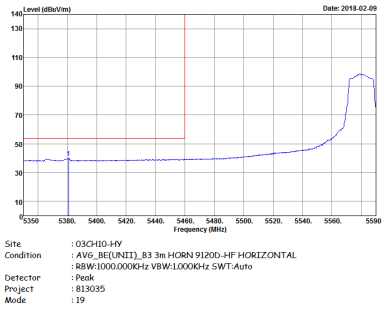
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

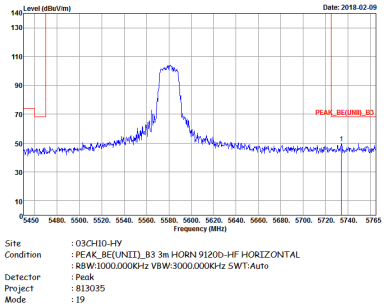
Band 3 - 5470~5725MHz

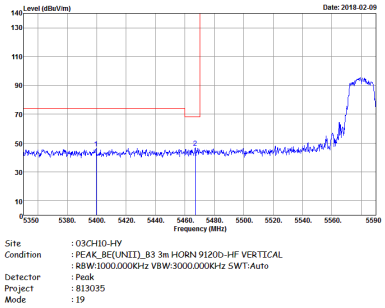
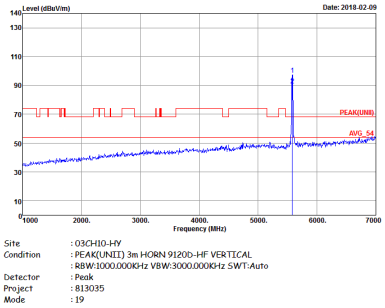
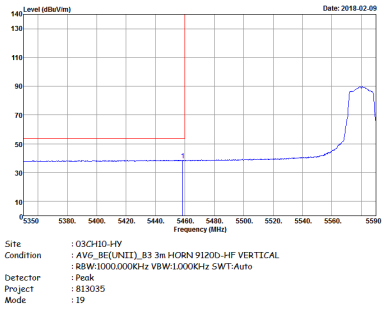
WIFI 802.11a (Band Edge @ 3m)

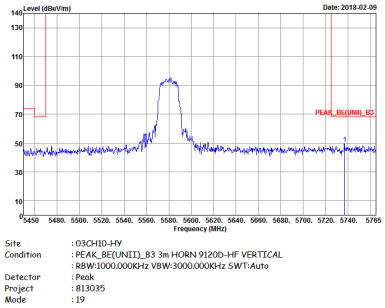
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

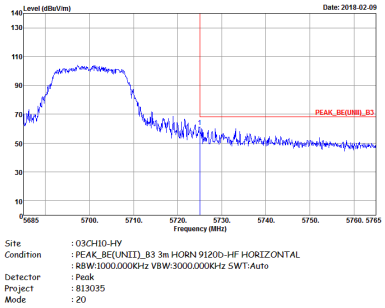
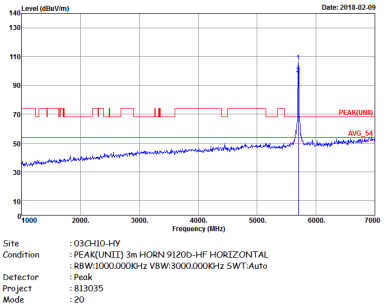
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

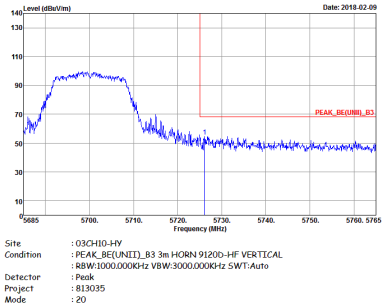
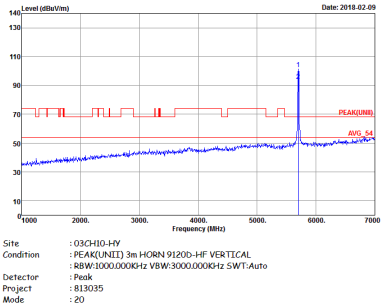
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

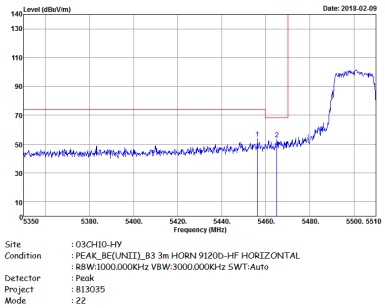
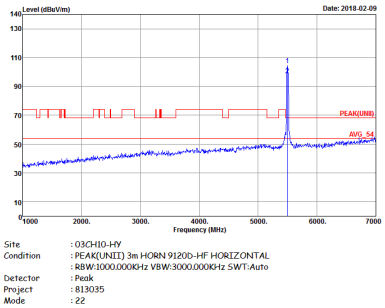
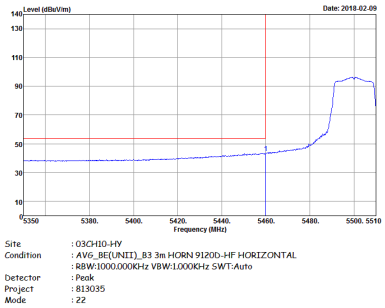
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

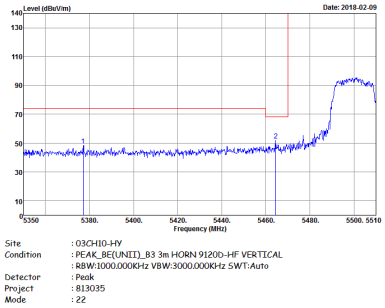
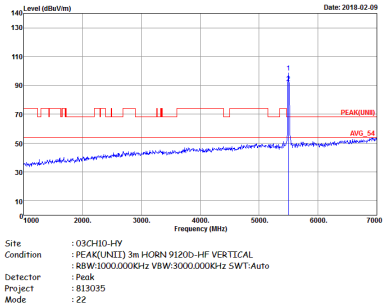
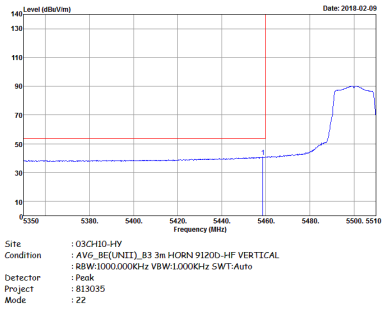
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

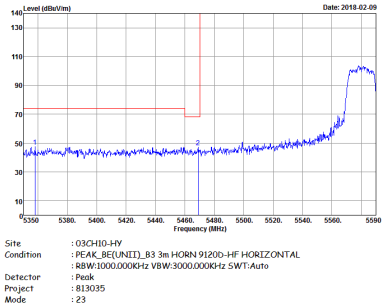
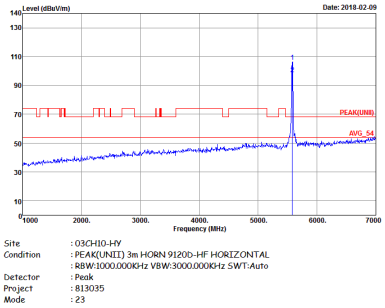
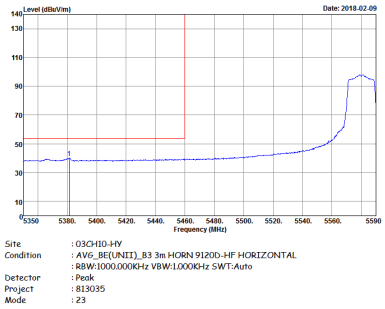
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

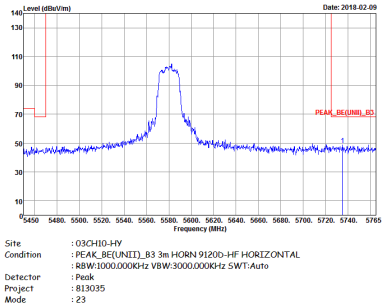
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

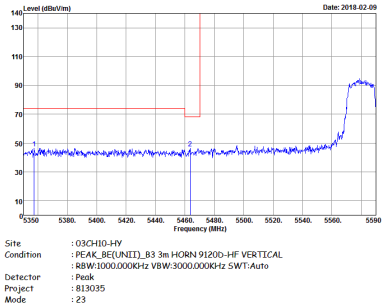
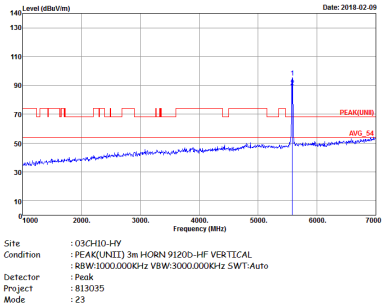
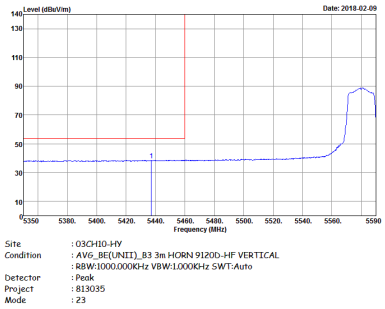
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

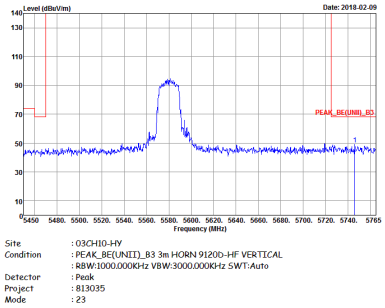
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

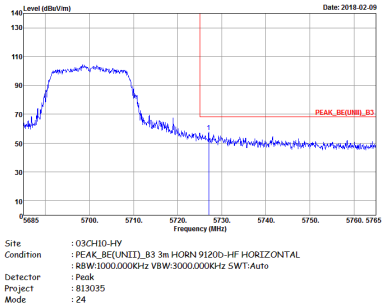
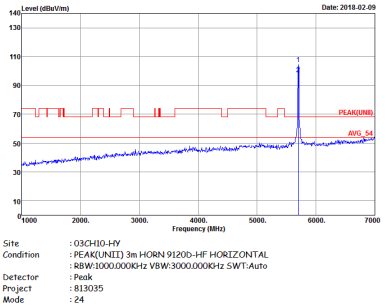
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

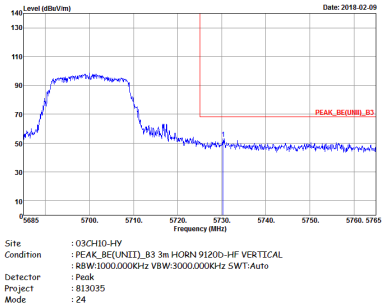
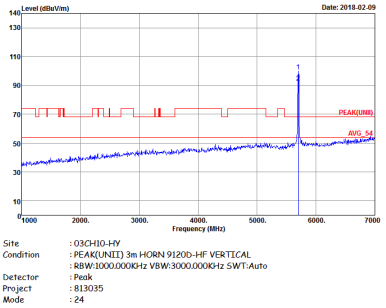
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

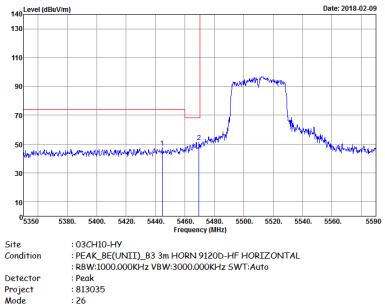
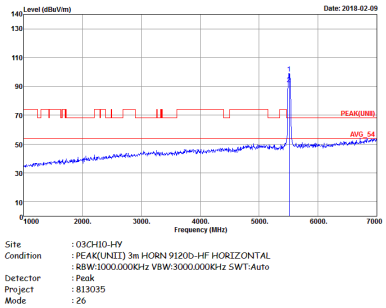
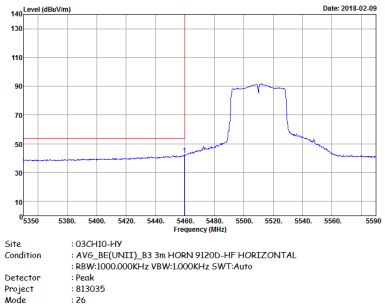
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

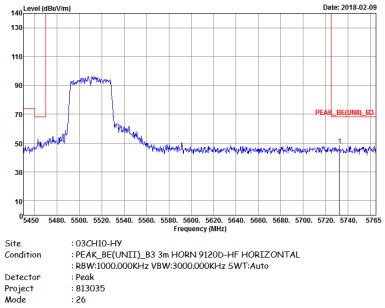
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

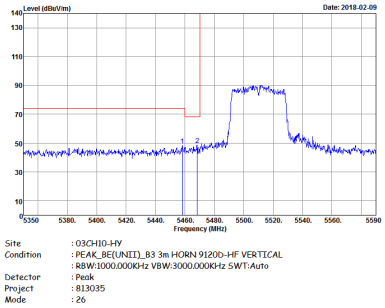
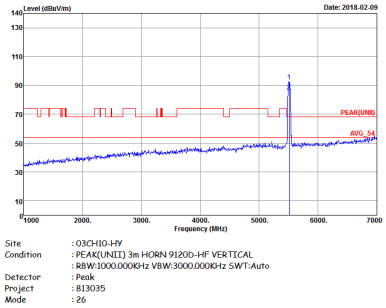
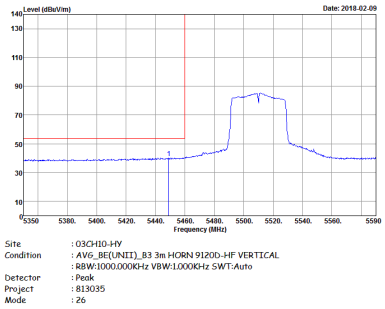
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

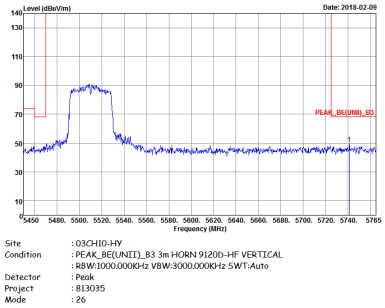
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

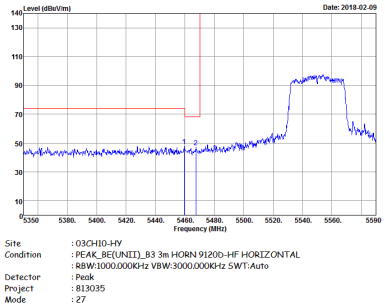
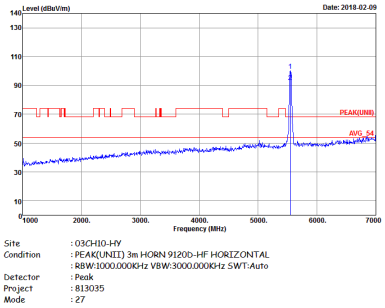
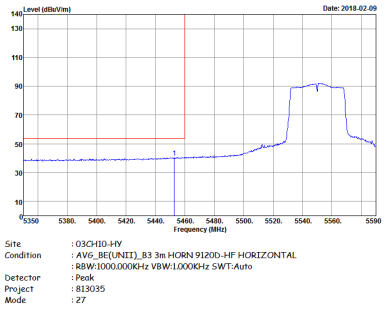
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

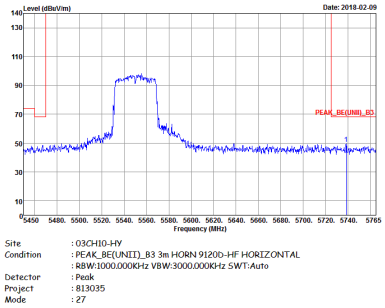
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

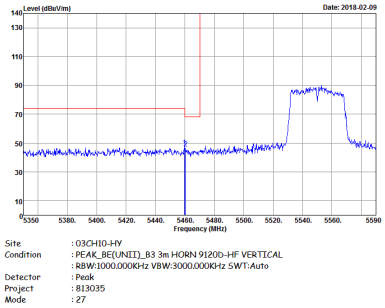
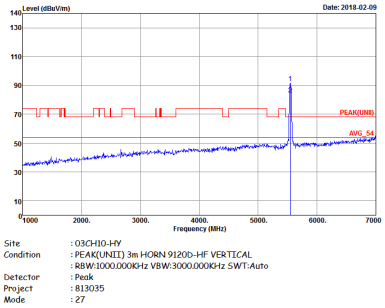
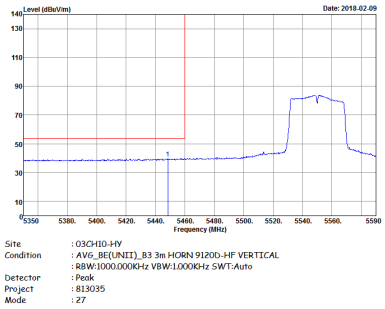
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

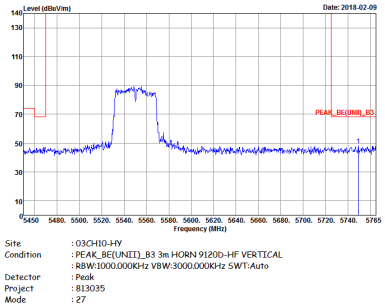
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

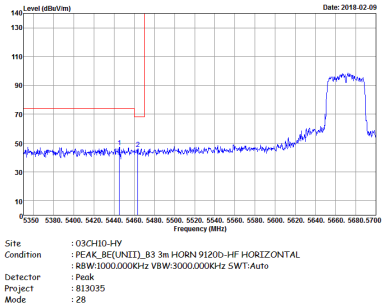
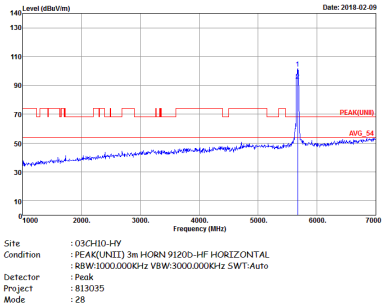
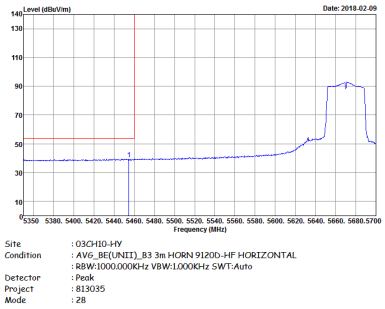
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

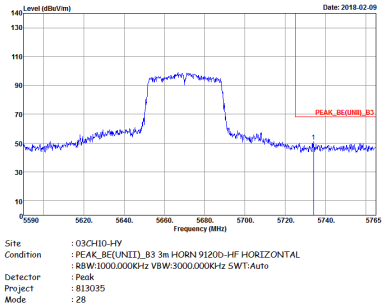
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

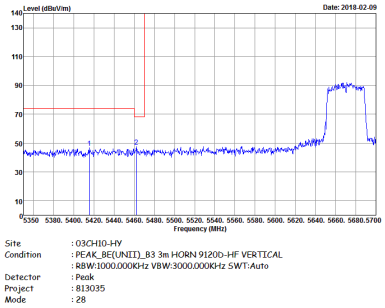
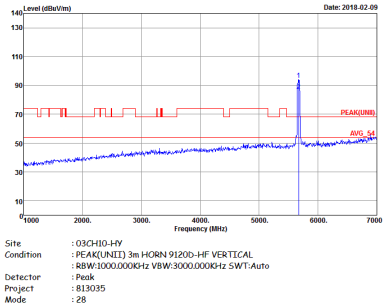
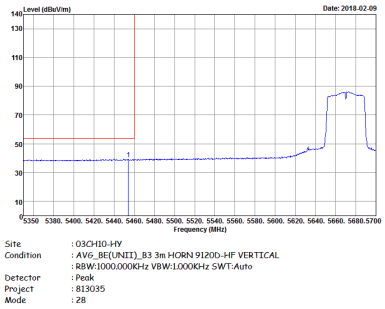
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

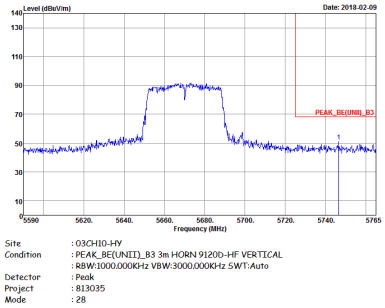
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

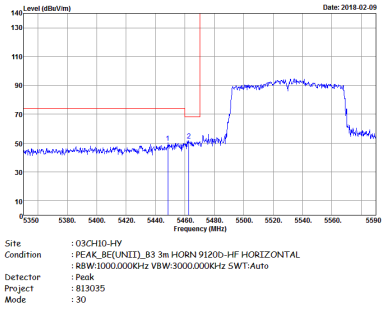
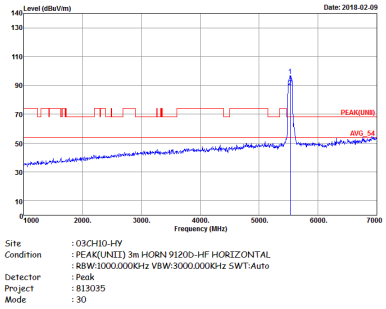
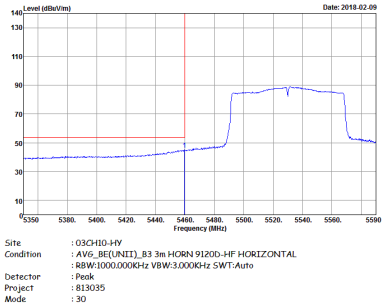
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

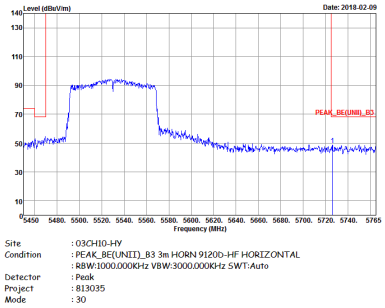
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

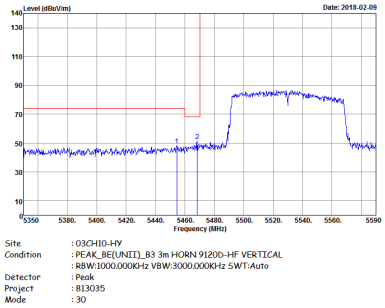
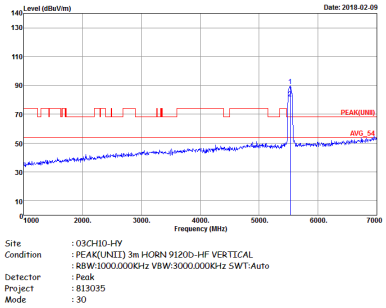
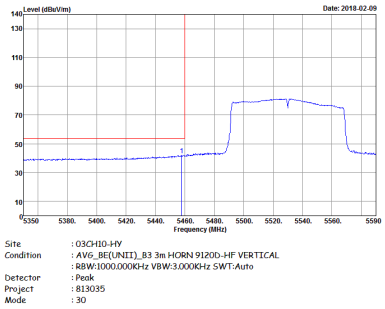
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

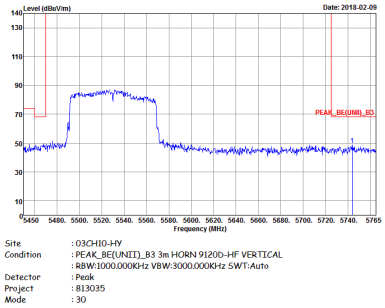
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

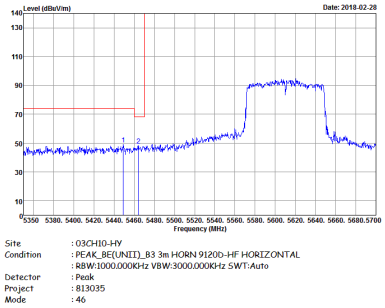
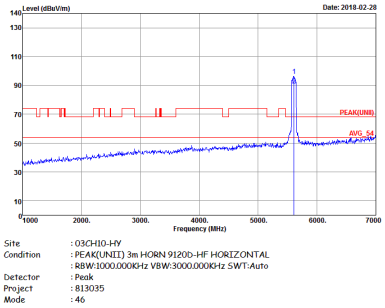
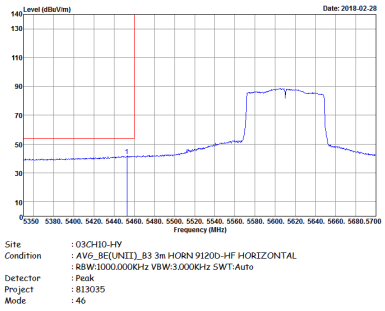
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

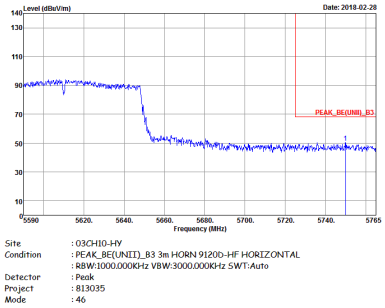
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

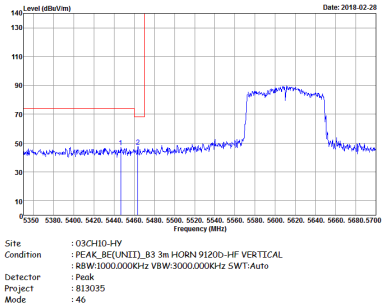
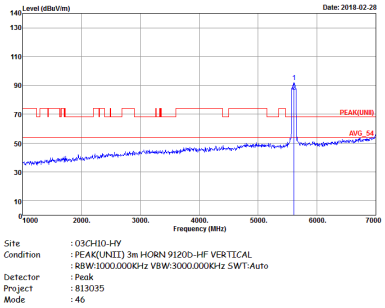
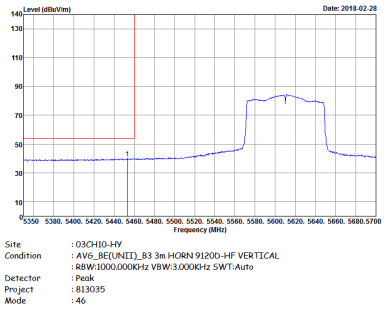
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

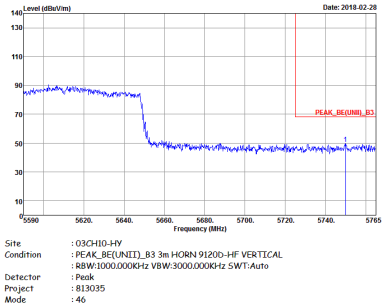
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

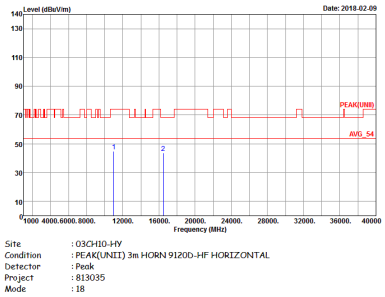
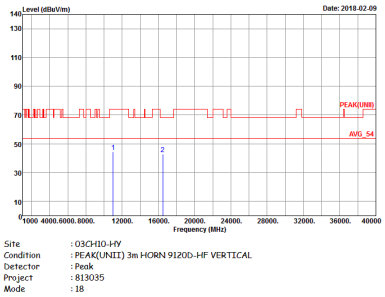
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 813035 Mode : 46	Left blank

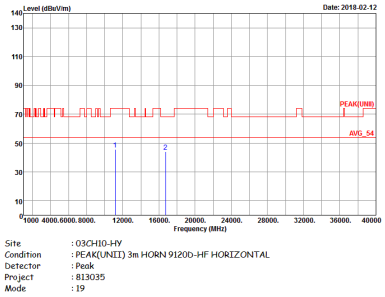
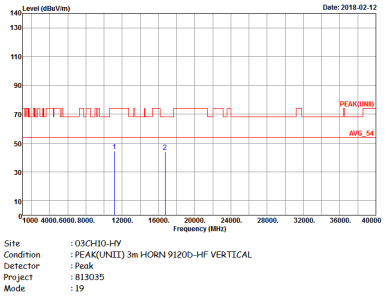
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

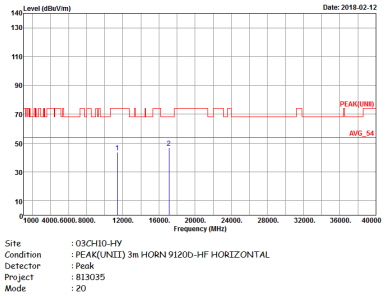
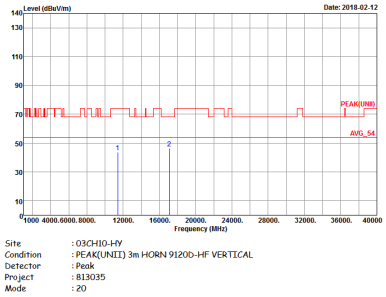
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HV Condition : PEAK_BE(UNII)_B3 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 813035 Mode : 46	Left blank

Band 3 - 5470~5725MHz

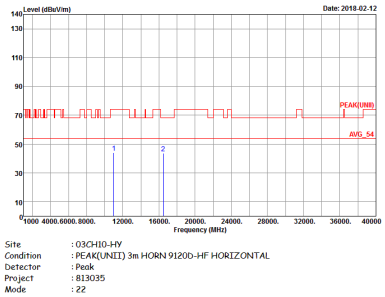
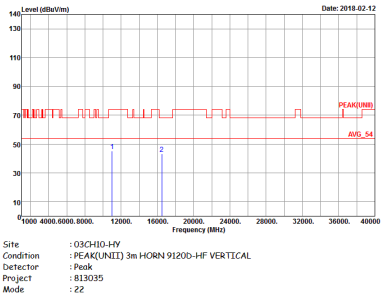
WIFI 802.11a (Harmonic @ 3m)

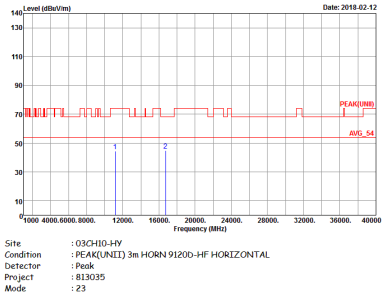
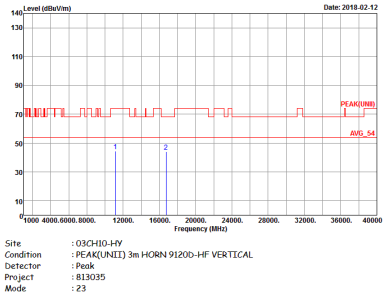
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

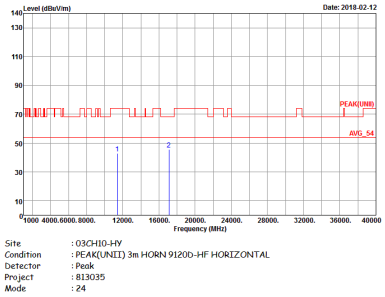
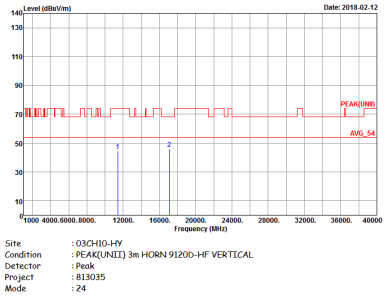
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

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

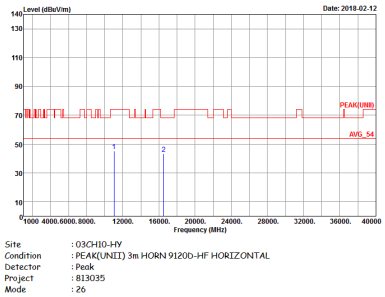
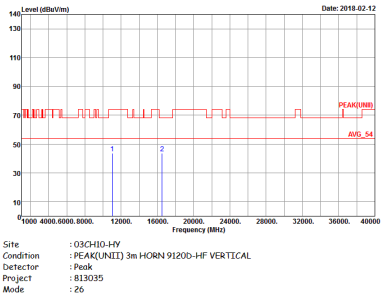
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

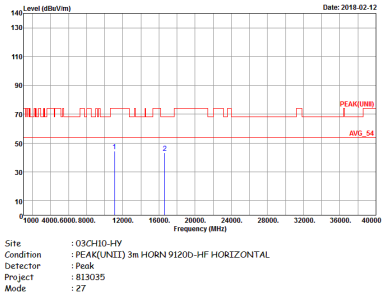
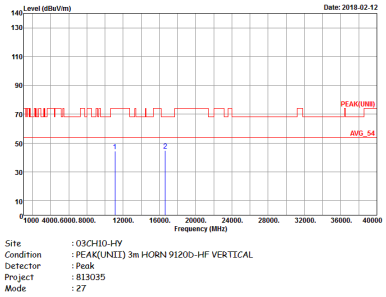
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

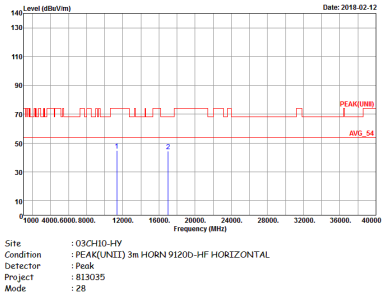
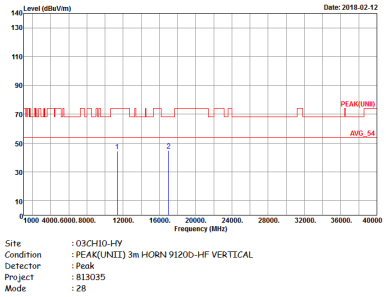
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

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

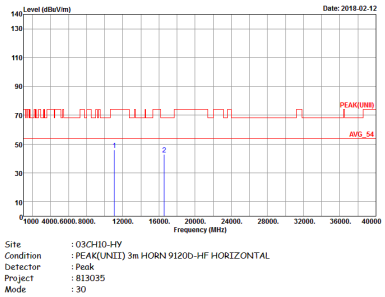
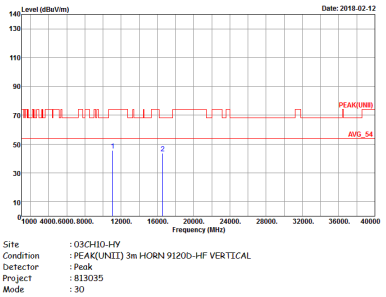
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

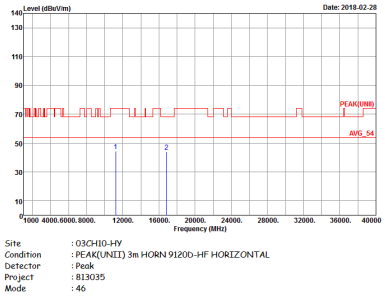
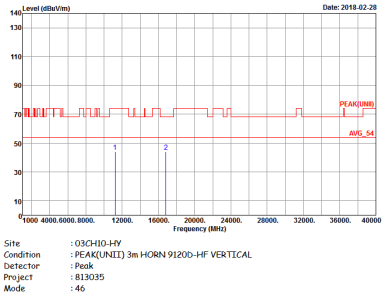
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

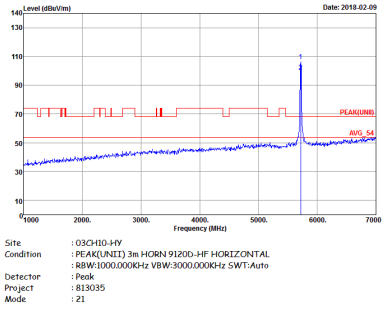
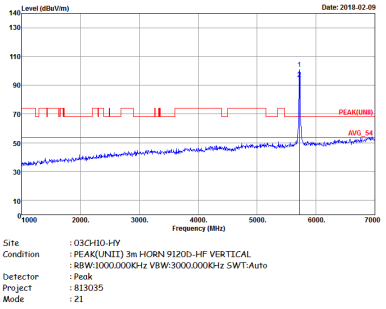
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.		

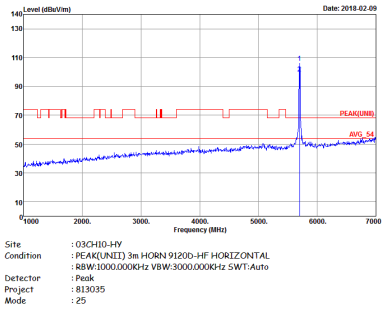
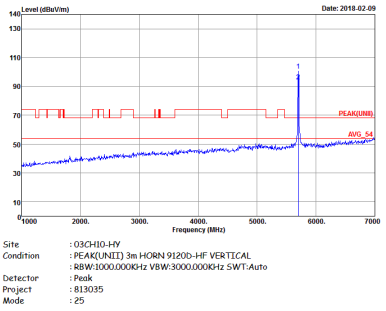
Band 3 - Straddle Channel

WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

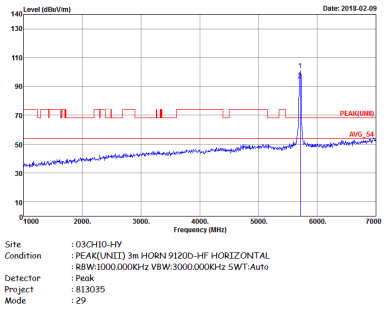
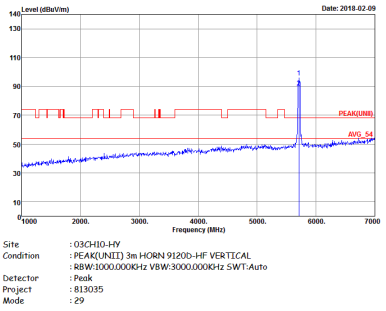
Band 3 – Straddle Channel

WIFI 802.11n HT20 (Fundamental @ 3m)

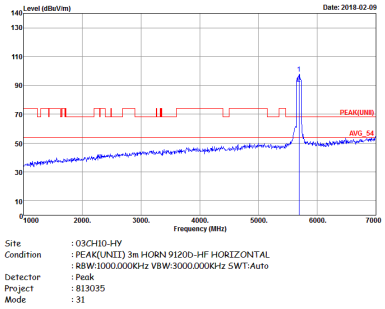
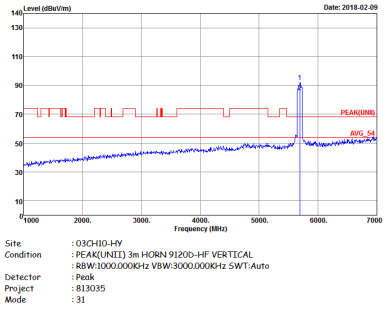
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 – Straddle Channel

WIFI 802.11n HT40 (Fundamental @ 3m)

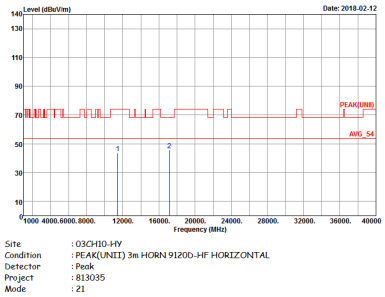
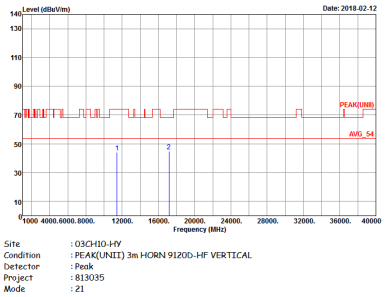
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.		

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

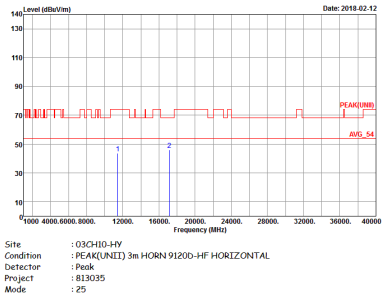
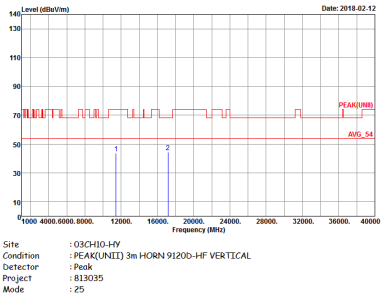
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 - Straddle Channel

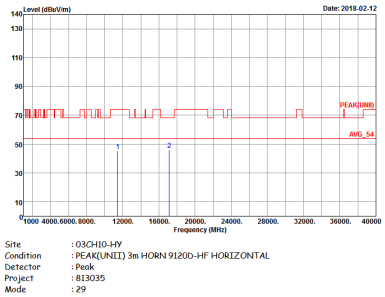
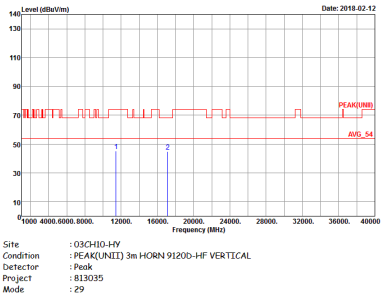
WIFI 802.11a (Harmonic @ 3m)

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

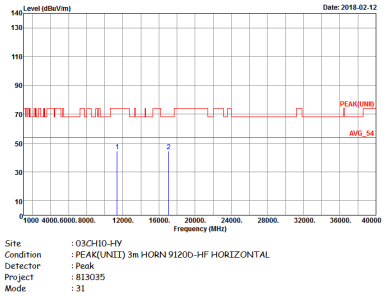
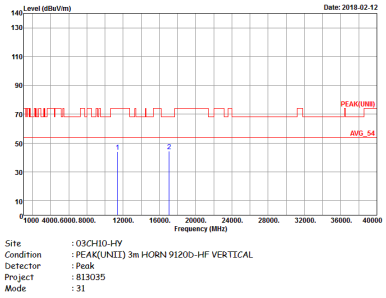
Band 3 – Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

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

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

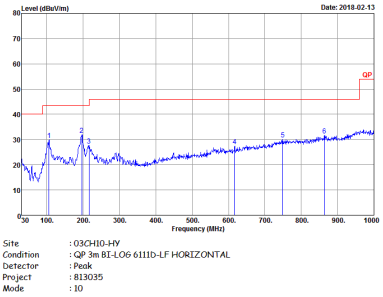
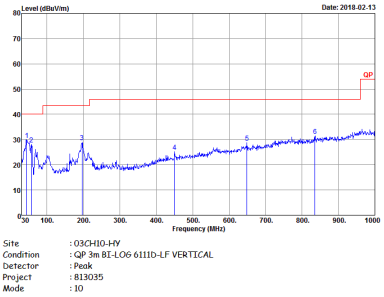
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.		

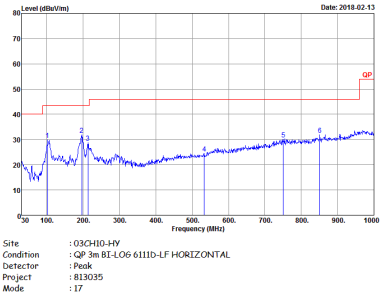
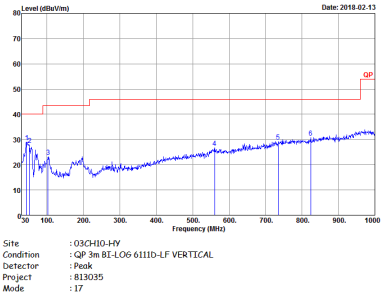
Band 1 - Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

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

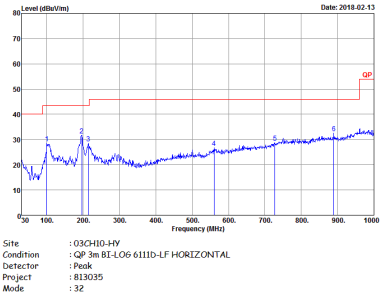
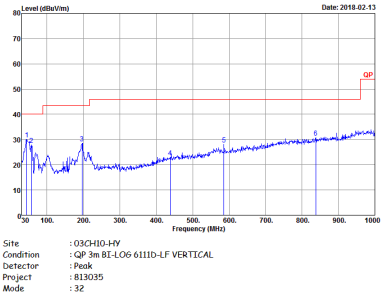
Band 2 - Emission below 1GHz

5GHz WIFI 802.11n HT20 (LF)

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

Band 3 - Emission below 1GHz

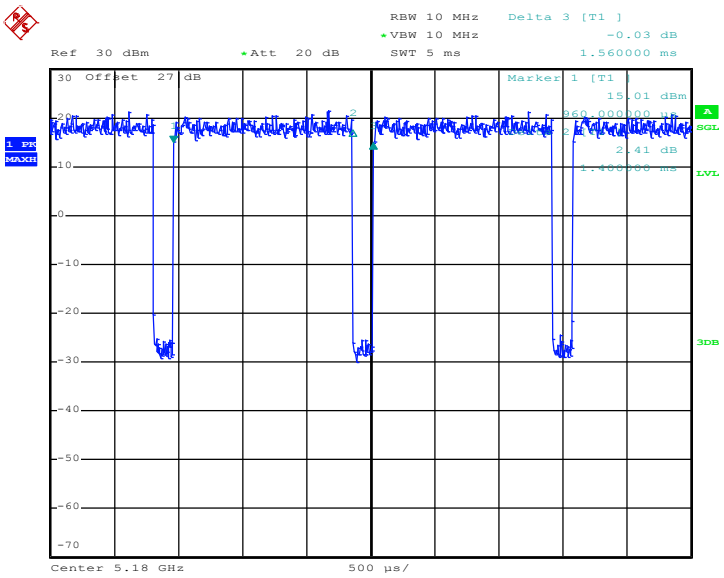
5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

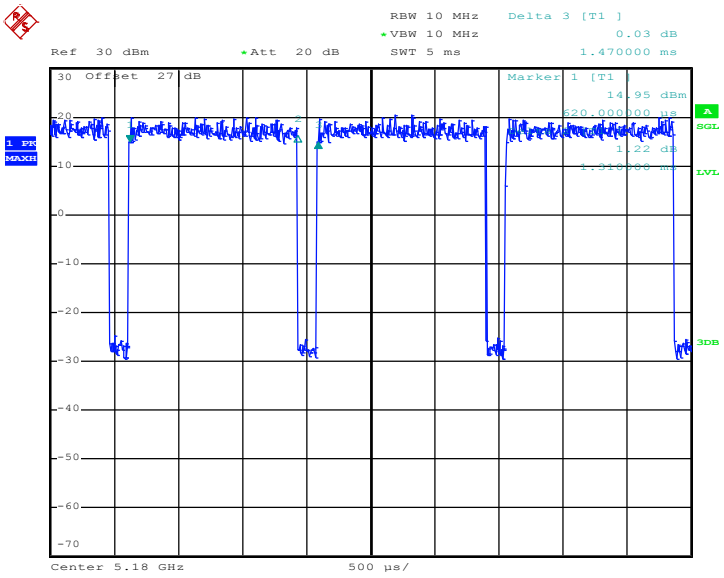
Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	89.74	1400	0.71	1kHz	0.47
5GHz 802.11n HT20	89.12	1310	0.76	1kHz	0.50
5GHz 802.11n HT40	89.12	1310	0.76	1kHz	0.50
5GHz 802.11n VHT20	89.19	1320	0.76	1kHz	0.50
5GHz 802.11n VHT40	90.29	948	1.05	3kHz	0.44
5GHz 802.11n VHT80	85.71	648	1.54	3kHz	0.67

802.11a



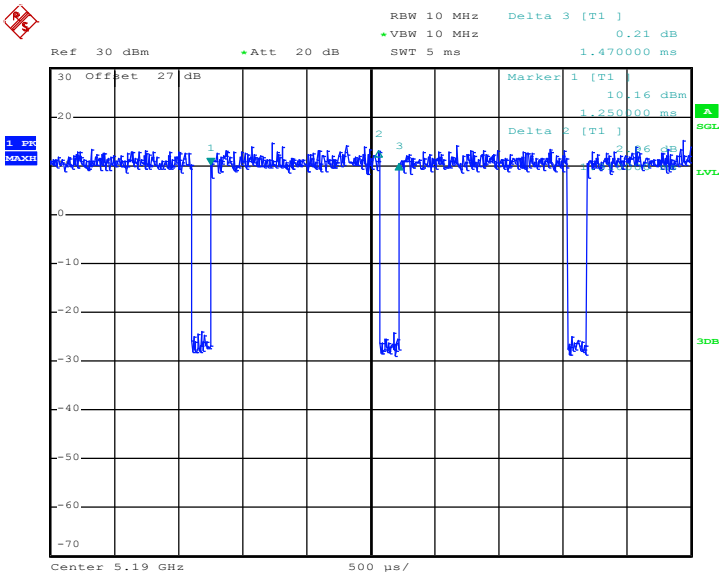
Date: 7.FEB.2018 16:21:10

802.11n HT20



Date: 7.FEB.2018 16:53:40

802.11n HT40



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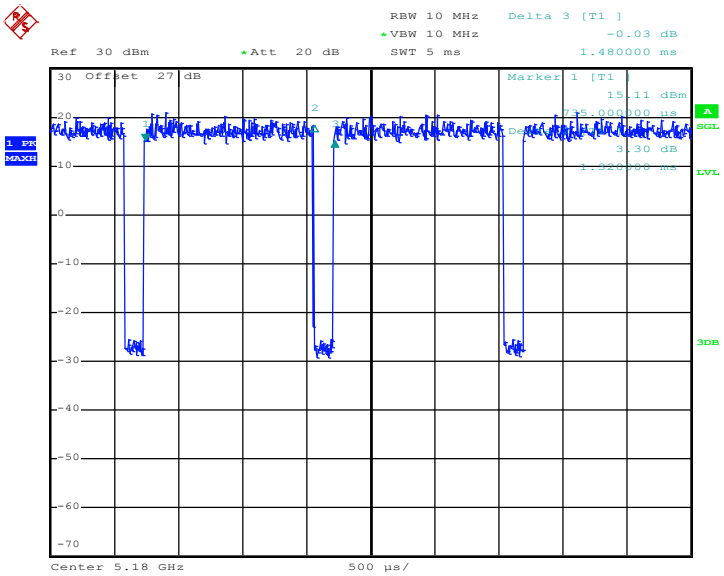
802.11ac VHT20



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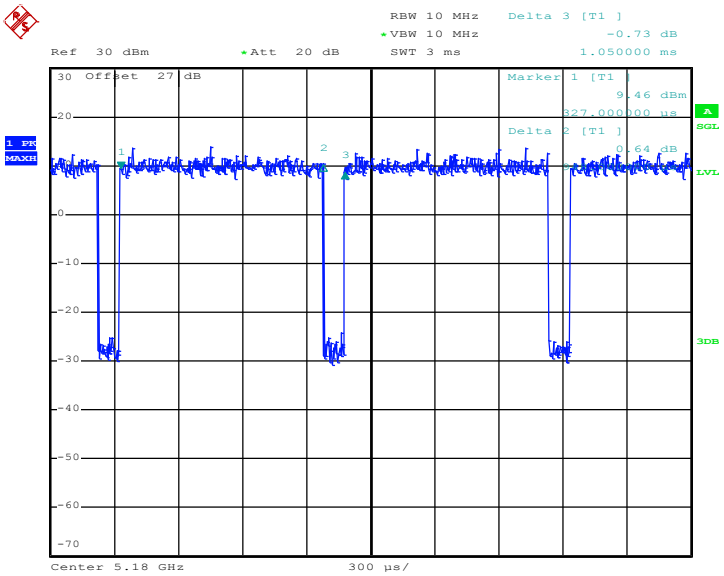
802.11ac VHT40



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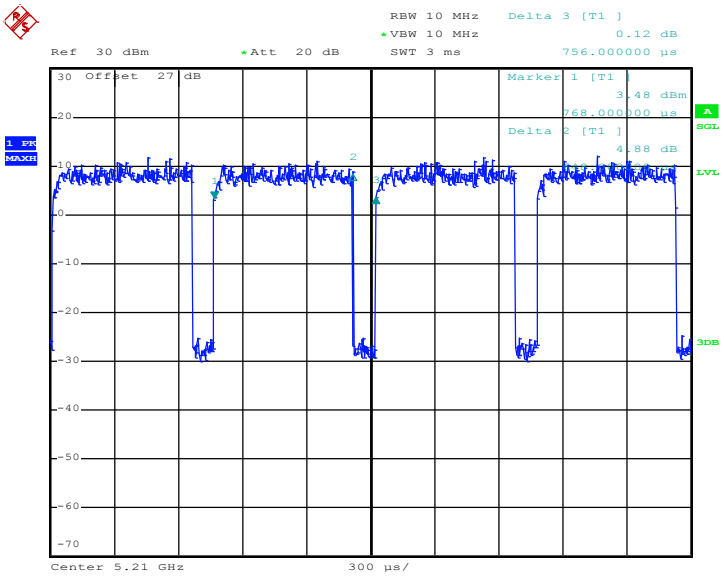
802.11ac VHT80



Date: 7.FEB.2018 17:57:59